

Appendix A

Notice of Preparation

DATE: July 31, 2017

TO: Interested Persons

FROM: Scott Johnson, Associate Planner
Community Development Department

RE: **NOTICE OF PREPARATION OF AN ENVIRONMENTAL IMPACT
REPORT FOR THE SACRAMENTO CONVENTION CENTER
RENOVATION AND EXPANSION AND THE 15TH/K STREET HOTEL
PROJECTS**

COMMENT PERIOD

August 2, 2017 to September 1, 2017

INTRODUCTION

The City of Sacramento (City) is the Lead Agency for preparation of an environmental impact report (EIR) for two distinct projects: the proposed Sacramento Convention Center Renovation and Expansion project and the 15th/K Street Hotel project (proposed projects). The EIR to be prepared by the City will evaluate potential significant environmental effects and other actions and transactions associated with the proposed projects. Written comments regarding the issues that should be covered in the EIR, including potential alternatives to the proposed projects and the scope of the analysis, are invited.

The EIR for the proposed projects is being prepared in compliance with CEQA. The City, as Lead Agency, is issuing this Notice of Preparation (NOP) to inform trustee and responsible agencies, as well as the public, of its decision to prepare an EIR. The purpose of the NOP is to provide information describing the proposed projects and their potential environmental effects to those who may wish to comment regarding the scope and content of the information to be included in the EIR. Agencies should comment on such information as it relates to their statutory responsibilities in connection with the projects.

The EIR will provide an evaluation of potential environmental impacts associated with implementation of the proposed projects. The location of, and the environmental issue areas that may be affected by, development of the proposed projects are set forth below. The EIR will evaluate the potentially significant environmental impacts of the proposed projects, on both a direct and cumulative basis, identify mitigation measures that may be feasible to lessen or avoid such impacts, and identify alternatives to the proposed projects.

SUBMITTING COMMENTS

Comments and suggestions as to the appropriate scope of analysis in the EIR are invited from all interested parties. Written comments or questions concerning the EIR for the proposed projects should be directed to the environmental project manager at the following address by 5:00 pm on September 1, 2017 (note: the public counter hours are from 9:00 am to 4:00 pm). Please include the contact person's full name and address in order for staff to respond appropriately:

Scott Johnson, Associate Planner
City of Sacramento Community Development Department
300 Richards Blvd., Third Floor
Sacramento, CA 95811
Telephone: (916) 808-5842
E-mail: srjohnson@cityofsacramento.org

PROJECTS' LOCATIONS/SETTING

The project sites are located in Sacramento, California, approximately 80 miles east of San Francisco and 85 miles west of Lake Tahoe. Sacramento is a major transportation hub, the point of intersection of transportation routes that connect Sacramento to the San Francisco Bay area to the west, the Sierra Nevada mountains and Nevada to the east, Los Angeles to the south, and Oregon and the Pacific Northwest to the north. The City is bisected by a number of major freeways including Interstate 5 (I-5) that traverses the state from north to south; Interstate 80 (I-80), which provides an east-west connection between San Francisco and Reno; and U.S. Highway 50 which provides an east-west connection between Sacramento and South Lake Tahoe. The Union Pacific (UP) Railroad and BNSF Railway also transect Sacramento. Daily Amtrak service is provided from the Sacramento Valley Station approximately 0.6-mile east of the project sites, and links Sacramento to the Bay Area, the Central Valley south to Bakersfield, Amtrak regional bus connections throughout northern California, and points east. **Figure 1** shows the location of the project sites in the Sacramento region.

The Sacramento Convention Center (SCC) project site is within the Sacramento Convention Center Complex, which is comprised of the Sacramento Convention Center, Community Center Theater, and Memorial Auditorium. The Sacramento Convention Center is generally bounded by J Street to the north, 15th Street to the east, 13th Street to the west, and K Street and the Community Center Theater to the south (see **Figures 2 and 3**).

The 15th/K Street Hotel (Hotel) project site is bound by K Street to the north, 15th Street to the east, Kayak Alley to the south, and an existing office building to the west. The Hotel project site is currently a surface parking lot accessible from K Street and Kayak Alley.

PROJECT DESCRIPTIONS

The SCC project would include demolition of approximately 105,200 square feet (sf) of existing convention center space in the western side of the Convention Center and approximately 11,500 sf of existing commercial office space in the Panattoni Building along 15th Street. The project would construct 73,500 sf of new exhibit space, 14,500 sf of new meeting rooms, a new 40,000 sf ballroom, a new East Lobby, an outdoor amphitheater, two new loading docks, and upgraded lobbies, kitchen facilities, loading areas, outdoor terrace, administrative offices, central utility plant, and related support areas. The SCC project would add 64,490 net sf while improving the operational efficiency of the facility.

The 15th/K Street Hotel project would involve the construction of a 24-story, approximately 300-foot-tall hotel on a quarter-block parcel between K Street and Kayak Alley, and 15th Street and an existing office building at 1414 K Street. The proposed hotel would consist of 350 hotel rooms; approximately 130,000 sf of hotel supportive amenities such as lobbies, registration areas, and restrooms; 6,000 sf of restaurant use; 70,000 sf of meeting space; an outdoor pool area on an upper level; and a pedestrian bridge that would span K Street, connecting above-ground level floors of both the hotel and the proposed SCC lobby.

ENVIRONMENTAL EFFECTS AND SCOPE OF THE EIR

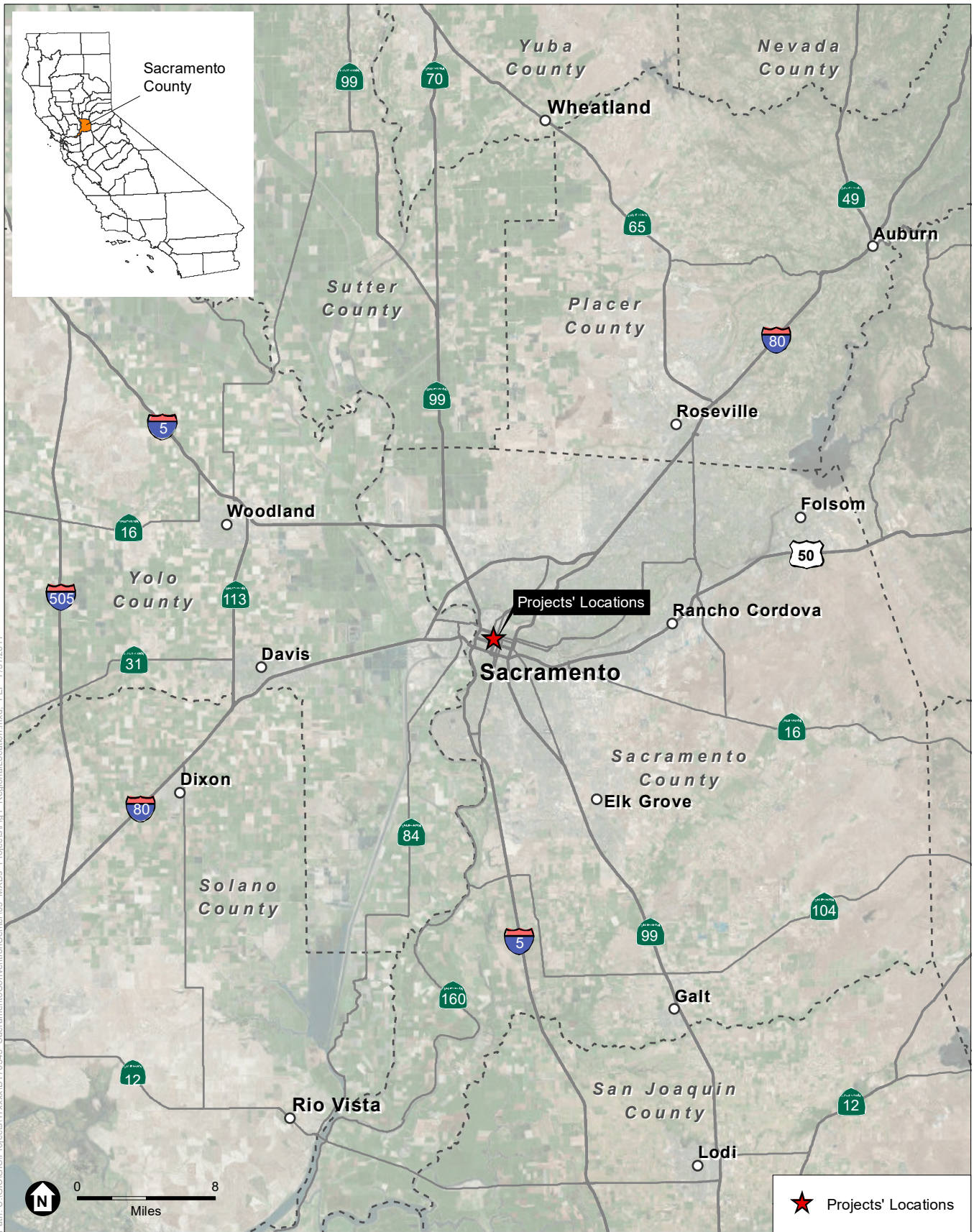
The EIR will analyze potentially significant impacts that result from demolition, construction, and operations of the proposed Sacramento Convention Center Renovation and Expansion and 15th/K Street Hotel projects including, but not limited to:

- Aesthetics, Light and Glare
- Air Quality
- Biological Resources
- Cultural Resources
- Energy Demand and Conservation
- Global Climate Change and Greenhouse Gas Emissions
- Hydrology and Water Quality
- Land Use and Planning
- Noise and Vibration
- Transportation and Circulation
- Utilities and Service Systems

The proposed projects are not anticipated to have a potentially significant impact on the environment for the following topical areas:

- Geology and Soils
- Hazards and Hazardous Materials
- Population and Housing
- Public Services
- Recreation

The EIR will identify and evaluate a reasonable range of potentially feasible alternatives to the proposed projects.



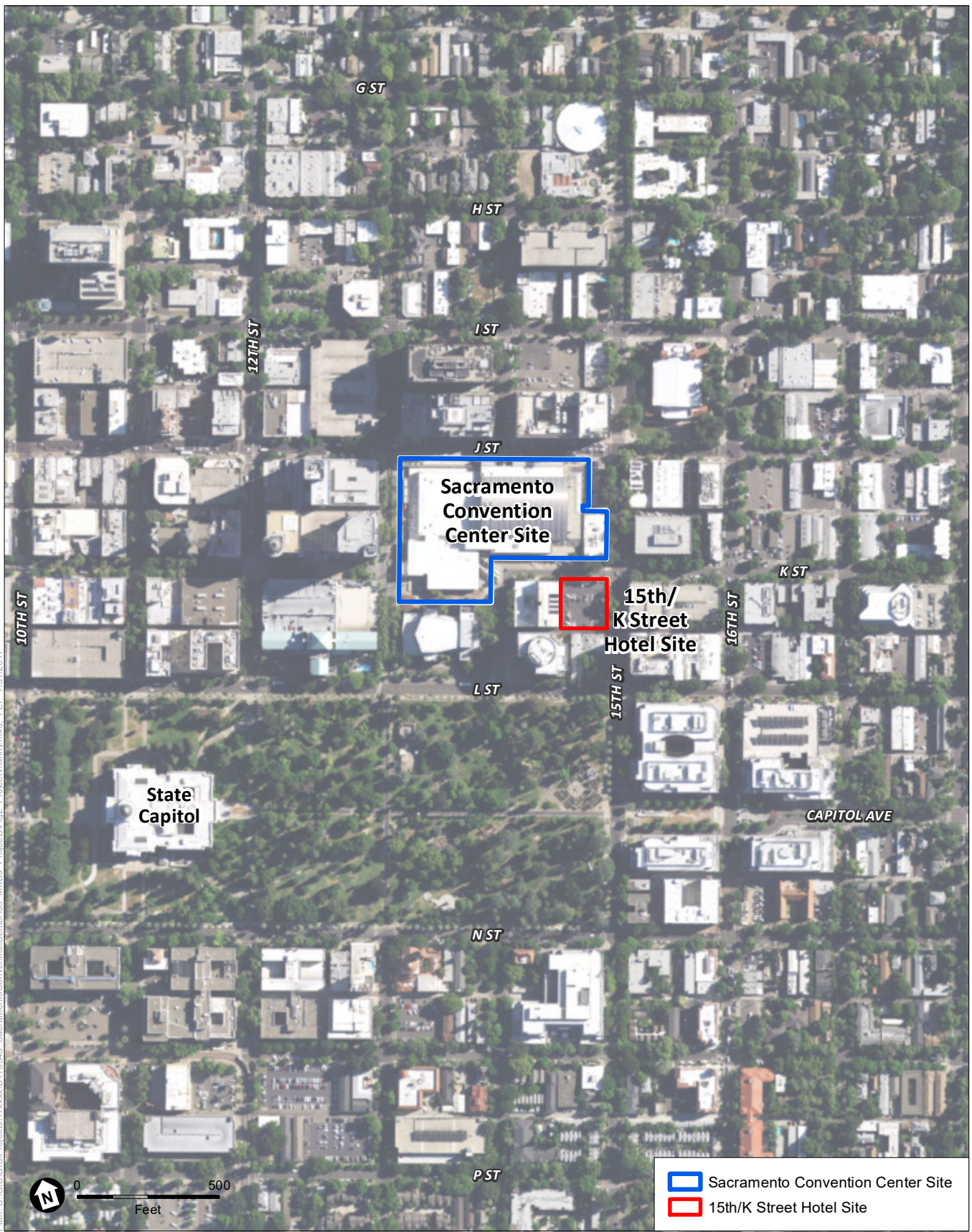
Path: U:\GIS\Projects\17xxxx\170345 SacramentoConventionCenter\03 MXDs - Projects\Fig1_RegionalLocation.mxd, FEP 7/31/2017

SOURCE: Esri, 2015; ESA, 2017

Sacramento Convention Center Renovation and Expansion and 15th/K Street Hotel EIR

Figure 1
Regional Location





SOURCE: Esri, 2015; ESA, 2017

Sacramento Convention Center Renovation and Expansion and 15th/K Street Hotel EIR

Figure 2
Vicinity of Proposed Projects





SOURCE: Populous, 2017

Sacramento Convention Center Renovation and Expansion and 15th/K Street Hotel EIR

Figure 3
Project Sites

Appendix B

NOP Scoping Comment Letters

Sacramento Convention Center Renovation and Expansion and 15th/K Street Hotel Projects – NOP Comment Letters

<u>Agency/Person</u>	<u>Date</u>
1. Governor's Office of Planning and Research (OPR)	August 2, 2017
2. Regional San	August 8, 2017
3. Native American Heritage Commission (NAHC)	August 23, 2017
4. Central Valley Regional Water Quality Control Board (CVRWQCB)	August 24, 2017
5. California Applicants' Attorneys Association	August 30, 2017
6. California Department of Transportation (Caltrans)	August 31, 2017
7. Sacramento Area Council of Governments (SACOG)	August 31, 2017
8. Sacramento Municipal Utility District (SMUD)	August 31, 2017



Edmund G. Brown Jr.
Governor

STATE OF CALIFORNIA
Governor's Office of Planning and Research
State Clearinghouse and Planning Unit



Ken Alex
Director

Notice of Preparation

August 2, 2017

To: Reviewing Agencies

Re: Sacramento Convention Center Renovation and Expansion and the 15th/K Street Hotel Projects EIR
SCH# 2017082008

Attached for your review and comment is the Notice of Preparation (NOP) for the Sacramento Convention Center Renovation and Expansion and the 15th/K Street Hotel Projects EIR draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Scott Johnson
City of Sacramento
300 Richards Boulevard, 3rd Floor
Sacramento, CA 95811

with a copy to the State Clearinghouse in the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

Scott Morgan
Director, State Clearinghouse

Attachments
cc: Lead Agency

**Document Details Report
State Clearinghouse Data Base**

SCH# 2017082008
Project Title Sacramento Convention Center Renovation and Expansion and the 15th/K Street Hotel Projects EIR
Lead Agency Sacramento, City of

Type NOP Notice of Preparation
Description The EIR will consider two distinct projects. The proposed Sacramento Convention Center Renovation and Expansion project (SCC Project) will add exhibit space, meeting rooms, new lobbies, an outdoor amphitheater, and back-of-house uses to expand and renovate the existing Convention Center, allowing for more operational efficiency and increased number of events and attendance. The 15th/K Street Hotel project (Hotel Project) will construct a 350-room, 24-story hotel adjacent to the Convention Center.

Lead Agency Contact

Name Scott Johnson
Agency City of Sacramento
Phone (916) 808-5842 **Fax**
email
Address 300 Richards Boulevard, 3rd Floor
City Sacramento **State** CA **Zip** 95811

Project Location

County Sacramento
City Sacramento
Region
Cross Streets SCC:13th St. W., 15th St. E., J St. N., K St. S.; Hotel:SW corner of K and 15th Streets
Lat / Long 38° 34' 42" N / 121° 29' 20" W
Parcel No. 006-0115-017,006-0115-018,019,021;006-0115-016-0001,0002,0003,004;006-0116-005,004,003
Township **Range** **Section** **Base**

Proximity to:

Highways I-5, Hwy 50, Bus 80
Airports
Railways UPRR, BNSF
Waterways Sacramento River, American River
Schools Multiple
Land Use SCC Project Site: General Plan - Public/Quasi-Public (P/QP), Zoned - C-3-SPD Hotel Project Site: General Plan - Central Business District, Zoned - C-3-SPD

Project Issues Aesthetic/Visual; Air Quality; Archaeologic-Historic; Biological Resources; Economics/Jobs; Noise; Public Services; Sewer Capacity; Solid Waste; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Growth Inducing; Landuse; Cumulative Effects

Reviewing Agencies Resources Agency; Department of Conservation; Central Valley Flood Protection Board; Office of Historic Preservation; Department of Parks and Recreation; Department of Water Resources; Department of Fish and Wildlife, Region 2; Office of Emergency Services, California; Delta Protection Commission; Delta Stewardship Council; Native American Heritage Commission; Public Utilities Commission; State Lands Commission; California Highway Patrol; Caltrans, District 3 S; Resources, Recycling and Recovery; State Water Resources Control Board, Division of Drinking Water; Regional Water Quality Control Bd., Region 5 (Sacramento)

Date Received 08/02/2017 **Start of Review** 08/02/2017 **End of Review** 08/31/2017

NOP Distribution List

County: SACRAMENTO *OK*

SCH# **2017082008**

Resources Agency

- Resources Agency
Nadell Gayou
- Dept. of Boating & Waterways
Denise Peterson
- California Coastal Commission
Elizabeth A. Fuchs
- Colorado River Board
Lisa Johansen
- Dept. of Conservation
Crina Chan
- Cal Fire
Dan Foster
- Central Valley Flood Protection Board
James Herota
- Office of Historic Preservation
Ron Parsons
- Dept of Parks & Recreation
Environmental Stewardship Section
- S.F. Bay Conservation & Dev't. Comm.
Steve Goldbeck
- Dept. of Water Resources
Resources Agency
Nadell Gayou

Fish and Game

- Depart. of Fish & Wildlife
Scott Flint
Environmental Services Division
- Fish & Wildlife Region 1
Curt Babcock
- Fish & Wildlife Region 1E
Laurie Harnsberger
- Fish & Wildlife Region 2
Jeff Drongesen
- Fish & Wildlife Region 3
Craig Weightman

- Fish & Wildlife Region 4
Julie Vance
- Fish & Wildlife Region 5
Leslie Newton-Reed
Habitat Conservation Program
- Fish & Wildlife Region 6
Tiffany Ellis
Habitat Conservation Program
- Fish & Wildlife Region 6 I/M
Heidi Calvert
Inyo/Mono, Habitat Conservation Program
- Dept. of Fish & Wildlife M
William Paznokas
Marine Region

Other Departments

- California Department of Education
Lesley Taylor
- OES (Office of Emergency Services)
Monique Wilber
- Food & Agriculture
Sandra Schubert
Dept. of Food and Agriculture
- Dept. of General Services
Cathy Buck
Environmental Services Section
- Housing & Comm. Dev.
CEQA Coordinator
Housing Policy Division

Independent Commissions, Boards

- Delta Protection Commission
Erik Vink
- Delta Stewardship Council
Kevan Samsam
- California Energy Commission
Eric Knight

Cal State Transportation Agency CalSTA

- Caltrans - Division of Aeronautics
Philip Crimmins
- Caltrans - Planning
HQ LD-IGR
Christian Bushong
- California Highway Patrol
Suzann Ikeuchi
Office of Special Projects

Dept. of Transportation

- Caltrans, District 1
Rex Jackman
- Caltrans, District 2
Marcelino Gonzalez
- Caltrans, District 3
Eric Federicks - South
Susan Zanchi - North
- Caltrans, District 4
Patricia Maurice
- Caltrans, District 5
Larry Newland
- Caltrans, District 6
Michael Navarro
- Caltrans, District 7
Dianna Watson
- Caltrans, District 8
Mark Roberts

- Native American Heritage Comm.
Debbie Treadway
- Public Utilities Commission
Supervisor
- Santa Monica Bay Restoration
Guangyu Wang
- State Lands Commission
Jennifer Deleong
- Tahoe Regional Planning Agency (TRPA)
Cherry Jacques

Cal EPA

Air Resources Board

- Airport & Freight
Jack Wursten
- Transportation Projects
Nesamani Kalandiyur
- Industrial/Energy Projects
Mike Tollstrup
- California Department of Resources, Recycling & Recovery
Sue O'Leary

- State Water Resources Control Board
Regional Programs Unit
Division of Financial Assistance

- State Water Resources Control Board
Cindy Forbes - Asst Deputy
Division of Drinking Water

- State Water Resources Control Board
Div. Drinking Water # _____

- State Water Resources Control Board
Student Intern, 401 Water Quality Certification Unit
Division of Water Quality

- State Water Resouces Control Board
Phil Crader
Division of Water Rights

- Dept. of Toxic Substances Control
CEQA Tracking Center

- Department of Pesticide Regulation
CEQA Coordinator

Regional Water Quality Control Board (RWQCB)

- RWQCB 1
Cathleen Hudson
North Coast Region (1)
- RWQCB 2
Environmental Document Coordinator
San Francisco Bay Region (2)
- RWQCB 3
Central Coast Region (3)
- RWQCB 4
Teresa Rodgers
Los Angeles Region (4)
- RWQCB 5S
Central Valley Region (5)
- RWQCB 5F
Central Valley Region (5)
Fresno Branch Office
- RWQCB 5R
Central Valley Region (5)
Redding Branch Office
- RWQCB 6
Lahontan Region (6)
- RWQCB 6V
Lahontan Region (6)
Victorville Branch Office
- RWQCB 7
Colorado River Basin Region (7)
- RWQCB 8
Santa Ana Region (8)
- RWQCB 9
San Diego Region (9)
- Other _____

- _____
Conservancy



August 8, 2017

Mr. Scott Johnson
 City of Sacramento – Community Development Department
 300 Richards Boulevard, 3rd Floor
 Sacramento CA 95811

Subject: Notice of Preparation of an Environmental Impact Report for the Sacramento Convention Center Renovation and Expansion and the 15th Street and K Street Hotel Projects

Dear Mr. Johnson,

Sacramento Regional County Sanitation District (Regional San) has reviewed the subject Environmental Impact Report and has the following comments.

Regional San is not a land-use authority. Projects identified within Regional San planning documents are based on growth projections provided by land-use authorities. Sewer studies will need to be completed to assess the impacts of any project that has the potential to increase wastewater flow demands. Onsite and offsite impacts associated with constructing sanitary sewer facilities to provide service to the project should be included within this environmental impact report.

Customers receiving service from Regional San are responsible for rates and fees outlined within the latest Regional San Ordinances. Fees for connecting to the sewer system are set up to recover the capital investment of sewer treatment facilities that serves new customers. The Regional San ordinance is located on the Regional San website at: <http://www.regionalsan.com/ordinances-agreements>.

Local sanitary sewer service for the proposed project site will be provided by the City of Sacramento's local sewer collection system. Ultimate conveyance to the Sacramento Regional Wastewater Treatment Plant (SRWTP) for treatment and disposal will be provided via Sump 2/2A and the Regional San City Interceptor system. Cumulative impacts of the proposed project will need to be quantified by the project proponents to ensure that both wet and dry weather capacity limitations within Sump 2/2A and the City Interceptor system are not exceeded.

On March 13, 2013, Regional San approved the Wastewater Operating Agreement between the Sacramento Regional San County Sanitation District and the City of Sacramento. The following flow limitations are outlined within this agreement:

<i>Service Area</i>	<i>Flow Rate (MGD)</i>
<i>Combined Flows from Sump 2 and Sump 2A</i>	<i>60</i>
<i>Combined flows from Sumps 2, 2A, 21, 55, and 119</i>	<i>98</i>
<i>Total to City Interceptor of combined flows from Sumps 2, 2A, 21, 55, 119, and five trunk connections</i>	<i>108.5</i>

Any proposed groundwater remediation work anticipated to occur as part of the project and proposed to be discharged into Regional San facilities will require the necessary discharging permit from Regional San. Permitting will be handled through Regional San's Wastewater Source Control Section (WSCS). The City must abide by the Regional San Ordinance as well as the requirements contained in a wastewater discharge permit.

Main Office

10060 Goethe Road
 Sacramento, CA 95827-3553
 Tel: 916.876.6000
 Fax: 916.876.6160

Treatment Plant

8521 Laguna Station Road
 Elk Grove, CA 95758-9550
 Tel: 916.875.9000
 Fax: 916.875.9068

Board of Directors

Representing:

- County of Sacramento
- County of Yolo
- City of Citrus Heights
- City of Elk Grove
- City of Folsom
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David O'Toole
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Joseph Maestretti
Chief Financial Officer

Claudia Goss
Public Affairs Manager

www.regionalsan.com

Mr. Scott Johnson
August 8, 2017
Page 2

The SRWTP provides secondary treatment using an activated sludge process. Incoming wastewater flows through mechanical bar screens through a primary sedimentation process. This allows most of the heavy organic solids to settle to the bottom of the tanks. These solids are later delivered to the digesters. Next, oxygen is added to the wastewater to grow naturally occurring microscopic organisms, which consume the organic particles in the wastewater. These organisms eventually settle on the bottom of the secondary clarifiers. Clean water pours off the top of these clarifiers and is chlorinated, removing any pathogens or other harmful organisms that may still exist. Chlorine disinfection occurs while the wastewater travels through a two mile "outfall" pipeline to the Sacramento River, near the town of Freeport, California. Before entering the river, sulfur dioxide is added to neutralize the chlorine. The design of the SRWTP and collection system was balanced to have SRWTP facilities accommodate some of the wet weather flows while minimizing idle SRWTP facilities during dry weather. The SRWTP was designed to accommodate some wet weather flows while the storage basins and interceptors were designed to accommodate the remaining wet weather flows.

A NPDES Discharge Permit was issued to Regional San by the Central Valley Regional Water Quality Control Board (Water Board) in December 2010. In adopting the new Discharge Permit, the Water Board required Regional San to meet significantly more restrictive treatment levels over its current levels. Regional San believed that many of these new conditions go beyond what is reasonable and necessary to protect the environment, and appealed the permit decision to the State Water Resources Control Board (State Board). In December 2012, the State Board issued an Order that effectively upheld the Permit. As a result, Regional San filed litigation in California Superior Court. Regional San and the Water Board agreed to a partial settlement in October 2013 to address several issues and a final settlement on the remaining issues were heard by the Water Board in August 2014. Regional San began the necessary activities, studies and projects to meet the permit conditions. The new treatment facilities to achieve the permit and settlement requirements must be completed by May 2021 for ammonia and nitrate and May 2023 for the pathogen requirements.

Regional San currently owns and operates a 5-mgd Water Reclamation (WRF) that has been producing Title 22 tertiary recycled since 2003. The WRF is located within the SRWTP property in Elk Grove. A portion of the recycled water is used by Regional San at the SRWTP and the rest is wholesaled to the Sacramento County Water Agency (SCWA). SCWA retails the recycled water, primarily for landscape irrigation use, to select customers in the City of Elk Grove. It should be noted that Regional San currently does not have any planned facilities that could provide recycled water to the proposed project or its vicinity. Additionally, Regional San is not a water purveyor and any potential use of recycled water in the project area must be coordinated between the key stakeholders, e.g. land use jurisdictions, water purveyors, users, and the recycled water producers.

If you have any questions regarding this letter, please feel free to contact me at (916) 876-6104 or by email: armstrongro@sacsewer.com.

Sincerely,

Robb Armstrong

Regional San Development Services & Plan Check

cc: SASD Development Services

NATIVE AMERICAN HERITAGE COMMISSION

1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691
Phone (916) 373-3710
Fax (916) 373-5471
Email: nahc@nahc.ca.gov
Website: <http://www.nahc.ca.gov>
Twitter: @CA_NAHC



August 23, 2017

Scott Johnson
City of Sacramento
300 Richards Blvd. 3rd Floor
Sacramento, CA 95811

Sent Via Email: srjohnson@cityofsacramento.org

RE: SCH# 2017082008, Sacramento Convention Center Renovation and Expansion and 15th and K Hotel Projects, Sacramento County

Dear Mr. Johnson:

The Native American Heritage Commission has received the Notice of Preparation (NOP) for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code § 21000 et seq.), specifically Public Resources Code section 21084.1, states that a project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, § 15064.5 (b) (CEQA Guidelines Section 15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an environmental impact report (EIR) shall be prepared. (Pub. Resources Code § 21080 (d); Cal. Code Regs., tit. 14, § 15064 subd.(a)(1) (CEQA Guidelines § 15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources with the area of project effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code § 21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code § 21084.3 (a)). **AB 52 applies to any project for which a notice of preparation or a notice of negative declaration or mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements.** If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. § 800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments. **Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.**

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:
 - a. A brief description of the project.
 - b. The lead agency contact information.
 - c. Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code § 21080.3.1 (d)).
 - d. A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code § 21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code § 21080.3.1, subs. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or environmental impact report. (Pub. Resources Code § 21080.3.1(b)).
 - a. For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code § 65352.4 (SB 18). (Pub. Resources Code § 21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:
 - a. Alternatives to the project.
 - b. Recommended mitigation measures.
 - c. Significant effects. (Pub. Resources Code § 21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:
 - a. Type of environmental review necessary.
 - b. Significance of the tribal cultural resources.
 - c. Significance of the project's impacts on tribal cultural resources.
 - d. If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code § 21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code sections 6254 (r) and 6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code § 21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:
 - a. Whether the proposed project has a significant impact on an identified tribal cultural resource.
 - b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code section 21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code § 21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:
 - a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

- b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code § 21080.3.2 (b)).
8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code section 21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code section 21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code § 21082.3 (a)).
 9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code section 21084.3 (b). (Pub. Resources Code § 21082.3 (e)).
 10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:
 - a. Avoidance and preservation of the resources in place, including, but not limited to:
 - i. Planning and construction to avoid the resources and protect the cultural and natural context.
 - ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
 - b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
 - i. Protecting the cultural character and integrity of the resource.
 - ii. Protecting the traditional use of the resource.
 - iii. Protecting the confidentiality of the resource.
 - c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
 - d. Protecting the resource. (Pub. Resource Code § 21084.3 (b)).
 - e. Please note that a federally recognized California Native American tribe or a nonfederally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code § 815.3 (c)).
 - f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code § 5097.991).
 11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An environmental impact report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
 - a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code sections 21080.3.1 and 21080.3.2 and concluded pursuant to Public Resources Code section 21080.3.2.
 - b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
 - c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code section 21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code § 21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of

open space. (Gov. Code § 65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf

Some of SB 18's provisions include:

1. **Tribal Consultation:** If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code § 65352.3 (a)(2)).
2. **No Statutory Time Limit on SB 18 Tribal Consultation.** There is no statutory time limit on SB 18 tribal consultation.
3. **Confidentiality:** Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code section 65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code sections 5097.9 and 5097.993 that are within the city's or county's jurisdiction. (Gov. Code § 65352.3 (b)).
4. **Conclusion of SB 18 Tribal Consultation:** Consultation should be concluded at the point in which:
 - a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
 - b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: <http://nahc.ca.gov/resources/forms/>

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
 - a. If part or all of the APE has been previously surveyed for cultural resources.
 - b. If any known cultural resources have been already been recorded on or adjacent to the APE.
 - c. If the probability is low, moderate, or high that cultural resources are located in the APE.
 - d. If a survey is required to determine whether previously unrecorded cultural resources are present.
2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
 - a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
 - b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.
3. Contact the NAHC for:

- a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
 - b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.
4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
 - a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, section 15064.5(f) (CEQA Guidelines section 15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
 - b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
 - c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code section 7050.5, Public Resources Code section 5097.98, and Cal. Code Regs., tit. 14, section 15064.5, subdivisions (d) and (e) (CEQA Guidelines section 15064.5, subs. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions, please contact me at my email address: sharaya.souza@nahc.ca.gov.

Sincerely,



Sharaya Souza
Staff Services Analyst
cc: State Clearinghouse



Central Valley Regional Water Quality Control Board

24 August 2017

Scott Johnson
City of Sacramento
300 Richards Boulevard, 3rd Floor
Sacramento, CA 95811

CERTIFIED MAIL
91 7199 9991 7035 8421 1861

COMMENTS TO REQUEST FOR REVIEW FOR THE NOTICE OF PREPARATION FOR THE DRAFT ENVIRONMENTAL IMPACT REPORT, SACRAMENTO CONVENTION CENTER RENOVATION AND EXPANSION AND THE 15TH/K STREET HOTEL PROJECT, SCH# 2017082008, SACRAMENTO COUNTY

Pursuant to the State Clearinghouse's 2 August 2017 request, the Central Valley Regional Water Quality Control Board (Central Valley Water Board) has reviewed the *Request for Review for the Notice of Preparation for the Draft Environment Impact Report* for the Sacramento Convention Center Renovation and Expansion and the 15th/K Street Hotel Project, located in Sacramento County.

Our agency is delegated with the responsibility of protecting the quality of surface and groundwaters of the state; therefore our comments will address concerns surrounding those issues.

I. Regulatory Setting

Basin Plan

The Central Valley Water Board is required to formulate and adopt Basin Plans for all areas within the Central Valley region under Section 13240 of the Porter-Cologne Water Quality Control Act. Each Basin Plan must contain water quality objectives to ensure the reasonable protection of beneficial uses, as well as a program of implementation for achieving water quality objectives with the Basin Plans. Federal regulations require each state to adopt water quality standards to protect the public health or welfare, enhance the quality of water and serve the purposes of the Clean Water Act. In California, the beneficial uses, water quality objectives, and the Antidegradation Policy are the State's water quality standards. Water quality standards are also contained in the National Toxics Rule, 40 CFR Section 131.36, and the California Toxics Rule, 40 CFR Section 131.38.

The Basin Plan is subject to modification as necessary, considering applicable laws, policies, technologies, water quality conditions and priorities. The original Basin Plans were adopted in 1975, and have been updated and revised periodically as required, using Basin Plan amendments. Once the Central Valley Water Board has adopted a Basin Plan

amendment in noticed public hearings, it must be approved by the State Water Resources Control Board (State Water Board), Office of Administrative Law (OAL) and in some cases, the United States Environmental Protection Agency (USEPA). Basin Plan amendments only become effective after they have been approved by the OAL and in some cases, the USEPA. Every three (3) years, a review of the Basin Plan is completed that assesses the appropriateness of existing standards and evaluates and prioritizes Basin Planning issues.

For more information on the *Water Quality Control Plan for the Sacramento and San Joaquin River Basins*, please visit our website:
http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/.

Antidegradation Considerations

All wastewater discharges must comply with the Antidegradation Policy (State Water Board Resolution 68-16) and the Antidegradation Implementation Policy contained in the Basin Plan. The Antidegradation Policy is available on page IV-15.01 at:
http://www.waterboards.ca.gov/centralvalleywater_issues/basin_plans/sacsjr.pdf

In part it states:

Any discharge of waste to high quality waters must apply best practicable treatment or control not only to prevent a condition of pollution or nuisance from occurring, but also to maintain the highest water quality possible consistent with the maximum benefit to the people of the State.

This information must be presented as an analysis of the impacts and potential impacts of the discharge on water quality, as measured by background concentrations and applicable water quality objectives.

The antidegradation analysis is a mandatory element in the National Pollutant Discharge Elimination System and land discharge Waste Discharge Requirements (WDRs) permitting processes. The environmental review document should evaluate potential impacts to both surface and groundwater quality.

II. Permitting Requirements

Construction Storm Water General Permit

Dischargers whose project disturb one or more acres of soil or where projects disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres, are required to obtain coverage under the General Permit for Storm Water Discharges Associated with Construction Activities (Construction General Permit), Construction General Permit Order No. 2009-009-DWQ. Construction activity subject to this permit includes clearing, grading, grubbing, disturbances to the ground, such as stockpiling, or excavation, but does not include regular maintenance activities performed to

restore the original line, grade, or capacity of the facility. The Construction General Permit requires the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP).

For more information on the Construction General Permit, visit the State Water Resources Control Board website at:

http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml.

Phase I and II Municipal Separate Storm Sewer System (MS4) Permits¹

The Phase I and II MS4 permits require the Permittees reduce pollutants and runoff flows from new development and redevelopment using Best Management Practices (BMPs) to the maximum extent practicable (MEP). MS4 Permittees have their own development standards, also known as Low Impact Development (LID)/post-construction standards that include a hydromodification component. The MS4 permits also require specific design concepts for LID/post-construction BMPs in the early stages of a project during the entitlement and CEQA process and the development plan review process.

For more information on which Phase I MS4 Permit this project applies to, visit the Central Valley Water Board website at:

http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/municipal_permits/.

For more information on the Caltrans Phase I MS4 Permit, visit the State Water Resources Control Board at:

http://www.waterboards.ca.gov/water_issues/programs/stormwater/caltrans.shtml.

For more information on the Phase II MS4 permit and who it applies to, visit the State Water Resources Control Board at:

http://www.waterboards.ca.gov/water_issues/programs/stormwater/phase_ii_municipal.shtml

Industrial Storm Water General Permit

Storm water discharges associated with industrial sites must comply with the regulations contained in the Industrial Storm Water General Permit Order No. 2014-0057-DWQ.

For more information on the Industrial Storm Water General Permit, visit the Central Valley Water Board website at:

http://www.waterboards.ca.gov/centralvalley/water_issues/storm_water/industrial_general_permits/index.shtml.

¹ Municipal Permits = The Phase I Municipal Separate Storm Water System (MS4) Permit covers medium sized Municipalities (serving between 100,000 and 250,000 people) and large sized municipalities (serving over 250,000 people). The Phase II MS4 provides coverage for small municipalities, including non-traditional Small MS4s, which include military bases, public campuses, prisons and hospitals.

Clean Water Act Section 404 Permit

If the project will involve the discharge of dredged or fill material in navigable waters or wetlands, a permit pursuant to Section 404 of the Clean Water Act may be needed from the United States Army Corps of Engineers (USACOE). If a Section 404 permit is required by the USACOE, the Central Valley Water Board will review the permit application to ensure that discharge will not violate water quality standards. If the project requires surface water drainage realignment, the applicant is advised to contact the Department of Fish and Game for information on Streambed Alteration Permit requirements.

If you have any questions regarding the Clean Water Act Section 404 permits, please contact the Regulatory Division of the Sacramento District of USACOE at (916) 557-5250.

Clean Water Act Section 401 Permit – Water Quality Certification

If an USACOE permit (e.g., Non-Reporting Nationwide Permit, Nationwide Permit, Letter of Permission, Individual Permit, Regional General Permit, Programmatic General Permit), or any other federal permit (e.g., Section 10 of the Rivers and Harbors Act or Section 9 from the United States Coast Guard), is required for this project due to the disturbance (i.e., discharge of dredge or fill material) of waters of the United States (such as streams and wetlands), then a Water Quality Certification must be obtained from the Central Valley Water Board prior to initiation of project activities. There are no waivers for 401 Water Quality Certifications.

Waste Discharge Requirements (WDRs)

Discharges to Waters of the State

If USACOE determines that only non-jurisdictional waters of the State (i.e., “non-federal” waters of the State) are present in the proposed project area, the proposed project may require a Waste Discharge Requirement (WDR) permit to be issued by Central Valley Water Board. Under the California Porter-Cologne Water Quality Control Act, discharges to all waters of the State, including all wetlands and other waters of the State including, but not limited to, isolated wetlands, are subject to State regulation.

Land Disposal of Dredge Material

If the project will involve dredging, Water Quality Certification for the dredging activity and Waste Discharge Requirements for the land disposal may be needed.

Local Agency Oversight

Pursuant to the State Water Board’s Onsite Wastewater Treatment Systems Policy (OWTS Policy), the regulation of septic tank and leach field systems may be regulated under the local agency’s management program in lieu of WDRs. A county environmental health department may permit septic tank and leach field systems designed for less than 10,000 gpd. For more information on septic system regulations, visit the Central Valley Water Board’s website at:

http://www.waterboards.ca.gov/centralvalley/water_issues/owts/sb_owts_policy.pdf

For more information on the Water Quality Certification and WDR processes, visit the Central Valley Water Board website at:
http://www.waterboards.ca.gov/centralvalley/help/business_help/permit2.shtml.

Dewatering Permit

If the proposed project includes construction or groundwater dewatering to be discharged to land, the proponent may apply for coverage under State Water Board General Water Quality Order (Low Risk General Order) 2003-0003 or the Central Valley Water Board's Waiver of Report of Waste Discharge and Waste Discharge Requirements (Low Risk Waiver) R5-2013-0145. Small temporary construction dewatering projects are projects that discharge groundwater to land from excavation activities or dewatering of underground utility vaults. Dischargers seeking coverage under the General Order or Waiver must file a Notice of Intent with the Central Valley Water Board prior to beginning discharge.

For more information regarding the Low Risk General Order and the application process, visit the Central Valley Water Board website at:

http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo2003-0003.pdf

For more information regarding the Low Risk Waiver and the application process, visit the Central Valley Water Board website at:

http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/waivers/r5-2013-0145_res.pdf

Regulatory Compliance for Commercially Irrigated Agriculture

If the property will be used for commercial irrigated agricultural, the discharger will be required to obtain regulatory coverage under the Irrigated Lands Regulatory Program. There are two options to comply:

1. **Obtain Coverage Under a Coalition Group.** Join the local Coalition Group that supports land owners with the implementation of the Irrigated Lands Regulatory Program. The Coalition Group conducts water quality monitoring and reporting to the Central Valley Water Board on behalf of its growers. The Coalition Groups charge an annual membership fee, which varies by Coalition Group. To find the Coalition Group in your area, visit the Central Valley Water Board's website at: http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/app_approval/index.shtml; or contact water board staff at (916) 464-4611 or via email at IrrLands@waterboards.ca.gov.
2. **Obtain Coverage Under the General Waste Discharge Requirements for Individual Growers, General Order R5-2013-0100.** Dischargers not participating in a third-party group (Coalition) are regulated individually. Depending on the specific site conditions, growers may be required to monitor runoff from their property, install monitoring wells, and submit a notice of intent, farm plan, and other

action plans regarding their actions to comply with their General Order. Yearly costs would include State administrative fees (for example, annual fees for farm sizes from 10-100 acres are currently \$1,084 + \$6.70/Acre); the cost to prepare annual monitoring reports; and water quality monitoring costs. To enroll as an Individual Discharger under the Irrigated Lands Regulatory Program, call the Central Valley Water Board phone line at (916) 464-4611 or e-mail board staff at IrrLands@waterboards.ca.gov.

Low or Limited Threat General NPDES Permit

If the proposed project includes construction dewatering and it is necessary to discharge the groundwater to waters of the United States, the proposed project will require coverage under a National Pollutant Discharge Elimination System (NPDES) permit. Dewatering discharges are typically considered a low or limited threat to water quality and may be covered under the General Order for *Dewatering and Other Low Threat Discharges to Surface Waters* (Low Threat General Order) or the General Order for *Limited Threat Discharges of Treated/Untreated Groundwater from Cleanup Sites, Wastewater from Superchlorination Projects, and Other Limited Threat Wastewaters to Surface Water* (Limited Threat General Order). A complete application must be submitted to the Central Valley Water Board to obtain coverage under these General NPDES permits.

For more information regarding the Low Threat General Order and the application process, visit the Central Valley Water Board website at:

http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2013-0074.pdf

For more information regarding the Limited Threat General Order and the application process, visit the Central Valley Water Board website at:

http://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/general_orders/r5-2013-0073.pdf

NPDES Permit

If the proposed project discharges waste that could affect the quality of the waters of the State, other than into a community sewer system, the proposed project will require coverage under a National Pollutant Discharge Elimination System (NPDES) permit. A complete Report of Waste Discharge must be submitted with the Central Valley Water Board to obtain a NPDES Permit.

For more information regarding the NPDES Permit and the application process, visit the Central Valley Water Board website at:

http://www.waterboards.ca.gov/centralvalley/help/business_help/permit3.shtml

24 August 2017

If you have questions regarding these comments, please contact me at (916) 464-4644 or
Stephanie.Tadlock@waterboards.ca.gov.



for Stephanie Tadlock
Environmental Scientist

cc: State Clearinghouse unit, Governor's Office of Planning and Research, Sacramento

From: [Andrea Robertson](#)
To: [Scott Johnson](#)
Cc: arobertson@caaa.org; karen@caaa.org
Subject: Public Comments_EIR for the Sacramento Convention Center Reno & Expansion
Date: Wednesday, August 30, 2017 2:04:05 PM
Attachments: [image016.png](#)
[image017.png](#)
[image018.png](#)
[image019.png](#)
[image020.png](#)

To: Scott Johnson, Associate Planner, City of Sacramento

From: California Applicants' Attorneys Association, tenants @ 1303 J Street, Suite 420

Re: Public Comments_EIR for the Sacramento Convention Center Reno & Expansion

Dear Mr. Johnson:

Most of our questions involve logistics and potential day to day work impacts and assumes that the project will move forward. The scope of our questions may not be within your purview. If some are not, please let us know to whom we should forward our questions.

Thank you

1. When will project begin
2. Construction schedule - days & hours of week
3. Duration of project (demo to completion)
4. How will ACE parking structure at J & 13th be affected?
5. What are the possible health hazards as a result of demo and construction – dust & debris, noise
6. What road closures or lane reductions will be necessary, sidewalk access (on J btw 13th – 15th & 13th btw J & K)

Andrea Robertson
Director of Membership Services
California Applicants' Attorneys Association
P: (916) 444-5155 / F: (916) 444-0661



Connect with us!



DEPARTMENT OF TRANSPORTATION

DISTRICT 3 – SACRAMENTO AREA OFFICE
2379 GATEWAY OAKS DRIVE, STE 150 – MS 19
SACRAMENTO, CA 95833
PHONE (916) 274-0638
FAX (916) 263-1796
TTY 711



*Making Conservation
a California Way of Life.*

August 31, 2017

03-SAC-2017-00169
03-SAC-5-23.687
SCH# 2017082008

Mr. Scott Johnson
City of Sacramento
300 Richards Blvd, 3rd Floor
Sacramento, CA 95811

**Sacramento Convention Center Renovation and Expansion and the 15th/K Street Hotel Project
– Notice of Preparation for a draft Environmental Impact Report (NOP)**

Dear Mr. Johnson:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the project referenced above. Caltrans' new mission, vision, and goals signal a modernization of our approach to California's transportation system. We review this local development for impacts to the State Highway System in keeping with our mission, vision and goals for sustainability/livability/economy, and safety/health. We provide these comments consistent with the State's smart mobility goals that support a vibrant economy, and build communities, not sprawl.

The proposed project includes demolition of approximately 105,200 square feet (sqft) of existing convention center space, and 11,500 sqft of existing commercial office space in the Panattoni Building. The project also proposes to construct 73,500 sqft of new exhibit space, 14,000 sqft of new meeting rooms, a 40,000 sqft ballroom, a new east lobby, an outdoor amphitheater, two new loading docks, upgraded lobbies, kitchen facilities, loading areas, outdoor terrace, administrative offices, and a central utility plant in the convention center; as well as construction of a 24-story, 300 foot hotel between K Street and Kayak Alley on 15th Street. The project is generally located on J and K Streets approximately 1 mile east of Interstate 5, and approximately 1 mile west of State Route 51. The following comments are based on the NOP.

Traffic Impact Study (TIS)

In developing this project we encourage the City to integrate transportation and land use in a way that reduces Vehicle Miles Traveled (VMT) and Greenhouse Gas (GHG) emissions by facilitating the provision of more proximate goods and services to shorten trip lengths, and achieve a high level of non-motorized travel and transit use. As such, we encourage the City to evaluate the potential of

"Provide a safe, sustainable, integrated, and efficient, transportation system to enhance California's economy and livability"

Transportation Demand Management (TDM) strategies and Intelligent Transportation System (ITS) applications in order to better manage the transportation network as well as transit service and bicycle or pedestrian connectivity improvements. The Department also seeks to reduce serious injuries and fatalities, as well as provide equitable mobility options for people who are economically, socially, or physically disadvantaged. Therefore, we ask the City to evaluate the plan for access problems, VMT and service needs that may need to be addressed.

The eventual Draft Environmental Impact Report (DEIR) should include an analysis of the multimodal travel demand expected from the proposed project. The study should include an analysis of the Base Year, (at the time the project opens for business), project only, Base Year plus Project, and cumulative year both with and without project. This analysis should also identify potentially significant adverse impacts from such demands and avoidance, minimization, and mitigation measures needed to address them. Early collaboration, such as sharing the analysis for review and comment prior to the environmental document, leads to better outcomes for all stakeholders.

Given that Caltrans current guidelines are in the process of being updated, a transportation impact study scoping meeting with District staff could be used to discuss the most appropriate methodology for this analysis. It would be also useful for us to discuss how the TIS can incorporate the I-5 Subregional Corridor Mitigation Program (discussed below). Caltrans requests an opportunity to review and comment on the TIS Scope before the study commences.

Traffic Management Plan

The Project Description section on page 3 of the NOP indicates the project will remove approximately 117,000 sqft of the existing convention center during demolition phase, which could cause potentially significant construction-traffic impacts. If a TMP will be required as mitigation as a result of ensuing traffic studies, please add Caltrans as a reviewer of any required construction TMP.

TMPs must be prepared in accordance with Caltrans' Manual on Traffic Control Devices. Further information is available for download at the following web address: <http://dot.ca.gov/trafficops/tm/tmp.html>. You may also contact Yemane Tekeste at (916) 859-7980 with any follow-up inquiries regarding development of TMPs.

I-5 Subregional Corridor Mitigation Program (SCMP)

The SCMP is a voluntary impact fee program for new development within the I-5, SR 99, State Route 51 (SR 51) and U.S. Route 50 (US 50) corridors between the cities of Elk Grove, Sacramento, and West Sacramento. The SCMP was developed with each city in collaboration with Caltrans for the purpose of promoting smart growth, reducing daily congested vehicle miles traveled (VMT) and delay on the SHS, and reduce daily VMT on the regional transportation system through funding an array of projects that includes all modes. The SCMP has been adopted by the cities of Sacramento and West Sacramento.

Through the I-5 SCMP, impact fee contributions would be made in lieu of conducting a detailed traffic impact study for freeway mainline impacts, including freeway mainline analysis, "merge and

diverge" analysis and weaving analysis on the mainline under either existing and cumulative conditions. If the applicant chooses to contribute towards the SCMP, the applicant would still be required to analyze intersection impacts, off-ramp traffic back-up onto the freeway mainline, and any significant safety issues in the vicinity of the intersection.

If the applicant elects not to contribute towards the SCMP, then a detailed traffic impact study may be required, along with mitigation measures, to lessen impacts to acceptable levels that are consistent with local and regional plans.

Impact fee contributions to the I-5 SCMP would go towards funding local and regional projects. Some potential projects that would benefit the project includes the Streetcar project between the Cities of Sacramento and West Sacramento, and the Light Rail extension from Richards Boulevard to Natomas Center.

Please provide our office with copies of any further actions regarding this project. We would appreciate the opportunity to review and comment on any changes related to this development.

If you have any questions regarding these comments or require additional information, please contact Arthur Murray by email at: arthur.murray@dot.ca.gov.

Sincerely,



JEFFEREY MORNEAU, Branch Chief
Office of Transportation Planning – South Branch

c: State Clearinghouse

August 31, 2017

Mr. Scott Johnson, Associate Planner
City of Sacramento Community Development Department
300 Richards Blvd., Third Floor
Sacramento, CA 95811

Re: Notice of Preparation of a Draft Environmental Impact Report for the
Sacramento Convention Center Renovation and Expansion and the 15th/K Street
Hotel Projects

Dear Mr. Johnson,

Auburn
Citrus Heights
Colfax
Davis
El Dorado County
Elk Grove
Folsom
Galt
Isleton
Live Oak
Lincoln
Loomis
Marysville
Placer County
Placerville
Rancho Cordova
Rocklin
Roseville
Sacramento
Sacramento County
Sutter County
West Sacramento
Wheatland
Winters
Woodland
Yolo County
Yuba City

Thank you for inviting SACOG's comments on the Notice of Preparation of a Draft Environmental Impact Report for the Sacramento Convention Center Renovation and Expansion and the 15th/K Street Hotel Projects. The renovation and expansion of the Convention Center presents a great opportunity for the City to demonstrate its innovation in how it integrates and facilitates walking, biking, transit, and shared-mobility solutions.

The project areas are part of SACOG's 2016 Metropolitan Transportation Plan/Sustainable Communities Strategy (2016 MTP/SCS) and longer-term Blueprint Vision. The projects, located in downtown, are included in the Center and Corridor Community Type in the 2016 MTP/SCS. In this Center and Corridor Community, which encompasses the entire downtown/central city area, the MTP/SCS forecasts 23,007 new housing units and 45,308 new employees. Next year SACOG will begin its quadrennial update of the plan (scheduled adoption in 2020) and will be working with the City to determine if there is a need to update the projections for this area for the next MTP/SCS. Additionally, the MTP/SCS includes significant transportation infrastructure investment in this area, including the Downtown/Riverfront Streetcar project. A full listing of the transportation projects can be found in Appendix A of the MTP/SCS at: <https://www.sacog.org/metropolitan-transportation-plansustainable-communities-strategy>.

The MTP/SCS is measured by a number of performance goals. Specific to transportation goals, the plan aims to increase travel efficiency and multi-modal travel, and reduce congestion and vehicle miles traveled (VMT). We recommend you consider these transportation outcomes as you analyze the proposed projects and alternatives.

In pursuit of the above noted goals, the City and SACOG have been working together on a number of projects, including Grid 3.0, the Downtown Specific Plan, Streetcar, and Bike Share. We recommend you discuss how the Convention Center and Hotel projects interface with these mobility projects. In particular, it is important that the EIR analyze the impact of the proposed projects on Grid 3.0's low-stress bicycle network as 13th Street and K Street are identified as existing low-stress bicycle routes today.

Because the Convention Center and Hotel projects will be a major destination for people from within and outside of the region, it is imperative that the project intentionally plan and facilitate walking, biking, transit, and shared mobility options. The design details of the projects will be instrumental in influencing whether people will walk, bike, or take transit to the sites. In light of this, we suggest you analyze the impacts to and from all modes of travel as you analyze the project and alternatives.

If you have additional questions, please feel free to contact me or Kacey Lizon, Planning Manager, at klizon@sacog.org or 916-340-6265.

Sincerely,

A handwritten signature in blue ink, appearing to read "James Corless".

James Corless
Chief Executive Officer

JC:KL:JH:sm



Sent Via E-Mail

August 31, 2017

Scott Johnson
City of Sacramento
Community Development Department
300 Richards Boulevard, 3rd Floor
Sacramento, CA 95811
srjohnson@cityofsacramento.org

Subject: Notice of Preparation of an Environmental Impact Report for the Sacramento Convention Center Renovation and Expansion and the 15th/K Street Hotel Projects (Clearinghouse No. 2017082008)

Dear Mr. Johnson

The Sacramento Municipal Utility District (SMUD) appreciates the opportunity to provide comments on the Notice of Preparation (NOP) of an Environmental Impact Report (EIR) for the Sacramento Convention Center Renovation and Expansion and the 15th/K Street Hotel Projects (Project). SMUD is the primary energy provider for Sacramento County and the proposed Project area. SMUD's vision is to empower our customers with solutions and options that increase energy efficiency, protect the environment, reduce global warming, and lower the cost to serve our region. As a Responsible Agency, SMUD aims to ensure that the proposed Project limits the potential for significant environmental effects on SMUD facilities, employees, and customers.

It is our desire that the Project EIR will acknowledge any Project impacts related to the following:

- Overhead and or underground transmission and distribution line easements. Please view the following links on smud.org for more information regarding transmission encroachment:
 - <https://www.smud.org/en/business/customer-service/support-and-services/design-construction-services.htm>
 - <https://www.smud.org/en/do-business-with-smud/real-estate-services/transmission-right-of-way.htm>
- Utility line routing
- Electrical load needs/requirements
- Energy Efficiency
- Climate Change
- Cumulative impacts related to the need for increased electrical delivery

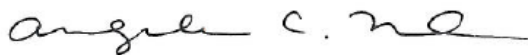
Based on our review of the Initial Study and our understanding of the proposed Project, SMUD encourages the City to consider the following:

1. **Sacramento Convention Center Infrastructure:** Existing transformer vault(s) currently serving the Convention Center and Community center could be used, in part or in whole, to serve the proposed improvements. However, additional space may be required depending on precise service requirements, for pad-mounted transformer(s) and switchgear. If pad-mounted space is unavailable, then vaulted space below-grade or within the premises may be needed.
2. **15th and K Street:** Proposed improvements at 15th and K Street may require space on the premises for pad-mounted transformer(s) and switchgear. If pad-mounted space is unavailable, then vaulted space below grade or within the premises will be needed.
3. **General Information Regarding Transformer Requirements:** Please consult “Electric Service in Downtown Sacramento”, <https://www.smud.org/assets/documents/pdf/dcs-Electric-Service-in-Downtown-Sacramento.pdf>, for additional information on equipment spacing requirements. You can also contact SMUD’s new services department at (916)732-7074 for additional information.
4. **Offsite Electrical Infrastructure Work:** Offsite electrical infrastructure work (e.g., offsite trenching for underground electrical conduits and manholes, etc.) may be required as a result of the proposed Project. Traffic closures and other mitigations could be necessary as a result of this offsite work. The full extent and scope of this offsite work, if any, will depend on the service requirements for the proposed Project.

SMUD would like to be involved with discussing the above areas of interest as well as discussing any other potential issues. We aim to be partners in the efficient and sustainable delivery of the proposed Project. Please ensure that the information included in this response is conveyed to the Project planners and the appropriate Project proponents.

Environmental leadership is a core value of SMUD and we look forward to collaborating with you on this Project. Again, we appreciate the opportunity to provide input on this NOP. If you have any questions regarding this letter, please contact Rob Ferrera at rob.ferrera@smud.org or (916)732-6676.

Sincerely,



Angela C. McIntire
Regional & Local Government Affairs
Sacramento Municipal Utility District
6301 S Street, Mail Stop A313
Sacramento, CA 95817
angela.mcintire@smud.org

Cc: Rob Ferrera, SMUD

Appendix C

Air Quality

Appendix C1

Air Quality Calculations

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction)
Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Arena	63.93	1000sqft	6.52	63,930.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

Project Characteristics -

Land Use - "Arena" land-use used as surrogate for Convention Center land-use. Lot acreage equal to entire lot.

Construction Phase - Construction schedule based on project-specific estimates.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rate based on traffic report.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	230.00	435.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	10.00	110.00
tblConstructionPhase	PhaseEndDate	4/10/2020	3/27/2020
tblConstructionPhase	PhaseEndDate	5/8/2020	3/31/2021
tblConstructionPhase	PhaseEndDate	4/26/2019	3/29/2019
tblConstructionPhase	PhaseEndDate	3/13/2020	3/31/2021

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

tblConstructionPhase	PhaseEndDate	4/27/2018	4/13/2018
tblConstructionPhase	PhaseEndDate	5/25/2018	7/31/2019
tblConstructionPhase	PhaseEndDate	6/8/2018	8/31/2018
tblConstructionPhase	PhaseStartDate	3/14/2020	3/2/2020
tblConstructionPhase	PhaseStartDate	4/11/2020	3/4/2021
tblConstructionPhase	PhaseStartDate	6/9/2018	4/15/2018
tblConstructionPhase	PhaseStartDate	4/27/2019	8/1/2019
tblConstructionPhase	PhaseStartDate	4/28/2018	6/1/2019
tblConstructionPhase	PhaseStartDate	5/26/2018	4/1/2018
tblEnergyUse	LightingElect	4.57	4.72
tblEnergyUse	T24E	3.41	3.58
tblEnergyUse	T24NG	23.39	23.50
tblLandUse	LotAcreage	20.55	6.52
tblStationaryBoilersUse	AnnualHeatInput	0.00	43,800.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	5.00
tblStationaryBoilersUse	DailyHeatInput	0.00	120.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.00	13.50
tblVehicleTrips	CNW_TL	6.50	17.55
tblVehicleTrips	CW_TL	10.00	27.00
tblVehicleTrips	ST_TR	10.71	40.86
tblVehicleTrips	SU_TR	10.71	40.86
tblVehicleTrips	WD_TR	10.71	40.86

2.0 Emissions Summary

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.5401	5.1620	3.1483	5.3300e-003	1.0341	0.2921	1.3262	0.5561	0.2717	0.8278	0.0000	479.8302	479.8302	0.1210	0.0000	482.8549
2019	0.2968	2.7806	2.0909	3.7600e-003	0.0826	0.1514	0.2340	0.0159	0.1420	0.1579	0.0000	334.7309	334.7309	0.0732	0.0000	336.5608
2020	0.5948	2.6862	2.3657	4.1400e-003	0.0340	0.1484	0.1824	9.2200e-003	0.1396	0.1488	0.0000	360.3006	360.3006	0.0767	0.0000	362.2184
2021	0.3635	0.6079	0.5805	1.0300e-003	8.5800e-003	0.0318	0.0403	2.3300e-003	0.0299	0.0322	0.0000	89.9310	89.9310	0.0186	0.0000	90.3970
Maximum	0.5948	5.1620	3.1483	5.3300e-003	1.0341	0.2921	1.3262	0.5561	0.2717	0.8278	0.0000	479.8302	479.8302	0.1210	0.0000	482.8549

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.5401	5.1620	3.1483	5.3300e-003	1.0341	0.2921	1.3262	0.5561	0.2717	0.8278	0.0000	479.8297	479.8297	0.1210	0.0000	482.8544
2019	0.2968	2.7806	2.0909	3.7600e-003	0.0826	0.1514	0.2340	0.0159	0.1420	0.1579	0.0000	334.7305	334.7305	0.0732	0.0000	336.5605
2020	0.5948	2.6862	2.3657	4.1400e-003	0.0340	0.1484	0.1824	9.2200e-003	0.1396	0.1488	0.0000	360.3002	360.3002	0.0767	0.0000	362.2181
2021	0.3635	0.6079	0.5805	1.0300e-003	8.5800e-003	0.0318	0.0403	2.3300e-003	0.0299	0.0322	0.0000	89.9309	89.9309	0.0186	0.0000	90.3969
Maximum	0.5948	5.1620	3.1483	5.3300e-003	1.0341	0.2921	1.3262	0.5561	0.2717	0.8278	0.0000	479.8297	479.8297	0.1210	0.0000	482.8544

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2018	6-30-2018	2.6854	2.6854
2	7-1-2018	9-30-2018	2.0786	2.0786
3	10-1-2018	12-31-2018	0.9085	0.9085
4	1-1-2019	3-31-2019	0.7832	0.7832
5	4-1-2019	6-30-2019	0.4589	0.4589
6	7-1-2019	9-30-2019	1.0163	1.0163
7	10-1-2019	12-31-2019	0.8188	0.8188
8	1-1-2020	3-31-2020	1.0295	1.0295

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

9	4-1-2020	6-30-2020	0.7351	0.7351
10	7-1-2020	9-30-2020	0.7432	0.7432
11	10-1-2020	12-31-2020	0.7442	0.7442
12	1-1-2021	3-31-2021	0.9748	0.9748
		Highest	2.6854	2.6854

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Energy	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	387.8703	387.8703	0.0154	4.9400e-003	389.7281
Mobile	1.0533	5.0003	14.5295	0.0443	3.6979	0.0471	3.7450	0.9918	0.0443	1.0362	0.0000	4,065.1485	4,065.1485	0.1991	0.0000	4,070.1261
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Waste						0.0000	0.0000		0.0000	0.0000	0.3573	0.0000	0.3573	0.0211	0.0000	0.8851
Water						0.0000	0.0000		0.0000	0.0000	9.7434	38.3885	48.1319	0.0354	0.0216	55.4479
Total	1.4631	5.3538	16.7290	0.0578	3.6979	0.2189	3.9168	0.9918	0.2161	1.2079	10.1007	6,828.7836	6,838.8843	0.3158	0.0265	6,854.6836

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Energy	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	387.8703	387.8703	0.0154	4.9400e-003	389.7281
Mobile	1.0533	5.0003	14.5295	0.0443	3.6979	0.0471	3.7450	0.9918	0.0443	1.0362	0.0000	4,065.1485	4,065.1485	0.1991	0.0000	4,070.1261
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Waste						0.0000	0.0000		0.0000	0.0000	0.3573	0.0000	0.3573	0.0211	0.0000	0.8851
Water						0.0000	0.0000		0.0000	0.0000	9.7434	38.3885	48.1319	0.0354	0.0216	55.4479
Total	1.4631	5.3538	16.7290	0.0578	3.6979	0.2189	3.9168	0.9918	0.2161	1.2079	10.1007	6,828.7836	6,838.8843	0.3158	0.0265	6,854.6836

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	East Expansion: Demolition	Demolition	4/1/2018	4/13/2018	5	10	
2	Early Utility Work and Site Preparation	Site Preparation	4/1/2018	8/31/2018	5	110	
3	East Expansion: Construction	Building Construction	4/15/2018	3/29/2019	5	250	
4	West Expansion: Demolition	Demolition	6/1/2019	7/31/2019	5	43	
5	West Expansion: Construction	Building Construction	8/1/2019	3/31/2021	5	435	
6	East Expansion: Architectural Coating	Architectural Coating	3/2/2020	3/27/2020	5	20	
7	West Expansion: Architectural Coating	Architectural Coating	3/4/2021	3/31/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,895; Non-Residential Outdoor: 31,965; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
East Expansion: Demolition	Excavators	3	8.00	158	0.38
East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
East Expansion: Construction	Cranes	1	7.00	231	0.29
East Expansion: Construction	Forklifts	3	8.00	89	0.20
East Expansion: Construction	Generator Sets	1	8.00	84	0.74
East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
East Expansion: Construction	Welders	1	8.00	46	0.45
East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
West Expansion: Demolition	Excavators	3	8.00	158	0.38
West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
West Expansion: Construction	Cranes	1	7.00	231	0.29
West Expansion: Construction	Forklifts	3	8.00	89	0.20
West Expansion: Construction	Generator Sets	1	8.00	84	0.74
West Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
West Expansion: Construction	Welders	1	8.00	46	0.45
West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1400e-003	0.0000	8.1400e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	8.1400e-003	9.6900e-003	0.0178	1.2300e-003	9.0200e-003	0.0103	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

3.2 East Expansion: Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0119	3.0100e-003	3.0000e-005	6.1000e-004	5.0000e-005	6.6000e-004	1.7000e-004	5.0000e-005	2.2000e-004	0.0000	2.8143	2.8143	1.7000e-004	0.0000	2.8185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	6.8000e-004	0.0122	5.5800e-003	4.0000e-005	1.1600e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	3.3355	3.3355	1.9000e-004	0.0000	3.3402

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1400e-003	0.0000	8.1400e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	8.1400e-003	9.6900e-003	0.0178	1.2300e-003	9.0200e-003	0.0103	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

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3.2 East Expansion: Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0119	3.0100e-003	3.0000e-005	6.1000e-004	5.0000e-005	6.6000e-004	1.7000e-004	5.0000e-005	2.2000e-004	0.0000	2.8143	2.8143	1.7000e-004	0.0000	2.8185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	6.8000e-004	0.0122	5.5800e-003	4.0000e-005	1.1600e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	3.3355	3.3355	1.9000e-004	0.0000	3.3402

3.3 Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9936	0.0000	0.9936	0.5462	0.0000	0.5462	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2510	2.6509	1.2362	2.0900e-003		0.1417	0.1417		0.1304	0.1304	0.0000	191.1795	191.1795	0.0595	0.0000	192.6674
Total	0.2510	2.6509	1.2362	2.0900e-003	0.9936	0.1417	1.1354	0.5462	0.1304	0.6766	0.0000	191.1795	191.1795	0.0595	0.0000	192.6674

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3.3 Early Utility Work and Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4100e-003	3.2000e-003	0.0339	8.0000e-005	7.2700e-003	6.0000e-005	7.3300e-003	1.9300e-003	5.0000e-005	1.9800e-003	0.0000	6.8803	6.8803	2.3000e-004	0.0000	6.8862
Total	4.4100e-003	3.2000e-003	0.0339	8.0000e-005	7.2700e-003	6.0000e-005	7.3300e-003	1.9300e-003	5.0000e-005	1.9800e-003	0.0000	6.8803	6.8803	2.3000e-004	0.0000	6.8862

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9936	0.0000	0.9936	0.5462	0.0000	0.5462	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2510	2.6509	1.2362	2.0900e-003		0.1417	0.1417		0.1304	0.1304	0.0000	191.1793	191.1793	0.0595	0.0000	192.6672
Total	0.2510	2.6509	1.2362	2.0900e-003	0.9936	0.1417	1.1354	0.5462	0.1304	0.6766	0.0000	191.1793	191.1793	0.0595	0.0000	192.6672

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3.3 Early Utility Work and Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4100e-003	3.2000e-003	0.0339	8.0000e-005	7.2700e-003	6.0000e-005	7.3300e-003	1.9300e-003	5.0000e-005	1.9800e-003	0.0000	6.8803	6.8803	2.3000e-004	0.0000	6.8862
Total	4.4100e-003	3.2000e-003	0.0339	8.0000e-005	7.2700e-003	6.0000e-005	7.3300e-003	1.9300e-003	5.0000e-005	1.9800e-003	0.0000	6.8803	6.8803	2.3000e-004	0.0000	6.8862

3.4 East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2492	2.1753	1.6350	2.5000e-003		0.1395	0.1395		0.1311	0.1311	0.0000	221.1235	221.1235	0.0542	0.0000	222.4779
Total	0.2492	2.1753	1.6350	2.5000e-003		0.1395	0.1395		0.1311	0.1311	0.0000	221.1235	221.1235	0.0542	0.0000	222.4779

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3.4 East Expansion: Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0500e-003	0.1207	0.0400	2.3000e-004	5.4400e-003	9.5000e-004	6.3900e-003	1.5700e-003	9.1000e-004	2.4800e-003	0.0000	22.2982	22.2982	1.4400e-003	0.0000	22.3343
Worker	0.0112	8.1100e-003	0.0861	1.9000e-004	0.0184	1.4000e-004	0.0186	4.9000e-003	1.3000e-004	5.0300e-003	0.0000	17.4511	17.4511	5.9000e-004	0.0000	17.4659
Total	0.0162	0.1288	0.1261	4.2000e-004	0.0239	1.0900e-003	0.0250	6.4700e-003	1.0400e-003	7.5100e-003	0.0000	39.7493	39.7493	2.0300e-003	0.0000	39.8002

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2492	2.1753	1.6350	2.5000e-003		0.1395	0.1395		0.1311	0.1311	0.0000	221.1233	221.1233	0.0542	0.0000	222.4776
Total	0.2492	2.1753	1.6350	2.5000e-003		0.1395	0.1395		0.1311	0.1311	0.0000	221.1233	221.1233	0.0542	0.0000	222.4776

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3.4 East Expansion: Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0500e-003	0.1207	0.0400	2.3000e-004	5.4400e-003	9.5000e-004	6.3900e-003	1.5700e-003	9.1000e-004	2.4800e-003	0.0000	22.2982	22.2982	1.4400e-003	0.0000	22.3343
Worker	0.0112	8.1100e-003	0.0861	1.9000e-004	0.0184	1.4000e-004	0.0186	4.9000e-003	1.3000e-004	5.0300e-003	0.0000	17.4511	17.4511	5.9000e-004	0.0000	17.4659
Total	0.0162	0.1288	0.1261	4.2000e-004	0.0239	1.0900e-003	0.0250	6.4700e-003	1.0400e-003	7.5100e-003	0.0000	39.7493	39.7493	2.0300e-003	0.0000	39.8002

3.4 East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0756	0.6745	0.5492	8.6000e-004		0.0413	0.0413		0.0388	0.0388	0.0000	75.2333	75.2333	0.0183	0.0000	75.6915
Total	0.0756	0.6745	0.5492	8.6000e-004		0.0413	0.0413		0.0388	0.0388	0.0000	75.2333	75.2333	0.0183	0.0000	75.6915

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3.4 East Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0393	0.0120	8.0000e-005	1.8700e-003	2.8000e-004	2.1500e-003	5.4000e-004	2.7000e-004	8.1000e-004	0.0000	7.6189	7.6189	4.8000e-004	0.0000	7.6308
Worker	3.4900e-003	2.4500e-003	0.0265	6.0000e-005	6.3500e-003	5.0000e-005	6.3900e-003	1.6900e-003	4.0000e-005	1.7300e-003	0.0000	5.8007	5.8007	1.8000e-004	0.0000	5.8052
Total	5.0200e-003	0.0417	0.0385	1.4000e-004	8.2200e-003	3.3000e-004	8.5400e-003	2.2300e-003	3.1000e-004	2.5400e-003	0.0000	13.4196	13.4196	6.6000e-004	0.0000	13.4360

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0756	0.6745	0.5492	8.6000e-004		0.0413	0.0413		0.0388	0.0388	0.0000	75.2333	75.2333	0.0183	0.0000	75.6914
Total	0.0756	0.6745	0.5492	8.6000e-004		0.0413	0.0413		0.0388	0.0388	0.0000	75.2333	75.2333	0.0183	0.0000	75.6914

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3.4 East Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0393	0.0120	8.0000e-005	1.8700e-003	2.8000e-004	2.1500e-003	5.4000e-004	2.7000e-004	8.1000e-004	0.0000	7.6189	7.6189	4.8000e-004	0.0000	7.6308
Worker	3.4900e-003	2.4500e-003	0.0265	6.0000e-005	6.3500e-003	5.0000e-005	6.3900e-003	1.6900e-003	4.0000e-005	1.7300e-003	0.0000	5.8007	5.8007	1.8000e-004	0.0000	5.8052
Total	5.0200e-003	0.0417	0.0385	1.4000e-004	8.2200e-003	3.3000e-004	8.5400e-003	2.2300e-003	3.1000e-004	2.5400e-003	0.0000	13.4196	13.4196	6.6000e-004	0.0000	13.4360

3.5 West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0540	0.0000	0.0540	8.1700e-003	0.0000	8.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0755	0.7693	0.4743	8.3000e-004		0.0386	0.0386		0.0359	0.0359	0.0000	74.4466	74.4466	0.0207	0.0000	74.9644
Total	0.0755	0.7693	0.4743	8.3000e-004	0.0540	0.0386	0.0926	8.1700e-003	0.0359	0.0441	0.0000	74.4466	74.4466	0.0207	0.0000	74.9644

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3.5 West Expansion: Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0743	0.0180	1.9000e-004	4.0300e-003	3.1000e-004	4.3500e-003	1.1100e-003	3.0000e-004	1.4100e-003	0.0000	18.4792	18.4792	1.1000e-003	0.0000	18.5067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	9.2000e-004	9.9000e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1652	2.1652	7.0000e-005	0.0000	2.1669
Total	3.4100e-003	0.0752	0.0279	2.1000e-004	6.4000e-003	3.3000e-004	6.7400e-003	1.7400e-003	3.2000e-004	2.0600e-003	0.0000	20.6444	20.6444	1.1700e-003	0.0000	20.6735

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0540	0.0000	0.0540	8.1700e-003	0.0000	8.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0755	0.7693	0.4743	8.3000e-004		0.0386	0.0386		0.0359	0.0359	0.0000	74.4465	74.4465	0.0207	0.0000	74.9643
Total	0.0755	0.7693	0.4743	8.3000e-004	0.0540	0.0386	0.0926	8.1700e-003	0.0359	0.0441	0.0000	74.4465	74.4465	0.0207	0.0000	74.9643

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3.5 West Expansion: Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0743	0.0180	1.9000e-004	4.0300e-003	3.1000e-004	4.3500e-003	1.1100e-003	3.0000e-004	1.4100e-003	0.0000	18.4792	18.4792	1.1000e-003	0.0000	18.5067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	9.2000e-004	9.9000e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1652	2.1652	7.0000e-005	0.0000	2.1669
Total	3.4100e-003	0.0752	0.0279	2.1000e-004	6.4000e-003	3.3000e-004	6.7400e-003	1.7400e-003	3.2000e-004	2.0600e-003	0.0000	20.6444	20.6444	1.1700e-003	0.0000	20.6735

3.6 West Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1318	128.1318	0.0312	0.0000	128.9121
Total	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1318	128.1318	0.0312	0.0000	128.9121

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3.6 West Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6100e-003	0.0669	0.0204	1.4000e-004	3.1900e-003	4.8000e-004	3.6600e-003	9.2000e-004	4.6000e-004	1.3800e-003	0.0000	12.9759	12.9759	8.1000e-004	0.0000	12.9963
Worker	5.9500e-003	4.1800e-003	0.0452	1.1000e-004	0.0108	8.0000e-005	0.0109	2.8700e-003	7.0000e-005	2.9500e-003	0.0000	9.8793	9.8793	3.1000e-004	0.0000	9.8870
Total	8.5600e-003	0.0710	0.0656	2.5000e-004	0.0140	5.6000e-004	0.0146	3.7900e-003	5.3000e-004	4.3300e-003	0.0000	22.8552	22.8552	1.1200e-003	0.0000	22.8832

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1316	128.1316	0.0312	0.0000	128.9120
Total	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1316	128.1316	0.0312	0.0000	128.9120

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3.6 West Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6100e-003	0.0669	0.0204	1.4000e-004	3.1900e-003	4.8000e-004	3.6600e-003	9.2000e-004	4.6000e-004	1.3800e-003	0.0000	12.9759	12.9759	8.1000e-004	0.0000	12.9963
Worker	5.9500e-003	4.1800e-003	0.0452	1.1000e-004	0.0108	8.0000e-005	0.0109	2.8700e-003	7.0000e-005	2.9500e-003	0.0000	9.8793	9.8793	3.1000e-004	0.0000	9.8870
Total	8.5600e-003	0.0710	0.0656	2.5000e-004	0.0140	5.6000e-004	0.0146	3.7900e-003	5.3000e-004	4.3300e-003	0.0000	22.8552	22.8552	1.1200e-003	0.0000	22.8832

3.6 West Expansion: Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596

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3.6 West Expansion: Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0100e-003	0.1469	0.0410	3.2000e-004	7.6600e-003	7.6000e-004	8.4200e-003	2.2100e-003	7.3000e-004	2.9400e-003	0.0000	30.9964	30.9964	1.8400e-003	0.0000	31.0422
Worker	0.0132	8.9300e-003	0.0979	2.5000e-004	0.0260	1.9000e-004	0.0262	6.9100e-003	1.7000e-004	7.0800e-003	0.0000	23.0165	23.0165	6.5000e-004	0.0000	23.0328
Total	0.0182	0.1558	0.1389	5.7000e-004	0.0336	9.5000e-004	0.0346	9.1200e-003	9.0000e-004	0.0100	0.0000	54.0129	54.0129	2.4900e-003	0.0000	54.0750

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592

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3.6 West Expansion: Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0100e-003	0.1469	0.0410	3.2000e-004	7.6600e-003	7.6000e-004	8.4200e-003	2.2100e-003	7.3000e-004	2.9400e-003	0.0000	30.9964	30.9964	1.8400e-003	0.0000	31.0422
Worker	0.0132	8.9300e-003	0.0979	2.5000e-004	0.0260	1.9000e-004	0.0262	6.9100e-003	1.7000e-004	7.0800e-003	0.0000	23.0165	23.0165	6.5000e-004	0.0000	23.0328
Total	0.0182	0.1558	0.1389	5.7000e-004	0.0336	9.5000e-004	0.0346	9.1200e-003	9.0000e-004	0.0100	0.0000	54.0129	54.0129	2.4900e-003	0.0000	54.0750

3.6 West Expansion: Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1239	74.1239	0.0179	0.0000	74.5710
Total	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1239	74.1239	0.0179	0.0000	74.5710

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3.6 West Expansion: Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0100e-003	0.0327	8.7500e-003	8.0000e-005	1.8700e-003	9.0000e-005	1.9600e-003	5.4000e-004	9.0000e-005	6.3000e-004	0.0000	7.5086	7.5086	4.3000e-004	0.0000	7.5194
Worker	2.9900e-003	1.9600e-003	0.0219	6.0000e-005	6.3500e-003	4.0000e-005	6.3900e-003	1.6900e-003	4.0000e-005	1.7300e-003	0.0000	5.4309	5.4309	1.4000e-004	0.0000	5.4345
Total	4.0000e-003	0.0347	0.0306	1.4000e-004	8.2200e-003	1.3000e-004	8.3500e-003	2.2300e-003	1.3000e-004	2.3600e-003	0.0000	12.9396	12.9396	5.7000e-004	0.0000	12.9539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1238	74.1238	0.0179	0.0000	74.5709
Total	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1238	74.1238	0.0179	0.0000	74.5709

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3.6 West Expansion: Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0100e-003	0.0327	8.7500e-003	8.0000e-005	1.8700e-003	9.0000e-005	1.9600e-003	5.4000e-004	9.0000e-005	6.3000e-004	0.0000	7.5086	7.5086	4.3000e-004	0.0000	7.5194
Worker	2.9900e-003	1.9600e-003	0.0219	6.0000e-005	6.3500e-003	4.0000e-005	6.3900e-003	1.6900e-003	4.0000e-005	1.7300e-003	0.0000	5.4309	5.4309	1.4000e-004	0.0000	5.4345
Total	4.0000e-003	0.0347	0.0306	1.4000e-004	8.2200e-003	1.3000e-004	8.3500e-003	2.2300e-003	1.3000e-004	2.3600e-003	0.0000	12.9396	12.9396	5.7000e-004	0.0000	12.9539

3.7 East Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	0.2987	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

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3.7 East Expansion: Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256
Total	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	0.2987	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

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3.7 East Expansion: Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256
Total	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256

3.8 West Expansion: Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.2985	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

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3.8 West Expansion: Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.1000e-004	1.2700e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3143	0.3143	1.0000e-005	0.0000	0.3145
Total	1.7000e-004	1.1000e-004	1.2700e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3143	0.3143	1.0000e-005	0.0000	0.3145

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.2985	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

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3.8 West Expansion: Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.1000e-004	1.2700e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3143	0.3143	1.0000e-005	0.0000	0.3145
Total	1.7000e-004	1.1000e-004	1.2700e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3143	0.3143	1.0000e-005	0.0000	0.3145

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0533	5.0003	14.5295	0.0443	3.6979	0.0471	3.7450	0.9918	0.0443	1.0362	0.0000	4,065.1485	4,065.1485	0.1991	0.0000	4,070.1261
Unmitigated	1.0533	5.0003	14.5295	0.0443	3.6979	0.0471	3.7450	0.9918	0.0443	1.0362	0.0000	4,065.1485	4,065.1485	0.1991	0.0000	4,070.1261

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	2,612.18	2,612.18	2612.18	9,910,285	9,910,285
Total	2,612.18	2,612.18	2,612.18	9,910,285	9,910,285

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	27.00	13.50	17.55	0.00	81.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	265.3275	265.3275	0.0130	2.7000e-003	266.4570
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	265.3275	265.3275	0.0130	2.7000e-003	266.4570
NaturalGas Mitigated	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
NaturalGas Unmitigated	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Total		0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Total		0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Total		265.3275	0.0130	2.7000e-003	266.4570

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Total		265.3275	0.0130	2.7000e-003	266.4570

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Unmitigated	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2497					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Total	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2497					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Total	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003

7.0 Water Detail

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	48.1319	0.0354	0.0216	55.4479
Unmitigated	48.1319	0.0354	0.0216	55.4479

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Total		48.1319	0.0354	0.0216	55.4479

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Total		48.1319	0.0354	0.0216	55.4479

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.3573	0.0211	0.0000	0.8851
Unmitigated	0.3573	0.0211	0.0000	0.8851

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Total		0.3573	0.0211	0.0000	0.8851

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Total		0.3573	0.0211	0.0000	0.8851

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Boiler - CNG (5 - 75 MMBTU)	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Total	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947

11.0 Vegetation

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction)
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Arena	63.93	1000sqft	6.52	63,930.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

Project Characteristics -

Land Use - "Arena" land-use used as surrogate for Convention Center land-use. Lot acreage equal to entire lot.

Construction Phase - Construction schedule based on project-specific estimates.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rate based on traffic report.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	230.00	435.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	10.00	110.00
tblConstructionPhase	PhaseEndDate	4/10/2020	3/27/2020
tblConstructionPhase	PhaseEndDate	5/8/2020	3/31/2021
tblConstructionPhase	PhaseEndDate	4/26/2019	3/29/2019
tblConstructionPhase	PhaseEndDate	3/13/2020	3/31/2021

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

tblConstructionPhase	PhaseEndDate	4/27/2018	4/13/2018
tblConstructionPhase	PhaseEndDate	5/25/2018	7/31/2019
tblConstructionPhase	PhaseEndDate	6/8/2018	8/31/2018
tblConstructionPhase	PhaseStartDate	3/14/2020	3/2/2020
tblConstructionPhase	PhaseStartDate	4/11/2020	3/4/2021
tblConstructionPhase	PhaseStartDate	6/9/2018	4/15/2018
tblConstructionPhase	PhaseStartDate	4/27/2019	8/1/2019
tblConstructionPhase	PhaseStartDate	4/28/2018	6/1/2019
tblConstructionPhase	PhaseStartDate	5/26/2018	4/1/2018
tblEnergyUse	LightingElect	4.57	4.72
tblEnergyUse	T24E	3.41	3.58
tblEnergyUse	T24NG	23.39	23.50
tblLandUse	LotAcreage	20.55	6.52
tblStationaryBoilersUse	AnnualHeatInput	0.00	43,800.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	5.00
tblStationaryBoilersUse	DailyHeatInput	0.00	120.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.00	13.50
tblVehicleTrips	CNW_TL	6.50	17.55
tblVehicleTrips	CW_TL	10.00	27.00
tblVehicleTrips	ST_TR	10.71	40.86
tblVehicleTrips	SU_TR	10.71	40.86
tblVehicleTrips	WD_TR	10.71	40.86

2.0 Emissions Summary

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	8.5201	88.9137	46.7014	0.0855	20.0706	4.5276	24.5982	10.2781	4.1871	14.4652	0.0000	8,607.3376	8,607.3376	2.3057	0.0000	8,664.9806
2019	3.6806	39.1526	23.4218	0.0489	2.8183	1.8101	4.6284	0.4634	1.6841	2.1475	0.0000	4,893.1466	4,893.1466	1.1210	0.0000	4,921.1718
2020	32.1693	22.0411	20.0198	0.0349	0.3036	1.2354	1.5390	0.0819	1.1683	1.2502	0.0000	3,352.0907	3,352.0907	0.6669	0.0000	3,368.7622
2021	31.9105	20.0290	19.6065	0.0348	0.3036	1.0571	1.3607	0.0819	0.9995	1.0814	0.0000	3,341.5632	3,341.5632	0.6561	0.0000	3,357.9668
Maximum	32.1693	88.9137	46.7014	0.0855	20.0706	4.5276	24.5982	10.2781	4.1871	14.4652	0.0000	8,607.3376	8,607.3376	2.3057	0.0000	8,664.9806

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Mobile	7.0846	26.0732	91.5676	0.2639	21.0331	0.2584	21.2915	5.6250	0.2430	5.8680		26,675.1956	26,675.1956	1.2550		26,706.5694
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	9.3306	28.0101	103.6219	0.3382	21.0331	1.1994	22.2325	5.6250	1.1841	6.8091		41,533.2641	41,533.2641	1.5398	0.0136	41,575.8021

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Mobile	7.0846	26.0732	91.5676	0.2639	21.0331	0.2584	21.2915	5.6250	0.2430	5.8680		26,675.1956	26,675.1956	1.2550		26,706.5694
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	9.3306	28.0101	103.6219	0.3382	21.0331	1.1994	22.2325	5.6250	1.1841	6.8091		41,533.2641	41,533.2641	1.5398	0.0136	41,575.8021

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	East Expansion: Demolition	Demolition	4/1/2018	4/13/2018	5	10	
2	Early Utility Work and Site Preparation	Site Preparation	4/1/2018	8/31/2018	5	110	
3	East Expansion: Construction	Building Construction	4/15/2018	3/29/2019	5	250	
4	West Expansion: Demolition	Demolition	6/1/2019	7/31/2019	5	43	
5	West Expansion: Construction	Building Construction	8/1/2019	3/31/2021	5	435	
6	East Expansion: Architectural Coating	Architectural Coating	3/2/2020	3/27/2020	5	20	
7	West Expansion: Architectural Coating	Architectural Coating	3/4/2021	3/31/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,895; Non-Residential Outdoor: 31,965; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
East Expansion: Demolition	Excavators	3	8.00	158	0.38
East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
East Expansion: Construction	Cranes	1	7.00	231	0.29
East Expansion: Construction	Forklifts	3	8.00	89	0.20
East Expansion: Construction	Generator Sets	1	8.00	84	0.74
East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
East Expansion: Construction	Welders	1	8.00	46	0.45
East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
West Expansion: Demolition	Excavators	3	8.00	158	0.38
West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
West Expansion: Construction	Cranes	1	7.00	231	0.29
West Expansion: Construction	Forklifts	3	8.00	89	0.20
West Expansion: Construction	Generator Sets	1	8.00	84	0.74
West Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
West Expansion: Construction	Welders	1	8.00	46	0.45
West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513		3,871.7665	3,871.7665	1.0667		3,898.4344

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.2 East Expansion: Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0683	2.2959	0.5941	5.8400e-003	0.1253	0.0103	0.1356	0.0343	9.8300e-003	0.0441		624.3189	624.3189	0.0366		625.2326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1456	2.3398	1.1972	7.1200e-003	0.2394	0.0111	0.2505	0.0646	0.0106	0.0752		751.4227	751.4227	0.0409		752.4457

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.2 East Expansion: Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0683	2.2959	0.5941	5.8400e-003	0.1253	0.0103	0.1356	0.0343	9.8300e-003	0.0441		624.3189	624.3189	0.0366		625.2326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1456	2.3398	1.1972	7.1200e-003	0.2394	0.0111	0.2505	0.0646	0.0106	0.0752		751.4227	751.4227	0.0409		752.4457

3.3 Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.6239	3,831.6239	1.1928		3,861.4448

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.3 Early Utility Work and Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557
Total	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.3 Early Utility Work and Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557
Total	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557

3.4 East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.4 East Expansion: Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0537	1.2656	0.4130	2.5300e-003	0.0602	0.0101	0.0703	0.0173	9.6800e-003	0.0270		267.0782	267.0782	0.0166		267.4922
Worker	0.1392	0.0789	1.0857	2.3000e-003	0.2054	1.5100e-003	0.2069	0.0545	1.3900e-003	0.0559		228.7868	228.7868	7.8700e-003		228.9836
Total	0.1929	1.3445	1.4987	4.8300e-003	0.2656	0.0116	0.2772	0.0718	0.0111	0.0829		495.8651	495.8651	0.0244		496.4758

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.4 East Expansion: Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0537	1.2656	0.4130	2.5300e-003	0.0602	0.0101	0.0703	0.0173	9.6800e-003	0.0270		267.0782	267.0782	0.0166		267.4922
Worker	0.1392	0.0789	1.0857	2.3000e-003	0.2054	1.5100e-003	0.2069	0.0545	1.3900e-003	0.0559		228.7868	228.7868	7.8700e-003		228.9836
Total	0.1929	1.3445	1.4987	4.8300e-003	0.2656	0.0116	0.2772	0.0718	0.0111	0.0829		495.8651	495.8651	0.0244		496.4758

3.4 East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.4 East Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.1978	0.3576	2.5100e-003	0.0602	8.6400e-003	0.0688	0.0173	8.2700e-003	0.0256		265.2509	265.2509	0.0159		265.6494
Worker	0.1265	0.0695	0.9749	2.2200e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		221.0333	221.0333	6.9600e-003		221.2072
Total	0.1738	1.2673	1.3325	4.7300e-003	0.2656	0.0101	0.2757	0.0718	9.6200e-003	0.0814		486.2842	486.2842	0.0229		486.8566

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.4 East Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.1978	0.3576	2.5100e-003	0.0602	8.6400e-003	0.0688	0.0173	8.2700e-003	0.0256		265.2509	265.2509	0.0159		265.6494
Worker	0.1265	0.0695	0.9749	2.2200e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		221.0333	221.0333	6.9600e-003		221.2072
Total	0.1738	1.2673	1.3325	4.7300e-003	0.2656	0.0101	0.2757	0.0718	9.6200e-003	0.0814		486.2842	486.2842	0.0229		486.8566

3.5 West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5108	0.0000	2.5108	0.3802	0.0000	0.3802			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.5108	1.7949	4.3057	0.3802	1.6697	2.0498		3,816.8994	3,816.8994	1.0618		3,843.4451

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.5 West Expansion: Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0969	3.3310	0.8201	8.9100e-003	0.1934	0.0143	0.2078	0.0529	0.0137	0.0667		953.4509	953.4509	0.0553		954.8338
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1672	3.3696	1.3617	0.0101	0.3075	0.0151	0.3227	0.0832	0.0145	0.0977		1,076.2472	1,076.2472	0.0592		1,077.7267

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5108	0.0000	2.5108	0.3802	0.0000	0.3802			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.5108	1.7949	4.3057	0.3802	1.6697	2.0498	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.5 West Expansion: Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0969	3.3310	0.8201	8.9100e-003	0.1934	0.0143	0.2078	0.0529	0.0137	0.0667		953.4509	953.4509	0.0553		954.8338
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1672	3.3696	1.3617	0.0101	0.3075	0.0151	0.3227	0.0832	0.0145	0.0977		1,076.2472	1,076.2472	0.0592		1,077.7267

3.6 West Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.6 West Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.1978	0.3576	2.5100e-003	0.0602	8.6400e-003	0.0688	0.0173	8.2700e-003	0.0256		265.2509	265.2509	0.0159		265.6494
Worker	0.1265	0.0695	0.9749	2.2200e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		221.0333	221.0333	6.9600e-003		221.2072
Total	0.1738	1.2673	1.3325	4.7300e-003	0.2656	0.0101	0.2757	0.0718	9.6200e-003	0.0814		486.2842	486.2842	0.0229		486.8566

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.6 West Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.1978	0.3576	2.5100e-003	0.0602	8.6400e-003	0.0688	0.0173	8.2700e-003	0.0256		265.2509	265.2509	0.0159		265.6494
Worker	0.1265	0.0695	0.9749	2.2200e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		221.0333	221.0333	6.9600e-003		221.2072
Total	0.1738	1.2673	1.3325	4.7300e-003	0.2656	0.0101	0.2757	0.0718	9.6200e-003	0.0814		486.2842	486.2842	0.0229		486.8566

3.6 West Expansion: Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.6 West Expansion: Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0377	1.0980	0.2951	2.4900e-003	0.0602	5.7200e-003	0.0659	0.0173	5.4800e-003	0.0228		263.6554	263.6554	0.0149		264.0289
Worker	0.1164	0.0618	0.8816	2.1500e-003	0.2054	1.4300e-003	0.2068	0.0545	1.3200e-003	0.0558		214.2485	214.2485	6.1400e-003		214.4020
Total	0.1541	1.1598	1.1767	4.6400e-003	0.2656	7.1500e-003	0.2727	0.0718	6.8000e-003	0.0786		477.9039	477.9039	0.0211		478.4309

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.6 West Expansion: Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0377	1.0980	0.2951	2.4900e-003	0.0602	5.7200e-003	0.0659	0.0173	5.4800e-003	0.0228		263.6554	263.6554	0.0149		264.0289
Worker	0.1164	0.0618	0.8816	2.1500e-003	0.2054	1.4300e-003	0.2068	0.0545	1.3200e-003	0.0558		214.2485	214.2485	6.1400e-003		214.4020
Total	0.1541	1.1598	1.1767	4.6400e-003	0.2656	7.1500e-003	0.2727	0.0718	6.8000e-003	0.0786		477.9039	477.9039	0.0211		478.4309

3.6 West Expansion: Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.6 West Expansion: Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0309	1.0044	0.2565	2.4700e-003	0.0602	2.7500e-003	0.0629	0.0173	2.6300e-003	0.0200		261.4779	261.4779	0.0143		261.8352
Worker	0.1082	0.0554	0.8077	2.0800e-003	0.2054	1.3900e-003	0.2068	0.0545	1.2800e-003	0.0558		206.9493	206.9493	5.5100e-003		207.0870
Total	0.1391	1.0598	1.0642	4.5500e-003	0.2656	4.1400e-003	0.2697	0.0718	3.9100e-003	0.0757		468.4273	468.4273	0.0198		468.9222

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.6 West Expansion: Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0309	1.0044	0.2565	2.4700e-003	0.0602	2.7500e-003	0.0629	0.0173	2.6300e-003	0.0200		261.4779	261.4779	0.0143		261.8352
Worker	0.1082	0.0554	0.8077	2.0800e-003	0.2054	1.3900e-003	0.2068	0.0545	1.2800e-003	0.0558		206.9493	206.9493	5.5100e-003		207.0870
Total	0.1391	1.0598	1.0642	4.5500e-003	0.2656	4.1400e-003	0.2697	0.0718	3.9100e-003	0.0757		468.4273	468.4273	0.0198		468.9222

3.7 East Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	29.8737	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.7 East Expansion: Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041
Total	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	29.8737	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.7 East Expansion: Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041
Total	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041

3.8 West Expansion: Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	29.8505	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.8 West Expansion: Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0200	0.0103	0.1496	3.8000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		38.3240	38.3240	1.0200e-003		38.3495
Total	0.0200	0.0103	0.1496	3.8000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		38.3240	38.3240	1.0200e-003		38.3495

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	29.8505	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.8 West Expansion: Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0200	0.0103	0.1496	3.8000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		38.3240	38.3240	1.0200e-003		38.3495
Total	0.0200	0.0103	0.1496	3.8000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		38.3240	38.3240	1.0200e-003		38.3495

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.0846	26.0732	91.5676	0.2639	21.0331	0.2584	21.2915	5.6250	0.2430	5.8680		26,675.1956	26,675.1956	1.2550		26,706.5694
Unmitigated	7.0846	26.0732	91.5676	0.2639	21.0331	0.2584	21.2915	5.6250	0.2430	5.8680		26,675.1956	26,675.1956	1.2550		26,706.5694

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	2,612.18	2,612.18	2612.18	9,910,285	9,910,285
Total	2,612.18	2,612.18	2,612.18	9,910,285	9,910,285

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	27.00	13.50	17.55	0.00	81.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
NaturalGas Unmitigated	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Total		0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Total		0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2000e-004	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2000e-004	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

7.0 Water Detail

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
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Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Summer

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531

11.0 Vegetation

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction)
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Arena	63.93	1000sqft	6.52	63,930.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

Project Characteristics -

Land Use - "Arena" land-use used as surrogate for Convention Center land-use. Lot acreage equal to entire lot.

Construction Phase - Construction schedule based on project-specific estimates.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rate based on traffic report.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	230.00	435.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	10.00	110.00
tblConstructionPhase	PhaseEndDate	4/10/2020	3/27/2020
tblConstructionPhase	PhaseEndDate	5/8/2020	3/31/2021
tblConstructionPhase	PhaseEndDate	4/26/2019	3/29/2019
tblConstructionPhase	PhaseEndDate	3/13/2020	3/31/2021

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

tblConstructionPhase	PhaseEndDate	4/27/2018	4/13/2018
tblConstructionPhase	PhaseEndDate	5/25/2018	7/31/2019
tblConstructionPhase	PhaseEndDate	6/8/2018	8/31/2018
tblConstructionPhase	PhaseStartDate	3/14/2020	3/2/2020
tblConstructionPhase	PhaseStartDate	4/11/2020	3/4/2021
tblConstructionPhase	PhaseStartDate	6/9/2018	4/15/2018
tblConstructionPhase	PhaseStartDate	4/27/2019	8/1/2019
tblConstructionPhase	PhaseStartDate	4/28/2018	6/1/2019
tblConstructionPhase	PhaseStartDate	5/26/2018	4/1/2018
tblEnergyUse	LightingElect	4.57	4.72
tblEnergyUse	T24E	3.41	3.58
tblEnergyUse	T24NG	23.39	23.50
tblLandUse	LotAcreage	20.55	6.52
tblStationaryBoilersUse	AnnualHeatInput	0.00	43,800.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	5.00
tblStationaryBoilersUse	DailyHeatInput	0.00	120.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.00	13.50
tblVehicleTrips	CNW_TL	6.50	17.55
tblVehicleTrips	CW_TL	10.00	27.00
tblVehicleTrips	ST_TR	10.71	40.86
tblVehicleTrips	SU_TR	10.71	40.86
tblVehicleTrips	WD_TR	10.71	40.86

2.0 Emissions Summary

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	8.5096	89.0385	46.5673	0.0851	20.0706	4.5279	24.5985	10.2781	4.1874	14.4655	0.0000	8,564.106 9	8,564.106 9	2.3065	0.0000	8,621.768 8
2019	3.6785	39.3046	23.4056	0.0487	2.8183	1.8105	4.6288	0.4634	1.6846	2.1479	0.0000	4,863.873 2	4,863.873 2	1.1233	0.0000	4,891.954 6
2020	32.1603	22.0808	19.9140	0.0346	0.3036	1.2356	1.5392	0.0819	1.1685	1.2504	0.0000	3,314.427 7	3,314.427 7	0.6672	0.0000	3,331.108 4
2021	31.9022	20.0610	19.5067	0.0345	0.3036	1.0573	1.3609	0.0819	0.9997	1.0816	0.0000	3,304.976 6	3,304.976 6	0.6565	0.0000	3,321.390 2
Maximum	32.1603	89.0385	46.5673	0.0851	20.0706	4.5279	24.5985	10.2781	4.1874	14.4655	0.0000	8,564.106 9	8,564.106 9	2.3065	0.0000	8,621.768 8

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Mobile	5.5575	28.4615	81.6036	0.2378	21.0331	0.2606	21.2937	5.6250	0.2451	5.8701		24,071.4164	24,071.4164	1.2173		24,101.8496
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	7.8035	30.3984	93.6579	0.3121	21.0331	1.2016	22.2347	5.6250	1.1861	6.8111		38,929.4849	38,929.4849	1.5022	0.0136	38,971.0823

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Mobile	5.5575	28.4615	81.6036	0.2378	21.0331	0.2606	21.2937	5.6250	0.2451	5.8701		24,071.4164	24,071.4164	1.2173		24,101.8496
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	7.8035	30.3984	93.6579	0.3121	21.0331	1.2016	22.2347	5.6250	1.1861	6.8111		38,929.4849	38,929.4849	1.5022	0.0136	38,971.0823

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	East Expansion: Demolition	Demolition	4/1/2018	4/13/2018	5	10	
2	Early Utility Work and Site Preparation	Site Preparation	4/1/2018	8/31/2018	5	110	
3	East Expansion: Construction	Building Construction	4/15/2018	3/29/2019	5	250	
4	West Expansion: Demolition	Demolition	6/1/2019	7/31/2019	5	43	
5	West Expansion: Construction	Building Construction	8/1/2019	3/31/2021	5	435	
6	East Expansion: Architectural Coating	Architectural Coating	3/2/2020	3/27/2020	5	20	
7	West Expansion: Architectural Coating	Architectural Coating	3/4/2021	3/31/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,895; Non-Residential Outdoor: 31,965; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
East Expansion: Demolition	Excavators	3	8.00	158	0.38
East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
East Expansion: Construction	Cranes	1	7.00	231	0.29
East Expansion: Construction	Forklifts	3	8.00	89	0.20
East Expansion: Construction	Generator Sets	1	8.00	84	0.74
East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
East Expansion: Construction	Welders	1	8.00	46	0.45
East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
West Expansion: Demolition	Excavators	3	8.00	158	0.38
West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
West Expansion: Construction	Cranes	1	7.00	231	0.29
West Expansion: Construction	Forklifts	3	8.00	89	0.20
West Expansion: Construction	Generator Sets	1	8.00	84	0.74
West Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
West Expansion: Construction	Welders	1	8.00	46	0.45
West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513		3,871.7665	3,871.7665	1.0667		3,898.4344

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.2 East Expansion: Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0710	2.3979	0.6381	5.7500e-003	0.1253	0.0106	0.1359	0.0343	0.0101	0.0444		615.0993	615.0993	0.0384		616.0583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1423	2.4522	1.1603	6.8700e-003	0.2394	0.0114	0.2509	0.0646	0.0109	0.0755		726.7435	726.7435	0.0423		727.7998

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.2 East Expansion: Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0710	2.3979	0.6381	5.7500e-003	0.1253	0.0106	0.1359	0.0343	0.0101	0.0444		615.0993	615.0993	0.0384		616.0583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1423	2.4522	1.1603	6.8700e-003	0.2394	0.0114	0.2509	0.0646	0.0109	0.0755		726.7435	726.7435	0.0423		727.7998

3.3 Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.6239	3,831.6239	1.1928		3,861.4448

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.3 Early Utility Work and Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898
Total	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.3 Early Utility Work and Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898
Total	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898

3.4 East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.4 East Expansion: Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0565	1.2994	0.4667	2.4700e-003	0.0602	0.0104	0.0706	0.0173	9.9200e-003	0.0273		260.4600	260.4600	0.0180		260.9087
Worker	0.1284	0.0976	0.9400	2.0200e-003	0.2054	1.5100e-003	0.2069	0.0545	1.3900e-003	0.0559		200.9596	200.9596	7.0100e-003		201.1348
Total	0.1849	1.3970	1.4067	4.4900e-003	0.2656	0.0119	0.2775	0.0718	0.0113	0.0831		461.4196	461.4196	0.0250		462.0435

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.4 East Expansion: Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0565	1.2994	0.4667	2.4700e-003	0.0602	0.0104	0.0706	0.0173	9.9200e-003	0.0273		260.4600	260.4600	0.0180		260.9087
Worker	0.1284	0.0976	0.9400	2.0200e-003	0.2054	1.5100e-003	0.2069	0.0545	1.3900e-003	0.0559		200.9596	200.9596	7.0100e-003		201.1348
Total	0.1849	1.3970	1.4067	4.4900e-003	0.2656	0.0119	0.2775	0.0718	0.0113	0.0831		461.4196	461.4196	0.0250		462.0435

3.4 East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.4 East Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.2271	0.4068	2.4500e-003	0.0602	8.8800e-003	0.0691	0.0173	8.4900e-003	0.0258		258.5858	258.5858	0.0173		259.0176
Worker	0.1165	0.0859	0.8387	1.9500e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		194.1300	194.1300	6.1600e-003		194.2841
Total	0.1662	1.3130	1.2456	4.4000e-003	0.2656	0.0103	0.2759	0.0718	9.8400e-003	0.0816		452.7158	452.7158	0.0234		453.3017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.4 East Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.2271	0.4068	2.4500e-003	0.0602	8.8800e-003	0.0691	0.0173	8.4900e-003	0.0258		258.5858	258.5858	0.0173		259.0176
Worker	0.1165	0.0859	0.8387	1.9500e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		194.1300	194.1300	6.1600e-003		194.2841
Total	0.1662	1.3130	1.2456	4.4000e-003	0.2656	0.0103	0.2759	0.0718	9.8400e-003	0.0816		452.7158	452.7158	0.0234		453.3017

3.5 West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5108	0.0000	2.5108	0.3802	0.0000	0.3802			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.5108	1.7949	4.3057	0.3802	1.6697	2.0498		3,816.8994	3,816.8994	1.0618		3,843.4451

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.5 West Expansion: Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1004	3.4739	0.8797	8.7700e-003	0.1934	0.0148	0.2082	0.0529	0.0141	0.0671		939.1238	939.1238	0.0580		940.5739
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1651	3.5216	1.3456	9.8500e-003	0.3075	0.0156	0.3231	0.0832	0.0149	0.0981		1,046.9738	1,046.9738	0.0614		1,048.5095

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5108	0.0000	2.5108	0.3802	0.0000	0.3802			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.5108	1.7949	4.3057	0.3802	1.6697	2.0498	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.5 West Expansion: Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1004	3.4739	0.8797	8.7700e-003	0.1934	0.0148	0.2082	0.0529	0.0141	0.0671		939.1238	939.1238	0.0580		940.5739
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1651	3.5216	1.3456	9.8500e-003	0.3075	0.0156	0.3231	0.0832	0.0149	0.0981		1,046.9738	1,046.9738	0.0614		1,048.5095

3.6 West Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.6 West Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.2271	0.4068	2.4500e-003	0.0602	8.8800e-003	0.0691	0.0173	8.4900e-003	0.0258		258.5858	258.5858	0.0173		259.0176
Worker	0.1165	0.0859	0.8387	1.9500e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		194.1300	194.1300	6.1600e-003		194.2841
Total	0.1662	1.3130	1.2456	4.4000e-003	0.2656	0.0103	0.2759	0.0718	9.8400e-003	0.0816		452.7158	452.7158	0.0234		453.3017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.6 West Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.2271	0.4068	2.4500e-003	0.0602	8.8800e-003	0.0691	0.0173	8.4900e-003	0.0258		258.5858	258.5858	0.0173		259.0176
Worker	0.1165	0.0859	0.8387	1.9500e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		194.1300	194.1300	6.1600e-003		194.2841
Total	0.1662	1.3130	1.2456	4.4000e-003	0.2656	0.0103	0.2759	0.0718	9.8400e-003	0.0816		452.7158	452.7158	0.0234		453.3017

3.6 West Expansion: Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.6 West Expansion: Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0397	1.1205	0.3395	2.4300e-003	0.0602	5.9200e-003	0.0661	0.0173	5.6600e-003	0.0230		256.9123	256.9123	0.0162		257.3165
Worker	0.1071	0.0763	0.7548	1.8900e-003	0.2054	1.4300e-003	0.2068	0.0545	1.3200e-003	0.0558		188.1599	188.1599	5.4100e-003		188.2952
Total	0.1469	1.1968	1.0943	4.3200e-003	0.2656	7.3500e-003	0.2729	0.0718	6.9800e-003	0.0788		445.0722	445.0722	0.0216		445.6117

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.6 West Expansion: Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0397	1.1205	0.3395	2.4300e-003	0.0602	5.9200e-003	0.0661	0.0173	5.6600e-003	0.0230		256.9123	256.9123	0.0162		257.3165
Worker	0.1071	0.0763	0.7548	1.8900e-003	0.2054	1.4300e-003	0.2068	0.0545	1.3200e-003	0.0558		188.1599	188.1599	5.4100e-003		188.2952
Total	0.1469	1.1968	1.0943	4.3200e-003	0.2656	7.3500e-003	0.2729	0.0718	6.9800e-003	0.0788		445.0722	445.0722	0.0216		445.6117

3.6 West Expansion: Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.6 West Expansion: Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0327	1.0209	0.2975	2.4100e-003	0.0602	2.9300e-003	0.0631	0.0173	2.8000e-003	0.0201		254.7521	254.7521	0.0155		255.1390
Worker	0.0997	0.0684	0.6889	1.8300e-003	0.2054	1.3900e-003	0.2068	0.0545	1.2800e-003	0.0558		181.7544	181.7544	4.8400e-003		181.8754
Total	0.1324	1.0893	0.9864	4.2400e-003	0.2656	4.3200e-003	0.2699	0.0718	4.0800e-003	0.0759		436.5064	436.5064	0.0203		437.0144

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.6 West Expansion: Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0327	1.0209	0.2975	2.4100e-003	0.0602	2.9300e-003	0.0631	0.0173	2.8000e-003	0.0201		254.7521	254.7521	0.0155		255.1390
Worker	0.0997	0.0684	0.6889	1.8300e-003	0.2054	1.3900e-003	0.2068	0.0545	1.2800e-003	0.0558		181.7544	181.7544	4.8400e-003		181.8754
Total	0.1324	1.0893	0.9864	4.2400e-003	0.2656	4.3200e-003	0.2699	0.0718	4.0800e-003	0.0759		436.5064	436.5064	0.0203		437.0144

3.7 East Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	29.8737	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.7 East Expansion: Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695
Total	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	29.8737	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.7 East Expansion: Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695
Total	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695

3.8 West Expansion: Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	29.8505	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.8 West Expansion: Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0185	0.0127	0.1276	3.4000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		33.6582	33.6582	9.0000e-004		33.6806
Total	0.0185	0.0127	0.1276	3.4000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		33.6582	33.6582	9.0000e-004		33.6806

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	29.8505	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.8 West Expansion: Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0185	0.0127	0.1276	3.4000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		33.6582	33.6582	9.0000e-004		33.6806
Total	0.0185	0.0127	0.1276	3.4000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		33.6582	33.6582	9.0000e-004		33.6806

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.5575	28.4615	81.6036	0.2378	21.0331	0.2606	21.2937	5.6250	0.2451	5.8701		24,071.4164	24,071.4164	1.2173		24,101.8496
Unmitigated	5.5575	28.4615	81.6036	0.2378	21.0331	0.2606	21.2937	5.6250	0.2451	5.8701		24,071.4164	24,071.4164	1.2173		24,101.8496

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	2,612.18	2,612.18	2612.18	9,910,285	9,910,285
Total	2,612.18	2,612.18	2,612.18	9,910,285	9,910,285

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	27.00	13.50	17.55	0.00	81.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
NaturalGas Unmitigated	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Total		0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Total		0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2000e-004	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2000e-004	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

7.0 Water Detail

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
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Sacramento Convention Center Renovation & Expansion (Maximum Daily; Phased Construction) - Sacramento County, Winter

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531

11.0 Vegetation

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction)
Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Arena	63.93	1000sqft	6.52	63,930.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

Project Characteristics -

Land Use - "Arena" land-use used as surrogate for Convention Center land-use. Lot acreage equal to entire lot.

Construction Phase - Construction schedule based on project-specific estimates.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rate based on traffic report.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	230.00	435.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	10.00	109.00
tblConstructionPhase	PhaseEndDate	1/11/2021	12/16/2019
tblConstructionPhase	PhaseEndDate	2/8/2021	3/31/2021
tblConstructionPhase	PhaseEndDate	1/27/2020	12/16/2019
tblConstructionPhase	PhaseEndDate	12/14/2020	3/31/2021

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

tblConstructionPhase	PhaseEndDate	1/28/2019	1/14/2019
tblConstructionPhase	PhaseEndDate	2/25/2019	9/13/2019
tblConstructionPhase	PhaseEndDate	3/11/2019	5/31/2019
tblConstructionPhase	PhaseStartDate	12/15/2020	11/19/2019
tblConstructionPhase	PhaseStartDate	1/12/2021	3/4/2021
tblConstructionPhase	PhaseStartDate	3/12/2019	1/1/2019
tblConstructionPhase	PhaseStartDate	1/28/2020	8/1/2019
tblConstructionPhase	PhaseStartDate	1/29/2019	7/15/2019
tblConstructionPhase	PhaseStartDate	2/26/2019	1/1/2019
tblEnergyUse	LightingElect	4.57	4.72
tblEnergyUse	T24E	3.41	3.58
tblEnergyUse	T24NG	23.39	23.50
tblLandUse	LotAcreage	20.55	6.52
tblStationaryBoilersUse	AnnualHeatInput	0.00	43,800.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	5.00
tblStationaryBoilersUse	DailyHeatInput	0.00	120.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.00	13.50
tblVehicleTrips	CNW_TL	6.50	17.55
tblVehicleTrips	CW_TL	10.00	27.00
tblVehicleTrips	ST_TR	10.71	40.86
tblVehicleTrips	SU_TR	10.71	40.86
tblVehicleTrips	WD_TR	10.71	40.86

2.0 Emissions Summary

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	1.0922	7.5933	5.1894	9.1300e-003	1.1081	0.4147	1.5228	0.5672	0.3869	0.9541	0.0000	812.2364	812.2364	0.1937	0.0000	817.0785
2020	0.2959	2.6692	2.3460	4.1000e-003	0.0336	0.1473	0.1809	9.1200e-003	0.1385	0.1476	0.0000	357.4220	357.4220	0.0765	0.0000	359.3346
2021	0.3635	0.6079	0.5805	1.0300e-003	8.5800e-003	0.0318	0.0403	2.3300e-003	0.0299	0.0322	0.0000	89.9310	89.9310	0.0186	0.0000	90.3970
Maximum	1.0922	7.5933	5.1894	9.1300e-003	1.1081	0.4147	1.5228	0.5672	0.3869	0.9541	0.0000	812.2364	812.2364	0.1937	0.0000	817.0785

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	1.0922	7.5933	5.1894	9.1300e-003	1.1081	0.4147	1.5228	0.5672	0.3869	0.9541	0.0000	812.2355	812.2355	0.1937	0.0000	817.0777
2020	0.2959	2.6692	2.3460	4.1000e-003	0.0336	0.1473	0.1809	9.1200e-003	0.1385	0.1476	0.0000	357.4216	357.4216	0.0765	0.0000	359.3343
2021	0.3635	0.6079	0.5805	1.0300e-003	8.5800e-003	0.0318	0.0403	2.3300e-003	0.0299	0.0322	0.0000	89.9309	89.9309	0.0186	0.0000	90.3969
Maximum	1.0922	7.5933	5.1894	9.1300e-003	1.1081	0.4147	1.5228	0.5672	0.3869	0.9541	0.0000	812.2355	812.2355	0.1937	0.0000	817.0777

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	2.6181	2.6181
2	4-1-2019	6-30-2019	1.8988	1.8988
3	7-1-2019	9-30-2019	2.2894	2.2894
4	10-1-2019	12-31-2019	1.8218	1.8218
5	1-1-2020	3-31-2020	0.7361	0.7361
6	4-1-2020	6-30-2020	0.7351	0.7351
7	7-1-2020	9-30-2020	0.7432	0.7432
8	10-1-2020	12-31-2020	0.7442	0.7442
9	1-1-2021	3-31-2021	0.9748	0.9748
		Highest	2.6181	2.6181

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Energy	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	387.8703	387.8703	0.0154	4.9400e-003	389.7281
Mobile	1.0533	5.0003	14.5295	0.0443	3.6979	0.0471	3.7450	0.9918	0.0443	1.0362	0.0000	4,065.1485	4,065.1485	0.1991	0.0000	4,070.1261
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Waste						0.0000	0.0000		0.0000	0.0000	0.3573	0.0000	0.3573	0.0211	0.0000	0.8851
Water						0.0000	0.0000		0.0000	0.0000	9.7434	38.3885	48.1319	0.0354	0.0216	55.4479
Total	1.4631	5.3538	16.7290	0.0578	3.6979	0.2189	3.9168	0.9918	0.2161	1.2079	10.1007	6,828.7836	6,838.8843	0.3158	0.0265	6,854.6836

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Energy	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	387.8703	387.8703	0.0154	4.9400e-003	389.7281
Mobile	1.0533	5.0003	14.5295	0.0443	3.6979	0.0471	3.7450	0.9918	0.0443	1.0362	0.0000	4,065.1485	4,065.1485	0.1991	0.0000	4,070.1261
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Waste						0.0000	0.0000		0.0000	0.0000	0.3573	0.0000	0.3573	0.0211	0.0000	0.8851
Water						0.0000	0.0000		0.0000	0.0000	9.7434	38.3885	48.1319	0.0354	0.0216	55.4479
Total	1.4631	5.3538	16.7290	0.0578	3.6979	0.2189	3.9168	0.9918	0.2161	1.2079	10.1007	6,828.7836	6,838.8843	0.3158	0.0265	6,854.6836

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	East Expansion: Demolition	Demolition	1/1/2019	1/14/2019	5	10	
2	Early Utility Work and Site Preparation	Site Preparation	1/1/2019	5/31/2019	5	109	
3	East Expansion: Construction	Building Construction	1/1/2019	12/16/2019	5	250	
4	West Expansion: Demolition	Demolition	7/15/2019	9/13/2019	5	45	
5	West Expansion: Construction	Building Construction	8/1/2019	3/31/2021	5	435	
6	East Expansion: Architectural Coating	Architectural Coating	11/19/2019	12/16/2019	5	20	
7	West Expansion: Architectural Coating	Architectural Coating	3/4/2021	3/31/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,895; Non-Residential Outdoor: 31,965; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
East Expansion: Demolition	Excavators	3	8.00	158	0.38
East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
East Expansion: Construction	Cranes	1	7.00	231	0.29
East Expansion: Construction	Forklifts	3	8.00	89	0.20
East Expansion: Construction	Generator Sets	1	8.00	84	0.74
East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
East Expansion: Construction	Welders	1	8.00	46	0.45
East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
West Expansion: Demolition	Excavators	3	8.00	158	0.38
West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
West Expansion: Construction	Cranes	1	7.00	231	0.29
West Expansion: Construction	Forklifts	3	8.00	89	0.20
West Expansion: Construction	Generator Sets	1	8.00	84	0.74
West Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
West Expansion: Construction	Welders	1	8.00	46	0.45
West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 East Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1400e-003	0.0000	8.1400e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3132	17.3132	4.8200e-003	0.0000	17.4336
Total	0.0176	0.1789	0.1103	1.9000e-004	8.1400e-003	8.9700e-003	0.0171	1.2300e-003	8.3500e-003	9.5800e-003	0.0000	17.3132	17.3132	4.8200e-003	0.0000	17.4336

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.2 East Expansion: Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0112	2.7100e-003	3.0000e-005	6.1000e-004	5.0000e-005	6.5000e-004	1.7000e-004	4.0000e-005	2.1000e-004	0.0000	2.7835	2.7835	1.7000e-004	0.0000	2.7876
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.3000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5035	0.5035	2.0000e-005	0.0000	0.5039
Total	6.2000e-004	0.0114	5.0100e-003	4.0000e-005	1.1600e-003	5.0000e-005	1.2000e-003	3.2000e-004	4.0000e-005	3.6000e-004	0.0000	3.2870	3.2870	1.9000e-004	0.0000	3.2915

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1400e-003	0.0000	8.1400e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3131	17.3131	4.8200e-003	0.0000	17.4336
Total	0.0176	0.1789	0.1103	1.9000e-004	8.1400e-003	8.9700e-003	0.0171	1.2300e-003	8.3500e-003	9.5800e-003	0.0000	17.3131	17.3131	4.8200e-003	0.0000	17.4336

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.2 East Expansion: Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0112	2.7100e-003	3.0000e-005	6.1000e-004	5.0000e-005	6.5000e-004	1.7000e-004	4.0000e-005	2.1000e-004	0.0000	2.7835	2.7835	1.7000e-004	0.0000	2.7876
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.3000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5035	0.5035	2.0000e-005	0.0000	0.5039
Total	6.2000e-004	0.0114	5.0100e-003	4.0000e-005	1.1600e-003	5.0000e-005	1.2000e-003	3.2000e-004	4.0000e-005	3.6000e-004	0.0000	3.2870	3.2870	1.9000e-004	0.0000	3.2915

3.3 Early Utility Work and Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9846	0.0000	0.9846	0.5412	0.0000	0.5412	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2363	2.4837	1.2024	2.0700e-003		0.1303	0.1303		0.1199	0.1199	0.0000	186.2193	186.2193	0.0589	0.0000	187.6923
Total	0.2363	2.4837	1.2024	2.0700e-003	0.9846	0.1303	1.1149	0.5412	0.1199	0.6611	0.0000	186.2193	186.2193	0.0589	0.0000	187.6923

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.3 Early Utility Work and Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9700e-003	2.7900e-003	0.0301	7.0000e-005	7.2000e-003	5.0000e-005	7.2600e-003	1.9200e-003	5.0000e-005	1.9700e-003	0.0000	6.5862	6.5862	2.0000e-004	0.0000	6.5913
Total	3.9700e-003	2.7900e-003	0.0301	7.0000e-005	7.2000e-003	5.0000e-005	7.2600e-003	1.9200e-003	5.0000e-005	1.9700e-003	0.0000	6.5862	6.5862	2.0000e-004	0.0000	6.5913

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9846	0.0000	0.9846	0.5412	0.0000	0.5412	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2363	2.4837	1.2024	2.0700e-003		0.1303	0.1303		0.1199	0.1199	0.0000	186.2191	186.2191	0.0589	0.0000	187.6921
Total	0.2363	2.4837	1.2024	2.0700e-003	0.9846	0.1303	1.1149	0.5412	0.1199	0.6611	0.0000	186.2191	186.2191	0.0589	0.0000	187.6921

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.3 Early Utility Work and Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9700e-003	2.7900e-003	0.0301	7.0000e-005	7.2000e-003	5.0000e-005	7.2600e-003	1.9200e-003	5.0000e-005	1.9700e-003	0.0000	6.5862	6.5862	2.0000e-004	0.0000	6.5913
Total	3.9700e-003	2.7900e-003	0.0301	7.0000e-005	7.2000e-003	5.0000e-005	7.2600e-003	1.9200e-003	5.0000e-005	1.9700e-003	0.0000	6.5862	6.5862	2.0000e-004	0.0000	6.5913

3.4 East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2952	2.6349	2.1455	3.3600e-003		0.1612	0.1612		0.1516	0.1516	0.0000	293.8803	293.8803	0.0716	0.0000	295.6701
Total	0.2952	2.6349	2.1455	3.3600e-003		0.1612	0.1612		0.1516	0.1516	0.0000	293.8803	293.8803	0.0716	0.0000	295.6701

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.4 East Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9900e-003	0.1533	0.0469	3.1000e-004	7.3100e-003	1.0900e-003	8.4000e-003	2.1100e-003	1.0500e-003	3.1600e-003	0.0000	29.7613	29.7613	1.8700e-003	0.0000	29.8080
Worker	0.0137	9.5900e-003	0.1036	2.5000e-004	0.0248	1.8000e-004	0.0250	6.5900e-003	1.7000e-004	6.7600e-003	0.0000	22.6589	22.6589	7.0000e-004	0.0000	22.6765
Total	0.0196	0.1629	0.1504	5.6000e-004	0.0321	1.2700e-003	0.0334	8.7000e-003	1.2200e-003	9.9200e-003	0.0000	52.4202	52.4202	2.5700e-003	0.0000	52.4845

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2952	2.6349	2.1455	3.3600e-003		0.1612	0.1612		0.1516	0.1516	0.0000	293.8799	293.8799	0.0716	0.0000	295.6697
Total	0.2952	2.6349	2.1455	3.3600e-003		0.1612	0.1612		0.1516	0.1516	0.0000	293.8799	293.8799	0.0716	0.0000	295.6697

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3.4 East Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9900e-003	0.1533	0.0469	3.1000e-004	7.3100e-003	1.0900e-003	8.4000e-003	2.1100e-003	1.0500e-003	3.1600e-003	0.0000	29.7613	29.7613	1.8700e-003	0.0000	29.8080
Worker	0.0137	9.5900e-003	0.1036	2.5000e-004	0.0248	1.8000e-004	0.0250	6.5900e-003	1.7000e-004	6.7600e-003	0.0000	22.6589	22.6589	7.0000e-004	0.0000	22.6765
Total	0.0196	0.1629	0.1504	5.6000e-004	0.0321	1.2700e-003	0.0334	8.7000e-003	1.2200e-003	9.9200e-003	0.0000	52.4202	52.4202	2.5700e-003	0.0000	52.4845

3.5 West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0540	0.0000	0.0540	8.1700e-003	0.0000	8.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0791	0.8051	0.4964	8.7000e-004		0.0404	0.0404		0.0376	0.0376	0.0000	77.9092	77.9092	0.0217	0.0000	78.4511
Total	0.0791	0.8051	0.4964	8.7000e-004	0.0540	0.0404	0.0944	8.1700e-003	0.0376	0.0457	0.0000	77.9092	77.9092	0.0217	0.0000	78.4511

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3.5 West Expansion: Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0743	0.0180	1.9000e-004	4.0300e-003	3.1000e-004	4.3500e-003	1.1100e-003	3.0000e-004	1.4100e-003	0.0000	18.4792	18.4792	1.1000e-003	0.0000	18.5067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	9.6000e-004	0.0104	3.0000e-005	2.4800e-003	2.0000e-005	2.5000e-003	6.6000e-004	2.0000e-005	6.8000e-004	0.0000	2.2659	2.2659	7.0000e-005	0.0000	2.2677
Total	3.4700e-003	0.0752	0.0283	2.2000e-004	6.5100e-003	3.3000e-004	6.8500e-003	1.7700e-003	3.2000e-004	2.0900e-003	0.0000	20.7451	20.7451	1.1700e-003	0.0000	20.7743

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0540	0.0000	0.0540	8.1700e-003	0.0000	8.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0791	0.8051	0.4964	8.7000e-004		0.0404	0.0404		0.0376	0.0376	0.0000	77.9092	77.9092	0.0217	0.0000	78.4510
Total	0.0791	0.8051	0.4964	8.7000e-004	0.0540	0.0404	0.0944	8.1700e-003	0.0376	0.0457	0.0000	77.9092	77.9092	0.0217	0.0000	78.4510

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.5 West Expansion: Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0743	0.0180	1.9000e-004	4.0300e-003	3.1000e-004	4.3500e-003	1.1100e-003	3.0000e-004	1.4100e-003	0.0000	18.4792	18.4792	1.1000e-003	0.0000	18.5067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	9.6000e-004	0.0104	3.0000e-005	2.4800e-003	2.0000e-005	2.5000e-003	6.6000e-004	2.0000e-005	6.8000e-004	0.0000	2.2659	2.2659	7.0000e-005	0.0000	2.2677
Total	3.4700e-003	0.0752	0.0283	2.2000e-004	6.5100e-003	3.3000e-004	6.8500e-003	1.7700e-003	3.2000e-004	2.0900e-003	0.0000	20.7451	20.7451	1.1700e-003	0.0000	20.7743

3.6 West Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1318	128.1318	0.0312	0.0000	128.9121
Total	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1318	128.1318	0.0312	0.0000	128.9121

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3.6 West Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6100e-003	0.0669	0.0204	1.4000e-004	3.1900e-003	4.8000e-004	3.6600e-003	9.2000e-004	4.6000e-004	1.3800e-003	0.0000	12.9759	12.9759	8.1000e-004	0.0000	12.9963
Worker	5.9500e-003	4.1800e-003	0.0452	1.1000e-004	0.0108	8.0000e-005	0.0109	2.8700e-003	7.0000e-005	2.9500e-003	0.0000	9.8793	9.8793	3.1000e-004	0.0000	9.8870
Total	8.5600e-003	0.0710	0.0656	2.5000e-004	0.0140	5.6000e-004	0.0146	3.7900e-003	5.3000e-004	4.3300e-003	0.0000	22.8552	22.8552	1.1200e-003	0.0000	22.8832

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1316	128.1316	0.0312	0.0000	128.9120
Total	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1316	128.1316	0.0312	0.0000	128.9120

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3.6 West Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6100e-003	0.0669	0.0204	1.4000e-004	3.1900e-003	4.8000e-004	3.6600e-003	9.2000e-004	4.6000e-004	1.3800e-003	0.0000	12.9759	12.9759	8.1000e-004	0.0000	12.9963
Worker	5.9500e-003	4.1800e-003	0.0452	1.1000e-004	0.0108	8.0000e-005	0.0109	2.8700e-003	7.0000e-005	2.9500e-003	0.0000	9.8793	9.8793	3.1000e-004	0.0000	9.8870
Total	8.5600e-003	0.0710	0.0656	2.5000e-004	0.0140	5.6000e-004	0.0146	3.7900e-003	5.3000e-004	4.3300e-003	0.0000	22.8552	22.8552	1.1200e-003	0.0000	22.8832

3.6 West Expansion: Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596

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3.6 West Expansion: Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0100e-003	0.1469	0.0410	3.2000e-004	7.6600e-003	7.6000e-004	8.4200e-003	2.2100e-003	7.3000e-004	2.9400e-003	0.0000	30.9964	30.9964	1.8400e-003	0.0000	31.0422
Worker	0.0132	8.9300e-003	0.0979	2.5000e-004	0.0260	1.9000e-004	0.0262	6.9100e-003	1.7000e-004	7.0800e-003	0.0000	23.0165	23.0165	6.5000e-004	0.0000	23.0328
Total	0.0182	0.1558	0.1389	5.7000e-004	0.0336	9.5000e-004	0.0346	9.1200e-003	9.0000e-004	0.0100	0.0000	54.0129	54.0129	2.4900e-003	0.0000	54.0750

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592

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3.6 West Expansion: Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.0100e-003	0.1469	0.0410	3.2000e-004	7.6600e-003	7.6000e-004	8.4200e-003	2.2100e-003	7.3000e-004	2.9400e-003	0.0000	30.9964	30.9964	1.8400e-003	0.0000	31.0422
Worker	0.0132	8.9300e-003	0.0979	2.5000e-004	0.0260	1.9000e-004	0.0262	6.9100e-003	1.7000e-004	7.0800e-003	0.0000	23.0165	23.0165	6.5000e-004	0.0000	23.0328
Total	0.0182	0.1558	0.1389	5.7000e-004	0.0336	9.5000e-004	0.0346	9.1200e-003	9.0000e-004	0.0100	0.0000	54.0129	54.0129	2.4900e-003	0.0000	54.0750

3.6 West Expansion: Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1239	74.1239	0.0179	0.0000	74.5710
Total	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1239	74.1239	0.0179	0.0000	74.5710

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3.6 West Expansion: Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0100e-003	0.0327	8.7500e-003	8.0000e-005	1.8700e-003	9.0000e-005	1.9600e-003	5.4000e-004	9.0000e-005	6.3000e-004	0.0000	7.5086	7.5086	4.3000e-004	0.0000	7.5194
Worker	2.9900e-003	1.9600e-003	0.0219	6.0000e-005	6.3500e-003	4.0000e-005	6.3900e-003	1.6900e-003	4.0000e-005	1.7300e-003	0.0000	5.4309	5.4309	1.4000e-004	0.0000	5.4345
Total	4.0000e-003	0.0347	0.0306	1.4000e-004	8.2200e-003	1.3000e-004	8.3500e-003	2.2300e-003	1.3000e-004	2.3600e-003	0.0000	12.9396	12.9396	5.7000e-004	0.0000	12.9539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1238	74.1238	0.0179	0.0000	74.5709
Total	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1238	74.1238	0.0179	0.0000	74.5709

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3.6 West Expansion: Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0100e-003	0.0327	8.7500e-003	8.0000e-005	1.8700e-003	9.0000e-005	1.9600e-003	5.4000e-004	9.0000e-005	6.3000e-004	0.0000	7.5086	7.5086	4.3000e-004	0.0000	7.5194
Worker	2.9900e-003	1.9600e-003	0.0219	6.0000e-005	6.3500e-003	4.0000e-005	6.3900e-003	1.6900e-003	4.0000e-005	1.7300e-003	0.0000	5.4309	5.4309	1.4000e-004	0.0000	5.4345
Total	4.0000e-003	0.0347	0.0306	1.4000e-004	8.2200e-003	1.3000e-004	8.3500e-003	2.2300e-003	1.3000e-004	2.3600e-003	0.0000	12.9396	12.9396	5.7000e-004	0.0000	12.9539

3.7 East Expansion: Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5587
Total	0.2990	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5587

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3.7 East Expansion: Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.4000e-004	1.5300e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3357	0.3357	1.0000e-005	0.0000	0.3360
Total	2.0000e-004	1.4000e-004	1.5300e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3357	0.3357	1.0000e-005	0.0000	0.3360

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5586
Total	0.2990	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5586

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3.7 East Expansion: Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.4000e-004	1.5300e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3357	0.3357	1.0000e-005	0.0000	0.3360
Total	2.0000e-004	1.4000e-004	1.5300e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3357	0.3357	1.0000e-005	0.0000	0.3360

3.8 West Expansion: Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.2985	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.8 West Expansion: Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.1000e-004	1.2700e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3143	0.3143	1.0000e-005	0.0000	0.3145
Total	1.7000e-004	1.1000e-004	1.2700e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3143	0.3143	1.0000e-005	0.0000	0.3145

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.2985	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.8 West Expansion: Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.1000e-004	1.2700e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3143	0.3143	1.0000e-005	0.0000	0.3145
Total	1.7000e-004	1.1000e-004	1.2700e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3143	0.3143	1.0000e-005	0.0000	0.3145

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0533	5.0003	14.5295	0.0443	3.6979	0.0471	3.7450	0.9918	0.0443	1.0362	0.0000	4,065.1485	4,065.1485	0.1991	0.0000	4,070.1261
Unmitigated	1.0533	5.0003	14.5295	0.0443	3.6979	0.0471	3.7450	0.9918	0.0443	1.0362	0.0000	4,065.1485	4,065.1485	0.1991	0.0000	4,070.1261

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	2,612.18	2,612.18	2612.18	9,910,285	9,910,285
Total	2,612.18	2,612.18	2,612.18	9,910,285	9,910,285

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	27.00	13.50	17.55	0.00	81.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	265.3275	265.3275	0.0130	2.7000e-003	266.4570
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	265.3275	265.3275	0.0130	2.7000e-003	266.4570
NaturalGas Mitigated	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
NaturalGas Unmitigated	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Total		0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Total		0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Total		265.3275	0.0130	2.7000e-003	266.4570

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Total		265.3275	0.0130	2.7000e-003	266.4570

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Unmitigated	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2497					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Total	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2497					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Total	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003

7.0 Water Detail

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	48.1319	0.0354	0.0216	55.4479
Unmitigated	48.1319	0.0354	0.0216	55.4479

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Total		48.1319	0.0354	0.0216	55.4479

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Total		48.1319	0.0354	0.0216	55.4479

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.3573	0.0211	0.0000	0.8851
Unmitigated	0.3573	0.0211	0.0000	0.8851

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Total		0.3573	0.0211	0.0000	0.8851

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Total		0.3573	0.0211	0.0000	0.8851

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Boiler - CNG (5 - 75 MMBTU)	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Total	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947

11.0 Vegetation

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction)
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Arena	63.93	1000sqft	6.52	63,930.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

Project Characteristics -

Land Use - "Arena" land-use used as surrogate for Convention Center land-use. Lot acreage equal to entire lot.

Construction Phase - Construction schedule based on project-specific estimates.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rate based on traffic report.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	230.00	435.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	10.00	109.00
tblConstructionPhase	PhaseEndDate	1/11/2021	12/16/2019
tblConstructionPhase	PhaseEndDate	2/8/2021	3/31/2021
tblConstructionPhase	PhaseEndDate	1/27/2020	12/16/2019
tblConstructionPhase	PhaseEndDate	12/14/2020	3/31/2021

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

tblConstructionPhase	PhaseEndDate	1/28/2019	1/14/2019
tblConstructionPhase	PhaseEndDate	2/25/2019	9/13/2019
tblConstructionPhase	PhaseEndDate	3/11/2019	5/31/2019
tblConstructionPhase	PhaseStartDate	12/15/2020	11/19/2019
tblConstructionPhase	PhaseStartDate	1/12/2021	3/4/2021
tblConstructionPhase	PhaseStartDate	3/12/2019	1/1/2019
tblConstructionPhase	PhaseStartDate	1/28/2020	8/1/2019
tblConstructionPhase	PhaseStartDate	1/29/2019	7/15/2019
tblConstructionPhase	PhaseStartDate	2/26/2019	1/1/2019
tblEnergyUse	LightingElect	4.57	4.72
tblEnergyUse	T24E	3.41	3.58
tblEnergyUse	T24NG	23.39	23.50
tblLandUse	LotAcreage	20.55	6.52
tblStationaryBoilersUse	AnnualHeatInput	0.00	43,800.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	5.00
tblStationaryBoilersUse	DailyHeatInput	0.00	120.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.00	13.50
tblVehicleTrips	CNW_TL	6.50	17.55
tblVehicleTrips	CW_TL	10.00	27.00
tblVehicleTrips	ST_TR	10.71	40.86
tblVehicleTrips	SU_TR	10.71	40.86
tblVehicleTrips	WD_TR	10.71	40.86

2.0 Emissions Summary

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	34.9914	105.9442	64.3420	0.1169	20.3361	5.4963	25.8324	10.3499	5.1017	15.4515	0.0000	11,548.9174	11,548.9174	2.9521	0.0000	11,622.7186
2020	2.2740	20.3459	18.0252	0.0316	0.2656	1.1242	1.3898	0.0718	1.0571	1.1289	0.0000	3,030.9670	3,030.9670	0.6439	0.0000	3,047.0654
2021	31.9105	20.0290	19.6065	0.0348	0.3036	1.0571	1.3607	0.0819	0.9995	1.0814	0.0000	3,341.5632	3,341.5632	0.6561	0.0000	3,357.9668
Maximum	34.9914	105.9442	64.3420	0.1169	20.3361	5.4963	25.8324	10.3499	5.1017	15.4515	0.0000	11,548.9174	11,548.9174	2.9521	0.0000	11,622.7186

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	34.9914	105.9442	64.3420	0.1169	20.3361	5.4963	25.8324	10.3499	5.1017	15.4515	0.0000	11,548.9173	11,548.9173	2.9521	0.0000	11,622.7186
2020	2.2740	20.3459	18.0252	0.0316	0.2656	1.1242	1.3898	0.0718	1.0571	1.1289	0.0000	3,030.9670	3,030.9670	0.6439	0.0000	3,047.0653
2021	31.9105	20.0290	19.6065	0.0348	0.3036	1.0571	1.3607	0.0819	0.9995	1.0814	0.0000	3,341.5632	3,341.5632	0.6561	0.0000	3,357.9668
Maximum	34.9914	105.9442	64.3420	0.1169	20.3361	5.4963	25.8324	10.3499	5.1017	15.4515	0.0000	11,548.9173	11,548.9173	2.9521	0.0000	11,622.7186

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Mobile	7.0846	26.0732	91.5676	0.2639	21.0331	0.2584	21.2915	5.6250	0.2430	5.8680		26,675.1956	26,675.1956	1.2550		26,706.5694
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	9.3306	28.0101	103.6219	0.3382	21.0331	1.1994	22.2325	5.6250	1.1841	6.8091		41,533.2641	41,533.2641	1.5398	0.0136	41,575.8021

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Mobile	7.0846	26.0732	91.5676	0.2639	21.0331	0.2584	21.2915	5.6250	0.2430	5.8680		26,675.1956	26,675.1956	1.2550		26,706.5694
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	9.3306	28.0101	103.6219	0.3382	21.0331	1.1994	22.2325	5.6250	1.1841	6.8091		41,533.2641	41,533.2641	1.5398	0.0136	41,575.8021

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	East Expansion: Demolition	Demolition	1/1/2019	1/14/2019	5	10	
2	Early Utility Work and Site Preparation	Site Preparation	1/1/2019	5/31/2019	5	109	
3	East Expansion: Construction	Building Construction	1/1/2019	12/16/2019	5	250	
4	West Expansion: Demolition	Demolition	7/15/2019	9/13/2019	5	45	
5	West Expansion: Construction	Building Construction	8/1/2019	3/31/2021	5	435	
6	East Expansion: Architectural Coating	Architectural Coating	11/19/2019	12/16/2019	5	20	
7	West Expansion: Architectural Coating	Architectural Coating	3/4/2021	3/31/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,895; Non-Residential Outdoor: 31,965; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
East Expansion: Demolition	Excavators	3	8.00	158	0.38
East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
East Expansion: Construction	Cranes	1	7.00	231	0.29
East Expansion: Construction	Forklifts	3	8.00	89	0.20
East Expansion: Construction	Generator Sets	1	8.00	84	0.74
East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
East Expansion: Construction	Welders	1	8.00	46	0.45
East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
West Expansion: Demolition	Excavators	3	8.00	158	0.38
West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
West Expansion: Construction	Cranes	1	7.00	231	0.29
West Expansion: Construction	Forklifts	3	8.00	89	0.20
West Expansion: Construction	Generator Sets	1	8.00	84	0.74
West Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
West Expansion: Construction	Welders	1	8.00	46	0.45
West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 East Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	1.6280	1.7949	3.4229	0.2465	1.6697	1.9162		3,816.8994	3,816.8994	1.0618		3,843.4451

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.2 East Expansion: Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0628	2.1575	0.5312	5.7700e-003	0.1253	9.2800e-003	0.1346	0.0343	8.8800e-003	0.0432		617.5490	617.5490	0.0358		618.4447
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1331	2.1961	1.0728	7.0000e-003	0.2394	0.0101	0.2495	0.0646	9.6300e-003	0.0742		740.3452	740.3452	0.0397		741.3375

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	1.6280	1.7949	3.4229	0.2465	1.6697	1.9162	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.2 East Expansion: Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0628	2.1575	0.5312	5.7700e-003	0.1253	9.2800e-003	0.1346	0.0343	8.8800e-003	0.0432		617.5490	617.5490	0.0358		618.4447
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1331	2.1961	1.0728	7.0000e-003	0.2394	0.0101	0.2495	0.0646	9.6300e-003	0.0742		740.3452	740.3452	0.0397		741.3375

3.3 Early Utility Work and Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298		3,766.4529	3,766.4529	1.1917		3,796.2445

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.3 Early Utility Work and Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0463	0.6499	1.4800e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		147.3555	147.3555	4.6400e-003		147.4714
Total	0.0843	0.0463	0.6499	1.4800e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		147.3555	147.3555	4.6400e-003		147.4714

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.3 Early Utility Work and Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0463	0.6499	1.4800e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		147.3555	147.3555	4.6400e-003		147.4714
Total	0.0843	0.0463	0.6499	1.4800e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		147.3555	147.3555	4.6400e-003		147.4714

3.4 East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.4 East Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.1978	0.3576	2.5100e-003	0.0602	8.6400e-003	0.0688	0.0173	8.2700e-003	0.0256		265.2509	265.2509	0.0159		265.6494
Worker	0.1265	0.0695	0.9749	2.2200e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		221.0333	221.0333	6.9600e-003		221.2072
Total	0.1738	1.2673	1.3325	4.7300e-003	0.2656	0.0101	0.2757	0.0718	9.6200e-003	0.0814		486.2842	486.2842	0.0229		486.8566

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.4 East Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.1978	0.3576	2.5100e-003	0.0602	8.6400e-003	0.0688	0.0173	8.2700e-003	0.0256		265.2509	265.2509	0.0159		265.6494
Worker	0.1265	0.0695	0.9749	2.2200e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		221.0333	221.0333	6.9600e-003		221.2072
Total	0.1738	1.2673	1.3325	4.7300e-003	0.2656	0.0101	0.2757	0.0718	9.6200e-003	0.0814		486.2842	486.2842	0.0229		486.8566

3.5 West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3992	0.0000	2.3992	0.3633	0.0000	0.3633			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.3992	1.7949	4.1941	0.3633	1.6697	2.0329		3,816.8994	3,816.8994	1.0618		3,843.4451

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.5 West Expansion: Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0926	3.1830	0.7837	8.5100e-003	0.1848	0.0137	0.1985	0.0506	0.0131	0.0637		911.0753	911.0753	0.0529		912.3967
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1629	3.2216	1.3253	9.7400e-003	0.2989	0.0145	0.3135	0.0809	0.0139	0.0947		1,033.8716	1,033.8716	0.0567		1,035.2896

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3992	0.0000	2.3992	0.3633	0.0000	0.3633			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.3992	1.7949	4.1941	0.3633	1.6697	2.0329	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.5 West Expansion: Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0926	3.1830	0.7837	8.5100e-003	0.1848	0.0137	0.1985	0.0506	0.0131	0.0637		911.0753	911.0753	0.0529		912.3967
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1629	3.2216	1.3253	9.7400e-003	0.2989	0.0145	0.3135	0.0809	0.0139	0.0947		1,033.8716	1,033.8716	0.0567		1,035.2896

3.6 West Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.6 West Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.1978	0.3576	2.5100e-003	0.0602	8.6400e-003	0.0688	0.0173	8.2700e-003	0.0256		265.2509	265.2509	0.0159		265.6494
Worker	0.1265	0.0695	0.9749	2.2200e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		221.0333	221.0333	6.9600e-003		221.2072
Total	0.1738	1.2673	1.3325	4.7300e-003	0.2656	0.0101	0.2757	0.0718	9.6200e-003	0.0814		486.2842	486.2842	0.0229		486.8566

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.6 West Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.1978	0.3576	2.5100e-003	0.0602	8.6400e-003	0.0688	0.0173	8.2700e-003	0.0256		265.2509	265.2509	0.0159		265.6494
Worker	0.1265	0.0695	0.9749	2.2200e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		221.0333	221.0333	6.9600e-003		221.2072
Total	0.1738	1.2673	1.3325	4.7300e-003	0.2656	0.0101	0.2757	0.0718	9.6200e-003	0.0814		486.2842	486.2842	0.0229		486.8566

3.6 West Expansion: Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.6 West Expansion: Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0377	1.0980	0.2951	2.4900e-003	0.0602	5.7200e-003	0.0659	0.0173	5.4800e-003	0.0228		263.6554	263.6554	0.0149		264.0289
Worker	0.1164	0.0618	0.8816	2.1500e-003	0.2054	1.4300e-003	0.2068	0.0545	1.3200e-003	0.0558		214.2485	214.2485	6.1400e-003		214.4020
Total	0.1541	1.1598	1.1767	4.6400e-003	0.2656	7.1500e-003	0.2727	0.0718	6.8000e-003	0.0786		477.9039	477.9039	0.0211		478.4309

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.6 West Expansion: Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0377	1.0980	0.2951	2.4900e-003	0.0602	5.7200e-003	0.0659	0.0173	5.4800e-003	0.0228		263.6554	263.6554	0.0149		264.0289
Worker	0.1164	0.0618	0.8816	2.1500e-003	0.2054	1.4300e-003	0.2068	0.0545	1.3200e-003	0.0558		214.2485	214.2485	6.1400e-003		214.4020
Total	0.1541	1.1598	1.1767	4.6400e-003	0.2656	7.1500e-003	0.2727	0.0718	6.8000e-003	0.0786		477.9039	477.9039	0.0211		478.4309

3.6 West Expansion: Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.6 West Expansion: Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0309	1.0044	0.2565	2.4700e-003	0.0602	2.7500e-003	0.0629	0.0173	2.6300e-003	0.0200		261.4779	261.4779	0.0143		261.8352
Worker	0.1082	0.0554	0.8077	2.0800e-003	0.2054	1.3900e-003	0.2068	0.0545	1.2800e-003	0.0558		206.9493	206.9493	5.5100e-003		207.0870
Total	0.1391	1.0598	1.0642	4.5500e-003	0.2656	4.1400e-003	0.2697	0.0718	3.9100e-003	0.0757		468.4273	468.4273	0.0198		468.9222

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.6 West Expansion: Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0309	1.0044	0.2565	2.4700e-003	0.0602	2.7500e-003	0.0629	0.0173	2.6300e-003	0.0200		261.4779	261.4779	0.0143		261.8352
Worker	0.1082	0.0554	0.8077	2.0800e-003	0.2054	1.3900e-003	0.2068	0.0545	1.2800e-003	0.0558		206.9493	206.9493	5.5100e-003		207.0870
Total	0.1391	1.0598	1.0642	4.5500e-003	0.2656	4.1400e-003	0.2697	0.0718	3.9100e-003	0.0757		468.4273	468.4273	0.0198		468.9222

3.7 East Expansion: Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	29.8980	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.7 East Expansion: Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0234	0.0129	0.1805	4.1000e-004	0.0380	2.7000e-004	0.0383	0.0101	2.5000e-004	0.0103		40.9321	40.9321	1.2900e-003		40.9643
Total	0.0234	0.0129	0.1805	4.1000e-004	0.0380	2.7000e-004	0.0383	0.0101	2.5000e-004	0.0103		40.9321	40.9321	1.2900e-003		40.9643

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	29.8980	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.7 East Expansion: Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0234	0.0129	0.1805	4.1000e-004	0.0380	2.7000e-004	0.0383	0.0101	2.5000e-004	0.0103		40.9321	40.9321	1.2900e-003		40.9643
Total	0.0234	0.0129	0.1805	4.1000e-004	0.0380	2.7000e-004	0.0383	0.0101	2.5000e-004	0.0103		40.9321	40.9321	1.2900e-003		40.9643

3.8 West Expansion: Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	29.8505	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.8 West Expansion: Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0200	0.0103	0.1496	3.8000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		38.3240	38.3240	1.0200e-003		38.3495
Total	0.0200	0.0103	0.1496	3.8000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		38.3240	38.3240	1.0200e-003		38.3495

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	29.8505	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.8 West Expansion: Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0200	0.0103	0.1496	3.8000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		38.3240	38.3240	1.0200e-003		38.3495
Total	0.0200	0.0103	0.1496	3.8000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		38.3240	38.3240	1.0200e-003		38.3495

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.0846	26.0732	91.5676	0.2639	21.0331	0.2584	21.2915	5.6250	0.2430	5.8680		26,675.1956	26,675.1956	1.2550		26,706.5694
Unmitigated	7.0846	26.0732	91.5676	0.2639	21.0331	0.2584	21.2915	5.6250	0.2430	5.8680		26,675.1956	26,675.1956	1.2550		26,706.5694

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	2,612.18	2,612.18	2612.18	9,910,285	9,910,285
Total	2,612.18	2,612.18	2,612.18	9,910,285	9,910,285

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	27.00	13.50	17.55	0.00	81.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
NaturalGas Unmitigated	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Total		0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Total		0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2000e-004	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2000e-004	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

7.0 Water Detail

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
----------------	--------

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531

11.0 Vegetation

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction)
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Arena	63.93	1000sqft	6.52	63,930.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

Project Characteristics -

Land Use - "Arena" land-use used as surrogate for Convention Center land-use. Lot acreage equal to entire lot.

Construction Phase - Construction schedule based on project-specific estimates.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rate based on traffic report.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	230.00	435.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	10.00	109.00
tblConstructionPhase	PhaseEndDate	1/11/2021	12/16/2019
tblConstructionPhase	PhaseEndDate	2/8/2021	3/31/2021
tblConstructionPhase	PhaseEndDate	1/27/2020	12/16/2019
tblConstructionPhase	PhaseEndDate	12/14/2020	3/31/2021

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

tblConstructionPhase	PhaseEndDate	1/28/2019	1/14/2019
tblConstructionPhase	PhaseEndDate	2/25/2019	9/13/2019
tblConstructionPhase	PhaseEndDate	3/11/2019	5/31/2019
tblConstructionPhase	PhaseStartDate	12/15/2020	11/19/2019
tblConstructionPhase	PhaseStartDate	1/12/2021	3/4/2021
tblConstructionPhase	PhaseStartDate	3/12/2019	1/1/2019
tblConstructionPhase	PhaseStartDate	1/28/2020	8/1/2019
tblConstructionPhase	PhaseStartDate	1/29/2019	7/15/2019
tblConstructionPhase	PhaseStartDate	2/26/2019	1/1/2019
tblEnergyUse	LightingElect	4.57	4.72
tblEnergyUse	T24E	3.41	3.58
tblEnergyUse	T24NG	23.39	23.50
tblLandUse	LotAcreage	20.55	6.52
tblStationaryBoilersUse	AnnualHeatInput	0.00	43,800.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	5.00
tblStationaryBoilersUse	DailyHeatInput	0.00	120.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.00	13.50
tblVehicleTrips	CNW_TL	6.50	17.55
tblVehicleTrips	CW_TL	10.00	27.00
tblVehicleTrips	ST_TR	10.71	40.86
tblVehicleTrips	SU_TR	10.71	40.86
tblVehicleTrips	WD_TR	10.71	40.86

2.0 Emissions Summary

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	34.9743	106.1025	64.1272	0.1162	20.3361	5.4968	25.8330	10.3499	5.1022	15.4520	0.0000	11,473.1876	11,473.1876	2.9534	0.0000	11,547.0217
2020	2.2667	20.3829	17.9428	0.0312	0.2656	1.1244	1.3900	0.0718	1.0573	1.1291	0.0000	2,998.1353	2,998.1353	0.6444	0.0000	3,014.2461
2021	31.9022	20.0610	19.5067	0.0345	0.3036	1.0573	1.3609	0.0819	0.9997	1.0816	0.0000	3,304.9766	3,304.9766	0.6565	0.0000	3,321.3902
Maximum	34.9743	106.1025	64.1272	0.1162	20.3361	5.4968	25.8330	10.3499	5.1022	15.4520	0.0000	11,473.1876	11,473.1876	2.9534	0.0000	11,547.0217

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	34.9743	106.1025	64.1272	0.1162	20.3361	5.4968	25.8330	10.3499	5.1022	15.4520	0.0000	11,473.1876	11,473.1876	2.9534	0.0000	11,547.0217
2020	2.2667	20.3829	17.9428	0.0312	0.2656	1.1244	1.3900	0.0718	1.0573	1.1291	0.0000	2,998.1353	2,998.1353	0.6444	0.0000	3,014.2461
2021	31.9022	20.0610	19.5067	0.0345	0.3036	1.0573	1.3609	0.0819	0.9997	1.0816	0.0000	3,304.9766	3,304.9766	0.6565	0.0000	3,321.3902
Maximum	34.9743	106.1025	64.1272	0.1162	20.3361	5.4968	25.8330	10.3499	5.1022	15.4520	0.0000	11,473.1876	11,473.1876	2.9534	0.0000	11,547.0217

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Mobile	5.5575	28.4615	81.6036	0.2378	21.0331	0.2606	21.2937	5.6250	0.2451	5.8701		24,071.4164	24,071.4164	1.2173		24,101.8496
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	7.8035	30.3984	93.6579	0.3121	21.0331	1.2016	22.2347	5.6250	1.1861	6.8111		38,929.4849	38,929.4849	1.5022	0.0136	38,971.0823

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Mobile	5.5575	28.4615	81.6036	0.2378	21.0331	0.2606	21.2937	5.6250	0.2451	5.8701		24,071.4164	24,071.4164	1.2173		24,101.8496
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	7.8035	30.3984	93.6579	0.3121	21.0331	1.2016	22.2347	5.6250	1.1861	6.8111		38,929.4849	38,929.4849	1.5022	0.0136	38,971.0823

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	East Expansion: Demolition	Demolition	1/1/2019	1/14/2019	5	10	
2	Early Utility Work and Site Preparation	Site Preparation	1/1/2019	5/31/2019	5	109	
3	East Expansion: Construction	Building Construction	1/1/2019	12/16/2019	5	250	
4	West Expansion: Demolition	Demolition	7/15/2019	9/13/2019	5	45	
5	West Expansion: Construction	Building Construction	8/1/2019	3/31/2021	5	435	
6	East Expansion: Architectural Coating	Architectural Coating	11/19/2019	12/16/2019	5	20	
7	West Expansion: Architectural Coating	Architectural Coating	3/4/2021	3/31/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,895; Non-Residential Outdoor: 31,965; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
East Expansion: Demolition	Excavators	3	8.00	158	0.38
East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
East Expansion: Construction	Cranes	1	7.00	231	0.29
East Expansion: Construction	Forklifts	3	8.00	89	0.20
East Expansion: Construction	Generator Sets	1	8.00	84	0.74
East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
East Expansion: Construction	Welders	1	8.00	46	0.45
East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
West Expansion: Demolition	Excavators	3	8.00	158	0.38
West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
West Expansion: Construction	Cranes	1	7.00	231	0.29
West Expansion: Construction	Forklifts	3	8.00	89	0.20
West Expansion: Construction	Generator Sets	1	8.00	84	0.74
West Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
West Expansion: Construction	Welders	1	8.00	46	0.45
West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 East Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	1.6280	1.7949	3.4229	0.2465	1.6697	1.9162		3,816.8994	3,816.8994	1.0618		3,843.4451

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.2 East Expansion: Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0650	2.2500	0.5698	5.6800e-003	0.1253	9.5800e-003	0.1349	0.0343	9.1600e-003	0.0435		608.2693	608.2693	0.0376		609.2085
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1297	2.2978	1.0357	6.7600e-003	0.2394	0.0104	0.2498	0.0646	9.9100e-003	0.0745		716.1193	716.1193	0.0410		717.1441

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	1.6280	1.7949	3.4229	0.2465	1.6697	1.9162	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.2 East Expansion: Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0650	2.2500	0.5698	5.6800e-003	0.1253	9.5800e-003	0.1349	0.0343	9.1600e-003	0.0435		608.2693	608.2693	0.0376		609.2085
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1297	2.2978	1.0357	6.7600e-003	0.2394	0.0104	0.2498	0.0646	9.9100e-003	0.0745		716.1193	716.1193	0.0410		717.1441

3.3 Early Utility Work and Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298		3,766.4529	3,766.4529	1.1917		3,796.2445

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.3 Early Utility Work and Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0776	0.0573	0.5591	1.3000e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		129.4200	129.4200	4.1100e-003		129.5227
Total	0.0776	0.0573	0.5591	1.3000e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		129.4200	129.4200	4.1100e-003		129.5227

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.3 Early Utility Work and Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0776	0.0573	0.5591	1.3000e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		129.4200	129.4200	4.1100e-003		129.5227
Total	0.0776	0.0573	0.5591	1.3000e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		129.4200	129.4200	4.1100e-003		129.5227

3.4 East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.4 East Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.2271	0.4068	2.4500e-003	0.0602	8.8800e-003	0.0691	0.0173	8.4900e-003	0.0258		258.5858	258.5858	0.0173		259.0176
Worker	0.1165	0.0859	0.8387	1.9500e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		194.1300	194.1300	6.1600e-003		194.2841
Total	0.1662	1.3130	1.2456	4.4000e-003	0.2656	0.0103	0.2759	0.0718	9.8400e-003	0.0816		452.7158	452.7158	0.0234		453.3017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.4 East Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.2271	0.4068	2.4500e-003	0.0602	8.8800e-003	0.0691	0.0173	8.4900e-003	0.0258		258.5858	258.5858	0.0173		259.0176
Worker	0.1165	0.0859	0.8387	1.9500e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		194.1300	194.1300	6.1600e-003		194.2841
Total	0.1662	1.3130	1.2456	4.4000e-003	0.2656	0.0103	0.2759	0.0718	9.8400e-003	0.0816		452.7158	452.7158	0.0234		453.3017

3.5 West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3992	0.0000	2.3992	0.3633	0.0000	0.3633			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.3992	1.7949	4.1941	0.3633	1.6697	2.0329		3,816.8994	3,816.8994	1.0618		3,843.4451

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.5 West Expansion: Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0959	3.3195	0.8406	8.3800e-003	0.1848	0.0141	0.1990	0.0506	0.0135	0.0641		897.3850	897.3850	0.0554		898.7706
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1606	3.3672	1.3065	9.4600e-003	0.2989	0.0149	0.3139	0.0809	0.0143	0.0951		1,005.2350	1,005.2350	0.0589		1,006.7062

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3992	0.0000	2.3992	0.3633	0.0000	0.3633			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	2.3992	1.7949	4.1941	0.3633	1.6697	2.0329	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.5 West Expansion: Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0959	3.3195	0.8406	8.3800e-003	0.1848	0.0141	0.1990	0.0506	0.0135	0.0641		897.3850	897.3850	0.0554		898.7706
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1606	3.3672	1.3065	9.4600e-003	0.2989	0.0149	0.3139	0.0809	0.0143	0.0951		1,005.2350	1,005.2350	0.0589		1,006.7062

3.6 West Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.6 West Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.2271	0.4068	2.4500e-003	0.0602	8.8800e-003	0.0691	0.0173	8.4900e-003	0.0258		258.5858	258.5858	0.0173		259.0176
Worker	0.1165	0.0859	0.8387	1.9500e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		194.1300	194.1300	6.1600e-003		194.2841
Total	0.1662	1.3130	1.2456	4.4000e-003	0.2656	0.0103	0.2759	0.0718	9.8400e-003	0.0816		452.7158	452.7158	0.0234		453.3017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.6 West Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.2271	0.4068	2.4500e-003	0.0602	8.8800e-003	0.0691	0.0173	8.4900e-003	0.0258		258.5858	258.5858	0.0173		259.0176
Worker	0.1165	0.0859	0.8387	1.9500e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		194.1300	194.1300	6.1600e-003		194.2841
Total	0.1662	1.3130	1.2456	4.4000e-003	0.2656	0.0103	0.2759	0.0718	9.8400e-003	0.0816		452.7158	452.7158	0.0234		453.3017

3.6 West Expansion: Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.6 West Expansion: Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0397	1.1205	0.3395	2.4300e-003	0.0602	5.9200e-003	0.0661	0.0173	5.6600e-003	0.0230		256.9123	256.9123	0.0162		257.3165
Worker	0.1071	0.0763	0.7548	1.8900e-003	0.2054	1.4300e-003	0.2068	0.0545	1.3200e-003	0.0558		188.1599	188.1599	5.4100e-003		188.2952
Total	0.1469	1.1968	1.0943	4.3200e-003	0.2656	7.3500e-003	0.2729	0.0718	6.9800e-003	0.0788		445.0722	445.0722	0.0216		445.6117

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.6 West Expansion: Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0397	1.1205	0.3395	2.4300e-003	0.0602	5.9200e-003	0.0661	0.0173	5.6600e-003	0.0230		256.9123	256.9123	0.0162		257.3165
Worker	0.1071	0.0763	0.7548	1.8900e-003	0.2054	1.4300e-003	0.2068	0.0545	1.3200e-003	0.0558		188.1599	188.1599	5.4100e-003		188.2952
Total	0.1469	1.1968	1.0943	4.3200e-003	0.2656	7.3500e-003	0.2729	0.0718	6.9800e-003	0.0788		445.0722	445.0722	0.0216		445.6117

3.6 West Expansion: Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.6 West Expansion: Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0327	1.0209	0.2975	2.4100e-003	0.0602	2.9300e-003	0.0631	0.0173	2.8000e-003	0.0201		254.7521	254.7521	0.0155		255.1390
Worker	0.0997	0.0684	0.6889	1.8300e-003	0.2054	1.3900e-003	0.2068	0.0545	1.2800e-003	0.0558		181.7544	181.7544	4.8400e-003		181.8754
Total	0.1324	1.0893	0.9864	4.2400e-003	0.2656	4.3200e-003	0.2699	0.0718	4.0800e-003	0.0759		436.5064	436.5064	0.0203		437.0144

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.6 West Expansion: Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0327	1.0209	0.2975	2.4100e-003	0.0602	2.9300e-003	0.0631	0.0173	2.8000e-003	0.0201		254.7521	254.7521	0.0155		255.1390
Worker	0.0997	0.0684	0.6889	1.8300e-003	0.2054	1.3900e-003	0.2068	0.0545	1.2800e-003	0.0558		181.7544	181.7544	4.8400e-003		181.8754
Total	0.1324	1.0893	0.9864	4.2400e-003	0.2656	4.3200e-003	0.2699	0.0718	4.0800e-003	0.0759		436.5064	436.5064	0.0203		437.0144

3.7 East Expansion: Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	29.8980	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.7 East Expansion: Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0216	0.0159	0.1553	3.6000e-004	0.0380	2.7000e-004	0.0383	0.0101	2.5000e-004	0.0103		35.9500	35.9500	1.1400e-003		35.9785
Total	0.0216	0.0159	0.1553	3.6000e-004	0.0380	2.7000e-004	0.0383	0.0101	2.5000e-004	0.0103		35.9500	35.9500	1.1400e-003		35.9785

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	29.8980	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.7 East Expansion: Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0216	0.0159	0.1553	3.6000e-004	0.0380	2.7000e-004	0.0383	0.0101	2.5000e-004	0.0103		35.9500	35.9500	1.1400e-003		35.9785
Total	0.0216	0.0159	0.1553	3.6000e-004	0.0380	2.7000e-004	0.0383	0.0101	2.5000e-004	0.0103		35.9500	35.9500	1.1400e-003		35.9785

3.8 West Expansion: Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	29.8505	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.8 West Expansion: Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0185	0.0127	0.1276	3.4000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		33.6582	33.6582	9.0000e-004		33.6806
Total	0.0185	0.0127	0.1276	3.4000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		33.6582	33.6582	9.0000e-004		33.6806

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	29.8505	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.8 West Expansion: Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0185	0.0127	0.1276	3.4000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		33.6582	33.6582	9.0000e-004		33.6806
Total	0.0185	0.0127	0.1276	3.4000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		33.6582	33.6582	9.0000e-004		33.6806

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.5575	28.4615	81.6036	0.2378	21.0331	0.2606	21.2937	5.6250	0.2451	5.8701		24,071.4164	24,071.4164	1.2173		24,101.8496
Unmitigated	5.5575	28.4615	81.6036	0.2378	21.0331	0.2606	21.2937	5.6250	0.2451	5.8701		24,071.4164	24,071.4164	1.2173		24,101.8496

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	2,612.18	2,612.18	2612.18	9,910,285	9,910,285
Total	2,612.18	2,612.18	2,612.18	9,910,285	9,910,285

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	27.00	13.50	17.55	0.00	81.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
NaturalGas Unmitigated	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Total		0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Total		0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2000e-004	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2000e-004	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

7.0 Water Detail

Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

7.1 Mitigation Measures Water**8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
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Sacramento Convention Center Renovation & Expansion (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531

11.0 Vegetation

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

Sacramento Convention Center Renovation & Expansion (Average Annual)
Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Arena	63.93	1000sqft	6.52	63,930.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

Project Characteristics -

Land Use - "Arena" land-use used as surrogate for Convention Center land-use. Lot acreage equal to entire lot.

Construction Phase - Construction schedule based on project-specific estimates.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rate based on traffic report.

Stationary Sources - Process Boilers -

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	280.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	100.00
tblLandUse	LotAcreage	20.55	6.52
tblProjectCharacteristics	OperationalYear	2018	2020
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.00	2.66
tblVehicleTrips	CNW_TL	6.50	3.46
tblVehicleTrips	CW_TL	10.00	5.32
tblVehicleTrips	ST_TR	10.71	21.59
tblVehicleTrips	SU_TR	10.71	21.59
tblVehicleTrips	WD_TR	10.71	21.59

2.0 Emissions Summary

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.4707	4.6895	2.6855	4.7500e-003	0.9922	0.2526	1.2448	0.5132	0.2345	0.7476	0.0000	430.8205	430.8205	0.1098	0.0000	433.5658
2019	0.3286	2.9209	2.3969	4.1000e-003	0.0335	0.1697	0.2032	9.0900e-003	0.1595	0.1686	0.0000	361.5376	361.5376	0.0774	0.0000	363.4733
2020	0.7672	1.5621	1.3826	2.4200e-003	0.0200	0.0866	0.1065	5.4200e-003	0.0815	0.0869	0.0000	210.3881	210.3881	0.0442	0.0000	211.4935
Maximum	0.7672	4.6895	2.6855	4.7500e-003	0.9922	0.2526	1.2448	0.5132	0.2345	0.7476	0.0000	430.8205	430.8205	0.1098	0.0000	433.5658

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.4707	4.6895	2.6855	4.7500e-003	0.9922	0.2526	1.2448	0.5132	0.2345	0.7476	0.0000	430.8201	430.8201	0.1098	0.0000	433.5653
2019	0.3286	2.9209	2.3969	4.1000e-003	0.0335	0.1697	0.2032	9.0900e-003	0.1595	0.1686	0.0000	361.5373	361.5373	0.0774	0.0000	363.4729
2020	0.7672	1.5621	1.3825	2.4200e-003	0.0200	0.0865	0.1065	5.4200e-003	0.0815	0.0869	0.0000	210.3879	210.3879	0.0442	0.0000	211.4933
Maximum	0.7672	4.6895	2.6855	4.7500e-003	0.9922	0.2526	1.2448	0.5132	0.2345	0.7476	0.0000	430.8201	430.8201	0.1098	0.0000	433.5653

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-17-2018	4-16-2018	1.5264	1.5264
2	4-17-2018	7-16-2018	1.7195	1.7195
3	7-17-2018	10-16-2018	0.5480	0.5480
11	7-17-2020	9-30-2020	0.6318	0.6318
		Highest	1.7195	1.7195

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Energy	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	387.8703	387.8703	0.0154	4.9400e-003	389.7281
Mobile	0.3539	1.1628	2.6264	5.3600e-003	0.3860	6.4500e-003	0.3924	0.1035	6.0500e-003	0.1096	0.0000	492.2445	492.2445	0.0333	0.0000	493.0757
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3741	2,337.3741	0.0448	0.0000	2,338.4941
Waste						0.0000	0.0000		0.0000	0.0000	0.3573	0.0000	0.3573	0.0211	0.0000	0.8851
Water						0.0000	0.0000		0.0000	0.0000	9.7434	38.3885	48.1319	0.0354	0.0216	55.4479
Total	0.7638	1.5163	4.8260	0.0189	0.3860	0.1782	0.5641	0.1035	0.1778	0.2813	10.1007	3,255.8790	3,265.9797	0.1500	0.0265	3,277.6326

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Energy	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	387.8703	387.8703	0.0154	4.9400e-003	389.7281
Mobile	0.3539	1.1628	2.6264	5.3600e-003	0.3860	6.4500e-003	0.3924	0.1035	6.0500e-003	0.1096	0.0000	492.2445	492.2445	0.0333	0.0000	493.0757
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3741	2,337.3741	0.0448	0.0000	2,338.4941
Waste						0.0000	0.0000		0.0000	0.0000	0.3573	0.0000	0.3573	0.0211	0.0000	0.8851
Water						0.0000	0.0000		0.0000	0.0000	9.7434	38.3885	48.1319	0.0354	0.0216	55.4479
Total	0.7638	1.5163	4.8260	0.0189	0.3860	0.1782	0.5641	0.1035	0.1778	0.2813	10.1007	3,255.8790	3,265.9797	0.1500	0.0265	3,277.6326

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	East Expansion: Demolition	Demolition	1/17/2018	1/30/2018	5	10	
2	West Expansion: Demolition	Demolition	1/31/2018	3/27/2018	5	40	
3	Early Utility Work and Site Preparation	Site Preparation	3/28/2018	8/14/2018	5	100	
4	East Expansion: Construction	Building Construction	8/15/2018	7/2/2019	5	230	
5	West Expansion: Construction	Building Construction	7/3/2019	7/28/2020	5	280	
6	East Expansion: Architectural Coating	Architectural Coating	7/29/2020	8/25/2020	5	20	
7	West Expansion: Architectural Coating	Architectural Coating	8/26/2020	9/22/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,895; Non-Residential Outdoor: 31,965; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
East Expansion: Demolition	Excavators	3	8.00	158	0.38
East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
East Expansion: Construction	Cranes	1	7.00	231	0.29
East Expansion: Construction	Forklifts	3	8.00	89	0.20
East Expansion: Construction	Generator Sets	1	8.00	84	0.74
East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
East Expansion: Construction	Welders	1	8.00	46	0.45
East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
West Expansion: Demolition	Excavators	3	8.00	158	0.38
West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
West Expansion: Construction	Cranes	1	7.00	231	0.29
West Expansion: Construction	Forklifts	3	8.00	89	0.20
West Expansion: Construction	Generator Sets	1	8.00	84	0.74
West Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
West Expansion: Construction	Welders	1	8.00	46	0.45
West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1400e-003	0.0000	8.1400e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	8.1400e-003	9.6900e-003	0.0178	1.2300e-003	9.0200e-003	0.0103	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

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3.2 East Expansion: Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0119	3.0100e-003	3.0000e-005	6.1000e-004	5.0000e-005	6.6000e-004	1.7000e-004	5.0000e-005	2.2000e-004	0.0000	2.8143	2.8143	1.7000e-004	0.0000	2.8185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	6.8000e-004	0.0122	5.5800e-003	4.0000e-005	1.1600e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	3.3355	3.3355	1.9000e-004	0.0000	3.3402

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1400e-003	0.0000	8.1400e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	8.1400e-003	9.6900e-003	0.0178	1.2300e-003	9.0200e-003	0.0103	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

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3.2 East Expansion: Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0119	3.0100e-003	3.0000e-005	6.1000e-004	5.0000e-005	6.6000e-004	1.7000e-004	5.0000e-005	2.2000e-004	0.0000	2.8143	2.8143	1.7000e-004	0.0000	2.8185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	6.8000e-004	0.0122	5.5800e-003	4.0000e-005	1.1600e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	3.3355	3.3355	1.9000e-004	0.0000	3.3402

3.3 West Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0540	0.0000	0.0540	8.1700e-003	0.0000	8.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0744	0.7665	0.4461	7.8000e-004		0.0388	0.0388		0.0361	0.0361	0.0000	70.2482	70.2482	0.0194	0.0000	70.7320
Total	0.0744	0.7665	0.4461	7.8000e-004	0.0540	0.0388	0.0928	8.1700e-003	0.0361	0.0443	0.0000	70.2482	70.2482	0.0194	0.0000	70.7320

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3.3 West Expansion: Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2900e-003	0.0791	0.0200	1.9000e-004	4.0300e-003	3.5000e-004	4.3800e-003	1.1100e-003	3.3000e-004	1.4400e-003	0.0000	18.6838	18.6838	1.1200e-003	0.0000	18.7118
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3400e-003	9.7000e-004	0.0103	2.0000e-005	2.2000e-003	2.0000e-005	2.2200e-003	5.9000e-004	2.0000e-005	6.0000e-004	0.0000	2.0850	2.0850	7.0000e-005	0.0000	2.0867
Total	3.6300e-003	0.0801	0.0303	2.1000e-004	6.2300e-003	3.7000e-004	6.6000e-003	1.7000e-003	3.5000e-004	2.0400e-003	0.0000	20.7688	20.7688	1.1900e-003	0.0000	20.7986

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0540	0.0000	0.0540	8.1700e-003	0.0000	8.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0744	0.7665	0.4461	7.8000e-004		0.0388	0.0388		0.0361	0.0361	0.0000	70.2481	70.2481	0.0194	0.0000	70.7319
Total	0.0744	0.7665	0.4461	7.8000e-004	0.0540	0.0388	0.0928	8.1700e-003	0.0361	0.0443	0.0000	70.2481	70.2481	0.0194	0.0000	70.7319

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3.3 West Expansion: Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2900e-003	0.0791	0.0200	1.9000e-004	4.0300e-003	3.5000e-004	4.3800e-003	1.1100e-003	3.3000e-004	1.4400e-003	0.0000	18.6838	18.6838	1.1200e-003	0.0000	18.7118
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3400e-003	9.7000e-004	0.0103	2.0000e-005	2.2000e-003	2.0000e-005	2.2200e-003	5.9000e-004	2.0000e-005	6.0000e-004	0.0000	2.0850	2.0850	7.0000e-005	0.0000	2.0867
Total	3.6300e-003	0.0801	0.0303	2.1000e-004	6.2300e-003	3.7000e-004	6.6000e-003	1.7000e-003	3.5000e-004	2.0400e-003	0.0000	20.7688	20.7688	1.1900e-003	0.0000	20.7986

3.4 Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9033	0.0000	0.9033	0.4965	0.0000	0.4965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2281	2.4099	1.1238	1.9000e-003		0.1289	0.1289		0.1185	0.1185	0.0000	173.7995	173.7995	0.0541	0.0000	175.1522
Total	0.2281	2.4099	1.1238	1.9000e-003	0.9033	0.1289	1.0322	0.4965	0.1185	0.6151	0.0000	173.7995	173.7995	0.0541	0.0000	175.1522

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3.4 Early Utility Work and Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0100e-003	2.9100e-003	0.0309	7.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	6.2549	6.2549	2.1000e-004	0.0000	6.2602
Total	4.0100e-003	2.9100e-003	0.0309	7.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	6.2549	6.2549	2.1000e-004	0.0000	6.2602

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9033	0.0000	0.9033	0.4965	0.0000	0.4965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2281	2.4099	1.1238	1.9000e-003		0.1289	0.1289		0.1185	0.1185	0.0000	173.7993	173.7993	0.0541	0.0000	175.1520
Total	0.2281	2.4099	1.1238	1.9000e-003	0.9033	0.1289	1.0322	0.4965	0.1185	0.6151	0.0000	173.7993	173.7993	0.0541	0.0000	175.1520

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3.4 Early Utility Work and Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0100e-003	2.9100e-003	0.0309	7.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	6.2549	6.2549	2.1000e-004	0.0000	6.2602
Total	4.0100e-003	2.9100e-003	0.0309	7.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	6.2549	6.2549	2.1000e-004	0.0000	6.2602

3.5 East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1326	1.1578	0.8702	1.3300e-003		0.0742	0.0742		0.0698	0.0698	0.0000	117.6948	117.6948	0.0288	0.0000	118.4157
Total	0.1326	1.1578	0.8702	1.3300e-003		0.0742	0.0742		0.0698	0.0698	0.0000	117.6948	117.6948	0.0288	0.0000	118.4157

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3.5 East Expansion: Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6900e-003	0.0643	0.0213	1.2000e-004	2.9000e-003	5.1000e-004	3.4000e-003	8.4000e-004	4.8000e-004	1.3200e-003	0.0000	11.8684	11.8684	7.7000e-004	0.0000	11.8876
Worker	5.9500e-003	4.3200e-003	0.0458	1.0000e-004	9.8200e-003	7.0000e-005	9.8900e-003	2.6100e-003	7.0000e-005	2.6800e-003	0.0000	9.2885	9.2885	3.2000e-004	0.0000	9.2964
Total	8.6400e-003	0.0686	0.0671	2.2000e-004	0.0127	5.8000e-004	0.0133	3.4500e-003	5.5000e-004	4.0000e-003	0.0000	21.1569	21.1569	1.0900e-003	0.0000	21.1840

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1326	1.1578	0.8702	1.3300e-003		0.0742	0.0742		0.0698	0.0698	0.0000	117.6946	117.6946	0.0288	0.0000	118.4155
Total	0.1326	1.1578	0.8702	1.3300e-003		0.0742	0.0742		0.0698	0.0698	0.0000	117.6946	117.6946	0.0288	0.0000	118.4155

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3.5 East Expansion: Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6900e-003	0.0643	0.0213	1.2000e-004	2.9000e-003	5.1000e-004	3.4000e-003	8.4000e-004	4.8000e-004	1.3200e-003	0.0000	11.8684	11.8684	7.7000e-004	0.0000	11.8876
Worker	5.9500e-003	4.3200e-003	0.0458	1.0000e-004	9.8200e-003	7.0000e-005	9.8900e-003	2.6100e-003	7.0000e-005	2.6800e-003	0.0000	9.2885	9.2885	3.2000e-004	0.0000	9.2964
Total	8.6400e-003	0.0686	0.0671	2.2000e-004	0.0127	5.8000e-004	0.0133	3.4500e-003	5.5000e-004	4.0000e-003	0.0000	21.1569	21.1569	1.0900e-003	0.0000	21.1840

3.5 East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1547	1.3807	1.1242	1.7600e-003		0.0845	0.0845		0.0794	0.0794	0.0000	153.9933	153.9933	0.0375	0.0000	154.9311
Total	0.1547	1.3807	1.1242	1.7600e-003		0.0845	0.0845		0.0794	0.0794	0.0000	153.9933	153.9933	0.0375	0.0000	154.9311

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3.5 East Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1400e-003	0.0804	0.0246	1.6000e-004	3.8300e-003	5.7000e-004	4.4000e-003	1.1100e-003	5.5000e-004	1.6500e-003	0.0000	15.5949	15.5949	9.8000e-004	0.0000	15.6194
Worker	7.1500e-003	5.0200e-003	0.0543	1.3000e-004	0.0130	1.0000e-004	0.0131	3.4500e-003	9.0000e-005	3.5400e-003	0.0000	11.8733	11.8733	3.7000e-004	0.0000	11.8825
Total	0.0103	0.0854	0.0788	2.9000e-004	0.0168	6.7000e-004	0.0175	4.5600e-003	6.4000e-004	5.1900e-003	0.0000	27.4682	27.4682	1.3500e-003	0.0000	27.5019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1547	1.3807	1.1242	1.7600e-003		0.0845	0.0845		0.0794	0.0794	0.0000	153.9931	153.9931	0.0375	0.0000	154.9309
Total	0.1547	1.3807	1.1242	1.7600e-003		0.0845	0.0845		0.0794	0.0794	0.0000	153.9931	153.9931	0.0375	0.0000	154.9309

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3.5 East Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1400e-003	0.0804	0.0246	1.6000e-004	3.8300e-003	5.7000e-004	4.4000e-003	1.1100e-003	5.5000e-004	1.6500e-003	0.0000	15.5949	15.5949	9.8000e-004	0.0000	15.6194
Worker	7.1500e-003	5.0200e-003	0.0543	1.3000e-004	0.0130	1.0000e-004	0.0131	3.4500e-003	9.0000e-005	3.5400e-003	0.0000	11.8733	11.8733	3.7000e-004	0.0000	11.8825
Total	0.0103	0.0854	0.0788	2.9000e-004	0.0168	6.7000e-004	0.0175	4.5600e-003	6.4000e-004	5.1900e-003	0.0000	27.4682	27.4682	1.3500e-003	0.0000	27.5019

3.6 West Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1535	1.3701	1.1157	1.7500e-003		0.0838	0.0838		0.0788	0.0788	0.0000	152.8177	152.8177	0.0372	0.0000	153.7484
Total	0.1535	1.3701	1.1157	1.7500e-003		0.0838	0.0838		0.0788	0.0788	0.0000	152.8177	152.8177	0.0372	0.0000	153.7484

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3.6 West Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1200e-003	0.0797	0.0244	1.6000e-004	3.8000e-003	5.7000e-004	4.3700e-003	1.1000e-003	5.4000e-004	1.6400e-003	0.0000	15.4759	15.4759	9.7000e-004	0.0000	15.5001
Worker	7.1000e-003	4.9900e-003	0.0539	1.3000e-004	0.0129	1.0000e-004	0.0130	3.4300e-003	9.0000e-005	3.5200e-003	0.0000	11.7826	11.7826	3.7000e-004	0.0000	11.7918
Total	0.0102	0.0847	0.0782	2.9000e-004	0.0167	6.7000e-004	0.0174	4.5300e-003	6.3000e-004	5.1600e-003	0.0000	27.2585	27.2585	1.3400e-003	0.0000	27.2919

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1535	1.3701	1.1156	1.7500e-003		0.0838	0.0838		0.0788	0.0788	0.0000	152.8176	152.8176	0.0372	0.0000	153.7482
Total	0.1535	1.3701	1.1156	1.7500e-003		0.0838	0.0838		0.0788	0.0788	0.0000	152.8176	152.8176	0.0372	0.0000	153.7482

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3.6 West Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1200e-003	0.0797	0.0244	1.6000e-004	3.8000e-003	5.7000e-004	4.3700e-003	1.1000e-003	5.4000e-004	1.6400e-003	0.0000	15.4759	15.4759	9.7000e-004	0.0000	15.5001
Worker	7.1000e-003	4.9900e-003	0.0539	1.3000e-004	0.0129	1.0000e-004	0.0130	3.4300e-003	9.0000e-005	3.5200e-003	0.0000	11.7826	11.7826	3.7000e-004	0.0000	11.7918
Total	0.0102	0.0847	0.0782	2.9000e-004	0.0167	6.7000e-004	0.0174	4.5300e-003	6.3000e-004	5.1600e-003	0.0000	27.2585	27.2585	1.3400e-003	0.0000	27.2919

3.6 West Expansion: Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1590	1.4390	1.2636	2.0200e-003		0.0838	0.0838		0.0788	0.0788	0.0000	173.7075	173.7075	0.0424	0.0000	174.7670
Total	0.1590	1.4390	1.2636	2.0200e-003		0.0838	0.0838		0.0788	0.0788	0.0000	173.7075	173.7075	0.0424	0.0000	174.7670

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3.6 West Expansion: Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8700e-003	0.0841	0.0235	1.8000e-004	4.3900e-003	4.4000e-004	4.8200e-003	1.2700e-003	4.2000e-004	1.6800e-003	0.0000	17.7460	17.7460	1.0500e-003	0.0000	17.7723
Worker	7.5400e-003	5.1100e-003	0.0561	1.5000e-004	0.0149	1.1000e-004	0.0150	3.9600e-003	1.0000e-004	4.0500e-003	0.0000	13.1774	13.1774	3.7000e-004	0.0000	13.1867
Total	0.0104	0.0892	0.0795	3.3000e-004	0.0193	5.5000e-004	0.0198	5.2300e-003	5.2000e-004	5.7300e-003	0.0000	30.9234	30.9234	1.4200e-003	0.0000	30.9590

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1590	1.4390	1.2636	2.0200e-003		0.0838	0.0838		0.0788	0.0788	0.0000	173.7073	173.7073	0.0424	0.0000	174.7667
Total	0.1590	1.4390	1.2636	2.0200e-003		0.0838	0.0838		0.0788	0.0788	0.0000	173.7073	173.7073	0.0424	0.0000	174.7667

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3.6 West Expansion: Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8700e-003	0.0841	0.0235	1.8000e-004	4.3900e-003	4.4000e-004	4.8200e-003	1.2700e-003	4.2000e-004	1.6800e-003	0.0000	17.7460	17.7460	1.0500e-003	0.0000	17.7723
Worker	7.5400e-003	5.1100e-003	0.0561	1.5000e-004	0.0149	1.1000e-004	0.0150	3.9600e-003	1.0000e-004	4.0500e-003	0.0000	13.1774	13.1774	3.7000e-004	0.0000	13.1867
Total	0.0104	0.0892	0.0795	3.3000e-004	0.0193	5.5000e-004	0.0198	5.2300e-003	5.2000e-004	5.7300e-003	0.0000	30.9234	30.9234	1.4200e-003	0.0000	30.9590

3.7 East Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	0.2987	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

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3.7 East Expansion: Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256
Total	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	0.2987	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

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3.7 East Expansion: Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256
Total	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256

3.8 West Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	0.2987	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

3.8 West Expansion: Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256
Total	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2963					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	0.2987	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

3.8 West Expansion: Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256
Total	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3539	1.1628	2.6264	5.3600e-003	0.3860	6.4500e-003	0.3924	0.1035	6.0500e-003	0.1096	0.0000	492.2445	492.2445	0.0333	0.0000	493.0757
Unmitigated	0.3539	1.1628	2.6264	5.3600e-003	0.3860	6.4500e-003	0.3924	0.1035	6.0500e-003	0.1096	0.0000	492.2445	492.2445	0.0333	0.0000	493.0757

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	1,380.25	1,380.25	1380.25	1,034,343	1,034,343
Total	1,380.25	1,380.25	1,380.25	1,034,343	1,034,343

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	5.32	2.66	3.46	0.00	81.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	265.3275	265.3275	0.0130	2.7000e-003	266.4570
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	265.3275	265.3275	0.0130	2.7000e-003	266.4570
NaturalGas Mitigated	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
NaturalGas Unmitigated	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Total		0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Total		0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Total		265.3275	0.0130	2.7000e-003	266.4570

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Total		265.3275	0.0130	2.7000e-003	266.4570

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Unmitigated	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2497					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Total	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0296					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2497					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003
Total	0.2794	1.0000e-005	8.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5900e-003	1.5900e-003	0.0000	0.0000	1.6900e-003

7.0 Water Detail

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	48.1319	0.0354	0.0216	55.4479
Unmitigated	48.1319	0.0354	0.0216	55.4479

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Total		48.1319	0.0354	0.0216	55.4479

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Total		48.1319	0.0354	0.0216	55.4479

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.3573	0.0211	0.0000	0.8851
Unmitigated	0.3573	0.0211	0.0000	0.8851

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Total		0.3573	0.0211	0.0000	0.8851

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Total		0.3573	0.0211	0.0000	0.8851

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Boiler - CNG (5 - 75 MMBTU)	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.374 1	2,337.374 1	0.0448	0.0000	2,338.494 1
Total	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.374 1	2,337.374 1	0.0448	0.0000	2,338.494 1

11.0 Vegetation

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

Sacramento Convention Center Renovation & Expansion (Average Annual)
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Arena	63.93	1000sqft	6.52	63,930.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

Project Characteristics -

Land Use - "Arena" land-use used as surrogate for Convention Center land-use. Lot acreage equal to entire lot.

Construction Phase - Construction schedule based on project-specific estimates.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rate based on traffic report.

Stationary Sources - Process Boilers -

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	280.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	100.00
tblLandUse	LotAcreage	20.55	6.52
tblProjectCharacteristics	OperationalYear	2018	2020
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.00	2.66
tblVehicleTrips	CNW_TL	6.50	3.46
tblVehicleTrips	CW_TL	10.00	5.32
tblVehicleTrips	ST_TR	10.71	21.59
tblVehicleTrips	SU_TR	10.71	21.59
tblVehicleTrips	WD_TR	10.71	21.59

2.0 Emissions Summary

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6555	48.2514	23.8932	0.0498	18.2032	2.5779	20.7811	9.9670	2.3717	12.3387	0.0000	5,035.066 2	5,035.066 2	1.1981	0.0000	5,063.359 9
2019	2.5350	22.3461	18.4963	0.0316	0.2656	1.3000	1.5656	0.0718	1.2223	1.2941	0.0000	3,077.864 3	3,077.864 3	0.6542	0.0000	3,094.220 1
2020	29.8953	20.3459	18.0252	0.0316	0.2656	1.1242	1.3898	0.0718	1.0571	1.1289	0.0000	3,030.967 0	3,030.967 0	0.6439	0.0000	3,047.065 4
Maximum	29.8953	48.2514	23.8932	0.0498	18.2032	2.5779	20.7811	9.9670	2.3717	12.3387	0.0000	5,035.066 2	5,035.066 2	1.1981	0.0000	5,063.359 9

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6555	48.2514	23.8932	0.0498	18.2032	2.5779	20.7811	9.9670	2.3717	12.3387	0.0000	5,035.066 2	5,035.066 2	1.1981	0.0000	5,063.359 9
2019	2.5350	22.3461	18.4963	0.0316	0.2656	1.3000	1.5656	0.0718	1.2223	1.2941	0.0000	3,077.864 3	3,077.864 3	0.6542	0.0000	3,094.220 1
2020	29.8953	20.3459	18.0252	0.0316	0.2656	1.1242	1.3898	0.0718	1.0571	1.1289	0.0000	3,030.967 0	3,030.967 0	0.6439	0.0000	3,047.065 3
Maximum	29.8953	48.2514	23.8932	0.0498	18.2032	2.5779	20.7811	9.9670	2.3717	12.3387	0.0000	5,035.066 2	5,035.066 2	1.1981	0.0000	5,063.359 9

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Mobile	2.5707	6.2559	14.6554	0.0317	2.1952	0.0350	2.2302	0.5871	0.0328	0.6199		3,210.1068	3,210.1068	0.1988		3,215.0759
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493
Total	4.8167	8.1928	26.7097	0.1060	2.1952	0.9760	3.1712	0.5871	0.9738	1.5609		18,068.1715	18,068.1715	0.4836	0.0136	18,084.3048

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Mobile	2.5707	6.2559	14.6554	0.0317	2.1952	0.0350	2.2302	0.5871	0.0328	0.6199		3,210.1068	3,210.1068	0.1988		3,215.0759
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493
Total	4.8167	8.1928	26.7097	0.1060	2.1952	0.9760	3.1712	0.5871	0.9738	1.5609		18,068.1715	18,068.1715	0.4836	0.0136	18,084.3048

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	East Expansion: Demolition	Demolition	1/17/2018	1/30/2018	5	10	
2	West Expansion: Demolition	Demolition	1/31/2018	3/27/2018	5	40	
3	Early Utility Work and Site Preparation	Site Preparation	3/28/2018	8/14/2018	5	100	
4	East Expansion: Construction	Building Construction	8/15/2018	7/2/2019	5	230	
5	West Expansion: Construction	Building Construction	7/3/2019	7/28/2020	5	280	
6	East Expansion: Architectural Coating	Architectural Coating	7/29/2020	8/25/2020	5	20	
7	West Expansion: Architectural Coating	Architectural Coating	8/26/2020	9/22/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,895; Non-Residential Outdoor: 31,965; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
East Expansion: Demolition	Excavators	3	8.00	158	0.38
East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
East Expansion: Construction	Cranes	1	7.00	231	0.29
East Expansion: Construction	Forklifts	3	8.00	89	0.20
East Expansion: Construction	Generator Sets	1	8.00	84	0.74
East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
East Expansion: Construction	Welders	1	8.00	46	0.45
East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
West Expansion: Demolition	Excavators	3	8.00	158	0.38
West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
West Expansion: Construction	Cranes	1	7.00	231	0.29
West Expansion: Construction	Forklifts	3	8.00	89	0.20
West Expansion: Construction	Generator Sets	1	8.00	84	0.74
West Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
West Expansion: Construction	Welders	1	8.00	46	0.45
West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513		3,871.7665	3,871.7665	1.0667		3,898.4344

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

3.2 East Expansion: Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0683	2.2959	0.5941	5.8400e-003	0.1253	0.0103	0.1356	0.0343	9.8300e-003	0.0441		624.3189	624.3189	0.0366		625.2326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1456	2.3398	1.1972	7.1200e-003	0.2394	0.0111	0.2505	0.0646	0.0106	0.0752		751.4227	751.4227	0.0409		752.4457

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

3.2 East Expansion: Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0683	2.2959	0.5941	5.8400e-003	0.1253	0.0103	0.1356	0.0343	9.8300e-003	0.0441		624.3189	624.3189	0.0366		625.2326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1456	2.3398	1.1972	7.1200e-003	0.2394	0.0111	0.2505	0.0646	0.0106	0.0752		751.4227	751.4227	0.0409		752.4457

3.3 West Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6991	0.0000	2.6991	0.4087	0.0000	0.4087			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	2.6991	1.9386	4.6376	0.4087	1.8048	2.2135		3,871.7665	3,871.7665	1.0667		3,898.4344

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

3.3 West Expansion: Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1134	3.8106	0.9860	9.6900e-003	0.2080	0.0171	0.2251	0.0569	0.0163	0.0733		1,036.1959	1,036.1959	0.0607		1,037.7124
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1907	3.8545	1.5892	0.0110	0.3221	0.0179	0.3400	0.0872	0.0171	0.1043		1,163.2997	1,163.2997	0.0650		1,164.9255

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6991	0.0000	2.6991	0.4087	0.0000	0.4087			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	2.6991	1.9386	4.6376	0.4087	1.8048	2.2135	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

3.3 West Expansion: Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1134	3.8106	0.9860	9.6900e-003	0.2080	0.0171	0.2251	0.0569	0.0163	0.0733		1,036.1959	1,036.1959	0.0607		1,037.7124
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1907	3.8545	1.5892	0.0110	0.3221	0.0179	0.3400	0.0872	0.0171	0.1043		1,163.2997	1,163.2997	0.0650		1,164.9255

3.4 Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.6239	3,831.6239	1.1928		3,861.4448

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

3.4 Early Utility Work and Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557
Total	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

3.4 Early Utility Work and Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557
Total	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557

3.5 East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

3.5 East Expansion: Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0537	1.2656	0.4130	2.5300e-003	0.0602	0.0101	0.0703	0.0173	9.6800e-003	0.0270		267.0782	267.0782	0.0166		267.4922
Worker	0.1392	0.0789	1.0857	2.3000e-003	0.2054	1.5100e-003	0.2069	0.0545	1.3900e-003	0.0559		228.7868	228.7868	7.8700e-003		228.9836
Total	0.1929	1.3445	1.4987	4.8300e-003	0.2656	0.0116	0.2772	0.0718	0.0111	0.0829		495.8651	495.8651	0.0244		496.4758

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

3.5 East Expansion: Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0537	1.2656	0.4130	2.5300e-003	0.0602	0.0101	0.0703	0.0173	9.6800e-003	0.0270		267.0782	267.0782	0.0166		267.4922
Worker	0.1392	0.0789	1.0857	2.3000e-003	0.2054	1.5100e-003	0.2069	0.0545	1.3900e-003	0.0559		228.7868	228.7868	7.8700e-003		228.9836
Total	0.1929	1.3445	1.4987	4.8300e-003	0.2656	0.0116	0.2772	0.0718	0.0111	0.0829		495.8651	495.8651	0.0244		496.4758

3.5 East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

3.5 East Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.1978	0.3576	2.5100e-003	0.0602	8.6400e-003	0.0688	0.0173	8.2700e-003	0.0256		265.2509	265.2509	0.0159		265.6494
Worker	0.1265	0.0695	0.9749	2.2200e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		221.0333	221.0333	6.9600e-003		221.2072
Total	0.1738	1.2673	1.3325	4.7300e-003	0.2656	0.0101	0.2757	0.0718	9.6200e-003	0.0814		486.2842	486.2842	0.0229		486.8566

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

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3.5 East Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.1978	0.3576	2.5100e-003	0.0602	8.6400e-003	0.0688	0.0173	8.2700e-003	0.0256		265.2509	265.2509	0.0159		265.6494
Worker	0.1265	0.0695	0.9749	2.2200e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		221.0333	221.0333	6.9600e-003		221.2072
Total	0.1738	1.2673	1.3325	4.7300e-003	0.2656	0.0101	0.2757	0.0718	9.6200e-003	0.0814		486.2842	486.2842	0.0229		486.8566

3.6 West Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

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3.6 West Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.1978	0.3576	2.5100e-003	0.0602	8.6400e-003	0.0688	0.0173	8.2700e-003	0.0256		265.2509	265.2509	0.0159		265.6494
Worker	0.1265	0.0695	0.9749	2.2200e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		221.0333	221.0333	6.9600e-003		221.2072
Total	0.1738	1.2673	1.3325	4.7300e-003	0.2656	0.0101	0.2757	0.0718	9.6200e-003	0.0814		486.2842	486.2842	0.0229		486.8566

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

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3.6 West Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0473	1.1978	0.3576	2.5100e-003	0.0602	8.6400e-003	0.0688	0.0173	8.2700e-003	0.0256		265.2509	265.2509	0.0159		265.6494
Worker	0.1265	0.0695	0.9749	2.2200e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		221.0333	221.0333	6.9600e-003		221.2072
Total	0.1738	1.2673	1.3325	4.7300e-003	0.2656	0.0101	0.2757	0.0718	9.6200e-003	0.0814		486.2842	486.2842	0.0229		486.8566

3.6 West Expansion: Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

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3.6 West Expansion: Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0377	1.0980	0.2951	2.4900e-003	0.0602	5.7200e-003	0.0659	0.0173	5.4800e-003	0.0228		263.6554	263.6554	0.0149		264.0289
Worker	0.1164	0.0618	0.8816	2.1500e-003	0.2054	1.4300e-003	0.2068	0.0545	1.3200e-003	0.0558		214.2485	214.2485	6.1400e-003		214.4020
Total	0.1541	1.1598	1.1767	4.6400e-003	0.2656	7.1500e-003	0.2727	0.0718	6.8000e-003	0.0786		477.9039	477.9039	0.0211		478.4309

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

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3.6 West Expansion: Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0377	1.0980	0.2951	2.4900e-003	0.0602	5.7200e-003	0.0659	0.0173	5.4800e-003	0.0228		263.6554	263.6554	0.0149		264.0289
Worker	0.1164	0.0618	0.8816	2.1500e-003	0.2054	1.4300e-003	0.2068	0.0545	1.3200e-003	0.0558		214.2485	214.2485	6.1400e-003		214.4020
Total	0.1541	1.1598	1.1767	4.6400e-003	0.2656	7.1500e-003	0.2727	0.0718	6.8000e-003	0.0786		477.9039	477.9039	0.0211		478.4309

3.7 East Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	29.8737	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

3.7 East Expansion: Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041
Total	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	29.8737	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

3.7 East Expansion: Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041
Total	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041

3.8 West Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	29.8737	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

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3.8 West Expansion: Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041
Total	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	29.8737	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

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3.8 West Expansion: Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041
Total	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.5707	6.2559	14.6554	0.0317	2.1952	0.0350	2.2302	0.5871	0.0328	0.6199		3,210.1068	3,210.1068	0.1988		3,215.0759
Unmitigated	2.5707	6.2559	14.6554	0.0317	2.1952	0.0350	2.2302	0.5871	0.0328	0.6199		3,210.1068	3,210.1068	0.1988		3,215.0759

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	1,380.25	1,380.25	1380.25	1,034,343	1,034,343
Total	1,380.25	1,380.25	1,380.25	1,034,343	1,034,343

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	5.32	2.66	3.46	0.00	81.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
NaturalGas Unmitigated	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Total		0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Total		0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2000e-004	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2000e-004	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

7.0 Water Detail

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
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Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Summer

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493

11.0 Vegetation

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

Sacramento Convention Center Renovation & Expansion (Average Annual)
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Arena	63.93	1000sqft	6.52	63,930.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

Project Characteristics -

Land Use - "Arena" land-use used as surrogate for Convention Center land-use. Lot acreage equal to entire lot.

Construction Phase - Construction schedule based on project-specific estimates.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Architectural Coating -

Vehicle Trips - Trip rate based on traffic report.

Stationary Sources - Process Boilers -

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	280.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	100.00
tblLandUse	LotAcreage	20.55	6.52
tblProjectCharacteristics	OperationalYear	2018	2020
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.00	2.66
tblVehicleTrips	CNW_TL	6.50	3.46
tblVehicleTrips	CW_TL	10.00	5.32
tblVehicleTrips	ST_TR	10.71	21.59
tblVehicleTrips	SU_TR	10.71	21.59
tblVehicleTrips	WD_TR	10.71	21.59

2.0 Emissions Summary

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6483	48.2639	23.8853	0.0495	18.2032	2.5779	20.7811	9.9670	2.3717	12.3387	0.0000	5,004.304 7	5,004.304 7	1.1975	0.0000	5,032.661 6
2019	2.5274	22.3918	18.4093	0.0313	0.2656	1.3002	1.5658	0.0718	1.2226	1.2944	0.0000	3,044.296 0	3,044.296 0	0.6548	0.0000	3,060.665 2
2020	29.8936	20.3829	17.9428	0.0312	0.2656	1.1244	1.3900	0.0718	1.0573	1.1291	0.0000	2,998.135 3	2,998.135 3	0.6444	0.0000	3,014.246 1
Maximum	29.8936	48.2639	23.8853	0.0495	18.2032	2.5779	20.7811	9.9670	2.3717	12.3387	0.0000	5,004.304 7	5,004.304 7	1.1975	0.0000	5,032.661 6

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6483	48.2639	23.8853	0.0495	18.2032	2.5779	20.7811	9.9670	2.3717	12.3387	0.0000	5,004.304 7	5,004.304 7	1.1975	0.0000	5,032.661 6
2019	2.5274	22.3918	18.4093	0.0313	0.2656	1.3002	1.5658	0.0718	1.2226	1.2944	0.0000	3,044.296 0	3,044.296 0	0.6548	0.0000	3,060.665 2
2020	29.8936	20.3829	17.9428	0.0312	0.2656	1.1244	1.3900	0.0718	1.0573	1.1291	0.0000	2,998.135 3	2,998.135 3	0.6444	0.0000	3,014.246 1
Maximum	29.8936	48.2639	23.8853	0.0495	18.2032	2.5779	20.7811	9.9670	2.3717	12.3387	0.0000	5,004.304 7	5,004.304 7	1.1975	0.0000	5,032.661 6

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Mobile	1.8183	6.4933	16.0376	0.0287	2.1952	0.0361	2.2314	0.5871	0.0339	0.6210		2,905.3066	2,905.3066	0.2123		2,910.6134
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493
Total	4.0643	8.4302	28.0919	0.1030	2.1952	0.9772	3.1724	0.5871	0.9750	1.5620		17,763.3713	17,763.3713	0.4971	0.0136	17,779.8423

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Mobile	1.8183	6.4933	16.0376	0.0287	2.1952	0.0361	2.2314	0.5871	0.0339	0.6210		2,905.3066	2,905.3066	0.2123		2,910.6134
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493
Total	4.0643	8.4302	28.0919	0.1030	2.1952	0.9772	3.1724	0.5871	0.9750	1.5620		17,763.3713	17,763.3713	0.4971	0.0136	17,779.8423

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	East Expansion: Demolition	Demolition	1/17/2018	1/30/2018	5	10	
2	West Expansion: Demolition	Demolition	1/31/2018	3/27/2018	5	40	
3	Early Utility Work and Site Preparation	Site Preparation	3/28/2018	8/14/2018	5	100	
4	East Expansion: Construction	Building Construction	8/15/2018	7/2/2019	5	230	
5	West Expansion: Construction	Building Construction	7/3/2019	7/28/2020	5	280	
6	East Expansion: Architectural Coating	Architectural Coating	7/29/2020	8/25/2020	5	20	
7	West Expansion: Architectural Coating	Architectural Coating	8/26/2020	9/22/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,895; Non-Residential Outdoor: 31,965; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
East Expansion: Demolition	Excavators	3	8.00	158	0.38
East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
East Expansion: Construction	Cranes	1	7.00	231	0.29
East Expansion: Construction	Forklifts	3	8.00	89	0.20
East Expansion: Construction	Generator Sets	1	8.00	84	0.74
East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
East Expansion: Construction	Welders	1	8.00	46	0.45
East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
West Expansion: Demolition	Excavators	3	8.00	158	0.38
West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
West Expansion: Construction	Cranes	1	7.00	231	0.29
West Expansion: Construction	Forklifts	3	8.00	89	0.20
West Expansion: Construction	Generator Sets	1	8.00	84	0.74
West Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
West Expansion: Construction	Welders	1	8.00	46	0.45
West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
East Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Construction	9	27.00	10.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
West Expansion: Architectural Coating	1	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513		3,871.7665	3,871.7665	1.0667		3,898.4344

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

3.2 East Expansion: Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0710	2.3979	0.6381	5.7500e-003	0.1253	0.0106	0.1359	0.0343	0.0101	0.0444		615.0993	615.0993	0.0384		616.0583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1423	2.4522	1.1603	6.8700e-003	0.2394	0.0114	0.2509	0.0646	0.0109	0.0755		726.7435	726.7435	0.0423		727.7998

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

3.2 East Expansion: Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0710	2.3979	0.6381	5.7500e-003	0.1253	0.0106	0.1359	0.0343	0.0101	0.0444		615.0993	615.0993	0.0384		616.0583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1423	2.4522	1.1603	6.8700e-003	0.2394	0.0114	0.2509	0.0646	0.0109	0.0755		726.7435	726.7435	0.0423		727.7998

3.3 West Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6991	0.0000	2.6991	0.4087	0.0000	0.4087			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	2.6991	1.9386	4.6376	0.4087	1.8048	2.2135		3,871.7665	3,871.7665	1.0667		3,898.4344

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

3.3 West Expansion: Demolition - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1179	3.9799	1.0591	9.5500e-003	0.2080	0.0176	0.2256	0.0569	0.0168	0.0738		1,020.8940	1,020.8940	0.0637		1,022.4857
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1892	4.0341	1.5813	0.0107	0.3221	0.0184	0.3405	0.0872	0.0176	0.1048		1,132.5382	1,132.5382	0.0676		1,134.2272

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6991	0.0000	2.6991	0.4087	0.0000	0.4087			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	2.6991	1.9386	4.6376	0.4087	1.8048	2.2135	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

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3.3 West Expansion: Demolition - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1179	3.9799	1.0591	9.5500e-003	0.2080	0.0176	0.2256	0.0569	0.0168	0.0738		1,020.8940	1,020.8940	0.0637		1,022.4857
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1892	4.0341	1.5813	0.0107	0.3221	0.0184	0.3405	0.0872	0.0176	0.1048		1,132.5382	1,132.5382	0.0676		1,134.2272

3.4 Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014		3,831.6239	3,831.6239	1.1928		3,861.4448

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3.4 Early Utility Work and Site Preparation - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898
Total	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.0663	2.5769	20.6432	9.9307	2.3708	12.3014	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

3.4 Early Utility Work and Site Preparation - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898
Total	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898

3.5 East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

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3.5 East Expansion: Construction - 2018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0565	1.2994	0.4667	2.4700e-003	0.0602	0.0104	0.0706	0.0173	9.9200e-003	0.0273		260.4600	260.4600	0.0180		260.9087
Worker	0.1284	0.0976	0.9400	2.0200e-003	0.2054	1.5100e-003	0.2069	0.0545	1.3900e-003	0.0559		200.9596	200.9596	7.0100e-003		201.1348
Total	0.1849	1.3970	1.4067	4.4900e-003	0.2656	0.0119	0.2775	0.0718	0.0113	0.0831		461.4196	461.4196	0.0250		462.0435

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

3.5 East Expansion: Construction - 2018

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0565	1.2994	0.4667	2.4700e-003	0.0602	0.0104	0.0706	0.0173	9.9200e-003	0.0273		260.4600	260.4600	0.0180		260.9087
Worker	0.1284	0.0976	0.9400	2.0200e-003	0.2054	1.5100e-003	0.2069	0.0545	1.3900e-003	0.0559		200.9596	200.9596	7.0100e-003		201.1348
Total	0.1849	1.3970	1.4067	4.4900e-003	0.2656	0.0119	0.2775	0.0718	0.0113	0.0831		461.4196	461.4196	0.0250		462.0435

3.5 East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

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3.5 East Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.2271	0.4068	2.4500e-003	0.0602	8.8800e-003	0.0691	0.0173	8.4900e-003	0.0258		258.5858	258.5858	0.0173		259.0176
Worker	0.1165	0.0859	0.8387	1.9500e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		194.1300	194.1300	6.1600e-003		194.2841
Total	0.1662	1.3130	1.2456	4.4000e-003	0.2656	0.0103	0.2759	0.0718	9.8400e-003	0.0816		452.7158	452.7158	0.0234		453.3017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

3.5 East Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.2271	0.4068	2.4500e-003	0.0602	8.8800e-003	0.0691	0.0173	8.4900e-003	0.0258		258.5858	258.5858	0.0173		259.0176
Worker	0.1165	0.0859	0.8387	1.9500e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		194.1300	194.1300	6.1600e-003		194.2841
Total	0.1662	1.3130	1.2456	4.4000e-003	0.2656	0.0103	0.2759	0.0718	9.8400e-003	0.0816		452.7158	452.7158	0.0234		453.3017

3.6 West Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

3.6 West Expansion: Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.2271	0.4068	2.4500e-003	0.0602	8.8800e-003	0.0691	0.0173	8.4900e-003	0.0258		258.5858	258.5858	0.0173		259.0176
Worker	0.1165	0.0859	0.8387	1.9500e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		194.1300	194.1300	6.1600e-003		194.2841
Total	0.1662	1.3130	1.2456	4.4000e-003	0.2656	0.0103	0.2759	0.0718	9.8400e-003	0.0816		452.7158	452.7158	0.0234		453.3017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

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3.6 West Expansion: Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0497	1.2271	0.4068	2.4500e-003	0.0602	8.8800e-003	0.0691	0.0173	8.4900e-003	0.0258		258.5858	258.5858	0.0173		259.0176
Worker	0.1165	0.0859	0.8387	1.9500e-003	0.2054	1.4600e-003	0.2069	0.0545	1.3500e-003	0.0558		194.1300	194.1300	6.1600e-003		194.2841
Total	0.1662	1.3130	1.2456	4.4000e-003	0.2656	0.0103	0.2759	0.0718	9.8400e-003	0.0816		452.7158	452.7158	0.0234		453.3017

3.6 West Expansion: Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

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3.6 West Expansion: Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0397	1.1205	0.3395	2.4300e-003	0.0602	5.9200e-003	0.0661	0.0173	5.6600e-003	0.0230		256.9123	256.9123	0.0162		257.3165
Worker	0.1071	0.0763	0.7548	1.8900e-003	0.2054	1.4300e-003	0.2068	0.0545	1.3200e-003	0.0558		188.1599	188.1599	5.4100e-003		188.2952
Total	0.1469	1.1968	1.0943	4.3200e-003	0.2656	7.3500e-003	0.2729	0.0718	6.9800e-003	0.0788		445.0722	445.0722	0.0216		445.6117

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

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3.6 West Expansion: Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0397	1.1205	0.3395	2.4300e-003	0.0602	5.9200e-003	0.0661	0.0173	5.6600e-003	0.0230		256.9123	256.9123	0.0162		257.3165
Worker	0.1071	0.0763	0.7548	1.8900e-003	0.2054	1.4300e-003	0.2068	0.0545	1.3200e-003	0.0558		188.1599	188.1599	5.4100e-003		188.2952
Total	0.1469	1.1968	1.0943	4.3200e-003	0.2656	7.3500e-003	0.2729	0.0718	6.9800e-003	0.0788		445.0722	445.0722	0.0216		445.6117

3.7 East Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	29.8737	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

3.7 East Expansion: Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695
Total	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	29.8737	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

3.7 East Expansion: Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695
Total	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695

3.8 West Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	29.8737	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

3.8 West Expansion: Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695
Total	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	29.8737	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

3.8 West Expansion: Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695
Total	0.0198	0.0141	0.1398	3.5000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		34.8444	34.8444	1.0000e-003		34.8695

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8183	6.4933	16.0376	0.0287	2.1952	0.0361	2.2314	0.5871	0.0339	0.6210		2,905.3066	2,905.3066	0.2123		2,910.6134
Unmitigated	1.8183	6.4933	16.0376	0.0287	2.1952	0.0361	2.2314	0.5871	0.0339	0.6210		2,905.3066	2,905.3066	0.2123		2,910.6134

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	1,380.25	1,380.25	1380.25	1,034,343	1,034,343
Total	1,380.25	1,380.25	1,380.25	1,034,343	1,034,343

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	5.32	2.66	3.46	0.00	81.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
NaturalGas Unmitigated	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Total		0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Total		0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2000e-004	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.3681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2000e-004	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	1.5311	6.0000e-005	6.5700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

7.0 Water Detail

Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

7.1 Mitigation Measures Water**8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
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Sacramento Convention Center Renovation & Expansion (Average Annual) - Sacramento County, Winter

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493

11.0 Vegetation

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction)
Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	65.00	1000sqft	0.00	65,000.00	0
Arena	63.93	1000sqft	6.52	63,930.00	0
Hotel	350.00	Room	0.56	385,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

Project Characteristics -

Land Use - "Arena" land-use used as a surrogate for Convention Center land-use.

Construction Phase - Construction schedule based on project-specific estimates. For total days of grading and paving (hotel), defaults for 10 acre site used (450ksf)

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - Total acres graded equal to site footprint.

Architectural Coating -

Vehicle Trips - Project-specific trip lengths used.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	306.00
tblConstructionPhase	NumDays	230.00	435.00
tblConstructionPhase	NumDays	230.00	174.00
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	43.00

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	110.00
tblEnergyUse	LightingElect	4.57	4.72
tblEnergyUse	LightingElect	1.75	2.63
tblEnergyUse	LightingElect	2.88	2.95
tblEnergyUse	T24E	3.41	3.58
tblEnergyUse	T24E	3.59	3.77
tblEnergyUse	T24NG	23.39	23.50
tblEnergyUse	T24NG	33.04	33.21
tblGrading	AcresOfGrading	7.00	0.56
tblGrading	AcresOfGrading	0.00	6.52
tblGrading	MaterialExported	0.00	21,800.00
tblLandUse	LandUseSquareFeet	508,200.00	385,000.00
tblLandUse	LotAcreage	1.49	0.00
tblLandUse	LotAcreage	20.55	6.52
tblLandUse	LotAcreage	11.67	0.56
tblStationaryBoilersUse	AnnualHeatInput	0.00	43,800.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	5.00
tblStationaryBoilersUse	DailyHeatInput	0.00	120.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.00	13.50
tblVehicleTrips	CC_TL	5.00	27.74
tblVehicleTrips	CNW_TL	6.50	17.55
tblVehicleTrips	CNW_TL	6.50	36.07
tblVehicleTrips	CW_TL	10.00	27.00
tblVehicleTrips	CW_TL	10.00	55.49

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

tblVehicleTrips	ST_TR	10.71	40.86
tblVehicleTrips	SU_TR	10.71	40.86
tblVehicleTrips	WD_TR	10.71	40.86

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	1.0776	10.1696	7.0104	0.0157	1.4663	0.4697	1.9360	0.6832	0.4384	1.1216	0.0000	1,443.3765	1,443.3765	0.2254	0.0000	1,449.0113
2019	2.2231	3.8977	3.2688	7.4300e-003	0.2831	0.1762	0.4593	0.0701	0.1664	0.2365	0.0000	673.1434	673.1434	0.0909	0.0000	675.4150
2020	2.8495	3.8789	3.4358	8.4800e-003	0.2827	0.1580	0.4408	0.0767	0.1489	0.2256	0.0000	765.8380	765.8380	0.0956	0.0000	768.2272
2021	2.1867	0.8647	0.8079	2.0600e-003	0.0696	0.0328	0.1024	0.0189	0.0309	0.0497	0.0000	185.8999	185.8999	0.0229	0.0000	186.4718
Maximum	2.8495	10.1696	7.0104	0.0157	1.4663	0.4697	1.9360	0.6832	0.4384	1.1216	0.0000	1,443.3765	1,443.3765	0.2254	0.0000	1,449.0113

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	1.0776	10.1696	7.0104	0.0157	1.4663	0.4697	1.9360	0.6832	0.4384	1.1216	0.0000	1,443.3757	1,443.3757	0.2254	0.0000	1,449.0105
2019	2.2231	3.8977	3.2688	7.4300e-003	0.2831	0.1762	0.4593	0.0701	0.1664	0.2365	0.0000	673.1430	673.1430	0.0909	0.0000	675.4146
2020	2.8495	3.8789	3.4358	8.4800e-003	0.2827	0.1580	0.4408	0.0767	0.1489	0.2256	0.0000	765.8376	765.8376	0.0956	0.0000	768.2269
2021	2.1867	0.8647	0.8079	2.0600e-003	0.0696	0.0328	0.1024	0.0189	0.0309	0.0497	0.0000	185.8998	185.8998	0.0229	0.0000	186.4717
Maximum	2.8495	10.1696	7.0104	0.0157	1.4663	0.4697	1.9360	0.6832	0.4384	1.1216	0.0000	1,443.3757	1,443.3757	0.2254	0.0000	1,449.0105

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-17-2018	4-16-2018	0.8505	0.8505
2	4-17-2018	7-16-2018	4.7963	4.7963
3	7-17-2018	10-16-2018	3.4295	3.4295
4	10-17-2018	1-16-2019	2.4421	2.4421
5	1-17-2019	4-16-2019	1.4371	1.4371
6	4-17-2019	7-16-2019	1.2261	1.2261
7	7-17-2019	10-16-2019	1.7348	1.7348
8	10-17-2019	1-16-2020	1.6844	1.6844

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9	1-17-2020	4-16-2020	3.2945	3.2945
10	4-17-2020	7-16-2020	1.0488	1.0488
11	7-17-2020	10-16-2020	1.0618	1.0618
12	10-17-2020	1-16-2021	1.0514	1.0514
13	1-17-2021	4-16-2021	2.8904	2.8904
		Highest	4.7963	4.7963

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Energy	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	2,337.1227	2,337.1227	0.0873	0.0313	2,348.6200
Mobile	2.7896	14.8463	45.4704	0.1467	12.4479	0.1540	12.6019	3.3386	0.1448	3.4835	0.0000	13,473.6053	13,473.6053	0.6316	0.0000	13,489.3954
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Waste						0.0000	0.0000		0.0000	0.0000	39.2564	0.0000	39.2564	2.3200	0.0000	97.2561
Water						0.0000	0.0000		0.0000	0.0000	12.8846	51.1580	64.0425	0.0469	0.0285	73.7189
Total	4.9676	15.9310	48.2894	0.1646	12.4479	0.3813	12.8292	3.3386	0.3722	3.7108	52.1410	18,199.2726	18,251.4136	3.1306	0.0598	18,347.4978

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Energy	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	2,337.1227	2,337.1227	0.0873	0.0313	2,348.6200
Mobile	2.7896	14.8463	45.4704	0.1467	12.4479	0.1540	12.6019	3.3386	0.1448	3.4835	0.0000	13,473.6053	13,473.6053	0.6316	0.0000	13,489.3954
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Waste						0.0000	0.0000		0.0000	0.0000	39.2564	0.0000	39.2564	2.3200	0.0000	97.2561
Water						0.0000	0.0000		0.0000	0.0000	12.8846	51.1580	64.0425	0.0469	0.0285	73.7189
Total	4.9676	15.9310	48.2894	0.1646	12.4479	0.3813	12.8292	3.3386	0.3722	3.7108	52.1410	18,199.2726	18,251.4136	3.1306	0.0598	18,347.4978

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Hotel: Demolition	Demolition	4/1/2018	4/13/2018	5	10	
2	SCC Early Utility Work and Site Preparation	Site Preparation	4/1/2018	8/31/2018	5	110	
3	Hotel: Excavation	Grading	4/14/2018	5/3/2018	5	14	
4	Hotel: Construction	Building Construction	5/4/2018	1/2/2019	5	174	
5	SCC East Expansion: Demolition	Demolition	4/1/2018	4/13/2018	5	10	
6	SCC East Expansion: Construction	Building Construction	4/15/2018	3/29/2019	5	250	
7	Hotel: Paving	Paving	5/4/2018	5/31/2018	5	20	
8	Hotel: Interior and Exterior Finish Work	Architectural Coating	1/3/2019	3/5/2020	5	306	
9	SCC East Expansion: Architectural Coating	Architectural Coating	3/2/2020	3/27/2020	5	20	
10	SCC West Expansion: Demolition	Demolition	6/1/2019	7/31/2019	5	43	
11	SCC West Expansion: Building Construction	Building Construction	8/1/2019	3/31/2021	5	435	
12	SCC West Expansion: Architectural Coating	Architectural Coating	3/4/2021	3/31/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,395; Non-Residential Outdoor: 224,465; Striped Parking Area: 3,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hotel: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Demolition	Excavators	3	8.00	158	0.38
Hotel: Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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SCC Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Hotel: Excavation	Excavators	1	8.00	158	0.38
Hotel: Excavation	Graders	1	8.00	187	0.41
Hotel: Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Hotel: Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel: Construction	Cranes	1	7.00	231	0.29
Hotel: Construction	Forklifts	3	8.00	89	0.20
Hotel: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Construction	Welders	1	8.00	46	0.45
SCC East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC East Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC East Expansion: Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Construction	Forklifts	3	8.00	89	0.20
SCC East Expansion: Construction	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Construction	Welders	1	8.00	46	0.45
Hotel: Paving	Pavers	2	8.00	130	0.42
Hotel: Paving	Paving Equipment	2	8.00	132	0.36
Hotel: Paving	Rollers	2	8.00	80	0.38
Hotel: Interior and Exterior Finish Work	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Demolition	Excavators	3	8.00	158	0.38

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SCC West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC West Expansion: Building Construction	Cranes	1	7.00	231	0.29
SCC West Expansion: Building Construction	Forklifts	3	8.00	89	0.20
SCC West Expansion: Building Construction	Generator Sets	1	8.00	84	0.74
SCC West Expansion: Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC West Expansion: Building Construction	Welders	1	8.00	46	0.45
SCC West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Hotel: Demolition	6	15.00	0.00	88.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Excavation	6	15.00	0.00	2,725.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Interior and Exterior Finish Work	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Building Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Hotel: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8700e-003	0.0000	9.8700e-003	1.4900e-003	0.0000	1.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	9.8700e-003	9.6900e-003	0.0196	1.4900e-003	9.0200e-003	0.0105	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.2000e-004	0.0146	3.6800e-003	4.0000e-005	7.4000e-004	6.0000e-005	8.1000e-004	2.0000e-004	6.0000e-005	2.6000e-004	0.0000	3.4397	3.4397	2.1000e-004	0.0000	3.4449
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	7.5000e-004	0.0148	6.2500e-003	5.0000e-005	1.2900e-003	6.0000e-005	1.3700e-003	3.5000e-004	6.0000e-005	4.1000e-004	0.0000	3.9609	3.9609	2.3000e-004	0.0000	3.9665

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3.2 Hotel: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8700e-003	0.0000	9.8700e-003	1.4900e-003	0.0000	1.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	9.8700e-003	9.6900e-003	0.0196	1.4900e-003	9.0200e-003	0.0105	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.2000e-004	0.0146	3.6800e-003	4.0000e-005	7.4000e-004	6.0000e-005	8.1000e-004	2.0000e-004	6.0000e-005	2.6000e-004	0.0000	3.4397	3.4397	2.1000e-004	0.0000	3.4449
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	7.5000e-004	0.0148	6.2500e-003	5.0000e-005	1.2900e-003	6.0000e-005	1.3700e-003	3.5000e-004	6.0000e-005	4.1000e-004	0.0000	3.9609	3.9609	2.3000e-004	0.0000	3.9665

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3.3 SCC Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9971	0.0000	0.9971	0.5466	0.0000	0.5466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2510	2.6509	1.2362	2.0900e-003		0.1417	0.1417		0.1304	0.1304	0.0000	191.1795	191.1795	0.0595	0.0000	192.6674
Total	0.2510	2.6509	1.2362	2.0900e-003	0.9971	0.1417	1.1388	0.5466	0.1304	0.6770	0.0000	191.1795	191.1795	0.0595	0.0000	192.6674

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4100e-003	3.2000e-003	0.0339	8.0000e-005	7.2700e-003	6.0000e-005	7.3300e-003	1.9300e-003	5.0000e-005	1.9800e-003	0.0000	6.8803	6.8803	2.3000e-004	0.0000	6.8862
Total	4.4100e-003	3.2000e-003	0.0339	8.0000e-005	7.2700e-003	6.0000e-005	7.3300e-003	1.9300e-003	5.0000e-005	1.9800e-003	0.0000	6.8803	6.8803	2.3000e-004	0.0000	6.8862

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3.3 SCC Early Utility Work and Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9971	0.0000	0.9971	0.5466	0.0000	0.5466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2510	2.6509	1.2362	2.0900e-003		0.1417	0.1417		0.1304	0.1304	0.0000	191.1793	191.1793	0.0595	0.0000	192.6672
Total	0.2510	2.6509	1.2362	2.0900e-003	0.9971	0.1417	1.1388	0.5466	0.1304	0.6770	0.0000	191.1793	191.1793	0.0595	0.0000	192.6672

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4100e-003	3.2000e-003	0.0339	8.0000e-005	7.2700e-003	6.0000e-005	7.3300e-003	1.9300e-003	5.0000e-005	1.9800e-003	0.0000	6.8803	6.8803	2.3000e-004	0.0000	6.8862
Total	4.4100e-003	3.2000e-003	0.0339	8.0000e-005	7.2700e-003	6.0000e-005	7.3300e-003	1.9300e-003	5.0000e-005	1.9800e-003	0.0000	6.8803	6.8803	2.3000e-004	0.0000	6.8862

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3.4 Hotel: Excavation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0447	0.0000	0.0447	0.0236	0.0000	0.0236	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2147	0.1160	2.1000e-004		0.0109	0.0109		9.9900e-003	9.9900e-003	0.0000	18.9748	18.9748	5.9100e-003	0.0000	19.1225
Total	0.0194	0.2147	0.1160	2.1000e-004	0.0447	0.0109	0.0556	0.0236	9.9900e-003	0.0335	0.0000	18.9748	18.9748	5.9100e-003	0.0000	19.1225

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0131	0.4510	0.1141	1.1000e-003	0.0230	1.9700e-003	0.0250	6.3200e-003	1.8900e-003	8.2000e-003	0.0000	106.5134	106.5134	6.3900e-003	0.0000	106.6731
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.4000e-004	3.6000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.8000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	0.7297	0.7297	2.0000e-005	0.0000	0.7304
Total	0.0136	0.4513	0.1177	1.1100e-003	0.0238	1.9800e-003	0.0258	6.5300e-003	1.9000e-003	8.4100e-003	0.0000	107.2431	107.2431	6.4100e-003	0.0000	107.4034

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3.4 Hotel: Excavation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0447	0.0000	0.0447	0.0236	0.0000	0.0236	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2147	0.1160	2.1000e-004		0.0109	0.0109		9.9900e-003	9.9900e-003	0.0000	18.9748	18.9748	5.9100e-003	0.0000	19.1225
Total	0.0194	0.2147	0.1160	2.1000e-004	0.0447	0.0109	0.0556	0.0236	9.9900e-003	0.0335	0.0000	18.9748	18.9748	5.9100e-003	0.0000	19.1225

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0131	0.4510	0.1141	1.1000e-003	0.0230	1.9700e-003	0.0250	6.3200e-003	1.8900e-003	8.2000e-003	0.0000	106.5134	106.5134	6.3900e-003	0.0000	106.6731
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.4000e-004	3.6000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.8000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	0.7297	0.7297	2.0000e-005	0.0000	0.7304
Total	0.0136	0.4513	0.1177	1.1100e-003	0.0238	1.9800e-003	0.0258	6.5300e-003	1.9000e-003	8.4100e-003	0.0000	107.2431	107.2431	6.4100e-003	0.0000	107.4034

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

3.5 Hotel: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2304	2.0115	1.5119	2.3100e-003		0.1290	0.1290		0.1213	0.1213	0.0000	204.4798	204.4798	0.0501	0.0000	205.7323
Total	0.2304	2.0115	1.5119	2.3100e-003		0.1290	0.1290		0.1213	0.1213	0.0000	204.4798	204.4798	0.0501	0.0000	205.7323

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0393	0.9378	0.3106	1.8100e-003	0.0423	7.3900e-003	0.0496	0.0122	7.0700e-003	0.0193	0.0000	173.2070	173.2070	0.0112	0.0000	173.4867
Worker	0.0827	0.0600	0.6367	1.4300e-003	0.1364	1.0400e-003	0.1375	0.0363	9.6000e-004	0.0372	0.0000	129.1002	129.1002	4.4000e-003	0.0000	129.2102
Total	0.1220	0.9978	0.9473	3.2400e-003	0.1787	8.4300e-003	0.1871	0.0485	8.0300e-003	0.0565	0.0000	302.3072	302.3072	0.0156	0.0000	302.6969

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3.5 Hotel: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2304	2.0115	1.5119	2.3100e-003		0.1290	0.1290		0.1213	0.1213	0.0000	204.4796	204.4796	0.0501	0.0000	205.7320
Total	0.2304	2.0115	1.5119	2.3100e-003		0.1290	0.1290		0.1213	0.1213	0.0000	204.4796	204.4796	0.0501	0.0000	205.7320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0393	0.9378	0.3106	1.8100e-003	0.0423	7.3900e-003	0.0496	0.0122	7.0700e-003	0.0193	0.0000	173.2070	173.2070	0.0112	0.0000	173.4867
Worker	0.0827	0.0600	0.6367	1.4300e-003	0.1364	1.0400e-003	0.1375	0.0363	9.6000e-004	0.0372	0.0000	129.1002	129.1002	4.4000e-003	0.0000	129.2102
Total	0.1220	0.9978	0.9473	3.2400e-003	0.1787	8.4300e-003	0.1871	0.0485	8.0300e-003	0.0565	0.0000	302.3072	302.3072	0.0156	0.0000	302.6969

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3.5 Hotel: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3600e-003	0.0211	0.0172	3.0000e-005		1.2900e-003	1.2900e-003		1.2100e-003	1.2100e-003	0.0000	2.3510	2.3510	5.7000e-004	0.0000	2.3654
Total	2.3600e-003	0.0211	0.0172	3.0000e-005		1.2900e-003	1.2900e-003		1.2100e-003	1.2100e-003	0.0000	2.3510	2.3510	5.7000e-004	0.0000	2.3654

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-004	0.0103	3.1500e-003	2.0000e-005	4.9000e-004	7.0000e-005	5.6000e-004	1.4000e-004	7.0000e-005	2.1000e-004	0.0000	2.0000	2.0000	1.3000e-004	0.0000	2.0031
Worker	8.7000e-004	6.1000e-004	6.6300e-003	2.0000e-005	1.5900e-003	1.0000e-005	1.6000e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4502	1.4502	5.0000e-005	0.0000	1.4513
Total	1.2700e-003	0.0109	9.7800e-003	4.0000e-005	2.0800e-003	8.0000e-005	2.1600e-003	5.6000e-004	8.0000e-005	6.4000e-004	0.0000	3.4501	3.4501	1.8000e-004	0.0000	3.4544

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3.5 Hotel: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3600e-003	0.0211	0.0172	3.0000e-005		1.2900e-003	1.2900e-003		1.2100e-003	1.2100e-003	0.0000	2.3510	2.3510	5.7000e-004	0.0000	2.3654
Total	2.3600e-003	0.0211	0.0172	3.0000e-005		1.2900e-003	1.2900e-003		1.2100e-003	1.2100e-003	0.0000	2.3510	2.3510	5.7000e-004	0.0000	2.3654

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-004	0.0103	3.1500e-003	2.0000e-005	4.9000e-004	7.0000e-005	5.6000e-004	1.4000e-004	7.0000e-005	2.1000e-004	0.0000	2.0000	2.0000	1.3000e-004	0.0000	2.0031
Worker	8.7000e-004	6.1000e-004	6.6300e-003	2.0000e-005	1.5900e-003	1.0000e-005	1.6000e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4502	1.4502	5.0000e-005	0.0000	1.4513
Total	1.2700e-003	0.0109	9.7800e-003	4.0000e-005	2.0800e-003	8.0000e-005	2.1600e-003	5.6000e-004	8.0000e-005	6.4000e-004	0.0000	3.4501	3.4501	1.8000e-004	0.0000	3.4544

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3.6 SCC East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1400e-003	0.0000	8.1400e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	8.1400e-003	9.6900e-003	0.0178	1.2300e-003	9.0200e-003	0.0103	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0119	3.0100e-003	3.0000e-005	6.1000e-004	5.0000e-005	6.6000e-004	1.7000e-004	5.0000e-005	2.2000e-004	0.0000	2.8143	2.8143	1.7000e-004	0.0000	2.8185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	6.8000e-004	0.0122	5.5800e-003	4.0000e-005	1.1600e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	3.3355	3.3355	1.9000e-004	0.0000	3.3402

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3.6 SCC East Expansion: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1400e-003	0.0000	8.1400e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	8.1400e-003	9.6900e-003	0.0178	1.2300e-003	9.0200e-003	0.0103	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0119	3.0100e-003	3.0000e-005	6.1000e-004	5.0000e-005	6.6000e-004	1.7000e-004	5.0000e-005	2.2000e-004	0.0000	2.8143	2.8143	1.7000e-004	0.0000	2.8185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	6.8000e-004	0.0122	5.5800e-003	4.0000e-005	1.1600e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	3.3355	3.3355	1.9000e-004	0.0000	3.3402

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3.7 SCC East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2492	2.1753	1.6350	2.5000e-003		0.1395	0.1395		0.1311	0.1311	0.0000	221.1235	221.1235	0.0542	0.0000	222.4779
Total	0.2492	2.1753	1.6350	2.5000e-003		0.1395	0.1395		0.1311	0.1311	0.0000	221.1235	221.1235	0.0542	0.0000	222.4779

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0425	1.0141	0.3358	1.9500e-003	0.0457	7.9900e-003	0.0537	0.0132	7.6400e-003	0.0209	0.0000	187.3052	187.3052	0.0121	0.0000	187.6077
Worker	0.0895	0.0649	0.6886	1.5500e-003	0.1475	1.1200e-003	0.1487	0.0392	1.0400e-003	0.0403	0.0000	139.6084	139.6084	4.7600e-003	0.0000	139.7274
Total	0.1319	1.0790	1.0244	3.5000e-003	0.1932	9.1100e-003	0.2023	0.0525	8.6800e-003	0.0611	0.0000	326.9136	326.9136	0.0169	0.0000	327.3350

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3.7 SCC East Expansion: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2492	2.1753	1.6350	2.5000e-003		0.1395	0.1395		0.1311	0.1311	0.0000	221.1233	221.1233	0.0542	0.0000	222.4776
Total	0.2492	2.1753	1.6350	2.5000e-003		0.1395	0.1395		0.1311	0.1311	0.0000	221.1233	221.1233	0.0542	0.0000	222.4776

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0425	1.0141	0.3358	1.9500e-003	0.0457	7.9900e-003	0.0537	0.0132	7.6400e-003	0.0209	0.0000	187.3052	187.3052	0.0121	0.0000	187.6077
Worker	0.0895	0.0649	0.6886	1.5500e-003	0.1475	1.1200e-003	0.1487	0.0392	1.0400e-003	0.0403	0.0000	139.6084	139.6084	4.7600e-003	0.0000	139.7274
Total	0.1319	1.0790	1.0244	3.5000e-003	0.1932	9.1100e-003	0.2023	0.0525	8.6800e-003	0.0611	0.0000	326.9136	326.9136	0.0169	0.0000	327.3350

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3.7 SCC East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0756	0.6745	0.5492	8.6000e-004		0.0413	0.0413		0.0388	0.0388	0.0000	75.2333	75.2333	0.0183	0.0000	75.6915
Total	0.0756	0.6745	0.5492	8.6000e-004		0.0413	0.0413		0.0388	0.0388	0.0000	75.2333	75.2333	0.0183	0.0000	75.6915

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0129	0.3297	0.1008	6.7000e-004	0.0157	2.3500e-003	0.0181	4.5400e-003	2.2500e-003	6.7900e-003	0.0000	63.9987	63.9987	4.0100e-003	0.0000	64.0990
Worker	0.0280	0.0196	0.2121	5.1000e-004	0.0508	3.7000e-004	0.0511	0.0135	3.5000e-004	0.0139	0.0000	46.4054	46.4054	1.4400e-003	0.0000	46.4414
Total	0.0408	0.3494	0.3129	1.1800e-003	0.0665	2.7200e-003	0.0692	0.0180	2.6000e-003	0.0206	0.0000	110.4041	110.4041	5.4500e-003	0.0000	110.5405

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

3.7 SCC East Expansion: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0756	0.6745	0.5492	8.6000e-004		0.0413	0.0413		0.0388	0.0388	0.0000	75.2333	75.2333	0.0183	0.0000	75.6914
Total	0.0756	0.6745	0.5492	8.6000e-004		0.0413	0.0413		0.0388	0.0388	0.0000	75.2333	75.2333	0.0183	0.0000	75.6914

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0129	0.3297	0.1008	6.7000e-004	0.0157	2.3500e-003	0.0181	4.5400e-003	2.2500e-003	6.7900e-003	0.0000	63.9987	63.9987	4.0100e-003	0.0000	64.0990
Worker	0.0280	0.0196	0.2121	5.1000e-004	0.0508	3.7000e-004	0.0511	0.0135	3.5000e-004	0.0139	0.0000	46.4054	46.4054	1.4400e-003	0.0000	46.4414
Total	0.0408	0.3494	0.3129	1.1800e-003	0.0665	2.7200e-003	0.0692	0.0180	2.6000e-003	0.0206	0.0000	110.4041	110.4041	5.4500e-003	0.0000	110.5405

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

3.8 Hotel: Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	4.8000e-004	5.1400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0425	1.0425	4.0000e-005	0.0000	1.0434
Total	6.7000e-004	4.8000e-004	5.1400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0425	1.0425	4.0000e-005	0.0000	1.0434

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

3.8 Hotel: Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	4.8000e-004	5.1400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0425	1.0425	4.0000e-005	0.0000	1.0434
Total	6.7000e-004	4.8000e-004	5.1400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0425	1.0425	4.0000e-005	0.0000	1.0434

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

3.9 Hotel: Interior and Exterior Finish Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7688					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0345	0.2377	0.2385	3.8000e-004		0.0167	0.0167		0.0167	0.0167	0.0000	33.0646	33.0646	2.7900e-003	0.0000	33.1345
Total	1.8033	0.2377	0.2385	3.8000e-004		0.0167	0.0167		0.0167	0.0167	0.0000	33.0646	33.0646	2.7900e-003	0.0000	33.1345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0225	0.0158	0.1709	4.1000e-004	0.0409	3.0000e-004	0.0412	0.0109	2.8000e-004	0.0112	0.0000	37.3855	37.3855	1.1600e-003	0.0000	37.4145
Total	0.0225	0.0158	0.1709	4.1000e-004	0.0409	3.0000e-004	0.0412	0.0109	2.8000e-004	0.0112	0.0000	37.3855	37.3855	1.1600e-003	0.0000	37.4145

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3.9 Hotel: Interior and Exterior Finish Work - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7688					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0345	0.2377	0.2385	3.8000e-004		0.0167	0.0167		0.0167	0.0167	0.0000	33.0646	33.0646	2.7900e-003	0.0000	33.1344
Total	1.8033	0.2377	0.2385	3.8000e-004		0.0167	0.0167		0.0167	0.0167	0.0000	33.0646	33.0646	2.7900e-003	0.0000	33.1344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0225	0.0158	0.1709	4.1000e-004	0.0409	3.0000e-004	0.0412	0.0109	2.8000e-004	0.0112	0.0000	37.3855	37.3855	1.1600e-003	0.0000	37.4145
Total	0.0225	0.0158	0.1709	4.1000e-004	0.0409	3.0000e-004	0.0412	0.0109	2.8000e-004	0.0112	0.0000	37.3855	37.3855	1.1600e-003	0.0000	37.4145

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3.9 Hotel: Interior and Exterior Finish Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6900e-003	0.0396	0.0430	7.0000e-005		2.6100e-003	2.6100e-003		2.6100e-003	2.6100e-003	0.0000	6.0002	6.0002	4.6000e-004	0.0000	6.0118
Total	0.3267	0.0396	0.0430	7.0000e-005		2.6100e-003	2.6100e-003		2.6100e-003	2.6100e-003	0.0000	6.0002	6.0002	4.6000e-004	0.0000	6.0118

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	2.5500e-003	0.0280	7.0000e-005	7.4200e-003	5.0000e-005	7.4700e-003	1.9700e-003	5.0000e-005	2.0200e-003	0.0000	6.5757	6.5757	1.9000e-004	0.0000	6.5803
Total	3.7600e-003	2.5500e-003	0.0280	7.0000e-005	7.4200e-003	5.0000e-005	7.4700e-003	1.9700e-003	5.0000e-005	2.0200e-003	0.0000	6.5757	6.5757	1.9000e-004	0.0000	6.5803

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3.9 Hotel: Interior and Exterior Finish Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.6900e-003	0.0396	0.0430	7.0000e-005		2.6100e-003	2.6100e-003		2.6100e-003	2.6100e-003	0.0000	6.0001	6.0001	4.6000e-004	0.0000	6.0118
Total	0.3267	0.0396	0.0430	7.0000e-005		2.6100e-003	2.6100e-003		2.6100e-003	2.6100e-003	0.0000	6.0001	6.0001	4.6000e-004	0.0000	6.0118

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7600e-003	2.5500e-003	0.0280	7.0000e-005	7.4200e-003	5.0000e-005	7.4700e-003	1.9700e-003	5.0000e-005	2.0200e-003	0.0000	6.5757	6.5757	1.9000e-004	0.0000	6.5803
Total	3.7600e-003	2.5500e-003	0.0280	7.0000e-005	7.4200e-003	5.0000e-005	7.4700e-003	1.9700e-003	5.0000e-005	2.0200e-003	0.0000	6.5757	6.5757	1.9000e-004	0.0000	6.5803

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

3.10 SCC East Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	2.0923	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-003	1.0900e-003	0.0119	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7982	2.7982	8.0000e-005	0.0000	2.8001
Total	1.6000e-003	1.0900e-003	0.0119	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7982	2.7982	8.0000e-005	0.0000	2.8001

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3.10 SCC East Expansion: Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	2.0923	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-003	1.0900e-003	0.0119	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7982	2.7982	8.0000e-005	0.0000	2.8001
Total	1.6000e-003	1.0900e-003	0.0119	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7982	2.7982	8.0000e-005	0.0000	2.8001

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

3.11 SCC West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0540	0.0000	0.0540	8.1700e-003	0.0000	8.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0755	0.7693	0.4743	8.3000e-004		0.0386	0.0386		0.0359	0.0359	0.0000	74.4466	74.4466	0.0207	0.0000	74.9644
Total	0.0755	0.7693	0.4743	8.3000e-004	0.0540	0.0386	0.0926	8.1700e-003	0.0359	0.0441	0.0000	74.4466	74.4466	0.0207	0.0000	74.9644

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0743	0.0180	1.9000e-004	4.0300e-003	3.1000e-004	4.3500e-003	1.1100e-003	3.0000e-004	1.4100e-003	0.0000	18.4792	18.4792	1.1000e-003	0.0000	18.5067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	9.2000e-004	9.9000e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1652	2.1652	7.0000e-005	0.0000	2.1669
Total	3.4100e-003	0.0752	0.0279	2.1000e-004	6.4000e-003	3.3000e-004	6.7400e-003	1.7400e-003	3.2000e-004	2.0600e-003	0.0000	20.6444	20.6444	1.1700e-003	0.0000	20.6735

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

3.11 SCC West Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0540	0.0000	0.0540	8.1700e-003	0.0000	8.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0755	0.7693	0.4743	8.3000e-004		0.0386	0.0386		0.0359	0.0359	0.0000	74.4465	74.4465	0.0207	0.0000	74.9643
Total	0.0755	0.7693	0.4743	8.3000e-004	0.0540	0.0386	0.0926	8.1700e-003	0.0359	0.0441	0.0000	74.4465	74.4465	0.0207	0.0000	74.9643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0743	0.0180	1.9000e-004	4.0300e-003	3.1000e-004	4.3500e-003	1.1100e-003	3.0000e-004	1.4100e-003	0.0000	18.4792	18.4792	1.1000e-003	0.0000	18.5067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	9.2000e-004	9.9000e-003	2.0000e-005	2.3700e-003	2.0000e-005	2.3900e-003	6.3000e-004	2.0000e-005	6.5000e-004	0.0000	2.1652	2.1652	7.0000e-005	0.0000	2.1669
Total	3.4100e-003	0.0752	0.0279	2.1000e-004	6.4000e-003	3.3000e-004	6.7400e-003	1.7400e-003	3.2000e-004	2.0600e-003	0.0000	20.6444	20.6444	1.1700e-003	0.0000	20.6735

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

3.12 SCC West Expansion: Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1318	128.1318	0.0312	0.0000	128.9121
Total	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1318	128.1318	0.0312	0.0000	128.9121

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0219	0.5616	0.1716	1.1400e-003	0.0268	4.0000e-003	0.0308	7.7400e-003	3.8300e-003	0.0116	0.0000	108.9978	108.9978	6.8300e-003	0.0000	109.1687
Worker	0.0476	0.0335	0.3612	8.8000e-004	0.0865	6.4000e-004	0.0871	0.0230	5.9000e-004	0.0236	0.0000	79.0341	79.0341	2.4600e-003	0.0000	79.0956
Total	0.0695	0.5950	0.5328	2.0200e-003	0.1132	4.6400e-003	0.1179	0.0307	4.4200e-003	0.0352	0.0000	188.0320	188.0320	9.2900e-003	0.0000	188.2642

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

3.12 SCC West Expansion: Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1316	128.1316	0.0312	0.0000	128.9120
Total	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1316	128.1316	0.0312	0.0000	128.9120

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0219	0.5616	0.1716	1.1400e-003	0.0268	4.0000e-003	0.0308	7.7400e-003	3.8300e-003	0.0116	0.0000	108.9978	108.9978	6.8300e-003	0.0000	109.1687
Worker	0.0476	0.0335	0.3612	8.8000e-004	0.0865	6.4000e-004	0.0871	0.0230	5.9000e-004	0.0236	0.0000	79.0341	79.0341	2.4600e-003	0.0000	79.0956
Total	0.0695	0.5950	0.5328	2.0200e-003	0.1132	4.6400e-003	0.1179	0.0307	4.4200e-003	0.0352	0.0000	188.0320	188.0320	9.2900e-003	0.0000	188.2642

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3.12 SCC West Expansion: Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0421	1.2340	0.3442	2.7100e-003	0.0643	6.3900e-003	0.0707	0.0186	6.1100e-003	0.0247	0.0000	260.3694	260.3694	0.0154	0.0000	260.7548
Worker	0.1053	0.0714	0.7833	2.0400e-003	0.2078	1.5000e-003	0.2093	0.0553	1.3800e-003	0.0567	0.0000	184.1323	184.1323	5.2100e-003	0.0000	184.2624
Total	0.1475	1.3055	1.1274	4.7500e-003	0.2722	7.8900e-003	0.2800	0.0739	7.4900e-003	0.0814	0.0000	444.5016	444.5016	0.0206	0.0000	445.0172

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3.12 SCC West Expansion: Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0421	1.2340	0.3442	2.7100e-003	0.0643	6.3900e-003	0.0707	0.0186	6.1100e-003	0.0247	0.0000	260.3694	260.3694	0.0154	0.0000	260.7548
Worker	0.1053	0.0714	0.7833	2.0400e-003	0.2078	1.5000e-003	0.2093	0.0553	1.3800e-003	0.0567	0.0000	184.1323	184.1323	5.2100e-003	0.0000	184.2624
Total	0.1475	1.3055	1.1274	4.7500e-003	0.2722	7.8900e-003	0.2800	0.0739	7.4900e-003	0.0814	0.0000	444.5016	444.5016	0.0206	0.0000	445.0172

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3.12 SCC West Expansion: Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1239	74.1239	0.0179	0.0000	74.5710
Total	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1239	74.1239	0.0179	0.0000	74.5710

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4500e-003	0.2750	0.0735	6.6000e-004	0.0157	7.6000e-004	0.0165	4.5400e-003	7.3000e-004	5.2700e-003	0.0000	63.0725	63.0725	3.6100e-003	0.0000	63.1626
Worker	0.0239	0.0156	0.1749	4.8000e-004	0.0508	3.5000e-004	0.0511	0.0135	3.3000e-004	0.0138	0.0000	43.4474	43.4474	1.1400e-003	0.0000	43.4759
Total	0.0324	0.2906	0.2484	1.1400e-003	0.0665	1.1100e-003	0.0676	0.0180	1.0600e-003	0.0191	0.0000	106.5199	106.5199	4.7500e-003	0.0000	106.6385

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3.12 SCC West Expansion: Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1238	74.1238	0.0179	0.0000	74.5709
Total	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1238	74.1238	0.0179	0.0000	74.5709

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4500e-003	0.2750	0.0735	6.6000e-004	0.0157	7.6000e-004	0.0165	4.5400e-003	7.3000e-004	5.2700e-003	0.0000	63.0725	63.0725	3.6100e-003	0.0000	63.1626
Worker	0.0239	0.0156	0.1749	4.8000e-004	0.0508	3.5000e-004	0.0511	0.0135	3.3000e-004	0.0138	0.0000	43.4474	43.4474	1.1400e-003	0.0000	43.4759
Total	0.0324	0.2906	0.2484	1.1400e-003	0.0665	1.1100e-003	0.0676	0.0180	1.0600e-003	0.0191	0.0000	106.5199	106.5199	4.7500e-003	0.0000	106.6385

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3.13 SCC West Expansion: Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	2.0920	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	9.7000e-004	0.0109	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7029	2.7029	7.0000e-005	0.0000	2.7047
Total	1.4900e-003	9.7000e-004	0.0109	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7029	2.7029	7.0000e-005	0.0000	2.7047

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3.13 SCC West Expansion: Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	2.0920	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	9.7000e-004	0.0109	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7029	2.7029	7.0000e-005	0.0000	2.7047
Total	1.4900e-003	9.7000e-004	0.0109	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7029	2.7029	7.0000e-005	0.0000	2.7047

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.7896	14.8463	45.4704	0.1467	12.4479	0.1540	12.6019	3.3386	0.1448	3.4835	0.0000	13,473.60 53	13,473.60 53	0.6316	0.0000	13,489.39 54
Unmitigated	2.7896	14.8463	45.4704	0.1467	12.4479	0.1540	12.6019	3.3386	0.1448	3.4835	0.0000	13,473.60 53	13,473.60 53	0.6316	0.0000	13,489.39 54

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	2,612.18	2,612.18	2612.18	9,910,285	9,910,285
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	2,859.50	2,866.50	2082.50	23,449,851	23,449,851
Total	5,471.68	5,478.68	4,694.68	33,360,136	33,360,136

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	27.00	13.50	17.55	0.00	81.00	19.00	66	28	6
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hotel	55.49	27.74	36.07	19.40	61.60	19.00	58	38	4

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Enclosed Parking with Elevator	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Hotel	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,418.6640	1,418.6640	0.0697	0.0144	1,424.7034
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,418.6640	1,418.6640	0.0697	0.0144	1,424.7034
NaturalGas Mitigated	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166
NaturalGas Unmitigated	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.49149e+007	0.0804	0.7311	0.6141	4.3900e-003		0.0556	0.0556		0.0556	0.0556	0.0000	795.9159	795.9159	0.0153	0.0146	800.6456
Total		0.0928	0.8437	0.7087	5.0700e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.49149e+007	0.0804	0.7311	0.6141	4.3900e-003		0.0556	0.0556		0.0556	0.0556	0.0000	795.9159	795.9159	0.0153	0.0146	800.6456
Total		0.0928	0.8437	0.7087	5.0700e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Enclosed Parking with Elevator	438100	117.3057	5.7600e-003	1.1900e-003	117.8051
Hotel	3.86925e+006	1,036.0308	0.0509	0.0105	1,040.4413
Total		1,418.6640	0.0697	0.0144	1,424.7034

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Enclosed Parking with Elevator	438100	117.3057	5.7600e-003	1.1900e-003	117.8051
Hotel	3.86925e+006	1,036.0308	0.0509	0.0105	1,040.4413
Total		1,418.6640	0.0697	0.0144	1,424.7034

6.0 Area Detail

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Unmitigated	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2090					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.8000e-004	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Total	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2090					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.8000e-004	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Total	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127

7.0 Water Detail

7.1 Mitigation Measures Water

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	64.0425	0.0469	0.0285	73.7189
Unmitigated	64.0425	0.0469	0.0285	73.7189

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	8.87837 / 0.986486	15.9107	0.0114	6.9600e-003	18.2710
Total		64.0425	0.0469	0.0285	73.7189

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	8.87837 / 0.986486	15.9107	0.0114	6.9600e-003	18.2710
Total		64.0425	0.0469	0.0285	73.7189

8.0 Waste Detail

8.1 Mitigation Measures Waste

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	39.2564	2.3200	0.0000	97.2561
Unmitigated	39.2564	2.3200	0.0000	97.2561

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	191.63	38.8992	2.2989	0.0000	96.3710
Total		39.2564	2.3200	0.0000	97.2561

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	191.63	38.8992	2.2989	0.0000	96.3710
Total		39.2564	2.3200	0.0000	97.2561

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Annual

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Boiler - CNG (5 - 75 MMBTU)	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.374 7	2,337.374 7	0.0448	0.0000	2,338.494 7
Total	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.374 7	2,337.374 7	0.0448	0.0000	2,338.494 7

11.0 Vegetation

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction)
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	65.00	1000sqft	0.00	65,000.00	0
Arena	63.93	1000sqft	6.52	63,930.00	0
Hotel	350.00	Room	0.56	385,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

Project Characteristics -

Land Use - "Arena" land-use used as a surrogate for Convention Center land-use.

Construction Phase - Construction schedule based on project-specific estimates. For total days of grading and paving (hotel), defaults for 10 acre site used (450ksf)

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - Total acres graded equal to site footprint.

Architectural Coating -

Vehicle Trips - Project-specific trip lengths used.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	306.00
tblConstructionPhase	NumDays	230.00	435.00
tblConstructionPhase	NumDays	230.00	174.00
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	43.00

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	110.00
tblEnergyUse	LightingElect	4.57	4.72
tblEnergyUse	LightingElect	1.75	2.63
tblEnergyUse	LightingElect	2.88	2.95
tblEnergyUse	T24E	3.41	3.58
tblEnergyUse	T24E	3.59	3.77
tblEnergyUse	T24NG	23.39	23.50
tblEnergyUse	T24NG	33.04	33.21
tblGrading	AcresOfGrading	7.00	0.56
tblGrading	AcresOfGrading	0.00	6.52
tblGrading	MaterialExported	0.00	21,800.00
tblLandUse	LandUseSquareFeet	508,200.00	385,000.00
tblLandUse	LotAcreage	1.49	0.00
tblLandUse	LotAcreage	20.55	6.52
tblLandUse	LotAcreage	11.67	0.56
tblStationaryBoilersUse	AnnualHeatInput	0.00	43,800.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	5.00
tblStationaryBoilersUse	DailyHeatInput	0.00	120.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.00	13.50
tblVehicleTrips	CC_TL	5.00	27.74
tblVehicleTrips	CNW_TL	6.50	17.55
tblVehicleTrips	CNW_TL	6.50	36.07
tblVehicleTrips	CW_TL	10.00	27.00
tblVehicleTrips	CW_TL	10.00	55.49

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

tblVehicleTrips	ST_TR	10.71	40.86
tblVehicleTrips	SU_TR	10.71	40.86
tblVehicleTrips	WD_TR	10.71	40.86

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	14.8641	175.6877	98.0694	0.2949	30.3033	6.7288	36.3082	14.8764	6.2569	20.4442	0.0000	30,671.6289	30,671.6289	3.9649	0.0000	30,770.7510
2019	17.8977	63.3926	55.9338	0.1315	4.2974	2.7483	7.0457	1.1627	2.5859	3.7486	0.0000	13,175.9081	13,175.9081	1.6417	0.0000	13,216.9520
2020	226.8651	32.4683	32.8507	0.0779	2.8028	1.4030	4.2058	0.7549	1.3329	2.0878	0.0000	7,727.0739	7,727.0739	0.8606	0.0000	7,748.5886
2021	212.4003	27.9273	28.2952	0.0706	2.4757	1.0892	3.5648	0.6681	1.0298	1.6978	0.0000	7,016.4071	7,016.4071	0.8082	0.0000	7,036.6120
Maximum	226.8651	175.6877	98.0694	0.2949	30.3033	6.7288	36.3082	14.8764	6.2569	20.4442	0.0000	30,671.6289	30,671.6289	3.9649	0.0000	30,770.7510

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	18.6466	78.9767	300.9884	0.9012	72.9197	0.8700	73.7897	19.5013	0.8185	20.3198		91,104.3881	91,104.3881	4.1319		91,207.6848
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	30.5821	84.9202	316.4505	0.9995	72.9197	2.1157	75.0354	19.5013	2.0641	21.5655		110,769.9285	110,769.9285	4.5091	0.1017	110,912.9634

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	18.6466	78.9767	300.9884	0.9012	72.9197	0.8700	73.7897	19.5013	0.8185	20.3198		91,104.3881	91,104.3881	4.1319		91,207.6848
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	30.5821	84.9202	316.4505	0.9995	72.9197	2.1157	75.0354	19.5013	2.0641	21.5655		110,769.9285	110,769.9285	4.5091	0.1017	110,912.9634

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Hotel: Demolition	Demolition	4/1/2018	4/13/2018	5	10	
2	SCC Early Utility Work and Site Preparation	Site Preparation	4/1/2018	8/31/2018	5	110	
3	Hotel: Excavation	Grading	4/14/2018	5/3/2018	5	14	
4	Hotel: Construction	Building Construction	5/4/2018	1/2/2019	5	174	
5	SCC East Expansion: Demolition	Demolition	4/1/2018	4/13/2018	5	10	
6	SCC East Expansion: Construction	Building Construction	4/15/2018	3/29/2019	5	250	
7	Hotel: Paving	Paving	5/4/2018	5/31/2018	5	20	
8	Hotel: Interior and Exterior Finish Work	Architectural Coating	1/3/2019	3/5/2020	5	306	
9	SCC East Expansion: Architectural Coating	Architectural Coating	3/2/2020	3/27/2020	5	20	
10	SCC West Expansion: Demolition	Demolition	6/1/2019	7/31/2019	5	43	
11	SCC West Expansion: Building Construction	Building Construction	8/1/2019	3/31/2021	5	435	
12	SCC West Expansion: Architectural Coating	Architectural Coating	3/4/2021	3/31/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,395; Non-Residential Outdoor: 224,465; Striped Parking Area: 3,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hotel: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Demolition	Excavators	3	8.00	158	0.38
Hotel: Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

SCC Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Hotel: Excavation	Excavators	1	8.00	158	0.38
Hotel: Excavation	Graders	1	8.00	187	0.41
Hotel: Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Hotel: Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel: Construction	Cranes	1	7.00	231	0.29
Hotel: Construction	Forklifts	3	8.00	89	0.20
Hotel: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Construction	Welders	1	8.00	46	0.45
SCC East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC East Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC East Expansion: Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Construction	Forklifts	3	8.00	89	0.20
SCC East Expansion: Construction	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Construction	Welders	1	8.00	46	0.45
Hotel: Paving	Pavers	2	8.00	130	0.42
Hotel: Paving	Paving Equipment	2	8.00	132	0.36
Hotel: Paving	Rollers	2	8.00	80	0.38
Hotel: Interior and Exterior Finish Work	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Demolition	Excavators	3	8.00	158	0.38

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

SCC West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC West Expansion: Building Construction	Cranes	1	7.00	231	0.29
SCC West Expansion: Building Construction	Forklifts	3	8.00	89	0.20
SCC West Expansion: Building Construction	Generator Sets	1	8.00	84	0.74
SCC West Expansion: Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC West Expansion: Building Construction	Welders	1	8.00	46	0.45
SCC West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Hotel: Demolition	6	15.00	0.00	88.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Excavation	6	15.00	0.00	2,725.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Interior and Exterior Finish Work	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Building Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.2 Hotel: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9744	1.9386	3.9130	0.2990	1.8048	2.1038		3,871.7665	3,871.7665	1.0667		3,898.4344

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0835	2.8061	0.7261	7.1400e-003	0.1532	0.0126	0.1657	0.0419	0.0120	0.0539		763.0564	763.0564	0.0447		764.1732
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1608	2.8500	1.3293	8.4200e-003	0.2673	0.0134	0.2807	0.0722	0.0128	0.0850		890.1602	890.1602	0.0490		891.3863

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.2 Hotel: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9744	1.9386	3.9130	0.2990	1.8048	2.1038	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0835	2.8061	0.7261	7.1400e-003	0.1532	0.0126	0.1657	0.0419	0.0120	0.0539		763.0564	763.0564	0.0447		764.1732
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1608	2.8500	1.3293	8.4200e-003	0.2673	0.0134	0.2807	0.0722	0.0128	0.0850		890.1602	890.1602	0.0490		891.3863

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.3 SCC Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1291	0.0000	18.1291	9.9375	0.0000	9.9375			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.1291	2.5769	20.7060	9.9375	2.3708	12.3082		3,831.6239	3,831.6239	1.1928		3,861.4448

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557
Total	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.3 SCC Early Utility Work and Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1291	0.0000	18.1291	9.9375	0.0000	9.9375			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.1291	2.5769	20.7060	9.9375	2.3708	12.3082	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557
Total	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.4 Hotel: Excavation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3865	0.0000	6.3865	3.3636	0.0000	3.3636			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.3865	1.5513	7.9379	3.3636	1.4272	4.7908		2,988.0216	2,988.0216	0.9302		3,011.2769

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8473	62.0677	16.0605	0.1579	3.3879	0.2778	3.6657	0.9274	0.2658	1.1932		16,877.6683	16,877.6683	0.9880		16,902.3694
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	1.9246	62.1116	16.6637	0.1591	3.5020	0.2787	3.7807	0.9576	0.2666	1.2242		17,004.7721	17,004.7721	0.9924		17,029.5824

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.4 Hotel: Excavation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3865	0.0000	6.3865	3.3636	0.0000	3.3636			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.3865	1.5513	7.9379	3.3636	1.4272	4.7908	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8473	62.0677	16.0605	0.1579	3.3879	0.2778	3.6657	0.9274	0.2658	1.1932		16,877.6683	16,877.6683	0.9880		16,902.3694
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	1.9246	62.1116	16.6637	0.1591	3.5020	0.2787	3.7807	0.9576	0.2666	1.2242		17,004.7721	17,004.7721	0.9924		17,029.5824

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.5 Hotel: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4512	10.6307	3.4692	0.0212	0.5056	0.0850	0.5906	0.1455	0.0813	0.2268		2,243.457 1	2,243.457 1	0.1391		2,246.934 5
Worker	1.1132	0.6314	8.6853	0.0184	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,830.294 6	1,830.294 6	0.0630		1,831.868 4
Total	1.5643	11.2622	12.1545	0.0396	2.1487	0.0971	2.2458	0.5814	0.0925	0.6738		4,073.751 7	4,073.751 7	0.2020		4,078.802 9

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.5 Hotel: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4512	10.6307	3.4692	0.0212	0.5056	0.0850	0.5906	0.1455	0.0813	0.2268		2,243.457 1	2,243.457 1	0.1391		2,246.934 5
Worker	1.1132	0.6314	8.6853	0.0184	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,830.294 6	1,830.294 6	0.0630		1,831.868 4
Total	1.5643	11.2622	12.1545	0.0396	2.1487	0.0971	2.2458	0.5814	0.0925	0.6738		4,073.751 7	4,073.751 7	0.2020		4,078.802 9

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.5 Hotel: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.5 Hotel: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.6 SCC East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513		3,871.7665	3,871.7665	1.0667		3,898.4344

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0683	2.2959	0.5941	5.8400e-003	0.1253	0.0103	0.1356	0.0343	9.8300e-003	0.0441		624.3189	624.3189	0.0366		625.2326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1456	2.3398	1.1972	7.1200e-003	0.2394	0.0111	0.2505	0.0646	0.0106	0.0752		751.4227	751.4227	0.0409		752.4457

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.6 SCC East Expansion: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0683	2.2959	0.5941	5.8400e-003	0.1253	0.0103	0.1356	0.0343	9.8300e-003	0.0441		624.3189	624.3189	0.0366		625.2326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1456	2.3398	1.1972	7.1200e-003	0.2394	0.0111	0.2505	0.0646	0.0106	0.0752		751.4227	751.4227	0.0409		752.4457

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.7 SCC East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4512	10.6307	3.4692	0.0212	0.5056	0.0850	0.5906	0.1455	0.0813	0.2268		2,243.457 1	2,243.457 1	0.1391		2,246.934 5
Worker	1.1132	0.6314	8.6853	0.0184	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,830.294 6	1,830.294 6	0.0630		1,831.868 4
Total	1.5643	11.2622	12.1545	0.0396	2.1487	0.0971	2.2458	0.5814	0.0925	0.6738		4,073.751 7	4,073.751 7	0.2020		4,078.802 9

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.7 SCC East Expansion: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4512	10.6307	3.4692	0.0212	0.5056	0.0850	0.5906	0.1455	0.0813	0.2268		2,243.457 1	2,243.457 1	0.1391		2,246.934 5
Worker	1.1132	0.6314	8.6853	0.0184	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,830.294 6	1,830.294 6	0.0630		1,831.868 4
Total	1.5643	11.2622	12.1545	0.0396	2.1487	0.0971	2.2458	0.5814	0.0925	0.6738		4,073.751 7	4,073.751 7	0.2020		4,078.802 9

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.7 SCC East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.7 SCC East Expansion: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.8 Hotel: Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.8 Hotel: Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929
Total	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929
Total	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.10 SCC East Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	209.2251	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.10 SCC East Expansion: Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	209.2251	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.11 SCC West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5108	0.0000	2.5108	0.3802	0.0000	0.3802			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	2.5108	1.7949	4.3057	0.3802	1.6697	2.0498		3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0969	3.3310	0.8201	8.9100e-003	0.1934	0.0143	0.2078	0.0529	0.0137	0.0667		953.4509	953.4509	0.0553		954.8338
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1672	3.3696	1.3617	0.0101	0.3075	0.0151	0.3227	0.0832	0.0145	0.0977		1,076.247 2	1,076.247 2	0.0592		1,077.726 7

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.11 SCC West Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5108	0.0000	2.5108	0.3802	0.0000	0.3802			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	2.5108	1.7949	4.3057	0.3802	1.6697	2.0498	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0969	3.3310	0.8201	8.9100e-003	0.1934	0.0143	0.2078	0.0529	0.0137	0.0667		953.4509	953.4509	0.0553		954.8338
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1672	3.3696	1.3617	0.0101	0.3075	0.0151	0.3227	0.0832	0.0145	0.0977		1,076.247 2	1,076.247 2	0.0592		1,077.726 7

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3168	9.2236	2.4790	0.0209	0.5055	0.0481	0.5536	0.1455	0.0460	0.1915		2,214.7056	2,214.7056	0.1255		2,217.8430
Worker	0.9314	0.4943	7.0524	0.0172	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,713.9880	1,713.9880	0.0491		1,715.2156
Total	1.2482	9.7178	9.5315	0.0381	2.1486	0.0595	2.2081	0.5813	0.0565	0.6379		3,928.6936	3,928.6936	0.1746		3,933.0586

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3168	9.2236	2.4790	0.0209	0.5055	0.0481	0.5536	0.1455	0.0460	0.1915		2,214.705 6	2,214.705 6	0.1255		2,217.843 0
Worker	0.9314	0.4943	7.0524	0.0172	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,713.988 0	1,713.988 0	0.0491		1,715.215 6
Total	1.2482	9.7178	9.5315	0.0381	2.1486	0.0595	2.2081	0.5813	0.0565	0.6379		3,928.693 6	3,928.693 6	0.1746		3,933.058 6

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2596	8.4370	2.1544	0.0207	0.5055	0.0231	0.5286	0.1455	0.0221	0.1676		2,196.4144	2,196.4144	0.1200		2,199.4155
Worker	0.8657	0.4432	6.4617	0.0166	1.6431	0.0111	1.6542	0.4359	0.0102	0.4461		1,655.5947	1,655.5947	0.0441		1,656.6961
Total	1.1253	8.8802	8.6161	0.0374	2.1486	0.0342	2.1828	0.5813	0.0324	0.6137		3,852.0091	3,852.0091	0.1641		3,856.1116

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2596	8.4370	2.1544	0.0207	0.5055	0.0231	0.5286	0.1455	0.0221	0.1676		2,196.4144	2,196.4144	0.1200		2,199.4155
Worker	0.8657	0.4432	6.4617	0.0166	1.6431	0.0111	1.6542	0.4359	0.0102	0.4461		1,655.5947	1,655.5947	0.0441		1,656.6961
Total	1.1253	8.8802	8.6161	0.0374	2.1486	0.0342	2.1828	0.5813	0.0324	0.6137		3,852.0091	3,852.0091	0.1641		3,856.1116

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.13 SCC West Expansion: Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	209.2018	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1723	0.0882	1.2864	3.3100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		329.5860	329.5860	8.7700e-003		329.8052
Total	0.1723	0.0882	1.2864	3.3100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		329.5860	329.5860	8.7700e-003		329.8052

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

3.13 SCC West Expansion: Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	209.2018	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1723	0.0882	1.2864	3.3100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		329.5860	329.5860	8.7700e-003		329.8052
Total	0.1723	0.0882	1.2864	3.3100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		329.5860	329.5860	8.7700e-003		329.8052

4.0 Operational Detail - Mobile

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.6466	78.9767	300.9884	0.9012	72.9197	0.8700	73.7897	19.5013	0.8185	20.3198		91,104.3881	91,104.3881	4.1319		91,207.6848
Unmitigated	18.6466	78.9767	300.9884	0.9012	72.9197	0.8700	73.7897	19.5013	0.8185	20.3198		91,104.3881	91,104.3881	4.1319		91,207.6848

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	2,612.18	2,612.18	2612.18	9,910,285	9,910,285
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	2,859.50	2,866.50	2082.50	23,449,851	23,449,851
Total	5,471.68	5,478.68	4,694.68	33,360,136	33,360,136

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	27.00	13.50	17.55	0.00	81.00	19.00	66	28	6
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hotel	55.49	27.74	36.07	19.40	61.60	19.00	58	38	4

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Enclosed Parking with Elevator	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Hotel	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
NaturalGas Unmitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40862.7	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40.8627	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

6.0 Area Detail

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Unmitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531

11.0 Vegetation

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction)
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	65.00	1000sqft	0.00	65,000.00	0
Arena	63.93	1000sqft	6.52	63,930.00	0
Hotel	350.00	Room	0.56	385,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

Project Characteristics -

Land Use - "Arena" land-use used as a surrogate for Convention Center land-use.

Construction Phase - Construction schedule based on project-specific estimates. For total days of grading and paving (hotel), defaults for 10 acre site used (450ksf)

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - Total acres graded equal to site footprint.

Architectural Coating -

Vehicle Trips - Project-specific trip lengths used.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	306.00
tblConstructionPhase	NumDays	230.00	435.00
tblConstructionPhase	NumDays	230.00	174.00
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	43.00

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	110.00
tblEnergyUse	LightingElect	4.57	4.72
tblEnergyUse	LightingElect	1.75	2.63
tblEnergyUse	LightingElect	2.88	2.95
tblEnergyUse	T24E	3.41	3.58
tblEnergyUse	T24E	3.59	3.77
tblEnergyUse	T24NG	23.39	23.50
tblEnergyUse	T24NG	33.04	33.21
tblGrading	AcresOfGrading	7.00	0.56
tblGrading	AcresOfGrading	0.00	6.52
tblGrading	MaterialExported	0.00	21,800.00
tblLandUse	LandUseSquareFeet	508,200.00	385,000.00
tblLandUse	LotAcreage	1.49	0.00
tblLandUse	LotAcreage	20.55	6.52
tblLandUse	LotAcreage	11.67	0.56
tblStationaryBoilersUse	AnnualHeatInput	0.00	43,800.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	5.00
tblStationaryBoilersUse	DailyHeatInput	0.00	120.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	CC_TL	5.00	13.50
tblVehicleTrips	CC_TL	5.00	27.74
tblVehicleTrips	CNW_TL	6.50	17.55
tblVehicleTrips	CNW_TL	6.50	36.07
tblVehicleTrips	CW_TL	10.00	27.00
tblVehicleTrips	CW_TL	10.00	55.49

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

tblVehicleTrips	ST_TR	10.71	40.86
tblVehicleTrips	SU_TR	10.71	40.86
tblVehicleTrips	WD_TR	10.71	40.86

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	14.7257	178.9012	96.4628	0.2895	30.3033	6.7331	36.3190	14.8764	6.2610	20.4546	0.0000	30,110.1663	30,110.1663	4.0176	0.0000	30,210.6065
2019	17.8215	64.1469	54.5818	0.1261	4.2974	2.7523	7.0497	1.1627	2.5897	3.7524	0.0000	12,633.4824	12,633.4824	1.6514	0.0000	12,674.7685
2020	226.7780	32.8195	31.8059	0.0744	2.8028	1.4046	4.2074	0.7549	1.3345	2.0893	0.0000	7,378.6258	7,378.6258	0.8628	0.0000	7,400.1949
2021	212.3336	28.1910	27.5001	0.0676	2.4757	1.0906	3.5663	0.6681	1.0311	1.6992	0.0000	6,718.2247	6,718.2247	0.8118	0.0000	6,738.5195
Maximum	226.7780	178.9012	96.4628	0.2895	30.3033	6.7331	36.3190	14.8764	6.2610	20.4546	0.0000	30,110.1663	30,110.1663	4.0176	0.0000	30,210.6065

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	15.2676	87.2950	258.6212	0.8116	72.9197	0.8746	73.7943	19.5013	0.8229	20.3242		82,184.0601	82,184.0601	3.9451		82,282.6878
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	27.2031	93.2384	274.0833	0.9100	72.9197	2.1203	75.0400	19.5013	2.0685	21.5698		101,849.6005	101,849.6005	4.3223	0.1017	101,987.9663

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	15.2676	87.2950	258.6212	0.8116	72.9197	0.8746	73.7943	19.5013	0.8229	20.3242		82,184.0601	82,184.0601	3.9451		82,282.6878
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	27.2031	93.2384	274.0833	0.9100	72.9197	2.1203	75.0400	19.5013	2.0685	21.5698		101,849.6005	101,849.6005	4.3223	0.1017	101,987.9663

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Hotel: Demolition	Demolition	4/1/2018	4/13/2018	5	10	
2	SCC Early Utility Work and Site Preparation	Site Preparation	4/1/2018	8/31/2018	5	110	
3	Hotel: Excavation	Grading	4/14/2018	5/3/2018	5	14	
4	Hotel: Construction	Building Construction	5/4/2018	1/2/2019	5	174	
5	SCC East Expansion: Demolition	Demolition	4/1/2018	4/13/2018	5	10	
6	SCC East Expansion: Construction	Building Construction	4/15/2018	3/29/2019	5	250	
7	Hotel: Paving	Paving	5/4/2018	5/31/2018	5	20	
8	Hotel: Interior and Exterior Finish Work	Architectural Coating	1/3/2019	3/5/2020	5	306	
9	SCC East Expansion: Architectural Coating	Architectural Coating	3/2/2020	3/27/2020	5	20	
10	SCC West Expansion: Demolition	Demolition	6/1/2019	7/31/2019	5	43	
11	SCC West Expansion: Building Construction	Building Construction	8/1/2019	3/31/2021	5	435	
12	SCC West Expansion: Architectural Coating	Architectural Coating	3/4/2021	3/31/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,395; Non-Residential Outdoor: 224,465; Striped Parking Area: 3,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hotel: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Demolition	Excavators	3	8.00	158	0.38
Hotel: Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

SCC Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Hotel: Excavation	Excavators	1	8.00	158	0.38
Hotel: Excavation	Graders	1	8.00	187	0.41
Hotel: Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Hotel: Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel: Construction	Cranes	1	7.00	231	0.29
Hotel: Construction	Forklifts	3	8.00	89	0.20
Hotel: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Construction	Welders	1	8.00	46	0.45
SCC East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC East Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC East Expansion: Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Construction	Forklifts	3	8.00	89	0.20
SCC East Expansion: Construction	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Construction	Welders	1	8.00	46	0.45
Hotel: Paving	Pavers	2	8.00	130	0.42
Hotel: Paving	Paving Equipment	2	8.00	132	0.36
Hotel: Paving	Rollers	2	8.00	80	0.38
Hotel: Interior and Exterior Finish Work	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Demolition	Excavators	3	8.00	158	0.38

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

SCC West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC West Expansion: Building Construction	Cranes	1	7.00	231	0.29
SCC West Expansion: Building Construction	Forklifts	3	8.00	89	0.20
SCC West Expansion: Building Construction	Generator Sets	1	8.00	84	0.74
SCC West Expansion: Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC West Expansion: Building Construction	Welders	1	8.00	46	0.45
SCC West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Hotel: Demolition	6	15.00	0.00	88.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Excavation	6	15.00	0.00	2,725.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Interior and Exterior Finish Work	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Building Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.2 Hotel: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9744	1.9386	3.9130	0.2990	1.8048	2.1038		3,871.7665	3,871.7665	1.0667		3,898.4344

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0868	2.9308	0.7799	7.0300e-003	0.1532	0.0130	0.1661	0.0419	0.0124	0.0543		751.7880	751.7880	0.0469		752.9602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1581	2.9850	1.3021	8.1500e-003	0.2673	0.0138	0.2811	0.0722	0.0132	0.0854		863.4322	863.4322	0.0508		864.7017

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.2 Hotel: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9744	1.9386	3.9130	0.2990	1.8048	2.1038	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0868	2.9308	0.7799	7.0300e-003	0.1532	0.0130	0.1661	0.0419	0.0124	0.0543		751.7880	751.7880	0.0469		752.9602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1581	2.9850	1.3021	8.1500e-003	0.2673	0.0138	0.2811	0.0722	0.0132	0.0854		863.4322	863.4322	0.0508		864.7017

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.3 SCC Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1291	0.0000	18.1291	9.9375	0.0000	9.9375			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.1291	2.5769	20.7060	9.9375	2.3708	12.3082		3,831.6239	3,831.6239	1.1928		3,861.4448

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898
Total	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.3 SCC Early Utility Work and Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1291	0.0000	18.1291	9.9375	0.0000	9.9375			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.1291	2.5769	20.7060	9.9375	2.3708	12.3082	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898
Total	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.4 Hotel: Excavation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3865	0.0000	6.3865	3.3636	0.0000	3.3636			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.3865	1.5513	7.9379	3.3636	1.4272	4.7908		2,988.0216	2,988.0216	0.9302		3,011.2769

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9200	64.8244	17.2505	0.1555	3.3879	0.2865	3.6744	0.9274	0.2741	1.2015		16,628.4280	16,628.4280	1.0370		16,654.3539
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	1.9913	64.8787	17.7727	0.1567	3.5020	0.2873	3.7893	0.9576	0.2749	1.2325		16,740.0722	16,740.0722	1.0409		16,766.0954

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.4 Hotel: Excavation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3865	0.0000	6.3865	3.3636	0.0000	3.3636			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.3865	1.5513	7.9379	3.3636	1.4272	4.7908	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9200	64.8244	17.2505	0.1555	3.3879	0.2865	3.6744	0.9274	0.2741	1.2015		16,628.4280	16,628.4280	1.0370		16,654.3539
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	1.9913	64.8787	17.7727	0.1567	3.5020	0.2873	3.7893	0.9576	0.2749	1.2325		16,740.0722	16,740.0722	1.0409		16,766.0954

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.5 Hotel: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4747	10.9150	3.9202	0.0207	0.5056	0.0871	0.5928	0.1455	0.0834	0.2289		2,187.863 9	2,187.863 9	0.1508		2,191.633 2
Worker	1.0270	0.7812	7.5200	0.0162	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,607.676 6	1,607.676 6	0.0561		1,609.078 0
Total	1.5017	11.6961	11.4402	0.0369	2.1487	0.0992	2.2480	0.5814	0.0945	0.6759		3,795.540 4	3,795.540 4	0.2068		3,800.711 2

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.5 Hotel: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4747	10.9150	3.9202	0.0207	0.5056	0.0871	0.5928	0.1455	0.0834	0.2289		2,187.863 9	2,187.863 9	0.1508		2,191.633 2
Worker	1.0270	0.7812	7.5200	0.0162	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,607.676 6	1,607.676 6	0.0561		1,609.078 0
Total	1.5017	11.6961	11.4402	0.0369	2.1487	0.0992	2.2480	0.5814	0.0945	0.6759		3,795.540 4	3,795.540 4	0.2068		3,800.711 2

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.5 Hotel: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.1208	2,172.1208	0.1451		2,175.7481
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.0403	1,553.0403	0.0493		1,554.2727
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.1611	3,725.1611	0.1944		3,730.0208

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.5 Hotel: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.120 8	2,172.120 8	0.1451		2,175.748 1
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.040 3	1,553.040 3	0.0493		1,554.272 7
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.161 1	3,725.161 1	0.1944		3,730.020 8

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.6 SCC East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513		3,871.7665	3,871.7665	1.0667		3,898.4344

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0710	2.3979	0.6381	5.7500e-003	0.1253	0.0106	0.1359	0.0343	0.0101	0.0444		615.0993	615.0993	0.0384		616.0583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1423	2.4522	1.1603	6.8700e-003	0.2394	0.0114	0.2509	0.0646	0.0109	0.0755		726.7435	726.7435	0.0423		727.7998

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.6 SCC East Expansion: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0710	2.3979	0.6381	5.7500e-003	0.1253	0.0106	0.1359	0.0343	0.0101	0.0444		615.0993	615.0993	0.0384		616.0583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1423	2.4522	1.1603	6.8700e-003	0.2394	0.0114	0.2509	0.0646	0.0109	0.0755		726.7435	726.7435	0.0423		727.7998

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.7 SCC East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4747	10.9150	3.9202	0.0207	0.5056	0.0871	0.5928	0.1455	0.0834	0.2289		2,187.863 9	2,187.863 9	0.1508		2,191.633 2
Worker	1.0270	0.7812	7.5200	0.0162	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,607.676 6	1,607.676 6	0.0561		1,609.078 0
Total	1.5017	11.6961	11.4402	0.0369	2.1487	0.0992	2.2480	0.5814	0.0945	0.6759		3,795.540 4	3,795.540 4	0.2068		3,800.711 2

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.7 SCC East Expansion: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4747	10.9150	3.9202	0.0207	0.5056	0.0871	0.5928	0.1455	0.0834	0.2289		2,187.863 9	2,187.863 9	0.1508		2,191.633 2
Worker	1.0270	0.7812	7.5200	0.0162	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,607.676 6	1,607.676 6	0.0561		1,609.078 0
Total	1.5017	11.6961	11.4402	0.0369	2.1487	0.0992	2.2480	0.5814	0.0945	0.6759		3,795.540 4	3,795.540 4	0.2068		3,800.711 2

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.7 SCC East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.1208	2,172.1208	0.1451		2,175.7481
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.0403	1,553.0403	0.0493		1,554.2727
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.1611	3,725.1611	0.1944		3,730.0208

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.7 SCC East Expansion: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.120 8	2,172.120 8	0.1451		2,175.748 1
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.040 3	1,553.040 3	0.0493		1,554.272 7
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.161 1	3,725.161 1	0.1944		3,730.020 8

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.8 Hotel: Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.8 Hotel: Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154
Total	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154
Total	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.10 SCC East Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	209.2251	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.10 SCC East Expansion: Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	209.2251	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.11 SCC West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5108	0.0000	2.5108	0.3802	0.0000	0.3802			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	2.5108	1.7949	4.3057	0.3802	1.6697	2.0498		3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1004	3.4739	0.8797	8.7700e-003	0.1934	0.0148	0.2082	0.0529	0.0141	0.0671		939.1238	939.1238	0.0580		940.5739
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1651	3.5216	1.3456	9.8500e-003	0.3075	0.0156	0.3231	0.0832	0.0149	0.0981		1,046.973 8	1,046.973 8	0.0614		1,048.509 5

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.11 SCC West Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5108	0.0000	2.5108	0.3802	0.0000	0.3802			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	2.5108	1.7949	4.3057	0.3802	1.6697	2.0498	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1004	3.4739	0.8797	8.7700e-003	0.1934	0.0148	0.2082	0.0529	0.0141	0.0671		939.1238	939.1238	0.0580		940.5739
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1651	3.5216	1.3456	9.8500e-003	0.3075	0.0156	0.3231	0.0832	0.0149	0.0981		1,046.973 8	1,046.973 8	0.0614		1,048.509 5

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.1208	2,172.1208	0.1451		2,175.7481
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.0403	1,553.0403	0.0493		1,554.2727
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.1611	3,725.1611	0.1944		3,730.0208

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.120 8	2,172.120 8	0.1451		2,175.748 1
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.040 3	1,553.040 3	0.0493		1,554.272 7
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.161 1	3,725.161 1	0.1944		3,730.020 8

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3337	9.4120	2.8517	0.0204	0.5055	0.0497	0.5552	0.1455	0.0475	0.1930		2,158.063 3	2,158.063 3	0.1358		2,161.458 6
Worker	0.8570	0.6107	6.0387	0.0151	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,505.279 2	1,505.279 2	0.0433		1,506.361 2
Total	1.1907	10.0226	8.8903	0.0355	2.1486	0.0611	2.2097	0.5813	0.0581	0.6394		3,663.342 5	3,663.342 5	0.1791		3,667.819 8

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3337	9.4120	2.8517	0.0204	0.5055	0.0497	0.5552	0.1455	0.0475	0.1930		2,158.063 3	2,158.063 3	0.1358		2,161.458 6
Worker	0.8570	0.6107	6.0387	0.0151	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,505.279 2	1,505.279 2	0.0433		1,506.361 2
Total	1.1907	10.0226	8.8903	0.0355	2.1486	0.0611	2.2097	0.5813	0.0581	0.6394		3,663.342 5	3,663.342 5	0.1791		3,667.819 8

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2750	8.5758	2.4986	0.0202	0.5055	0.0246	0.5300	0.1455	0.0235	0.1690		2,139.9174	2,139.9174	0.1300		2,143.1674
Worker	0.7972	0.5473	5.5115	0.0146	1.6431	0.0111	1.6542	0.4359	0.0102	0.4461		1,454.0348	1,454.0348	0.0388		1,455.0035
Total	1.0722	9.1231	8.0101	0.0348	2.1486	0.0357	2.1842	0.5813	0.0337	0.6150		3,593.9521	3,593.9521	0.1688		3,598.1709

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2750	8.5758	2.4986	0.0202	0.5055	0.0246	0.5300	0.1455	0.0235	0.1690		2,139.9174	2,139.9174	0.1300		2,143.1674
Worker	0.7972	0.5473	5.5115	0.0146	1.6431	0.0111	1.6542	0.4359	0.0102	0.4461		1,454.0348	1,454.0348	0.0388		1,455.0035
Total	1.0722	9.1231	8.0101	0.0348	2.1486	0.0357	2.1842	0.5813	0.0337	0.6150		3,593.9521	3,593.9521	0.1688		3,598.1709

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.13 SCC West Expansion: Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	209.2018	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1587	0.1090	1.0972	2.9100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		289.4606	289.4606	7.7100e-003		289.6535
Total	0.1587	0.1090	1.0972	2.9100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		289.4606	289.4606	7.7100e-003		289.6535

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

3.13 SCC West Expansion: Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	209.2018	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1587	0.1090	1.0972	2.9100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		289.4606	289.4606	7.7100e-003		289.6535
Total	0.1587	0.1090	1.0972	2.9100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		289.4606	289.4606	7.7100e-003		289.6535

4.0 Operational Detail - Mobile

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.2676	87.2950	258.6212	0.8116	72.9197	0.8746	73.7943	19.5013	0.8229	20.3242		82,184.0601	82,184.0601	3.9451		82,282.6878
Unmitigated	15.2676	87.2950	258.6212	0.8116	72.9197	0.8746	73.7943	19.5013	0.8229	20.3242		82,184.0601	82,184.0601	3.9451		82,282.6878

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	2,612.18	2,612.18	2612.18	9,910,285	9,910,285
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	2,859.50	2,866.50	2082.50	23,449,851	23,449,851
Total	5,471.68	5,478.68	4,694.68	33,360,136	33,360,136

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	27.00	13.50	17.55	0.00	81.00	19.00	66	28	6
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hotel	55.49	27.74	36.07	19.40	61.60	19.00	58	38	4

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Enclosed Parking with Elevator	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Hotel	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
NaturalGas Unmitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40862.7	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40.8627	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

6.0 Area Detail

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Unmitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Sacramento Convention Center and Hotel (Maximum Daily; Phased Construction) - Sacramento County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.88 83	14,117.88 83	0.2706		14,124.65 31
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.88 83	14,117.88 83	0.2706		14,124.65 31

11.0 Vegetation

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction)
Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	65.00	1000sqft	0.00	65,000.00	0
Arena	63.93	1000sqft	6.52	63,930.00	0
Hotel	350.00	Room	0.56	385,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

Project Characteristics -

Land Use - "Arena" land-use used as a surrogate for Convention Center land-use.

Construction Phase - Construction schedule based on project-specific estimates. For total days of grading and paving (hotel), defaults for 10 acre site used (450ksf)

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - Total acres graded equal to site footprint.

Architectural Coating -

Vehicle Trips - Project-specific trip lengths used.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	306.00
tblConstructionPhase	NumDays	230.00	435.00
tblConstructionPhase	NumDays	230.00	174.00
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	45.00

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	109.00
tblEnergyUse	LightingElect	4.57	4.72
tblEnergyUse	LightingElect	1.75	2.63
tblEnergyUse	LightingElect	2.88	2.95
tblEnergyUse	T24E	3.41	3.58
tblEnergyUse	T24E	3.59	3.77
tblEnergyUse	T24NG	23.39	23.50
tblEnergyUse	T24NG	33.04	33.21
tblGrading	AcresOfGrading	0.00	6.52
tblLandUse	LandUseSquareFeet	508,200.00	385,000.00
tblLandUse	LotAcreage	1.49	0.00
tblLandUse	LotAcreage	20.55	6.52
tblLandUse	LotAcreage	11.67	0.56
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblStationaryBoilersUse	AnnualHeatInput	0.00	43,800.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	5.00
tblStationaryBoilersUse	DailyHeatInput	0.00	120.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	478.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,725.00
tblTripsAndVMT	HaulingTripNumber	0.00	72.00
tblTripsAndVMT	VendorTripNumber	0.00	84.00
tblTripsAndVMT	VendorTripNumber	84.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	84.00

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

tblTripsAndVMT	VendorTripNumber	84.00	0.00
tblTripsAndVMT	WorkerTripNumber	43.00	15.00
tblTripsAndVMT	WorkerTripNumber	43.00	216.00
tblTripsAndVMT	WorkerTripNumber	216.00	15.00
tblTripsAndVMT	WorkerTripNumber	30.00	216.00
tblTripsAndVMT	WorkerTripNumber	216.00	15.00
tblVehicleTrips	CC_TL	5.00	13.50
tblVehicleTrips	CC_TL	5.00	27.74
tblVehicleTrips	CNW_TL	6.50	17.55
tblVehicleTrips	CNW_TL	6.50	36.07
tblVehicleTrips	CW_TL	10.00	27.00
tblVehicleTrips	CW_TL	10.00	55.49
tblVehicleTrips	ST_TR	10.71	40.86
tblVehicleTrips	SU_TR	10.71	40.86
tblVehicleTrips	WD_TR	10.71	40.86

2.0 Emissions Summary

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	4.5455	19.5729	13.7187	0.0301	2.1218	0.8967	3.0185	0.8483	0.8360	1.6843	0.0000	2,726.2997	2,726.2997	0.4881	0.0000	2,738.5032
2020	2.1336	4.0366	3.7017	9.0100e-003	0.3105	0.1680	0.4785	0.0841	0.1588	0.2429	0.0000	812.9304	812.9304	0.0980	0.0000	815.3806
2021	2.1867	0.8647	0.8079	2.0600e-003	0.0696	0.0328	0.1024	0.0189	0.0309	0.0497	0.0000	185.8999	185.8999	0.0229	0.0000	186.4718
Maximum	4.5455	19.5729	13.7187	0.0301	2.1218	0.8967	3.0185	0.8483	0.8360	1.6843	0.0000	2,726.2997	2,726.2997	0.4881	0.0000	2,738.5032

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	4.5455	19.5729	13.7187	0.0301	2.1218	0.8967	3.0185	0.8483	0.8360	1.6843	0.0000	2,726.2978	2,726.2978	0.4881	0.0000	2,738.5013
2020	2.1336	4.0366	3.7017	9.0100e-003	0.3105	0.1680	0.4785	0.0841	0.1588	0.2429	0.0000	812.9300	812.9300	0.0980	0.0000	815.3802
2021	2.1867	0.8647	0.8079	2.0600e-003	0.0696	0.0328	0.1024	0.0189	0.0309	0.0497	0.0000	185.8998	185.8998	0.0229	0.0000	186.4717
Maximum	4.5455	19.5729	13.7187	0.0301	2.1218	0.8967	3.0185	0.8483	0.8360	1.6843	0.0000	2,726.2978	2,726.2978	0.4881	0.0000	2,738.5013

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
4	10-17-2018	1-16-2019	0.9408	0.9408
5	1-17-2019	4-16-2019	6.2033	6.2033
6	4-17-2019	7-16-2019	5.5882	5.5882
7	7-17-2019	10-16-2019	6.1779	6.1779
8	10-17-2019	1-16-2020	5.4068	5.4068
9	1-17-2020	4-16-2020	1.5714	1.5714
10	4-17-2020	7-16-2020	1.5646	1.5646
11	7-17-2020	10-16-2020	1.5832	1.5832
12	10-17-2020	1-16-2021	1.3292	1.3292
13	1-17-2021	4-16-2021	2.8904	2.8904
		Highest	6.2033	6.2033

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Energy	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	2,337.1227	2,337.1227	0.0873	0.0313	2,348.6200
Mobile	2.7896	14.8463	45.4704	0.1467	12.4479	0.1540	12.6019	3.3386	0.1448	3.4835	0.0000	13,473.6053	13,473.6053	0.6316	0.0000	13,489.3954
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Waste						0.0000	0.0000		0.0000	0.0000	39.2564	0.0000	39.2564	2.3200	0.0000	97.2561
Water						0.0000	0.0000		0.0000	0.0000	12.8846	51.1580	64.0425	0.0469	0.0285	73.7189
Total	4.9676	15.9310	48.2894	0.1646	12.4479	0.3813	12.8292	3.3386	0.3722	3.7108	52.1410	18,199.2726	18,251.4136	3.1306	0.0598	18,347.4978

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Energy	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	2,337.1227	2,337.1227	0.0873	0.0313	2,348.6200
Mobile	2.7896	14.8463	45.4704	0.1467	12.4479	0.1540	12.6019	3.3386	0.1448	3.4835	0.0000	13,473.6053	13,473.6053	0.6316	0.0000	13,489.3954
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Waste						0.0000	0.0000		0.0000	0.0000	39.2564	0.0000	39.2564	2.3200	0.0000	97.2561
Water						0.0000	0.0000		0.0000	0.0000	12.8846	51.1580	64.0425	0.0469	0.0285	73.7189
Total	4.9676	15.9310	48.2894	0.1646	12.4479	0.3813	12.8292	3.3386	0.3722	3.7108	52.1410	18,199.2726	18,251.4136	3.1306	0.0598	18,347.4978

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Hotel: Demolition	Demolition	1/1/2019	1/14/2019	5	10	
2	SCC Early Utility Work and Site Preparation	Site Preparation	1/1/2019	5/31/2019	5	109	
3	SCC East Expansion: Demolition	Demolition	1/1/2019	1/14/2019	5	10	
4	Hotel: Excavation	Grading	1/15/2019	2/1/2019	5	14	
5	SCC East Expansion: Construction	Building Construction	1/1/2019	12/16/2019	5	250	
6	Hotel: Construction	Building Construction	2/2/2019	10/3/2019	5	174	
7	Hotel: Paving	Paving	2/2/2019	3/1/2019	5	20	
8	Hotel: Interior and Exterior Finish Work	Architectural Coating	10/4/2019	12/4/2020	5	306	
9	SCC West Expansion: Demolition	Demolition	7/15/2019	9/13/2019	5	45	
10	SCC West Expansion: Building Construction	Building Construction	8/1/2019	3/31/2021	5	435	
11	SCC East Expansion: Architectural Coating	Architectural Coating	11/19/2019	12/16/2019	5	20	
12	SCC West Expansion: Architectural Coating	Architectural Coating	3/4/2021	3/31/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,395; Non-Residential Outdoor: 224,465; Striped Parking Area: 3,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hotel: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Demolition	Excavators	3	8.00	158	0.38
Hotel: Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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SCC Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Hotel: Construction	Excavators	1	8.00	158	0.38
Hotel: Construction	Graders	1	8.00	187	0.41
Hotel: Construction	Rubber Tired Dozers	1	8.00	247	0.40
Hotel: Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel: Excavation	Cranes	1	7.00	231	0.29
Hotel: Excavation	Forklifts	3	8.00	89	0.20
Hotel: Excavation	Generator Sets	1	8.00	84	0.74
Hotel: Excavation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Excavation	Welders	1	8.00	46	0.45
Hotel: Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Construction	Excavators	3	8.00	158	0.38
Hotel: Construction	Rubber Tired Dozers	2	8.00	247	0.40
Hotel: Construction	Cranes	1	7.00	231	0.29
Hotel: Construction	Forklifts	3	8.00	89	0.20
Hotel: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Construction	Welders	1	8.00	46	0.45
Hotel: Paving	Pavers	2	8.00	130	0.42
Hotel: Paving	Paving Equipment	2	8.00	132	0.36
Hotel: Paving	Rollers	2	8.00	80	0.38
Hotel: Interior and Exterior Finish Work	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Concrete/Industrial Saws	1	8.00	81	0.73
SCC East Expansion: Architectural Coating	Excavators	3	8.00	158	0.38

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SCC East Expansion: Architectural Coating	Rubber Tired Dozers	2	8.00	247	0.40
SCC East Expansion: Architectural Coating	Cranes	1	7.00	231	0.29
SCC East Expansion: Architectural Coating	Forklifts	3	8.00	89	0.20
SCC East Expansion: Architectural Coating	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Architectural Coating	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Architectural Coating	Welders	1	8.00	46	0.45
SCC West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Building Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC West Expansion: Demolition	Excavators	3	8.00	158	0.38
Hotel: Excavation	Excavators	1	8.00	158	0.38
SCC West Expansion: Building Construction	Forklifts	3	8.00	89	0.20
SCC East Expansion: Construction	Forklifts	3	8.00	89	0.20
SCC West Expansion: Building Construction	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Excavation	Graders	1	8.00	187	0.41
SCC East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Hotel: Excavation	Rubber Tired Dozers	1	8.00	247	0.40
SCC West Expansion: Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

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SCC West Expansion: Building Construction	Welders	1	8.00	46	0.45
SCC East Expansion: Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Hotel: Demolition	6	15.00	0.00	88.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	21	15.00	0.00	2,725.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Excavation	12	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	21	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	21	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Interior and Exterior Finish Work	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	16	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	16	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	16	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Building Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Demolition	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Demolition	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Hotel: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8700e-003	0.0000	9.8700e-003	1.4900e-003	0.0000	1.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3132	17.3132	4.8200e-003	0.0000	17.4336
Total	0.0176	0.1789	0.1103	1.9000e-004	9.8700e-003	8.9700e-003	0.0188	1.4900e-003	8.3500e-003	9.8400e-003	0.0000	17.3132	17.3132	4.8200e-003	0.0000	17.4336

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9000e-004	0.0137	3.3100e-003	4.0000e-005	7.4000e-004	6.0000e-005	8.0000e-004	2.0000e-004	5.0000e-005	2.6000e-004	0.0000	3.4020	3.4020	2.0000e-004	0.0000	3.4071
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.3000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5035	0.5035	2.0000e-005	0.0000	0.5039
Total	6.9000e-004	0.0139	5.6100e-003	5.0000e-005	1.2900e-003	6.0000e-005	1.3500e-003	3.5000e-004	5.0000e-005	4.1000e-004	0.0000	3.9056	3.9056	2.2000e-004	0.0000	3.9110

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3.2 Hotel: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8700e-003	0.0000	9.8700e-003	1.4900e-003	0.0000	1.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3131	17.3131	4.8200e-003	0.0000	17.4336
Total	0.0176	0.1789	0.1103	1.9000e-004	9.8700e-003	8.9700e-003	0.0188	1.4900e-003	8.3500e-003	9.8400e-003	0.0000	17.3131	17.3131	4.8200e-003	0.0000	17.4336

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.9000e-004	0.0137	3.3100e-003	4.0000e-005	7.4000e-004	6.0000e-005	8.0000e-004	2.0000e-004	5.0000e-005	2.6000e-004	0.0000	3.4020	3.4020	2.0000e-004	0.0000	3.4071
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.3000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5035	0.5035	2.0000e-005	0.0000	0.5039
Total	6.9000e-004	0.0139	5.6100e-003	5.0000e-005	1.2900e-003	6.0000e-005	1.3500e-003	3.5000e-004	5.0000e-005	4.1000e-004	0.0000	3.9056	3.9056	2.2000e-004	0.0000	3.9110

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3.3 SCC Early Utility Work and Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9881	0.0000	0.9881	0.5416	0.0000	0.5416	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2363	2.4837	1.2024	2.0700e-003		0.1303	0.1303		0.1199	0.1199	0.0000	186.2193	186.2193	0.0589	0.0000	187.6923
Total	0.2363	2.4837	1.2024	2.0700e-003	0.9881	0.1303	1.1183	0.5416	0.1199	0.6615	0.0000	186.2193	186.2193	0.0589	0.0000	187.6923

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9700e-003	2.7900e-003	0.0301	7.0000e-005	7.2000e-003	5.0000e-005	7.2600e-003	1.9200e-003	5.0000e-005	1.9700e-003	0.0000	6.5862	6.5862	2.0000e-004	0.0000	6.5913
Total	3.9700e-003	2.7900e-003	0.0301	7.0000e-005	7.2000e-003	5.0000e-005	7.2600e-003	1.9200e-003	5.0000e-005	1.9700e-003	0.0000	6.5862	6.5862	2.0000e-004	0.0000	6.5913

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3.3 SCC Early Utility Work and Site Preparation - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9881	0.0000	0.9881	0.5416	0.0000	0.5416	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2363	2.4837	1.2024	2.0700e-003		0.1303	0.1303		0.1199	0.1199	0.0000	186.2191	186.2191	0.0589	0.0000	187.6921
Total	0.2363	2.4837	1.2024	2.0700e-003	0.9881	0.1303	1.1183	0.5416	0.1199	0.6615	0.0000	186.2191	186.2191	0.0589	0.0000	187.6921

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9700e-003	2.7900e-003	0.0301	7.0000e-005	7.2000e-003	5.0000e-005	7.2600e-003	1.9200e-003	5.0000e-005	1.9700e-003	0.0000	6.5862	6.5862	2.0000e-004	0.0000	6.5913
Total	3.9700e-003	2.7900e-003	0.0301	7.0000e-005	7.2000e-003	5.0000e-005	7.2600e-003	1.9200e-003	5.0000e-005	1.9700e-003	0.0000	6.5862	6.5862	2.0000e-004	0.0000	6.5913

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3.4 SCC East Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3132	17.3132	4.8200e-003	0.0000	17.4336
Total	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3132	17.3132	4.8200e-003	0.0000	17.4336

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.3000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5035	0.5035	2.0000e-005	0.0000	0.5039
Total	3.0000e-004	2.1000e-004	2.3000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5035	0.5035	2.0000e-005	0.0000	0.5039

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.4 SCC East Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3131	17.3131	4.8200e-003	0.0000	17.4336
Total	0.0176	0.1789	0.1103	1.9000e-004		8.9700e-003	8.9700e-003		8.3500e-003	8.3500e-003	0.0000	17.3131	17.3131	4.8200e-003	0.0000	17.4336

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.3000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5035	0.5035	2.0000e-005	0.0000	0.5039
Total	3.0000e-004	2.1000e-004	2.3000e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5035	0.5035	2.0000e-005	0.0000	0.5039

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.5 Hotel: Excavation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0459	0.0000	0.0459	0.0236	0.0000	0.0236	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0297	0.2969	0.1858	3.3000e-004		0.0155	0.0155		0.0145	0.0145	0.0000	29.2479	29.2479	8.0600e-003	0.0000	29.4493
Total	0.0297	0.2969	0.1858	3.3000e-004	0.0459	0.0155	0.0614	0.0236	0.0145	0.0380	0.0000	29.2479	29.2479	8.0600e-003	0.0000	29.4493

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8200e-003	0.0721	0.0220	1.5000e-004	3.4400e-003	5.1000e-004	3.9500e-003	9.9000e-004	4.9000e-004	1.4900e-003	0.0000	13.9997	13.9997	8.8000e-004	0.0000	14.0217
Worker	6.1100e-003	4.3000e-003	0.0464	1.1000e-004	0.0111	8.0000e-005	0.0112	2.9500e-003	8.0000e-005	3.0300e-003	0.0000	10.1512	10.1512	3.2000e-004	0.0000	10.1591
Total	8.9300e-003	0.0764	0.0684	2.6000e-004	0.0145	5.9000e-004	0.0151	3.9400e-003	5.7000e-004	4.5200e-003	0.0000	24.1509	24.1509	1.2000e-003	0.0000	24.1807

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.5 Hotel: Excavation - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0459	0.0000	0.0459	0.0236	0.0000	0.0236	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0297	0.2969	0.1858	3.3000e-004		0.0155	0.0155		0.0145	0.0145	0.0000	29.2479	29.2479	8.0600e-003	0.0000	29.4493
Total	0.0297	0.2969	0.1858	3.3000e-004	0.0459	0.0155	0.0614	0.0236	0.0145	0.0380	0.0000	29.2479	29.2479	8.0600e-003	0.0000	29.4493

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8200e-003	0.0721	0.0220	1.5000e-004	3.4400e-003	5.1000e-004	3.9500e-003	9.9000e-004	4.9000e-004	1.4900e-003	0.0000	13.9997	13.9997	8.8000e-004	0.0000	14.0217
Worker	6.1100e-003	4.3000e-003	0.0464	1.1000e-004	0.0111	8.0000e-005	0.0112	2.9500e-003	8.0000e-005	3.0300e-003	0.0000	10.1512	10.1512	3.2000e-004	0.0000	10.1591
Total	8.9300e-003	0.0764	0.0684	2.6000e-004	0.0145	5.9000e-004	0.0151	3.9400e-003	5.7000e-004	4.5200e-003	0.0000	24.1509	24.1509	1.2000e-003	0.0000	24.1807

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.6 SCC East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2952	2.6349	2.1455	3.3600e-003		0.1612	0.1612		0.1516	0.1516	0.0000	293.8803	293.8803	0.0716	0.0000	295.6701
Total	0.2952	2.6349	2.1455	3.3600e-003		0.1612	0.1612		0.1516	0.1516	0.0000	293.8803	293.8803	0.0716	0.0000	295.6701

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0503	1.2880	0.3937	2.6100e-003	0.0614	9.1800e-003	0.0706	0.0178	8.7800e-003	0.0265	0.0000	249.9950	249.9950	0.0157	0.0000	250.3868
Worker	0.1092	0.0767	0.8285	2.0100e-003	0.1983	1.4600e-003	0.1998	0.0527	1.3500e-003	0.0541	0.0000	181.2710	181.2710	5.6400e-003	0.0000	181.4119
Total	0.1595	1.3648	1.2221	4.6200e-003	0.2597	0.0106	0.2703	0.0705	0.0101	0.0806	0.0000	431.2660	431.2660	0.0213	0.0000	431.7987

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.6 SCC East Expansion: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2952	2.6349	2.1455	3.3600e-003		0.1612	0.1612		0.1516	0.1516	0.0000	293.8799	293.8799	0.0716	0.0000	295.6697
Total	0.2952	2.6349	2.1455	3.3600e-003		0.1612	0.1612		0.1516	0.1516	0.0000	293.8799	293.8799	0.0716	0.0000	295.6697

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0503	1.2880	0.3937	2.6100e-003	0.0614	9.1800e-003	0.0706	0.0178	8.7800e-003	0.0265	0.0000	249.9950	249.9950	0.0157	0.0000	250.3868
Worker	0.1092	0.0767	0.8285	2.0100e-003	0.1983	1.4600e-003	0.1998	0.0527	1.3500e-003	0.0541	0.0000	181.2710	181.2710	5.6400e-003	0.0000	181.4119
Total	0.1595	1.3648	1.2221	4.6200e-003	0.2597	0.0106	0.2703	0.0705	0.0101	0.0806	0.0000	431.2660	431.2660	0.0213	0.0000	431.7987

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.7 Hotel: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7356	7.4133	4.8300	8.3000e-003		0.3899	0.3899		0.3626	0.3626	0.0000	737.5774	737.5774	0.2070	0.0000	742.7516
Total	0.7356	7.4133	4.8300	8.3000e-003		0.3899	0.3899		0.3626	0.3626	0.0000	737.5774	737.5774	0.2070	0.0000	742.7516

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0123	0.4345	0.1051	1.1100e-003	0.0591	1.8300e-003	0.0609	0.0152	1.7500e-003	0.0169	0.0000	108.1303	108.1303	6.4300e-003	0.0000	108.2911
Vendor	0.0350	0.8965	0.2740	1.8100e-003	0.1031	6.3900e-003	0.1094	0.0272	6.1100e-003	0.0333	0.0000	173.9965	173.9965	0.0109	0.0000	174.2692
Worker	0.0866	0.0608	0.6567	1.5900e-003	0.4289	1.1600e-003	0.4301	0.1085	1.0700e-003	0.1096	0.0000	143.6874	143.6874	4.4700e-003	0.0000	143.7992
Total	0.1339	1.3918	1.0358	4.5100e-003	0.5911	9.3800e-003	0.6004	0.1509	8.9300e-003	0.1598	0.0000	425.8143	425.8143	0.0218	0.0000	426.3595

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.7 Hotel: Construction - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7356	7.4132	4.8300	8.3000e-003		0.3899	0.3899		0.3626	0.3626	0.0000	737.5765	737.5765	0.2070	0.0000	742.7507
Total	0.7356	7.4132	4.8300	8.3000e-003		0.3899	0.3899		0.3626	0.3626	0.0000	737.5765	737.5765	0.2070	0.0000	742.7507

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0123	0.4345	0.1051	1.1100e-003	0.0591	1.8300e-003	0.0609	0.0152	1.7500e-003	0.0169	0.0000	108.1303	108.1303	6.4300e-003	0.0000	108.2911
Vendor	0.0350	0.8965	0.2740	1.8100e-003	0.1031	6.3900e-003	0.1094	0.0272	6.1100e-003	0.0333	0.0000	173.9965	173.9965	0.0109	0.0000	174.2692
Worker	0.0866	0.0608	0.6567	1.5900e-003	0.4289	1.1600e-003	0.4301	0.1085	1.0700e-003	0.1096	0.0000	143.6874	143.6874	4.4700e-003	0.0000	143.7992
Total	0.1339	1.3918	1.0358	4.5100e-003	0.5911	9.3800e-003	0.6004	0.1509	8.9300e-003	0.1598	0.0000	425.8143	425.8143	0.0218	0.0000	426.3595

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.8 Hotel: Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.3000e-004	4.6000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0071	1.0071	3.0000e-005	0.0000	1.0078
Total	6.1000e-004	4.3000e-004	4.6000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0071	1.0071	3.0000e-005	0.0000	1.0078

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.8 Hotel: Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0145	0.1524	0.1467	2.3000e-004		8.2500e-003	8.2500e-003		7.5900e-003	7.5900e-003	0.0000	20.4752	20.4752	6.4800e-003	0.0000	20.6371

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.3000e-004	4.6000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0071	1.0071	3.0000e-005	0.0000	1.0078
Total	6.1000e-004	4.3000e-004	4.6000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0071	1.0071	3.0000e-005	0.0000	1.0078

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.9 Hotel: Interior and Exterior Finish Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3900e-003	0.0578	0.0580	9.0000e-005		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	8.0428	8.0428	6.8000e-004	0.0000	8.0597
Total	0.4387	0.0578	0.0580	9.0000e-005		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	8.0428	8.0428	6.8000e-004	0.0000	8.0597

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4800e-003	3.8500e-003	0.0416	1.0000e-004	9.9500e-003	7.0000e-005	0.0100	2.6500e-003	7.0000e-005	2.7100e-003	0.0000	9.0938	9.0938	2.8000e-004	0.0000	9.1008
Total	5.4800e-003	3.8500e-003	0.0416	1.0000e-004	9.9500e-003	7.0000e-005	0.0100	2.6500e-003	7.0000e-005	2.7100e-003	0.0000	9.0938	9.0938	2.8000e-004	0.0000	9.1008

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.9 Hotel: Interior and Exterior Finish Work - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3900e-003	0.0578	0.0580	9.0000e-005		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	8.0427	8.0427	6.8000e-004	0.0000	8.0597
Total	0.4387	0.0578	0.0580	9.0000e-005		4.0600e-003	4.0600e-003		4.0600e-003	4.0600e-003	0.0000	8.0427	8.0427	6.8000e-004	0.0000	8.0597

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4800e-003	3.8500e-003	0.0416	1.0000e-004	9.9500e-003	7.0000e-005	0.0100	2.6500e-003	7.0000e-005	2.7100e-003	0.0000	9.0938	9.0938	2.8000e-004	0.0000	9.1008
Total	5.4800e-003	3.8500e-003	0.0416	1.0000e-004	9.9500e-003	7.0000e-005	0.0100	2.6500e-003	7.0000e-005	2.7100e-003	0.0000	9.0938	9.0938	2.8000e-004	0.0000	9.1008

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.9 Hotel: Interior and Exterior Finish Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6596					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0294	0.2046	0.2225	3.6000e-004		0.0135	0.0135		0.0135	0.0135	0.0000	31.0220	31.0220	2.4000e-003	0.0000	31.0821
Total	1.6890	0.2046	0.2225	3.6000e-004		0.0135	0.0135		0.0135	0.0135	0.0000	31.0220	31.0220	2.4000e-003	0.0000	31.0821

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0195	0.0132	0.1446	3.8000e-004	0.0384	2.8000e-004	0.0387	0.0102	2.5000e-004	0.0105	0.0000	33.9977	33.9977	9.6000e-004	0.0000	34.0217
Total	0.0195	0.0132	0.1446	3.8000e-004	0.0384	2.8000e-004	0.0387	0.0102	2.5000e-004	0.0105	0.0000	33.9977	33.9977	9.6000e-004	0.0000	34.0217

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.9 Hotel: Interior and Exterior Finish Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6596					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0294	0.2046	0.2225	3.6000e-004		0.0135	0.0135		0.0135	0.0135	0.0000	31.0220	31.0220	2.4000e-003	0.0000	31.0820
Total	1.6890	0.2046	0.2225	3.6000e-004		0.0135	0.0135		0.0135	0.0135	0.0000	31.0220	31.0220	2.4000e-003	0.0000	31.0820

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0195	0.0132	0.1446	3.8000e-004	0.0384	2.8000e-004	0.0387	0.0102	2.5000e-004	0.0105	0.0000	33.9977	33.9977	9.6000e-004	0.0000	34.0217
Total	0.0195	0.0132	0.1446	3.8000e-004	0.0384	2.8000e-004	0.0387	0.0102	2.5000e-004	0.0105	0.0000	33.9977	33.9977	9.6000e-004	0.0000	34.0217

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.10 SCC West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0791	0.8051	0.4964	8.7000e-004		0.0404	0.0404		0.0376	0.0376	0.0000	77.9092	77.9092	0.0217	0.0000	78.4511
Total	0.0791	0.8051	0.4964	8.7000e-004		0.0404	0.0404		0.0376	0.0376	0.0000	77.9092	77.9092	0.0217	0.0000	78.4511

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	9.6000e-004	0.0104	3.0000e-005	2.4800e-003	2.0000e-005	2.5000e-003	6.6000e-004	2.0000e-005	6.8000e-004	0.0000	2.2659	2.2659	7.0000e-005	0.0000	2.2677
Total	1.3600e-003	9.6000e-004	0.0104	3.0000e-005	2.4800e-003	2.0000e-005	2.5000e-003	6.6000e-004	2.0000e-005	6.8000e-004	0.0000	2.2659	2.2659	7.0000e-005	0.0000	2.2677

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.10 SCC West Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0791	0.8051	0.4964	8.7000e-004		0.0404	0.0404		0.0376	0.0376	0.0000	77.9092	77.9092	0.0217	0.0000	78.4510
Total	0.0791	0.8051	0.4964	8.7000e-004		0.0404	0.0404		0.0376	0.0376	0.0000	77.9092	77.9092	0.0217	0.0000	78.4510

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	9.6000e-004	0.0104	3.0000e-005	2.4800e-003	2.0000e-005	2.5000e-003	6.6000e-004	2.0000e-005	6.8000e-004	0.0000	2.2659	2.2659	7.0000e-005	0.0000	2.2677
Total	1.3600e-003	9.6000e-004	0.0104	3.0000e-005	2.4800e-003	2.0000e-005	2.5000e-003	6.6000e-004	2.0000e-005	6.8000e-004	0.0000	2.2659	2.2659	7.0000e-005	0.0000	2.2677

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.11 SCC West Expansion: Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1318	128.1318	0.0312	0.0000	128.9121
Total	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1318	128.1318	0.0312	0.0000	128.9121

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0219	0.5616	0.1716	1.1400e-003	0.0268	4.0000e-003	0.0308	7.7400e-003	3.8300e-003	0.0116	0.0000	108.9978	108.9978	6.8300e-003	0.0000	109.1687
Worker	0.0476	0.0335	0.3612	8.8000e-004	0.0865	6.4000e-004	0.0871	0.0230	5.9000e-004	0.0236	0.0000	79.0341	79.0341	2.4600e-003	0.0000	79.0956
Total	0.0695	0.5950	0.5328	2.0200e-003	0.1132	4.6400e-003	0.1179	0.0307	4.4200e-003	0.0352	0.0000	188.0320	188.0320	9.2900e-003	0.0000	188.2642

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.11 SCC West Expansion: Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1316	128.1316	0.0312	0.0000	128.9120
Total	0.1287	1.1488	0.9354	1.4700e-003		0.0703	0.0703		0.0661	0.0661	0.0000	128.1316	128.1316	0.0312	0.0000	128.9120

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0219	0.5616	0.1716	1.1400e-003	0.0268	4.0000e-003	0.0308	7.7400e-003	3.8300e-003	0.0116	0.0000	108.9978	108.9978	6.8300e-003	0.0000	109.1687
Worker	0.0476	0.0335	0.3612	8.8000e-004	0.0865	6.4000e-004	0.0871	0.0230	5.9000e-004	0.0236	0.0000	79.0341	79.0341	2.4600e-003	0.0000	79.0956
Total	0.0695	0.5950	0.5328	2.0200e-003	0.1132	4.6400e-003	0.1179	0.0307	4.4200e-003	0.0352	0.0000	188.0320	188.0320	9.2900e-003	0.0000	188.2642

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.11 SCC West Expansion: Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0421	1.2340	0.3442	2.7100e-003	0.0643	6.3900e-003	0.0707	0.0186	6.1100e-003	0.0247	0.0000	260.3694	260.3694	0.0154	0.0000	260.7548
Worker	0.1053	0.0714	0.7833	2.0400e-003	0.2078	1.5000e-003	0.2093	0.0553	1.3800e-003	0.0567	0.0000	184.1323	184.1323	5.2100e-003	0.0000	184.2624
Total	0.1475	1.3055	1.1274	4.7500e-003	0.2722	7.8900e-003	0.2800	0.0739	7.4900e-003	0.0814	0.0000	444.5016	444.5016	0.0206	0.0000	445.0172

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.11 SCC West Expansion: Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0421	1.2340	0.3442	2.7100e-003	0.0643	6.3900e-003	0.0707	0.0186	6.1100e-003	0.0247	0.0000	260.3694	260.3694	0.0154	0.0000	260.7548
Worker	0.1053	0.0714	0.7833	2.0400e-003	0.2078	1.5000e-003	0.2093	0.0553	1.3800e-003	0.0567	0.0000	184.1323	184.1323	5.2100e-003	0.0000	184.2624
Total	0.1475	1.3055	1.1274	4.7500e-003	0.2722	7.8900e-003	0.2800	0.0739	7.4900e-003	0.0814	0.0000	444.5016	444.5016	0.0206	0.0000	445.0172

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.11 SCC West Expansion: Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1239	74.1239	0.0179	0.0000	74.5710
Total	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1239	74.1239	0.0179	0.0000	74.5710

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4500e-003	0.2750	0.0735	6.6000e-004	0.0157	7.6000e-004	0.0165	4.5400e-003	7.3000e-004	5.2700e-003	0.0000	63.0725	63.0725	3.6100e-003	0.0000	63.1626
Worker	0.0239	0.0156	0.1749	4.8000e-004	0.0508	3.5000e-004	0.0511	0.0135	3.3000e-004	0.0138	0.0000	43.4474	43.4474	1.1400e-003	0.0000	43.4759
Total	0.0324	0.2906	0.2484	1.1400e-003	0.0665	1.1100e-003	0.0676	0.0180	1.0600e-003	0.0191	0.0000	106.5199	106.5199	4.7500e-003	0.0000	106.6385

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.11 SCC West Expansion: Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1238	74.1238	0.0179	0.0000	74.5709
Total	0.0608	0.5578	0.5304	8.6000e-004		0.0307	0.0307		0.0288	0.0288	0.0000	74.1238	74.1238	0.0179	0.0000	74.5709

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4500e-003	0.2750	0.0735	6.6000e-004	0.0157	7.6000e-004	0.0165	4.5400e-003	7.3000e-004	5.2700e-003	0.0000	63.0725	63.0725	3.6100e-003	0.0000	63.1626
Worker	0.0239	0.0156	0.1749	4.8000e-004	0.0508	3.5000e-004	0.0511	0.0135	3.3000e-004	0.0138	0.0000	43.4474	43.4474	1.1400e-003	0.0000	43.4759
Total	0.0324	0.2906	0.2484	1.1400e-003	0.0665	1.1100e-003	0.0676	0.0180	1.0600e-003	0.0191	0.0000	106.5199	106.5199	4.7500e-003	0.0000	106.6385

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3.12 SCC East Expansion: Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0614	0.5870	0.4107	6.9000e-004		0.0321	0.0321		0.0301	0.0301	0.0000	60.6900	60.6900	0.0156	0.0000	61.0794
Total	2.1512	0.5870	0.4107	6.9000e-004		0.0321	0.0321		0.0301	0.0301	0.0000	60.6900	60.6900	0.0156	0.0000	61.0794

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0743	0.0180	1.9000e-004	0.0101	3.1000e-004	0.0104	2.6000e-003	3.0000e-004	2.9000e-003	0.0000	18.4792	18.4792	1.1000e-003	0.0000	18.5067
Vendor	4.0300e-003	0.1030	0.0315	2.1000e-004	0.0118	7.3000e-004	0.0126	3.1200e-003	7.0000e-004	3.8200e-003	0.0000	19.9996	19.9996	1.2500e-003	0.0000	20.0310
Worker	0.0111	7.7800e-003	0.0841	2.0000e-004	0.0549	1.5000e-004	0.0551	0.0139	1.4000e-004	0.0140	0.0000	18.3956	18.3956	5.7000e-004	0.0000	18.4100
Total	0.0172	0.1851	0.1335	6.0000e-004	0.0769	1.1900e-003	0.0781	0.0196	1.1400e-003	0.0208	0.0000	56.8744	56.8744	2.9200e-003	0.0000	56.9476

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3.12 SCC East Expansion: Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0614	0.5870	0.4107	6.9000e-004		0.0321	0.0321		0.0301	0.0301	0.0000	60.6899	60.6899	0.0156	0.0000	61.0793
Total	2.1512	0.5870	0.4107	6.9000e-004		0.0321	0.0321		0.0301	0.0301	0.0000	60.6899	60.6899	0.0156	0.0000	61.0793

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0743	0.0180	1.9000e-004	0.0101	3.1000e-004	0.0104	2.6000e-003	3.0000e-004	2.9000e-003	0.0000	18.4792	18.4792	1.1000e-003	0.0000	18.5067
Vendor	4.0300e-003	0.1030	0.0315	2.1000e-004	0.0118	7.3000e-004	0.0126	3.1200e-003	7.0000e-004	3.8200e-003	0.0000	19.9996	19.9996	1.2500e-003	0.0000	20.0310
Worker	0.0111	7.7800e-003	0.0841	2.0000e-004	0.0549	1.5000e-004	0.0551	0.0139	1.4000e-004	0.0140	0.0000	18.3956	18.3956	5.7000e-004	0.0000	18.4100
Total	0.0172	0.1851	0.1335	6.0000e-004	0.0769	1.1900e-003	0.0781	0.0196	1.1400e-003	0.0208	0.0000	56.8744	56.8744	2.9200e-003	0.0000	56.9476

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

3.13 SCC West Expansion: Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	2.0920	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	9.7000e-004	0.0109	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7029	2.7029	7.0000e-005	0.0000	2.7047
Total	1.4900e-003	9.7000e-004	0.0109	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7029	2.7029	7.0000e-005	0.0000	2.7047

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3.13 SCC West Expansion: Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	2.0920	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4900e-003	9.7000e-004	0.0109	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7029	2.7029	7.0000e-005	0.0000	2.7047
Total	1.4900e-003	9.7000e-004	0.0109	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7029	2.7029	7.0000e-005	0.0000	2.7047

4.0 Operational Detail - Mobile

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.7896	14.8463	45.4704	0.1467	12.4479	0.1540	12.6019	3.3386	0.1448	3.4835	0.0000	13,473.60 53	13,473.60 53	0.6316	0.0000	13,489.39 54
Unmitigated	2.7896	14.8463	45.4704	0.1467	12.4479	0.1540	12.6019	3.3386	0.1448	3.4835	0.0000	13,473.60 53	13,473.60 53	0.6316	0.0000	13,489.39 54

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	2,612.18	2,612.18	2612.18	9,910,285	9,910,285
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	2,859.50	2,866.50	2082.50	23,449,851	23,449,851
Total	5,471.68	5,478.68	4,694.68	33,360,136	33,360,136

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	27.00	13.50	17.55	0.00	81.00	19.00	66	28	6
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hotel	55.49	27.74	36.07	19.40	61.60	19.00	58	38	4

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Enclosed Parking with Elevator	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Hotel	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,418.6640	1,418.6640	0.0697	0.0144	1,424.7034
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,418.6640	1,418.6640	0.0697	0.0144	1,424.7034
NaturalGas Mitigated	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166
NaturalGas Unmitigated	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.49149e+007	0.0804	0.7311	0.6141	4.3900e-003		0.0556	0.0556		0.0556	0.0556	0.0000	795.9159	795.9159	0.0153	0.0146	800.6456
Total		0.0928	0.8437	0.7087	5.0700e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.49149e+007	0.0804	0.7311	0.6141	4.3900e-003		0.0556	0.0556		0.0556	0.0556	0.0000	795.9159	795.9159	0.0153	0.0146	800.6456
Total		0.0928	0.8437	0.7087	5.0700e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Enclosed Parking with Elevator	438100	117.3057	5.7600e-003	1.1900e-003	117.8051
Hotel	3.86925e+006	1,036.0308	0.0509	0.0105	1,040.4413
Total		1,418.6640	0.0697	0.0144	1,424.7034

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Enclosed Parking with Elevator	438100	117.3057	5.7600e-003	1.1900e-003	117.8051
Hotel	3.86925e+006	1,036.0308	0.0509	0.0105	1,040.4413
Total		1,418.6640	0.0697	0.0144	1,424.7034

6.0 Area Detail

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Unmitigated	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2090					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.8000e-004	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Total	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2090					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.8000e-004	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Total	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127

7.0 Water Detail

7.1 Mitigation Measures Water

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	64.0425	0.0469	0.0285	73.7189
Unmitigated	64.0425	0.0469	0.0285	73.7189

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	8.87837 / 0.986486	15.9107	0.0114	6.9600e-003	18.2710
Total		64.0425	0.0469	0.0285	73.7189

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	8.87837 / 0.986486	15.9107	0.0114	6.9600e-003	18.2710
Total		64.0425	0.0469	0.0285	73.7189

8.0 Waste Detail

8.1 Mitigation Measures Waste

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	39.2564	2.3200	0.0000	97.2561
Unmitigated	39.2564	2.3200	0.0000	97.2561

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	191.63	38.8992	2.2989	0.0000	96.3710
Total		39.2564	2.3200	0.0000	97.2561

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	191.63	38.8992	2.2989	0.0000	96.3710
Total		39.2564	2.3200	0.0000	97.2561

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Annual

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Boiler - CNG (5 - 75 MMBTU)	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Total	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947

11.0 Vegetation

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

**Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction)
Sacramento County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	65.00	1000sqft	0.00	65,000.00	0
Arena	63.93	1000sqft	6.52	63,930.00	0
Hotel	350.00	Room	0.56	385,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

Project Characteristics -

Land Use - "Arena" land-use used as a surrogate for Convention Center land-use.

Construction Phase - Construction schedule based on project-specific estimates. For total days of grading and paving (hotel), defaults for 10 acre site used (450ksf)

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - Total acres graded equal to site footprint.

Architectural Coating -

Vehicle Trips - Project-specific trip lengths used.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	306.00
tblConstructionPhase	NumDays	230.00	435.00
tblConstructionPhase	NumDays	230.00	174.00
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	45.00

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	109.00
tblEnergyUse	LightingElect	4.57	4.72
tblEnergyUse	LightingElect	1.75	2.63
tblEnergyUse	LightingElect	2.88	2.95
tblEnergyUse	T24E	3.41	3.58
tblEnergyUse	T24E	3.59	3.77
tblEnergyUse	T24NG	23.39	23.50
tblEnergyUse	T24NG	33.04	33.21
tblGrading	AcresOfGrading	0.00	6.52
tblLandUse	LandUseSquareFeet	508,200.00	385,000.00
tblLandUse	LotAcreage	1.49	0.00
tblLandUse	LotAcreage	20.55	6.52
tblLandUse	LotAcreage	11.67	0.56
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblStationaryBoilersUse	AnnualHeatInput	0.00	43,800.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	5.00
tblStationaryBoilersUse	DailyHeatInput	0.00	120.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	478.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,725.00
tblTripsAndVMT	HaulingTripNumber	0.00	72.00
tblTripsAndVMT	VendorTripNumber	0.00	84.00
tblTripsAndVMT	VendorTripNumber	84.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	84.00

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

tblTripsAndVMT	VendorTripNumber	84.00	0.00
tblTripsAndVMT	WorkerTripNumber	43.00	15.00
tblTripsAndVMT	WorkerTripNumber	43.00	216.00
tblTripsAndVMT	WorkerTripNumber	216.00	15.00
tblTripsAndVMT	WorkerTripNumber	30.00	216.00
tblTripsAndVMT	WorkerTripNumber	216.00	15.00
tblVehicleTrips	CC_TL	5.00	13.50
tblVehicleTrips	CC_TL	5.00	27.74
tblVehicleTrips	CNW_TL	6.50	17.55
tblVehicleTrips	CNW_TL	6.50	36.07
tblVehicleTrips	CW_TL	10.00	27.00
tblVehicleTrips	CW_TL	10.00	55.49
tblVehicleTrips	ST_TR	10.71	40.86
tblVehicleTrips	SU_TR	10.71	40.86
tblVehicleTrips	WD_TR	10.71	40.86

2.0 Emissions Summary

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	238.6820	199.9355	147.1249	0.3211	29.1163	9.1797	36.7650	14.5040	8.5259	20.9056	0.0000	32,081.59 57	32,081.59 57	5.6347	0.0000	32,221.77 18
2020	17.4546	30.6861	29.6153	0.0715	2.4757	1.2898	3.7655	0.6681	1.2199	1.8880	0.0000	7,104.415 2	7,104.415 2	0.8290	0.0000	7,125.140 8
2021	212.4003	27.9273	28.2952	0.0706	2.4757	1.0892	3.5648	0.6681	1.0298	1.6978	0.0000	7,016.407 1	7,016.407 1	0.8082	0.0000	7,036.612 0
Maximum	238.6820	199.9355	147.1249	0.3211	29.1163	9.1797	36.7650	14.5040	8.5259	20.9056	0.0000	32,081.59 57	32,081.59 57	5.6347	0.0000	32,221.77 18

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	238.6820	199.9355	147.1249	0.3211	29.1163	9.1797	36.7650	14.5040	8.5259	20.9056	0.0000	32,081.59 57	32,081.59 57	5.6347	0.0000	32,221.77 18
2020	17.4546	30.6861	29.6153	0.0715	2.4757	1.2898	3.7655	0.6681	1.2199	1.8880	0.0000	7,104.415 2	7,104.415 2	0.8290	0.0000	7,125.140 8
2021	212.4003	27.9273	28.2952	0.0706	2.4757	1.0892	3.5648	0.6681	1.0298	1.6978	0.0000	7,016.407 1	7,016.407 1	0.8082	0.0000	7,036.612 0
Maximum	238.6820	199.9355	147.1249	0.3211	29.1163	9.1797	36.7650	14.5040	8.5259	20.9056	0.0000	32,081.59 57	32,081.59 57	5.6347	0.0000	32,221.77 18

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	18.6466	78.9767	300.9884	0.9012	72.9197	0.8700	73.7897	19.5013	0.8185	20.3198		91,104.3881	91,104.3881	4.1319		91,207.6848
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	30.5821	84.9202	316.4505	0.9995	72.9197	2.1157	75.0354	19.5013	2.0641	21.5655		110,769.9285	110,769.9285	4.5091	0.1017	110,912.9634

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	18.6466	78.9767	300.9884	0.9012	72.9197	0.8700	73.7897	19.5013	0.8185	20.3198		91,104.3881	91,104.3881	4.1319		91,207.6848
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	30.5821	84.9202	316.4505	0.9995	72.9197	2.1157	75.0354	19.5013	2.0641	21.5655		110,769.9285	110,769.9285	4.5091	0.1017	110,912.9634

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Hotel: Demolition	Demolition	1/1/2019	1/14/2019	5	10	
2	SCC Early Utility Work and Site Preparation	Site Preparation	1/1/2019	5/31/2019	5	109	
3	SCC East Expansion: Demolition	Demolition	1/1/2019	1/14/2019	5	10	
4	Hotel: Excavation	Grading	1/15/2019	2/1/2019	5	14	
5	SCC East Expansion: Construction	Building Construction	1/1/2019	12/16/2019	5	250	
6	Hotel: Construction	Building Construction	2/2/2019	10/3/2019	5	174	
7	Hotel: Paving	Paving	2/2/2019	3/1/2019	5	20	
8	Hotel: Interior and Exterior Finish Work	Architectural Coating	10/4/2019	12/4/2020	5	306	
9	SCC West Expansion: Demolition	Demolition	7/15/2019	9/13/2019	5	45	
10	SCC West Expansion: Building Construction	Building Construction	8/1/2019	3/31/2021	5	435	
11	SCC East Expansion: Architectural Coating	Architectural Coating	11/19/2019	12/16/2019	5	20	
12	SCC West Expansion: Architectural Coating	Architectural Coating	3/4/2021	3/31/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,395; Non-Residential Outdoor: 224,465; Striped Parking Area: 3,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hotel: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Demolition	Excavators	3	8.00	158	0.38
Hotel: Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

SCC Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Hotel: Construction	Excavators	1	8.00	158	0.38
Hotel: Construction	Graders	1	8.00	187	0.41
Hotel: Construction	Rubber Tired Dozers	1	8.00	247	0.40
Hotel: Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel: Excavation	Cranes	1	7.00	231	0.29
Hotel: Excavation	Forklifts	3	8.00	89	0.20
Hotel: Excavation	Generator Sets	1	8.00	84	0.74
Hotel: Excavation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Excavation	Welders	1	8.00	46	0.45
Hotel: Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Construction	Excavators	3	8.00	158	0.38
Hotel: Construction	Rubber Tired Dozers	2	8.00	247	0.40
Hotel: Construction	Cranes	1	7.00	231	0.29
Hotel: Construction	Forklifts	3	8.00	89	0.20
Hotel: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Construction	Welders	1	8.00	46	0.45
Hotel: Paving	Pavers	2	8.00	130	0.42
Hotel: Paving	Paving Equipment	2	8.00	132	0.36
Hotel: Paving	Rollers	2	8.00	80	0.38
Hotel: Interior and Exterior Finish Work	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Concrete/Industrial Saws	1	8.00	81	0.73
SCC East Expansion: Architectural Coating	Excavators	3	8.00	158	0.38

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

SCC East Expansion: Architectural Coating	Rubber Tired Dozers	2	8.00	247	0.40
SCC East Expansion: Architectural Coating	Cranes	1	7.00	231	0.29
SCC East Expansion: Architectural Coating	Forklifts	3	8.00	89	0.20
SCC East Expansion: Architectural Coating	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Architectural Coating	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Architectural Coating	Welders	1	8.00	46	0.45
SCC West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Building Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC West Expansion: Demolition	Excavators	3	8.00	158	0.38
Hotel: Excavation	Excavators	1	8.00	158	0.38
SCC West Expansion: Building Construction	Forklifts	3	8.00	89	0.20
SCC East Expansion: Construction	Forklifts	3	8.00	89	0.20
SCC West Expansion: Building Construction	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Excavation	Graders	1	8.00	187	0.41
SCC East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Hotel: Excavation	Rubber Tired Dozers	1	8.00	247	0.40
SCC West Expansion: Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

SCC West Expansion: Building Construction	Welders	1	8.00	46	0.45
SCC East Expansion: Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Hotel: Demolition	6	15.00	0.00	88.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	21	15.00	0.00	2,725.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Excavation	12	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	21	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	21	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Interior and Exterior Finish Work	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	16	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	16	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	16	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Building Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Demolition	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Demolition	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.2 Hotel: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	1.9744	1.7949	3.7693	0.2990	1.6697	1.9686		3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0767	2.6370	0.6493	7.0500e-003	0.1531	0.0113	0.1645	0.0419	0.0109	0.0528		754.7821	754.7821	0.0438		755.8768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1470	2.6756	1.1908	8.2800e-003	0.2672	0.0122	0.2794	0.0722	0.0116	0.0838		877.5783	877.5783	0.0477		878.7697

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.2 Hotel: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	1.9744	1.7949	3.7693	0.2990	1.6697	1.9686	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0767	2.6370	0.6493	7.0500e-003	0.1531	0.0113	0.1645	0.0419	0.0109	0.0528		754.7821	754.7821	0.0438		755.8768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1470	2.6756	1.1908	8.2800e-003	0.2672	0.0122	0.2794	0.0722	0.0116	0.0838		877.5783	877.5783	0.0477		878.7697

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.3 SCC Early Utility Work and Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1297	0.0000	18.1297	9.9375	0.0000	9.9375			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.1297	2.3904	20.5201	9.9375	2.1991	12.1367		3,766.4529	3,766.4529	1.1917		3,796.2445

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0463	0.6499	1.4800e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		147.3555	147.3555	4.6400e-003		147.4714
Total	0.0843	0.0463	0.6499	1.4800e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		147.3555	147.3555	4.6400e-003		147.4714

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.3 SCC Early Utility Work and Site Preparation - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1297	0.0000	18.1297	9.9375	0.0000	9.9375			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.1297	2.3904	20.5201	9.9375	2.1991	12.1367	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0843	0.0463	0.6499	1.4800e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		147.3555	147.3555	4.6400e-003		147.4714
Total	0.0843	0.0463	0.6499	1.4800e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		147.3555	147.3555	4.6400e-003		147.4714

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.4 SCC East Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.4 SCC East Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.5 Hotel: Excavation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	4.2432	42.4147	26.5491	0.0472		2.2191	2.2191		2.0676	2.0676		4,605.761 4	4,605.761 4	1.2686		4,637.476 3
Total	4.2432	42.4147	26.5491	0.0472	6.5523	2.2191	8.7714	3.3675	2.0676	5.4351		4,605.761 4	4,605.761 4	1.2686		4,637.476 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.5 Hotel: Excavation - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	4.2432	42.4147	26.5491	0.0472		2.2191	2.2191		2.0676	2.0676	0.0000	4,605.761 4	4,605.761 4	1.2686		4,637.476 3
Total	4.2432	42.4147	26.5491	0.0472	6.5523	2.2191	8.7714	3.3675	2.0676	5.4351	0.0000	4,605.761 4	4,605.761 4	1.2686		4,637.476 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.6 SCC East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.6 SCC East Expansion: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.7 Hotel: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.4550	85.2098	55.5172	0.0954		4.4821	4.4821		4.1680	4.1680		9,345.2863	9,345.2863	2.6223		9,410.8447
Total	8.4550	85.2098	55.5172	0.0954		4.4821	4.4821		4.1680	4.1680		9,345.2863	9,345.2863	2.6223		9,410.8447

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1401	4.8168	1.1860	0.0129	0.7048	0.0207	0.7255	0.1809	0.0198	0.2007		1,378.7392	1,378.7392	0.0800		1,380.7389
Vendor	0.3975	10.0616	3.0042	0.0211	1.2275	0.0726	1.3001	0.3227	0.0695	0.3921		2,228.1078	2,228.1078	0.1339		2,231.4553
Worker	1.1527	0.6331	8.8822	0.0203	5.1237	0.0133	5.1371	1.2947	0.0123	1.3070		2,013.8586	2,013.8586	0.0634		2,015.4429
Total	1.6903	15.5115	13.0723	0.0542	7.0559	0.1067	7.1626	1.7983	0.1016	1.8998		5,620.7056	5,620.7056	0.2773		5,627.6371

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.7 Hotel: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.4550	85.2098	55.5172	0.0954		4.4821	4.4821		4.1680	4.1680	0.0000	9,345.2863	9,345.2863	2.6223		9,410.8447
Total	8.4550	85.2098	55.5172	0.0954		4.4821	4.4821		4.1680	4.1680	0.0000	9,345.2863	9,345.2863	2.6223		9,410.8447

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1401	4.8168	1.1860	0.0129	0.7048	0.0207	0.7255	0.1809	0.0198	0.2007		1,378.7392	1,378.7392	0.0800		1,380.7389
Vendor	0.3975	10.0616	3.0042	0.0211	1.2275	0.0726	1.3001	0.3227	0.0695	0.3921		2,228.1078	2,228.1078	0.1339		2,231.4553
Worker	1.1527	0.6331	8.8822	0.0203	5.1237	0.0133	5.1371	1.2947	0.0123	1.3070		2,013.8586	2,013.8586	0.0634		2,015.4429
Total	1.6903	15.5115	13.0723	0.0542	7.0559	0.1067	7.1626	1.7983	0.1016	1.8998		5,620.7056	5,620.7056	0.2773		5,627.6371

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.8 Hotel: Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.8 Hotel: Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929
Total	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929
Total	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.10 SCC West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.10 SCC West Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.11 SCC West Expansion: Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.11 SCC West Expansion: Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.11 SCC West Expansion: Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3168	9.2236	2.4790	0.0209	0.5055	0.0481	0.5536	0.1455	0.0460	0.1915		2,214.705 6	2,214.705 6	0.1255		2,217.843 0
Worker	0.9314	0.4943	7.0524	0.0172	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,713.988 0	1,713.988 0	0.0491		1,715.215 6
Total	1.2482	9.7178	9.5315	0.0381	2.1486	0.0595	2.2081	0.5813	0.0565	0.6379		3,928.693 6	3,928.693 6	0.1746		3,933.058 6

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.11 SCC West Expansion: Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3168	9.2236	2.4790	0.0209	0.5055	0.0481	0.5536	0.1455	0.0460	0.1915		2,214.705 6	2,214.705 6	0.1255		2,217.843 0
Worker	0.9314	0.4943	7.0524	0.0172	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,713.988 0	1,713.988 0	0.0491		1,715.215 6
Total	1.2482	9.7178	9.5315	0.0381	2.1486	0.0595	2.2081	0.5813	0.0565	0.6379		3,928.693 6	3,928.693 6	0.1746		3,933.058 6

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.11 SCC West Expansion: Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2596	8.4370	2.1544	0.0207	0.5055	0.0231	0.5286	0.1455	0.0221	0.1676		2,196.4144	2,196.4144	0.1200		2,199.4155
Worker	0.8657	0.4432	6.4617	0.0166	1.6431	0.0111	1.6542	0.4359	0.0102	0.4461		1,655.5947	1,655.5947	0.0441		1,656.6961
Total	1.1253	8.8802	8.6161	0.0374	2.1486	0.0342	2.1828	0.5813	0.0324	0.6137		3,852.0091	3,852.0091	0.1641		3,856.1116

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.11 SCC West Expansion: Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2596	8.4370	2.1544	0.0207	0.5055	0.0231	0.5286	0.1455	0.0221	0.1676		2,196.4144	2,196.4144	0.1200		2,199.4155
Worker	0.8657	0.4432	6.4617	0.0166	1.6431	0.0111	1.6542	0.4359	0.0102	0.4461		1,655.5947	1,655.5947	0.0441		1,656.6961
Total	1.1253	8.8802	8.6161	0.0374	2.1486	0.0342	2.1828	0.5813	0.0324	0.6137		3,852.0091	3,852.0091	0.1641		3,856.1116

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.12 SCC East Expansion: Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	6.1410	58.6972	41.0651	0.0687		3.2135	3.2135		3.0112	3.0112		6,689.9276	6,689.9276	1.7169		6,732.8509
Total	215.1239	58.6972	41.0651	0.0687		3.2135	3.2135		3.0112	3.0112		6,689.9276	6,689.9276	1.7169		6,732.8509

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2083	7.1617	1.7633	0.0192	1.0479	0.0308	1.0787	0.2690	0.0295	0.2984		2,049.9195	2,049.9195	0.1189		2,052.8927
Vendor	0.3975	10.0616	3.0042	0.0211	1.2275	0.0726	1.3001	0.3227	0.0695	0.3921		2,228.1078	2,228.1078	0.1339		2,231.4553
Worker	1.2839	0.7052	9.8931	0.0226	5.7069	0.0149	5.7218	1.4421	0.0137	1.4558		2,243.0783	2,243.0783	0.0706		2,244.8429
Total	1.8897	17.9285	14.6606	0.0628	7.9822	0.1183	8.1005	2.0337	0.1126	2.1463		6,521.1056	6,521.1056	0.3234		6,529.1909

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.12 SCC East Expansion: Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	6.1410	58.6972	41.0651	0.0687		3.2135	3.2135		3.0112	3.0112	0.0000	6,689.9276	6,689.9276	1.7169		6,732.8509
Total	215.1239	58.6972	41.0651	0.0687		3.2135	3.2135		3.0112	3.0112	0.0000	6,689.9276	6,689.9276	1.7169		6,732.8509

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2083	7.1617	1.7633	0.0192	1.0479	0.0308	1.0787	0.2690	0.0295	0.2984		2,049.9195	2,049.9195	0.1189		2,052.8927
Vendor	0.3975	10.0616	3.0042	0.0211	1.2275	0.0726	1.3001	0.3227	0.0695	0.3921		2,228.1078	2,228.1078	0.1339		2,231.4553
Worker	1.2839	0.7052	9.8931	0.0226	5.7069	0.0149	5.7218	1.4421	0.0137	1.4558		2,243.0783	2,243.0783	0.0706		2,244.8429
Total	1.8897	17.9285	14.6606	0.0628	7.9822	0.1183	8.1005	2.0337	0.1126	2.1463		6,521.1056	6,521.1056	0.3234		6,529.1909

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.13 SCC West Expansion: Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	209.2018	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1723	0.0882	1.2864	3.3100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		329.5860	329.5860	8.7700e-003		329.8052
Total	0.1723	0.0882	1.2864	3.3100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		329.5860	329.5860	8.7700e-003		329.8052

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

3.13 SCC West Expansion: Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	209.2018	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1723	0.0882	1.2864	3.3100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		329.5860	329.5860	8.7700e-003		329.8052
Total	0.1723	0.0882	1.2864	3.3100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		329.5860	329.5860	8.7700e-003		329.8052

4.0 Operational Detail - Mobile

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.6466	78.9767	300.9884	0.9012	72.9197	0.8700	73.7897	19.5013	0.8185	20.3198		91,104.3881	91,104.3881	4.1319		91,207.6848
Unmitigated	18.6466	78.9767	300.9884	0.9012	72.9197	0.8700	73.7897	19.5013	0.8185	20.3198		91,104.3881	91,104.3881	4.1319		91,207.6848

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	2,612.18	2,612.18	2612.18	9,910,285	9,910,285
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	2,859.50	2,866.50	2082.50	23,449,851	23,449,851
Total	5,471.68	5,478.68	4,694.68	33,360,136	33,360,136

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	27.00	13.50	17.55	0.00	81.00	19.00	66	28	6
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hotel	55.49	27.74	36.07	19.40	61.60	19.00	58	38	4

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Enclosed Parking with Elevator	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Hotel	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
NaturalGas Unmitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40862.7	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40.8627	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

6.0 Area Detail

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Unmitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531

11.0 Vegetation

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

**Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction)
Sacramento County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	65.00	1000sqft	0.00	65,000.00	0
Arena	63.93	1000sqft	6.52	63,930.00	0
Hotel	350.00	Room	0.56	385,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

Project Characteristics -

Land Use - "Arena" land-use used as a surrogate for Convention Center land-use.

Construction Phase - Construction schedule based on project-specific estimates. For total days of grading and paving (hotel), defaults for 10 acre site used (450ksf)

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - Total acres graded equal to site footprint.

Architectural Coating -

Vehicle Trips - Project-specific trip lengths used.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	306.00
tblConstructionPhase	NumDays	230.00	435.00
tblConstructionPhase	NumDays	230.00	174.00
tblConstructionPhase	NumDays	230.00	250.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	45.00

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	109.00
tblEnergyUse	LightingElect	4.57	4.72
tblEnergyUse	LightingElect	1.75	2.63
tblEnergyUse	LightingElect	2.88	2.95
tblEnergyUse	T24E	3.41	3.58
tblEnergyUse	T24E	3.59	3.77
tblEnergyUse	T24NG	23.39	23.50
tblEnergyUse	T24NG	33.04	33.21
tblGrading	AcresOfGrading	0.00	6.52
tblLandUse	LandUseSquareFeet	508,200.00	385,000.00
tblLandUse	LotAcreage	1.49	0.00
tblLandUse	LotAcreage	20.55	6.52
tblLandUse	LotAcreage	11.67	0.56
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblStationaryBoilersUse	AnnualHeatInput	0.00	43,800.00
tblStationaryBoilersUse	BoilerRatingValue	0.00	5.00
tblStationaryBoilersUse	DailyHeatInput	0.00	120.00
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	478.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,725.00
tblTripsAndVMT	HaulingTripNumber	0.00	72.00
tblTripsAndVMT	VendorTripNumber	0.00	84.00
tblTripsAndVMT	VendorTripNumber	84.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	84.00

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

tblTripsAndVMT	VendorTripNumber	84.00	0.00
tblTripsAndVMT	WorkerTripNumber	43.00	15.00
tblTripsAndVMT	WorkerTripNumber	43.00	216.00
tblTripsAndVMT	WorkerTripNumber	216.00	15.00
tblTripsAndVMT	WorkerTripNumber	30.00	216.00
tblTripsAndVMT	WorkerTripNumber	216.00	15.00
tblVehicleTrips	CC_TL	5.00	13.50
tblVehicleTrips	CC_TL	5.00	27.74
tblVehicleTrips	CNW_TL	6.50	17.55
tblVehicleTrips	CNW_TL	6.50	36.07
tblVehicleTrips	CW_TL	10.00	27.00
tblVehicleTrips	CW_TL	10.00	55.49
tblVehicleTrips	ST_TR	10.71	40.86
tblVehicleTrips	SU_TR	10.71	40.86
tblVehicleTrips	WD_TR	10.71	40.86

2.0 Emissions Summary

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	238.4713	201.3009	144.9560	0.3124	29.1163	9.1843	36.7696	14.5040	8.5321	20.9100	0.0000	31,202.4007	31,202.4007	5.6465	0.0000	31,343.0042
2020	17.3823	31.0141	28.7724	0.0684	2.4757	1.2914	3.7671	0.6681	1.2214	1.8895	0.0000	6,797.5157	6,797.5157	0.8324	0.0000	6,818.3246
2021	212.3336	28.1910	27.5001	0.0676	2.4757	1.0906	3.5663	0.6681	1.0311	1.6992	0.0000	6,718.2247	6,718.2247	0.8118	0.0000	6,738.5195
Maximum	238.4713	201.3009	144.9560	0.3124	29.1163	9.1843	36.7696	14.5040	8.5321	20.9100	0.0000	31,202.4007	31,202.4007	5.6465	0.0000	31,343.0042

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	238.4713	201.3009	144.9560	0.3124	29.1163	9.1843	36.7696	14.5040	8.5321	20.9100	0.0000	31,202.4006	31,202.4006	5.6465	0.0000	31,343.0042
2020	17.3823	31.0141	28.7724	0.0684	2.4757	1.2914	3.7671	0.6681	1.2214	1.8895	0.0000	6,797.5157	6,797.5157	0.8324	0.0000	6,818.3246
2021	212.3336	28.1910	27.5001	0.0676	2.4757	1.0906	3.5663	0.6681	1.0311	1.6992	0.0000	6,718.2247	6,718.2247	0.8118	0.0000	6,738.5195
Maximum	238.4713	201.3009	144.9560	0.3124	29.1163	9.1843	36.7696	14.5040	8.5321	20.9100	0.0000	31,202.4006	31,202.4006	5.6465	0.0000	31,343.0042

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	15.2676	87.2950	258.6212	0.8116	72.9197	0.8746	73.7943	19.5013	0.8229	20.3242		82,184.0601	82,184.0601	3.9451		82,282.6878
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	27.2031	93.2384	274.0833	0.9100	72.9197	2.1203	75.0400	19.5013	2.0685	21.5698		101,849.6005	101,849.6005	4.3223	0.1017	101,987.9663

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	15.2676	87.2950	258.6212	0.8116	72.9197	0.8746	73.7943	19.5013	0.8229	20.3242		82,184.0601	82,184.0601	3.9451		82,282.6878
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	27.2031	93.2384	274.0833	0.9100	72.9197	2.1203	75.0400	19.5013	2.0685	21.5698		101,849.6005	101,849.6005	4.3223	0.1017	101,987.9663

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Hotel: Demolition	Demolition	1/1/2019	1/14/2019	5	10	
2	SCC Early Utility Work and Site Preparation	Site Preparation	1/1/2019	5/31/2019	5	109	
3	SCC East Expansion: Demolition	Demolition	1/1/2019	1/14/2019	5	10	
4	Hotel: Excavation	Grading	1/15/2019	2/1/2019	5	14	
5	SCC East Expansion: Construction	Building Construction	1/1/2019	12/16/2019	5	250	
6	Hotel: Construction	Building Construction	2/2/2019	10/3/2019	5	174	
7	Hotel: Paving	Paving	2/2/2019	3/1/2019	5	20	
8	Hotel: Interior and Exterior Finish Work	Architectural Coating	10/4/2019	12/4/2020	5	306	
9	SCC West Expansion: Demolition	Demolition	7/15/2019	9/13/2019	5	45	
10	SCC West Expansion: Building Construction	Building Construction	8/1/2019	3/31/2021	5	435	
11	SCC East Expansion: Architectural Coating	Architectural Coating	11/19/2019	12/16/2019	5	20	
12	SCC West Expansion: Architectural Coating	Architectural Coating	3/4/2021	3/31/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,395; Non-Residential Outdoor: 224,465; Striped Parking Area: 3,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hotel: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Demolition	Excavators	3	8.00	158	0.38
Hotel: Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

SCC Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Hotel: Construction	Excavators	1	8.00	158	0.38
Hotel: Construction	Graders	1	8.00	187	0.41
Hotel: Construction	Rubber Tired Dozers	1	8.00	247	0.40
Hotel: Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel: Excavation	Cranes	1	7.00	231	0.29
Hotel: Excavation	Forklifts	3	8.00	89	0.20
Hotel: Excavation	Generator Sets	1	8.00	84	0.74
Hotel: Excavation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Excavation	Welders	1	8.00	46	0.45
Hotel: Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Construction	Excavators	3	8.00	158	0.38
Hotel: Construction	Rubber Tired Dozers	2	8.00	247	0.40
Hotel: Construction	Cranes	1	7.00	231	0.29
Hotel: Construction	Forklifts	3	8.00	89	0.20
Hotel: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Construction	Welders	1	8.00	46	0.45
Hotel: Paving	Pavers	2	8.00	130	0.42
Hotel: Paving	Paving Equipment	2	8.00	132	0.36
Hotel: Paving	Rollers	2	8.00	80	0.38
Hotel: Interior and Exterior Finish Work	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Concrete/Industrial Saws	1	8.00	81	0.73
SCC East Expansion: Architectural Coating	Excavators	3	8.00	158	0.38

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

SCC East Expansion: Architectural Coating	Rubber Tired Dozers	2	8.00	247	0.40
SCC East Expansion: Architectural Coating	Cranes	1	7.00	231	0.29
SCC East Expansion: Architectural Coating	Forklifts	3	8.00	89	0.20
SCC East Expansion: Architectural Coating	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Architectural Coating	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Architectural Coating	Welders	1	8.00	46	0.45
SCC West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Building Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC West Expansion: Demolition	Excavators	3	8.00	158	0.38
Hotel: Excavation	Excavators	1	8.00	158	0.38
SCC West Expansion: Building Construction	Forklifts	3	8.00	89	0.20
SCC East Expansion: Construction	Forklifts	3	8.00	89	0.20
SCC West Expansion: Building Construction	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Excavation	Graders	1	8.00	187	0.41
SCC East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Hotel: Excavation	Rubber Tired Dozers	1	8.00	247	0.40
SCC West Expansion: Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

SCC West Expansion: Building Construction	Welders	1	8.00	46	0.45
SCC East Expansion: Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Hotel: Demolition	6	15.00	0.00	88.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	21	15.00	0.00	2,725.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Excavation	12	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	21	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	21	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Interior and Exterior Finish Work	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	16	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	16	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	16	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Building Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Demolition	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Demolition	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.2 Hotel: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388	1.9744	1.7949	3.7693	0.2990	1.6697	1.9686		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0795	2.7500	0.6964	6.9500e-003	0.1531	0.0117	0.1648	0.0419	0.0112	0.0531		743.4403	743.4403	0.0459		744.5882
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1442	2.7978	1.1623	8.0300e-003	0.2672	0.0125	0.2798	0.0722	0.0120	0.0841		851.2903	851.2903	0.0493		852.5238

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.2 Hotel: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	1.9744	1.7949	3.7693	0.2990	1.6697	1.9686	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0795	2.7500	0.6964	6.9500e-003	0.1531	0.0117	0.1648	0.0419	0.0112	0.0531		743.4403	743.4403	0.0459		744.5882
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1442	2.7978	1.1623	8.0300e-003	0.2672	0.0125	0.2798	0.0722	0.0120	0.0841		851.2903	851.2903	0.0493		852.5238

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.3 SCC Early Utility Work and Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1297	0.0000	18.1297	9.9375	0.0000	9.9375			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.1297	2.3904	20.5201	9.9375	2.1991	12.1367		3,766.4529	3,766.4529	1.1917		3,796.2445

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0776	0.0573	0.5591	1.3000e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		129.4200	129.4200	4.1100e-003		129.5227
Total	0.0776	0.0573	0.5591	1.3000e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		129.4200	129.4200	4.1100e-003		129.5227

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.3 SCC Early Utility Work and Site Preparation - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1297	0.0000	18.1297	9.9375	0.0000	9.9375			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.1297	2.3904	20.5201	9.9375	2.1991	12.1367	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0776	0.0573	0.5591	1.3000e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		129.4200	129.4200	4.1100e-003		129.5227
Total	0.0776	0.0573	0.5591	1.3000e-003	0.1369	9.8000e-004	0.1379	0.0363	9.0000e-004	0.0372		129.4200	129.4200	4.1100e-003		129.5227

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.4 SCC East Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.4 SCC East Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.5 Hotel: Excavation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	4.2432	42.4147	26.5491	0.0472		2.2191	2.2191		2.0676	2.0676		4,605.761 4	4,605.761 4	1.2686		4,637.476 3
Total	4.2432	42.4147	26.5491	0.0472	6.5523	2.2191	8.7714	3.3675	2.0676	5.4351		4,605.761 4	4,605.761 4	1.2686		4,637.476 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.120 8	2,172.120 8	0.1451		2,175.748 1
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.040 3	1,553.040 3	0.0493		1,554.272 7
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.161 1	3,725.161 1	0.1944		3,730.020 8

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.5 Hotel: Excavation - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	4.2432	42.4147	26.5491	0.0472		2.2191	2.2191		2.0676	2.0676	0.0000	4,605.761 4	4,605.761 4	1.2686		4,637.476 3
Total	4.2432	42.4147	26.5491	0.0472	6.5523	2.2191	8.7714	3.3675	2.0676	5.4351	0.0000	4,605.761 4	4,605.761 4	1.2686		4,637.476 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.120 8	2,172.120 8	0.1451		2,175.748 1
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.040 3	1,553.040 3	0.0493		1,554.272 7
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.161 1	3,725.161 1	0.1944		3,730.020 8

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.6 SCC East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.1208	2,172.1208	0.1451		2,175.7481
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.0403	1,553.0403	0.0493		1,554.2727
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.1611	3,725.1611	0.1944		3,730.0208

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.6 SCC East Expansion: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.120 8	2,172.120 8	0.1451		2,175.748 1
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.040 3	1,553.040 3	0.0493		1,554.272 7
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.161 1	3,725.161 1	0.1944		3,730.020 8

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.7 Hotel: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.4550	85.2098	55.5172	0.0954		4.4821	4.4821		4.1680	4.1680		9,345.2863	9,345.2863	2.6223		9,410.8447
Total	8.4550	85.2098	55.5172	0.0954		4.4821	4.4821		4.1680	4.1680		9,345.2863	9,345.2863	2.6223		9,410.8447

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1452	5.0234	1.2720	0.0127	0.7048	0.0214	0.7262	0.1809	0.0205	0.2013		1,358.0214	1,358.0214	0.0839		1,360.1183
Vendor	0.4178	10.3073	3.4174	0.0205	1.2275	0.0746	1.3020	0.3227	0.0713	0.3940		2,172.1208	2,172.1208	0.1451		2,175.7481
Worker	1.0610	0.7828	7.6416	0.0178	5.1237	0.0133	5.1371	1.2947	0.0123	1.3070		1,768.7403	1,768.7403	0.0561		1,770.1439
Total	1.6240	16.1135	12.3311	0.0510	7.0559	0.1093	7.1652	1.7983	0.1041	1.9023		5,298.8825	5,298.8825	0.2851		5,306.0103

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.7 Hotel: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.4550	85.2098	55.5172	0.0954		4.4821	4.4821		4.1680	4.1680	0.0000	9,345.2863	9,345.2863	2.6223		9,410.8447
Total	8.4550	85.2098	55.5172	0.0954		4.4821	4.4821		4.1680	4.1680	0.0000	9,345.2863	9,345.2863	2.6223		9,410.8447

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1452	5.0234	1.2720	0.0127	0.7048	0.0214	0.7262	0.1809	0.0205	0.2013		1,358.0214	1,358.0214	0.0839		1,360.1183
Vendor	0.4178	10.3073	3.4174	0.0205	1.2275	0.0746	1.3020	0.3227	0.0713	0.3940		2,172.1208	2,172.1208	0.1451		2,175.7481
Worker	1.0610	0.7828	7.6416	0.0178	5.1237	0.0133	5.1371	1.2947	0.0123	1.3070		1,768.7403	1,768.7403	0.0561		1,770.1439
Total	1.6240	16.1135	12.3311	0.0510	7.0559	0.1093	7.1652	1.7983	0.1041	1.9023		5,298.8825	5,298.8825	0.2851		5,306.0103

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.8 Hotel: Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.8 Hotel: Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154
Total	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154
Total	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2020**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.10 SCC West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.10 SCC West Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
Total	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.11 SCC West Expansion: Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.1208	2,172.1208	0.1451		2,175.7481
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.0403	1,553.0403	0.0493		1,554.2727
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.1611	3,725.1611	0.1944		3,730.0208

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.11 SCC West Expansion: Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.120 8	2,172.120 8	0.1451		2,175.748 1
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.040 3	1,553.040 3	0.0493		1,554.272 7
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.161 1	3,725.161 1	0.1944		3,730.020 8

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.11 SCC West Expansion: Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3337	9.4120	2.8517	0.0204	0.5055	0.0497	0.5552	0.1455	0.0475	0.1930		2,158.063 3	2,158.063 3	0.1358		2,161.458 6
Worker	0.8570	0.6107	6.0387	0.0151	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,505.279 2	1,505.279 2	0.0433		1,506.361 2
Total	1.1907	10.0226	8.8903	0.0355	2.1486	0.0611	2.2097	0.5813	0.0581	0.6394		3,663.342 5	3,663.342 5	0.1791		3,667.819 8

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.11 SCC West Expansion: Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3337	9.4120	2.8517	0.0204	0.5055	0.0497	0.5552	0.1455	0.0475	0.1930		2,158.063 3	2,158.063 3	0.1358		2,161.458 6
Worker	0.8570	0.6107	6.0387	0.0151	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,505.279 2	1,505.279 2	0.0433		1,506.361 2
Total	1.1907	10.0226	8.8903	0.0355	2.1486	0.0611	2.2097	0.5813	0.0581	0.6394		3,663.342 5	3,663.342 5	0.1791		3,667.819 8

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.11 SCC West Expansion: Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2750	8.5758	2.4986	0.0202	0.5055	0.0246	0.5300	0.1455	0.0235	0.1690		2,139.9174	2,139.9174	0.1300		2,143.1674
Worker	0.7972	0.5473	5.5115	0.0146	1.6431	0.0111	1.6542	0.4359	0.0102	0.4461		1,454.0348	1,454.0348	0.0388		1,455.0035
Total	1.0722	9.1231	8.0101	0.0348	2.1486	0.0357	2.1842	0.5813	0.0337	0.6150		3,593.9521	3,593.9521	0.1688		3,598.1709

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.11 SCC West Expansion: Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2750	8.5758	2.4986	0.0202	0.5055	0.0246	0.5300	0.1455	0.0235	0.1690		2,139.9174	2,139.9174	0.1300		2,143.1674
Worker	0.7972	0.5473	5.5115	0.0146	1.6431	0.0111	1.6542	0.4359	0.0102	0.4461		1,454.0348	1,454.0348	0.0388		1,455.0035
Total	1.0722	9.1231	8.0101	0.0348	2.1486	0.0357	2.1842	0.5813	0.0337	0.6150		3,593.9521	3,593.9521	0.1688		3,598.1709

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.12 SCC East Expansion: Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	6.1410	58.6972	41.0651	0.0687		3.2135	3.2135		3.0112	3.0112		6,689.9276	6,689.9276	1.7169		6,732.8509
Total	215.1239	58.6972	41.0651	0.0687		3.2135	3.2135		3.0112	3.0112		6,689.9276	6,689.9276	1.7169		6,732.8509

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2159	7.4688	1.8913	0.0189	1.0479	0.0318	1.0797	0.2690	0.0304	0.2994		2,019.1162	2,019.1162	0.1247		2,022.2339
Vendor	0.4178	10.3073	3.4174	0.0205	1.2275	0.0746	1.3020	0.3227	0.0713	0.3940		2,172.1208	2,172.1208	0.1451		2,175.7481
Worker	1.1818	0.8720	8.5114	0.0198	5.7069	0.0149	5.7218	1.4421	0.0137	1.4558		1,970.0603	1,970.0603	0.0625		1,971.6236
Total	1.8154	18.6481	13.8201	0.0592	7.9822	0.1212	8.1034	2.0337	0.1154	2.1491		6,161.2973	6,161.2973	0.3323		6,169.6056

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.12 SCC East Expansion: Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	6.1410	58.6972	41.0651	0.0687		3.2135	3.2135		3.0112	3.0112	0.0000	6,689.9276	6,689.9276	1.7169		6,732.8509
Total	215.1239	58.6972	41.0651	0.0687		3.2135	3.2135		3.0112	3.0112	0.0000	6,689.9276	6,689.9276	1.7169		6,732.8509

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2159	7.4688	1.8913	0.0189	1.0479	0.0318	1.0797	0.2690	0.0304	0.2994		2,019.1162	2,019.1162	0.1247		2,022.2339
Vendor	0.4178	10.3073	3.4174	0.0205	1.2275	0.0746	1.3020	0.3227	0.0713	0.3940		2,172.1208	2,172.1208	0.1451		2,175.7481
Worker	1.1818	0.8720	8.5114	0.0198	5.7069	0.0149	5.7218	1.4421	0.0137	1.4558		1,970.0603	1,970.0603	0.0625		1,971.6236
Total	1.8154	18.6481	13.8201	0.0592	7.9822	0.1212	8.1034	2.0337	0.1154	2.1491		6,161.2973	6,161.2973	0.3323		6,169.6056

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.13 SCC West Expansion: Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	209.2018	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1587	0.1090	1.0972	2.9100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		289.4606	289.4606	7.7100e-003		289.6535
Total	0.1587	0.1090	1.0972	2.9100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		289.4606	289.4606	7.7100e-003		289.6535

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

3.13 SCC West Expansion: Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	209.2018	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1587	0.1090	1.0972	2.9100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		289.4606	289.4606	7.7100e-003		289.6535
Total	0.1587	0.1090	1.0972	2.9100e-003	0.3271	2.2100e-003	0.3293	0.0868	2.0300e-003	0.0888		289.4606	289.4606	7.7100e-003		289.6535

4.0 Operational Detail - Mobile

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15.2676	87.2950	258.6212	0.8116	72.9197	0.8746	73.7943	19.5013	0.8229	20.3242		82,184.0601	82,184.0601	3.9451		82,282.6878
Unmitigated	15.2676	87.2950	258.6212	0.8116	72.9197	0.8746	73.7943	19.5013	0.8229	20.3242		82,184.0601	82,184.0601	3.9451		82,282.6878

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	2,612.18	2,612.18	2612.18	9,910,285	9,910,285
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	2,859.50	2,866.50	2082.50	23,449,851	23,449,851
Total	5,471.68	5,478.68	4,694.68	33,360,136	33,360,136

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	27.00	13.50	17.55	0.00	81.00	19.00	66	28	6
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hotel	55.49	27.74	36.07	19.40	61.60	19.00	58	38	4

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Enclosed Parking with Elevator	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Hotel	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
NaturalGas Unmitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40862.7	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40.8627	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

6.0 Area Detail

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Unmitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Sacramento Convention Center and Hotel (Maximum Daily; Full Shutdown Construction) - Sacramento County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.88 83	14,117.88 83	0.2706		14,124.65 31
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.88 83	14,117.88 83	0.2706		14,124.65 31

11.0 Vegetation

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Annual

Sacramento Convention Center and Hotel (AQMP)
Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	65.00	1000sqft	0.00	65,000.00	0
Arena	63.93	1000sqft	6.52	63,930.00	0
Hotel	350.00	Room	0.56	385,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Annual

Project Characteristics -

Land Use - "Arena" land-use used as a surrogate for Convention Center land-use.

Construction Phase - Construction schedule based on project-specific estimates. For total days of grading and paving (hotel), defaults for 10 acre site used (450ksf)

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - Total acres graded equal to site footprint.

Architectural Coating -

Vehicle Trips - Project-specific traffic information.

Energy Use - Calculated energy savings for 2016 Title 24 Standards by applying 5% reduction in energy use over 2013 Standards.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	306.00
tblConstructionPhase	NumDays	230.00	280.00
tblConstructionPhase	NumDays	230.00	174.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	40.00

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Annual

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	100.00
tblFleetMix	FleetMixLandUseSubType	Enclosed Parking with Elevator	Arena
tblFleetMix	FleetMixLandUseSubType	Arena	Enclosed Parking with Elevator
tblGrading	AcresOfGrading	7.00	0.56
tblGrading	AcresOfGrading	0.00	6.52
tblGrading	MaterialExported	0.00	21,800.00
tblLandUse	BuildingSpaceSquareFeet	508,200.00	385,000.00
tblLandUse	LandUseSquareFeet	508,200.00	385,000.00
tblLandUse	LotAcreage	1.49	0.00
tblLandUse	LotAcreage	20.55	6.52
tblLandUse	LotAcreage	11.67	0.56
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	CC_TL	5.00	2.66
tblVehicleTrips	CC_TL	5.00	2.89
tblVehicleTrips	CNW_TL	6.50	3.46
tblVehicleTrips	CNW_TL	6.50	3.75
tblVehicleTrips	CW_TL	10.00	5.32
tblVehicleTrips	CW_TL	10.00	5.77
tblVehicleTrips	ST_TR	10.71	21.59
tblVehicleTrips	SU_TR	10.71	21.59
tblVehicleTrips	WD_TR	10.71	21.59

2.0 Emissions Summary

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	1.1917	9.2617	6.3746	0.0144	1.3387	0.4272	1.7659	0.6234	0.3988	1.0222	0.0000	1,316.103 2	1,316.103 2	0.2052	0.0000	1,321.233 7
2019	4.3370	3.9615	3.3506	7.6300e-003	0.2926	0.1791	0.4717	0.0727	0.1692	0.2419	0.0000	691.1861	691.1861	0.0920	0.0000	693.4856
2020	2.4925	2.7270	2.4060	5.9500e-003	0.1975	0.1108	0.3084	0.0536	0.1044	0.1580	0.0000	537.2023	537.2023	0.0673	0.0000	538.8848
Maximum	4.3370	9.2617	6.3746	0.0144	1.3387	0.4272	1.7659	0.6234	0.3988	1.0222	0.0000	1,316.103 2	1,316.103 2	0.2052	0.0000	1,321.233 7

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	1.1917	9.2617	6.3746	0.0144	1.3387	0.4272	1.7659	0.6234	0.3988	1.0222	0.0000	1,316.102 5	1,316.102 5	0.2052	0.0000	1,321.233 0
2019	4.3370	3.9615	3.3506	7.6300e-003	0.2926	0.1791	0.4717	0.0727	0.1692	0.2419	0.0000	691.1857	691.1857	0.0920	0.0000	693.4852
2020	2.4925	2.7270	2.4060	5.9500e-003	0.1975	0.1108	0.3084	0.0536	0.1044	0.1580	0.0000	537.2020	537.2020	0.0673	0.0000	538.8845
Maximum	4.3370	9.2617	6.3746	0.0144	1.3387	0.4272	1.7659	0.6234	0.3988	1.0222	0.0000	1,316.102 5	1,316.102 5	0.2052	0.0000	1,321.233 0

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-17-2018	4-16-2018	1.9266	1.9266
2	4-17-2018	7-16-2018	1.1674	1.1674
4	10-17-2018	1-16-2019	0.1929	0.1929
5	1-17-2019	4-16-2019	1.2080	1.2080
6	4-17-2019	7-16-2019	1.0782	1.0782
7	7-17-2019	10-16-2019	1.2624	1.2624
8	10-17-2019	1-16-2020	1.1571	1.1571
9	1-17-2020	4-16-2020	1.0555	1.0555
10	4-17-2020	7-16-2020	1.0488	1.0488
11	7-17-2020	9-30-2020	2.6641	2.6641
		Highest	2.6641	2.6641

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Energy	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	2,337.1227	2,337.1227	0.0873	0.0313	2,348.6200
Mobile	1.0774	3.6143	8.3196	0.0177	1.2980	0.0210	1.3189	0.3481	0.0197	0.3678	0.0000	1,624.0113	1,624.0113	0.1061	0.0000	1,626.6625
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Waste						0.0000	0.0000		0.0000	0.0000	39.2564	0.0000	39.2564	2.3200	0.0000	97.2561
Water						0.0000	0.0000		0.0000	0.0000	12.8846	51.1580	64.0425	0.0469	0.0285	73.7189
Total	3.2554	4.6989	11.1386	0.0356	1.2980	0.2483	1.5463	0.3481	0.2470	0.5951	52.1410	6,349.6786	6,401.8196	2.6050	0.0598	6,484.7649

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Energy	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	2,337.1227	2,337.1227	0.0873	0.0313	2,348.6200
Mobile	1.0774	3.6143	8.3196	0.0177	1.2980	0.0210	1.3189	0.3481	0.0197	0.3678	0.0000	1,624.0113	1,624.0113	0.1061	0.0000	1,626.6625
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Waste						0.0000	0.0000		0.0000	0.0000	39.2564	0.0000	39.2564	2.3200	0.0000	97.2561
Water						0.0000	0.0000		0.0000	0.0000	12.8846	51.1580	64.0425	0.0469	0.0285	73.7189
Total	3.2554	4.6989	11.1386	0.0356	1.2980	0.2483	1.5463	0.3481	0.2470	0.5951	52.1410	6,349.6786	6,401.8196	2.6050	0.0598	6,484.7649

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Hotel: Demolition	Demolition	1/17/2018	1/30/2018	5	10	
2	SCC Early Utility Work and Site Preparation	Site Preparation	1/17/2018	6/5/2018	5	100	
3	Hotel: Excavation	Grading	1/31/2018	2/19/2018	5	14	
4	Hotel: Construction	Building Construction	2/20/2018	10/19/2018	5	174	
5	SCC East Expansion: Demolition	Demolition	5/30/2018	6/12/2018	5	10	
6	SCC East Expansion: Construction	Building Construction	6/13/2018	4/30/2019	5	230	
7	Hotel: Paving	Paving	10/20/2018	11/16/2018	5	20	
8	Hotel: Interior and Exterior Finish Work	Architectural Coating	11/17/2018	1/20/2020	5	306	
9	SCC East Expansion: Architectural Coating	Architectural Coating	4/1/2019	4/26/2019	5	20	
10	SCC West Expansion: Demolition	Demolition	6/26/2019	8/20/2019	5	40	
11	SCC West Expansion: Building Construction	Building Construction	8/21/2019	9/15/2020	5	280	
12	SCC West Expansion: Architectural Coating	Architectural Coating	8/17/2020	9/11/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,395; Non-Residential Outdoor: 224,465; Striped Parking Area: 3,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hotel: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Demolition	Excavators	3	8.00	158	0.38
Hotel: Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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SCC East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC East Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Hotel: Excavation	Excavators	1	8.00	158	0.38
Hotel: Excavation	Graders	1	8.00	187	0.41
Hotel: Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Hotel: Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel: Construction	Cranes	1	7.00	231	0.29
Hotel: Construction	Forklifts	3	8.00	89	0.20
Hotel: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Construction	Welders	1	8.00	46	0.45
SCC East Expansion: Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Construction	Forklifts	3	8.00	89	0.20
SCC East Expansion: Construction	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Construction	Welders	1	8.00	46	0.45
SCC West Expansion: Building Construction	Cranes	1	7.00	231	0.29
SCC West Expansion: Building Construction	Forklifts	3	8.00	89	0.20
SCC West Expansion: Building Construction	Generator Sets	1	8.00	84	0.74
SCC West Expansion: Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

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SCC West Expansion: Building Construction	Welders	1	8.00	46	0.45
Hotel: Paving	Pavers	2	8.00	130	0.42
Hotel: Paving	Paving Equipment	2	8.00	132	0.36
Hotel: Paving	Rollers	2	8.00	80	0.38
Hotel: Interior and Exterior Finish Work	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Hotel: Demolition	6	15.00	0.00	88.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Excavation	6	15.00	0.00	2,725.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Building Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Interior and Exterior Finish Work	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Hotel: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8700e-003	0.0000	9.8700e-003	1.4900e-003	0.0000	1.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	9.8700e-003	9.6900e-003	0.0196	1.4900e-003	9.0200e-003	0.0105	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.2000e-004	0.0146	3.6800e-003	4.0000e-005	7.4000e-004	6.0000e-005	8.1000e-004	2.0000e-004	6.0000e-005	2.6000e-004	0.0000	3.4397	3.4397	2.1000e-004	0.0000	3.4449
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	7.5000e-004	0.0148	6.2500e-003	5.0000e-005	1.2900e-003	6.0000e-005	1.3700e-003	3.5000e-004	6.0000e-005	4.1000e-004	0.0000	3.9609	3.9609	2.3000e-004	0.0000	3.9665

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3.2 Hotel: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8700e-003	0.0000	9.8700e-003	1.4900e-003	0.0000	1.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	9.8700e-003	9.6900e-003	0.0196	1.4900e-003	9.0200e-003	0.0105	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.2000e-004	0.0146	3.6800e-003	4.0000e-005	7.4000e-004	6.0000e-005	8.1000e-004	2.0000e-004	6.0000e-005	2.6000e-004	0.0000	3.4397	3.4397	2.1000e-004	0.0000	3.4449
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	7.5000e-004	0.0148	6.2500e-003	5.0000e-005	1.2900e-003	6.0000e-005	1.3700e-003	3.5000e-004	6.0000e-005	4.1000e-004	0.0000	3.9609	3.9609	2.3000e-004	0.0000	3.9665

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3.3 SCC Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9068	0.0000	0.9068	0.4969	0.0000	0.4969	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2281	2.4099	1.1238	1.9000e-003		0.1289	0.1289		0.1185	0.1185	0.0000	173.7995	173.7995	0.0541	0.0000	175.1522
Total	0.2281	2.4099	1.1238	1.9000e-003	0.9068	0.1289	1.0356	0.4969	0.1185	0.6155	0.0000	173.7995	173.7995	0.0541	0.0000	175.1522

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0100e-003	2.9100e-003	0.0309	7.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	6.2549	6.2549	2.1000e-004	0.0000	6.2602
Total	4.0100e-003	2.9100e-003	0.0309	7.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	6.2549	6.2549	2.1000e-004	0.0000	6.2602

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3.3 SCC Early Utility Work and Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9068	0.0000	0.9068	0.4969	0.0000	0.4969	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2281	2.4099	1.1238	1.9000e-003		0.1289	0.1289		0.1185	0.1185	0.0000	173.7993	173.7993	0.0541	0.0000	175.1520
Total	0.2281	2.4099	1.1238	1.9000e-003	0.9068	0.1289	1.0356	0.4969	0.1185	0.6155	0.0000	173.7993	173.7993	0.0541	0.0000	175.1520

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0100e-003	2.9100e-003	0.0309	7.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	6.2549	6.2549	2.1000e-004	0.0000	6.2602
Total	4.0100e-003	2.9100e-003	0.0309	7.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	6.2549	6.2549	2.1000e-004	0.0000	6.2602

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3.4 Hotel: Excavation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0447	0.0000	0.0447	0.0236	0.0000	0.0236	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2147	0.1160	2.1000e-004		0.0109	0.0109		9.9900e-003	9.9900e-003	0.0000	18.9748	18.9748	5.9100e-003	0.0000	19.1225
Total	0.0194	0.2147	0.1160	2.1000e-004	0.0447	0.0109	0.0556	0.0236	9.9900e-003	0.0335	0.0000	18.9748	18.9748	5.9100e-003	0.0000	19.1225

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0131	0.4510	0.1141	1.1000e-003	0.0230	1.9700e-003	0.0250	6.3200e-003	1.8900e-003	8.2000e-003	0.0000	106.5134	106.5134	6.3900e-003	0.0000	106.6731
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.4000e-004	3.6000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.8000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	0.7297	0.7297	2.0000e-005	0.0000	0.7304
Total	0.0136	0.4513	0.1177	1.1100e-003	0.0238	1.9800e-003	0.0258	6.5300e-003	1.9000e-003	8.4100e-003	0.0000	107.2431	107.2431	6.4100e-003	0.0000	107.4034

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3.4 Hotel: Excavation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0447	0.0000	0.0447	0.0236	0.0000	0.0236	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2147	0.1160	2.1000e-004		0.0109	0.0109		9.9900e-003	9.9900e-003	0.0000	18.9748	18.9748	5.9100e-003	0.0000	19.1225
Total	0.0194	0.2147	0.1160	2.1000e-004	0.0447	0.0109	0.0556	0.0236	9.9900e-003	0.0335	0.0000	18.9748	18.9748	5.9100e-003	0.0000	19.1225

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0131	0.4510	0.1141	1.1000e-003	0.0230	1.9700e-003	0.0250	6.3200e-003	1.8900e-003	8.2000e-003	0.0000	106.5134	106.5134	6.3900e-003	0.0000	106.6731
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.4000e-004	3.6000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.8000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	0.7297	0.7297	2.0000e-005	0.0000	0.7304
Total	0.0136	0.4513	0.1177	1.1100e-003	0.0238	1.9800e-003	0.0258	6.5300e-003	1.9000e-003	8.4100e-003	0.0000	107.2431	107.2431	6.4100e-003	0.0000	107.4034

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3.5 Hotel: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2331	2.0349	1.5295	2.3400e-003		0.1305	0.1305		0.1227	0.1227	0.0000	206.8575	206.8575	0.0507	0.0000	208.1245
Total	0.2331	2.0349	1.5295	2.3400e-003		0.1305	0.1305		0.1227	0.1227	0.0000	206.8575	206.8575	0.0507	0.0000	208.1245

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0397	0.9487	0.3142	1.8300e-003	0.0427	7.4700e-003	0.0502	0.0124	7.1500e-003	0.0195	0.0000	175.2210	175.2210	0.0113	0.0000	175.5040
Worker	0.0837	0.0607	0.6441	1.4500e-003	0.1380	1.0500e-003	0.1391	0.0367	9.7000e-004	0.0377	0.0000	130.6014	130.6014	4.4500e-003	0.0000	130.7127
Total	0.1234	1.0094	0.9583	3.2800e-003	0.1808	8.5200e-003	0.1893	0.0491	8.1200e-003	0.0572	0.0000	305.8224	305.8224	0.0158	0.0000	306.2166

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3.5 Hotel: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2331	2.0349	1.5295	2.3400e-003		0.1305	0.1305		0.1227	0.1227	0.0000	206.8573	206.8573	0.0507	0.0000	208.1242
Total	0.2331	2.0349	1.5295	2.3400e-003		0.1305	0.1305		0.1227	0.1227	0.0000	206.8573	206.8573	0.0507	0.0000	208.1242

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0397	0.9487	0.3142	1.8300e-003	0.0427	7.4700e-003	0.0502	0.0124	7.1500e-003	0.0195	0.0000	175.2210	175.2210	0.0113	0.0000	175.5040
Worker	0.0837	0.0607	0.6441	1.4500e-003	0.1380	1.0500e-003	0.1391	0.0367	9.7000e-004	0.0377	0.0000	130.6014	130.6014	4.4500e-003	0.0000	130.7127
Total	0.1234	1.0094	0.9583	3.2800e-003	0.1808	8.5200e-003	0.1893	0.0491	8.1200e-003	0.0572	0.0000	305.8224	305.8224	0.0158	0.0000	306.2166

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3.6 SCC East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1400e-003	0.0000	8.1400e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	8.1400e-003	9.6900e-003	0.0178	1.2300e-003	9.0200e-003	0.0103	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0119	3.0100e-003	3.0000e-005	6.1000e-004	5.0000e-005	6.6000e-004	1.7000e-004	5.0000e-005	2.2000e-004	0.0000	2.8143	2.8143	1.7000e-004	0.0000	2.8185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	6.8000e-004	0.0122	5.5800e-003	4.0000e-005	1.1600e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	3.3355	3.3355	1.9000e-004	0.0000	3.3402

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3.6 SCC East Expansion: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1400e-003	0.0000	8.1400e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	8.1400e-003	9.6900e-003	0.0178	1.2300e-003	9.0200e-003	0.0103	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0119	3.0100e-003	3.0000e-005	6.1000e-004	5.0000e-005	6.6000e-004	1.7000e-004	5.0000e-005	2.2000e-004	0.0000	2.8143	2.8143	1.7000e-004	0.0000	2.8185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	6.8000e-004	0.0122	5.5800e-003	4.0000e-005	1.1600e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	3.3355	3.3355	1.9000e-004	0.0000	3.3402

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3.7 SCC East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1929	1.6841	1.2658	1.9400e-003		0.1080	0.1080		0.1015	0.1015	0.0000	171.1924	171.1924	0.0419	0.0000	172.2410
Total	0.1929	1.6841	1.2658	1.9400e-003		0.1080	0.1080		0.1015	0.1015	0.0000	171.1924	171.1924	0.0419	0.0000	172.2410

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0329	0.7851	0.2600	1.5100e-003	0.0354	6.1900e-003	0.0416	0.0102	5.9200e-003	0.0161	0.0000	145.0105	145.0105	9.3700e-003	0.0000	145.2447
Worker	0.0693	0.0502	0.5331	1.2000e-003	0.1142	8.7000e-004	0.1151	0.0304	8.0000e-004	0.0312	0.0000	108.0839	108.0839	3.6800e-003	0.0000	108.1760
Total	0.1021	0.8354	0.7931	2.7100e-003	0.1496	7.0600e-003	0.1567	0.0406	6.7200e-003	0.0473	0.0000	253.0944	253.0944	0.0131	0.0000	253.4207

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3.7 SCC East Expansion: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1929	1.6841	1.2658	1.9400e-003		0.1080	0.1080		0.1015	0.1015	0.0000	171.1922	171.1922	0.0419	0.0000	172.2408
Total	0.1929	1.6841	1.2658	1.9400e-003		0.1080	0.1080		0.1015	0.1015	0.0000	171.1922	171.1922	0.0419	0.0000	172.2408

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0329	0.7851	0.2600	1.5100e-003	0.0354	6.1900e-003	0.0416	0.0102	5.9200e-003	0.0161	0.0000	145.0105	145.0105	9.3700e-003	0.0000	145.2447
Worker	0.0693	0.0502	0.5331	1.2000e-003	0.1142	8.7000e-004	0.1151	0.0304	8.0000e-004	0.0312	0.0000	108.0839	108.0839	3.6800e-003	0.0000	108.1760
Total	0.1021	0.8354	0.7931	2.7100e-003	0.1496	7.0600e-003	0.1567	0.0406	6.7200e-003	0.0473	0.0000	253.0944	253.0944	0.0131	0.0000	253.4207

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3.7 SCC East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1015	0.9064	0.7380	1.1600e-003		0.0555	0.0555		0.0522	0.0522	0.0000	101.0948	101.0948	0.0246	0.0000	101.7105
Total	0.1015	0.9064	0.7380	1.1600e-003		0.0555	0.0555		0.0522	0.0522	0.0000	101.0948	101.0948	0.0246	0.0000	101.7105

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0173	0.4431	0.1354	9.0000e-004	0.0211	3.1600e-003	0.0243	6.1000e-003	3.0200e-003	9.1300e-003	0.0000	85.9983	85.9983	5.3900e-003	0.0000	86.1331
Worker	0.0376	0.0264	0.2850	6.9000e-004	0.0682	5.0000e-004	0.0687	0.0181	4.6000e-004	0.0186	0.0000	62.3572	62.3572	1.9400e-003	0.0000	62.4057
Total	0.0549	0.4695	0.4204	1.5900e-003	0.0893	3.6600e-003	0.0930	0.0242	3.4800e-003	0.0277	0.0000	148.3555	148.3555	7.3300e-003	0.0000	148.5388

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3.7 SCC East Expansion: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1015	0.9064	0.7380	1.1600e-003		0.0555	0.0555		0.0522	0.0522	0.0000	101.0947	101.0947	0.0246	0.0000	101.7104
Total	0.1015	0.9064	0.7380	1.1600e-003		0.0555	0.0555		0.0522	0.0522	0.0000	101.0947	101.0947	0.0246	0.0000	101.7104

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0173	0.4431	0.1354	9.0000e-004	0.0211	3.1600e-003	0.0243	6.1000e-003	3.0200e-003	9.1300e-003	0.0000	85.9983	85.9983	5.3900e-003	0.0000	86.1331
Worker	0.0376	0.0264	0.2850	6.9000e-004	0.0682	5.0000e-004	0.0687	0.0181	4.6000e-004	0.0186	0.0000	62.3572	62.3572	1.9400e-003	0.0000	62.4057
Total	0.0549	0.4695	0.4204	1.5900e-003	0.0893	3.6600e-003	0.0930	0.0242	3.4800e-003	0.0277	0.0000	148.3555	148.3555	7.3300e-003	0.0000	148.5388

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3.8 Hotel: Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	4.8000e-004	5.1400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0425	1.0425	4.0000e-005	0.0000	1.0434
Total	6.7000e-004	4.8000e-004	5.1400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0425	1.0425	4.0000e-005	0.0000	1.0434

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3.8 Hotel: Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	4.8000e-004	5.1400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0425	1.0425	4.0000e-005	0.0000	1.0434
Total	6.7000e-004	4.8000e-004	5.1400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0425	1.0425	4.0000e-005	0.0000	1.0434

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3.9 Hotel: Interior and Exterior Finish Work - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6300e-003	0.0311	0.0287	5.0000e-005		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	3.9576	3.9576	3.8000e-004	0.0000	3.9670
Total	0.2163	0.0311	0.0287	5.0000e-005		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	3.9576	3.9576	3.8000e-004	0.0000	3.9670

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9700e-003	2.1500e-003	0.0229	5.0000e-005	4.9000e-003	4.0000e-005	4.9300e-003	1.3000e-003	3.0000e-005	1.3400e-003	0.0000	4.6321	4.6321	1.6000e-004	0.0000	4.6360
Total	2.9700e-003	2.1500e-003	0.0229	5.0000e-005	4.9000e-003	4.0000e-005	4.9300e-003	1.3000e-003	3.0000e-005	1.3400e-003	0.0000	4.6321	4.6321	1.6000e-004	0.0000	4.6360

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3.9 Hotel: Interior and Exterior Finish Work - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6300e-003	0.0311	0.0287	5.0000e-005		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	3.9576	3.9576	3.8000e-004	0.0000	3.9670
Total	0.2163	0.0311	0.0287	5.0000e-005		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	3.9576	3.9576	3.8000e-004	0.0000	3.9670

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9700e-003	2.1500e-003	0.0229	5.0000e-005	4.9000e-003	4.0000e-005	4.9300e-003	1.3000e-003	3.0000e-005	1.3400e-003	0.0000	4.6321	4.6321	1.6000e-004	0.0000	4.6360
Total	2.9700e-003	2.1500e-003	0.0229	5.0000e-005	4.9000e-003	4.0000e-005	4.9300e-003	1.3000e-003	3.0000e-005	1.3400e-003	0.0000	4.6321	4.6321	1.6000e-004	0.0000	4.6360

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3.9 Hotel: Interior and Exterior Finish Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7825					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3200	33.3200	2.8100e-003	0.0000	33.3903
Total	1.8173	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3200	33.3200	2.8100e-003	0.0000	33.3903

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0227	0.0159	0.1722	4.2000e-004	0.0412	3.0000e-004	0.0415	0.0110	2.8000e-004	0.0112	0.0000	37.6741	37.6741	1.1700e-003	0.0000	37.7034
Total	0.0227	0.0159	0.1722	4.2000e-004	0.0412	3.0000e-004	0.0415	0.0110	2.8000e-004	0.0112	0.0000	37.6741	37.6741	1.1700e-003	0.0000	37.7034

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3.9 Hotel: Interior and Exterior Finish Work - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7825					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3199	33.3199	2.8100e-003	0.0000	33.3903
Total	1.8173	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3199	33.3199	2.8100e-003	0.0000	33.3903

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0227	0.0159	0.1722	4.2000e-004	0.0412	3.0000e-004	0.0415	0.0110	2.8000e-004	0.0112	0.0000	37.6741	37.6741	1.1700e-003	0.0000	37.7034
Total	0.0227	0.0159	0.1722	4.2000e-004	0.0412	3.0000e-004	0.0415	0.0110	2.8000e-004	0.0112	0.0000	37.6741	37.6741	1.1700e-003	0.0000	37.7034

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3.9 Hotel: Interior and Exterior Finish Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-003	0.0118	0.0128	2.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	1.7873	1.7873	1.4000e-004	0.0000	1.7907
Total	0.0973	0.0118	0.0128	2.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	1.7873	1.7873	1.4000e-004	0.0000	1.7907

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	7.6000e-004	8.3300e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.9587	1.9587	6.0000e-005	0.0000	1.9601
Total	1.1200e-003	7.6000e-004	8.3300e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.9587	1.9587	6.0000e-005	0.0000	1.9601

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3.9 Hotel: Interior and Exterior Finish Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-003	0.0118	0.0128	2.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	1.7873	1.7873	1.4000e-004	0.0000	1.7907
Total	0.0973	0.0118	0.0128	2.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	1.7873	1.7873	1.4000e-004	0.0000	1.7907

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	7.6000e-004	8.3300e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.9587	1.9587	6.0000e-005	0.0000	1.9601
Total	1.1200e-003	7.6000e-004	8.3300e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.9587	1.9587	6.0000e-005	0.0000	1.9601

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3.10 SCC East Expansion: Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5587
Total	2.0925	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5587

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7400e-003	1.2200e-003	0.0132	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.8869	2.8869	9.0000e-005	0.0000	2.8892
Total	1.7400e-003	1.2200e-003	0.0132	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.8869	2.8869	9.0000e-005	0.0000	2.8892

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3.10 SCC East Expansion: Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5586
Total	2.0925	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5586

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7400e-003	1.2200e-003	0.0132	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.8869	2.8869	9.0000e-005	0.0000	2.8892
Total	1.7400e-003	1.2200e-003	0.0132	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.8869	2.8869	9.0000e-005	0.0000	2.8892

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3.11 SCC West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0540	0.0000	0.0540	8.1700e-003	0.0000	8.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0703	0.7157	0.4412	7.8000e-004		0.0359	0.0359		0.0334	0.0334	0.0000	69.2527	69.2527	0.0193	0.0000	69.7343
Total	0.0703	0.7157	0.4412	7.8000e-004	0.0540	0.0359	0.0899	8.1700e-003	0.0334	0.0416	0.0000	69.2527	69.2527	0.0193	0.0000	69.7343

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0743	0.0180	1.9000e-004	4.0300e-003	3.1000e-004	4.3500e-003	1.1100e-003	3.0000e-004	1.4100e-003	0.0000	18.4792	18.4792	1.1000e-003	0.0000	18.5067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	8.5000e-004	9.2100e-003	2.0000e-005	2.2000e-003	2.0000e-005	2.2200e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	2.0141	2.0141	6.0000e-005	0.0000	2.0157
Total	3.3200e-003	0.0751	0.0272	2.1000e-004	6.2300e-003	3.3000e-004	6.5700e-003	1.7000e-003	3.1000e-004	2.0100e-003	0.0000	20.4933	20.4933	1.1600e-003	0.0000	20.5224

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3.11 SCC West Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0540	0.0000	0.0540	8.1700e-003	0.0000	8.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0703	0.7157	0.4412	7.8000e-004		0.0359	0.0359		0.0334	0.0334	0.0000	69.2526	69.2526	0.0193	0.0000	69.7342
Total	0.0703	0.7157	0.4412	7.8000e-004	0.0540	0.0359	0.0899	8.1700e-003	0.0334	0.0416	0.0000	69.2526	69.2526	0.0193	0.0000	69.7342

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0743	0.0180	1.9000e-004	4.0300e-003	3.1000e-004	4.3500e-003	1.1100e-003	3.0000e-004	1.4100e-003	0.0000	18.4792	18.4792	1.1000e-003	0.0000	18.5067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	8.5000e-004	9.2100e-003	2.0000e-005	2.2000e-003	2.0000e-005	2.2200e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	2.0141	2.0141	6.0000e-005	0.0000	2.0157
Total	3.3200e-003	0.0751	0.0272	2.1000e-004	6.2300e-003	3.3000e-004	6.5700e-003	1.7000e-003	3.1000e-004	2.0100e-003	0.0000	20.4933	20.4933	1.1600e-003	0.0000	20.5224

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3.12 SCC West Expansion: Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1122	1.0012	0.8153	1.2800e-003		0.0613	0.0613		0.0576	0.0576	0.0000	111.6745	111.6745	0.0272	0.0000	112.3546
Total	0.1122	1.0012	0.8153	1.2800e-003		0.0613	0.0613		0.0576	0.0576	0.0000	111.6745	111.6745	0.0272	0.0000	112.3546

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0191	0.4895	0.1496	9.9000e-004	0.0233	3.4900e-003	0.0268	6.7400e-003	3.3400e-003	0.0101	0.0000	94.9981	94.9981	5.9600e-003	0.0000	95.1470
Worker	0.0415	0.0292	0.3148	7.6000e-004	0.0754	5.6000e-004	0.0759	0.0200	5.1000e-004	0.0206	0.0000	68.8830	68.8830	2.1400e-003	0.0000	68.9365
Total	0.0606	0.5186	0.4644	1.7500e-003	0.0987	4.0500e-003	0.1027	0.0268	3.8500e-003	0.0306	0.0000	163.8811	163.8811	8.1000e-003	0.0000	164.0835

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3.12 SCC West Expansion: Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1122	1.0012	0.8153	1.2800e-003		0.0613	0.0613		0.0576	0.0576	0.0000	111.6744	111.6744	0.0272	0.0000	112.3545
Total	0.1122	1.0012	0.8153	1.2800e-003		0.0613	0.0613		0.0576	0.0576	0.0000	111.6744	111.6744	0.0272	0.0000	112.3545

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0191	0.4895	0.1496	9.9000e-004	0.0233	3.4900e-003	0.0268	6.7400e-003	3.3400e-003	0.0101	0.0000	94.9981	94.9981	5.9600e-003	0.0000	95.1470
Worker	0.0415	0.0292	0.3148	7.6000e-004	0.0754	5.6000e-004	0.0759	0.0200	5.1000e-004	0.0206	0.0000	68.8830	68.8830	2.1400e-003	0.0000	68.9365
Total	0.0606	0.5186	0.4644	1.7500e-003	0.0987	4.0500e-003	0.1027	0.0268	3.8500e-003	0.0306	0.0000	163.8811	163.8811	8.1000e-003	0.0000	164.0835

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3.12 SCC West Expansion: Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1961	1.7747	1.5585	2.4900e-003		0.1033	0.1033		0.0972	0.0972	0.0000	214.2392	214.2392	0.0523	0.0000	215.5459
Total	0.1961	1.7747	1.5585	2.4900e-003		0.1033	0.1033		0.0972	0.0972	0.0000	214.2392	214.2392	0.0523	0.0000	215.5459

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0297	0.8714	0.2430	1.9100e-003	0.0454	4.5100e-003	0.0499	0.0131	4.3100e-003	0.0175	0.0000	183.8486	183.8486	0.0109	0.0000	184.1208
Worker	0.0744	0.0504	0.5531	1.4400e-003	0.1467	1.0600e-003	0.1478	0.0390	9.7000e-004	0.0400	0.0000	130.0171	130.0171	3.6800e-003	0.0000	130.1090
Total	0.1041	0.9218	0.7961	3.3500e-003	0.1922	5.5700e-003	0.1977	0.0522	5.2800e-003	0.0575	0.0000	313.8657	313.8657	0.0146	0.0000	314.2297

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3.12 SCC West Expansion: Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1961	1.7747	1.5585	2.4900e-003		0.1033	0.1033		0.0972	0.0972	0.0000	214.2390	214.2390	0.0523	0.0000	215.5457
Total	0.1961	1.7747	1.5585	2.4900e-003		0.1033	0.1033		0.0972	0.0972	0.0000	214.2390	214.2390	0.0523	0.0000	215.5457

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0297	0.8714	0.2430	1.9100e-003	0.0454	4.5100e-003	0.0499	0.0131	4.3100e-003	0.0175	0.0000	183.8486	183.8486	0.0109	0.0000	184.1208
Worker	0.0744	0.0504	0.5531	1.4400e-003	0.1467	1.0600e-003	0.1478	0.0390	9.7000e-004	0.0400	0.0000	130.0171	130.0171	3.6800e-003	0.0000	130.1090
Total	0.1041	0.9218	0.7961	3.3500e-003	0.1922	5.5700e-003	0.1977	0.0522	5.2800e-003	0.0575	0.0000	313.8657	313.8657	0.0146	0.0000	314.2297

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3.13 SCC West Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	2.0923	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-003	1.0900e-003	0.0119	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7982	2.7982	8.0000e-005	0.0000	2.8001
Total	1.6000e-003	1.0900e-003	0.0119	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7982	2.7982	8.0000e-005	0.0000	2.8001

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3.13 SCC West Expansion: Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	2.0923	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-003	1.0900e-003	0.0119	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7982	2.7982	8.0000e-005	0.0000	2.8001
Total	1.6000e-003	1.0900e-003	0.0119	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7982	2.7982	8.0000e-005	0.0000	2.8001

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0774	3.6143	8.3196	0.0177	1.2980	0.0210	1.3189	0.3481	0.0197	0.3678	0.0000	1,624.0113	1,624.0113	0.1061	0.0000	1,626.6625
Unmitigated	1.0774	3.6143	8.3196	0.0177	1.2980	0.0210	1.3189	0.3481	0.0197	0.3678	0.0000	1,624.0113	1,624.0113	0.1061	0.0000	1,626.6625

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	1,380.25	1,380.25	1380.25	1,034,343	1,034,343
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	2,859.50	2,866.50	2082.50	2,444,179	2,444,179
Total	4,239.75	4,246.75	3,462.75	3,478,521	3,478,521

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	5.32	2.66	3.46	0.00	81.00	19.00	66	28	6
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hotel	5.77	2.89	3.75	19.40	61.60	19.00	58	38	4

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Enclosed Parking with Elevator	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Hotel	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,418.6640	1,418.6640	0.0697	0.0144	1,424.7034
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,418.6640	1,418.6640	0.0697	0.0144	1,424.7034
NaturalGas Mitigated	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166
NaturalGas Unmitigated	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.49149e+007	0.0804	0.7311	0.6141	4.3900e-003		0.0556	0.0556		0.0556	0.0556	0.0000	795.9159	795.9159	0.0153	0.0146	800.6456
Total		0.0928	0.8437	0.7087	5.0700e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.49149e+007	0.0804	0.7311	0.6141	4.3900e-003		0.0556	0.0556		0.0556	0.0556	0.0000	795.9159	795.9159	0.0153	0.0146	800.6456
Total		0.0928	0.8437	0.7087	5.0700e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Enclosed Parking with Elevator	438100	117.3057	5.7600e-003	1.1900e-003	117.8051
Hotel	3.86925e+006	1,036.0308	0.0509	0.0105	1,040.4413
Total		1,418.6640	0.0697	0.0144	1,424.7034

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Enclosed Parking with Elevator	438100	117.3057	5.7600e-003	1.1900e-003	117.8051
Hotel	3.86925e+006	1,036.0308	0.0509	0.0105	1,040.4413
Total		1,418.6640	0.0697	0.0144	1,424.7034

6.0 Area Detail

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6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Unmitigated	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2090					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.8000e-004	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Total	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2090					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.8000e-004	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Total	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	64.0425	0.0469	0.0285	73.7189
Unmitigated	64.0425	0.0469	0.0285	73.7189

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	8.87837 / 0.986486	15.9107	0.0114	6.9600e-003	18.2710
Total		64.0425	0.0469	0.0285	73.7189

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	8.87837 / 0.986486	15.9107	0.0114	6.9600e-003	18.2710
Total		64.0425	0.0469	0.0285	73.7189

8.0 Waste Detail

8.1 Mitigation Measures Waste

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	39.2564	2.3200	0.0000	97.2561
Unmitigated	39.2564	2.3200	0.0000	97.2561

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	191.63	38.8992	2.2989	0.0000	96.3710
Total		39.2564	2.3200	0.0000	97.2561

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	191.63	38.8992	2.2989	0.0000	96.3710
Total		39.2564	2.3200	0.0000	97.2561

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Annual

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Boiler - CNG (5 - 75 MMBTU)	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947
Total	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3747	2,337.3747	0.0448	0.0000	2,338.4947

11.0 Vegetation

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

Sacramento Convention Center and Hotel (AQMP)
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	65.00	1000sqft	0.00	65,000.00	0
Arena	63.93	1000sqft	6.52	63,930.00	0
Hotel	350.00	Room	0.56	385,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

Project Characteristics -

Land Use - "Arena" land-use used as a surrogate for Convention Center land-use.

Construction Phase - Construction schedule based on project-specific estimates. For total days of grading and paving (hotel), defaults for 10 acre site used (450ksf)

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - Total acres graded equal to site footprint.

Architectural Coating -

Vehicle Trips - Project-specific traffic information.

Energy Use - Calculated energy savings for 2016 Title 24 Standards by applying 5% reduction in energy use over 2013 Standards.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	306.00
tblConstructionPhase	NumDays	230.00	280.00
tblConstructionPhase	NumDays	230.00	174.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	40.00

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tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	100.00
tblFleetMix	FleetMixLandUseSubType	Enclosed Parking with Elevator	Arena
tblFleetMix	FleetMixLandUseSubType	Arena	Enclosed Parking with Elevator
tblGrading	AcresOfGrading	7.00	0.56
tblGrading	AcresOfGrading	0.00	6.52
tblGrading	MaterialExported	0.00	21,800.00
tblLandUse	BuildingSpaceSquareFeet	508,200.00	385,000.00
tblLandUse	LandUseSquareFeet	508,200.00	385,000.00
tblLandUse	LotAcreage	1.49	0.00
tblLandUse	LotAcreage	20.55	6.52
tblLandUse	LotAcreage	11.67	0.56
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	CC_TL	5.00	2.66
tblVehicleTrips	CC_TL	5.00	2.89
tblVehicleTrips	CNW_TL	6.50	3.46
tblVehicleTrips	CNW_TL	6.50	3.75
tblVehicleTrips	CW_TL	10.00	5.32
tblVehicleTrips	CW_TL	10.00	5.77
tblVehicleTrips	ST_TR	10.71	21.59
tblVehicleTrips	SU_TR	10.71	21.59
tblVehicleTrips	WD_TR	10.71	21.59

2.0 Emissions Summary

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	18.4231	141.0355	76.4362	0.2284	28.1609	6.1245	32.5688	14.2957	5.6895	18.3612	0.0000	23,976.94 21	23,976.94 21	3.1499	0.0000	24,054.95 98
2019	227.3485	41.3485	34.7547	0.0788	3.3482	1.9422	5.2904	0.7549	1.8161	2.3987	0.0000	7,854.882 0	7,854.882 0	1.1600	0.0000	7,877.146 4
2020	212.7785	30.6861	29.6153	0.0715	2.4757	1.2898	3.7655	0.6681	1.2199	1.8880	0.0000	7,104.415 2	7,104.415 2	0.8290	0.0000	7,125.140 8
Maximum	227.3485	141.0355	76.4362	0.2284	28.1609	6.1245	32.5688	14.2957	5.6895	18.3612	0.0000	23,976.94 21	23,976.94 21	3.1499	0.0000	24,054.95 98

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	18.4231	141.0355	76.4362	0.2284	28.1609	6.1245	32.5688	14.2957	5.6895	18.3612	0.0000	23,976.94 21	23,976.94 21	3.1499	0.0000	24,054.95 98
2019	227.3485	41.3485	34.7547	0.0788	3.3482	1.9422	5.2904	0.7549	1.8161	2.3987	0.0000	7,854.882 0	7,854.882 0	1.1600	0.0000	7,877.146 4
2020	212.7785	30.6861	29.6153	0.0715	2.4757	1.2898	3.7655	0.6681	1.2199	1.8880	0.0000	7,104.415 2	7,104.415 2	0.8290	0.0000	7,125.140 8
Maximum	227.3485	141.0355	76.4362	0.2284	28.1609	6.1245	32.5688	14.2957	5.6895	18.3612	0.0000	23,976.94 21	23,976.94 21	3.1499	0.0000	24,054.95 98

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	8.0211	19.9640	48.3028	0.1079	7.6034	0.1173	7.7207	2.0334	0.1101	2.1435		10,913.1372	10,913.1372	0.6558		10,929.5311
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	19.9566	25.9075	63.7649	0.2062	7.6034	1.3629	8.9663	2.0334	1.3557	3.3891		30,578.6776	30,578.6776	1.0330	0.1017	30,634.8096

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	8.0211	19.9640	48.3028	0.1079	7.6034	0.1173	7.7207	2.0334	0.1101	2.1435		10,913.1372	10,913.1372	0.6558		10,929.5311
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	19.9566	25.9075	63.7649	0.2062	7.6034	1.3629	8.9663	2.0334	1.3557	3.3891		30,578.6776	30,578.6776	1.0330	0.1017	30,634.8096

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Hotel: Demolition	Demolition	1/17/2018	1/30/2018	5	10	
2	SCC Early Utility Work and Site Preparation	Site Preparation	1/17/2018	6/5/2018	5	100	
3	Hotel: Excavation	Grading	1/31/2018	2/19/2018	5	14	
4	Hotel: Construction	Building Construction	2/20/2018	10/19/2018	5	174	
5	SCC East Expansion: Demolition	Demolition	5/30/2018	6/12/2018	5	10	
6	SCC East Expansion: Construction	Building Construction	6/13/2018	4/30/2019	5	230	
7	Hotel: Paving	Paving	10/20/2018	11/16/2018	5	20	
8	Hotel: Interior and Exterior Finish Work	Architectural Coating	11/17/2018	1/20/2020	5	306	
9	SCC East Expansion: Architectural Coating	Architectural Coating	4/1/2019	4/26/2019	5	20	
10	SCC West Expansion: Demolition	Demolition	6/26/2019	8/20/2019	5	40	
11	SCC West Expansion: Building Construction	Building Construction	8/21/2019	9/15/2020	5	280	
12	SCC West Expansion: Architectural Coating	Architectural Coating	8/17/2020	9/11/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,395; Non-Residential Outdoor: 224,465; Striped Parking Area: 3,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hotel: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Demolition	Excavators	3	8.00	158	0.38
Hotel: Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

SCC East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC East Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Hotel: Excavation	Excavators	1	8.00	158	0.38
Hotel: Excavation	Graders	1	8.00	187	0.41
Hotel: Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Hotel: Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel: Construction	Cranes	1	7.00	231	0.29
Hotel: Construction	Forklifts	3	8.00	89	0.20
Hotel: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Construction	Welders	1	8.00	46	0.45
SCC East Expansion: Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Construction	Forklifts	3	8.00	89	0.20
SCC East Expansion: Construction	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Construction	Welders	1	8.00	46	0.45
SCC West Expansion: Building Construction	Cranes	1	7.00	231	0.29
SCC West Expansion: Building Construction	Forklifts	3	8.00	89	0.20
SCC West Expansion: Building Construction	Generator Sets	1	8.00	84	0.74
SCC West Expansion: Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

SCC West Expansion: Building Construction	Welders	1	8.00	46	0.45
Hotel: Paving	Pavers	2	8.00	130	0.42
Hotel: Paving	Paving Equipment	2	8.00	132	0.36
Hotel: Paving	Rollers	2	8.00	80	0.38
Hotel: Interior and Exterior Finish Work	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Hotel: Demolition	6	15.00	0.00	88.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Excavation	6	15.00	0.00	2,725.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Building Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Interior and Exterior Finish Work	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.2 Hotel: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9744	1.9386	3.9130	0.2990	1.8048	2.1038		3,871.7665	3,871.7665	1.0667		3,898.4344

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0835	2.8061	0.7261	7.1400e-003	0.1532	0.0126	0.1657	0.0419	0.0120	0.0539		763.0564	763.0564	0.0447		764.1732
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1608	2.8500	1.3293	8.4200e-003	0.2673	0.0134	0.2807	0.0722	0.0128	0.0850		890.1602	890.1602	0.0490		891.3863

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.2 Hotel: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9744	1.9386	3.9130	0.2990	1.8048	2.1038	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0835	2.8061	0.7261	7.1400e-003	0.1532	0.0126	0.1657	0.0419	0.0120	0.0539		763.0564	763.0564	0.0447		764.1732
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1608	2.8500	1.3293	8.4200e-003	0.2673	0.0134	0.2807	0.0722	0.0128	0.0850		890.1602	890.1602	0.0490		891.3863

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.3 SCC Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1354	0.0000	18.1354	9.9382	0.0000	9.9382			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.1354	2.5769	20.7123	9.9382	2.3708	12.3089		3,831.6239	3,831.6239	1.1928		3,861.4448

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557
Total	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.3 SCC Early Utility Work and Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1354	0.0000	18.1354	9.9382	0.0000	9.9382			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.1354	2.5769	20.7123	9.9382	2.3708	12.3089	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557
Total	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.4 Hotel: Excavation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3865	0.0000	6.3865	3.3636	0.0000	3.3636			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.3865	1.5513	7.9379	3.3636	1.4272	4.7908		2,988.0216	2,988.0216	0.9302		3,011.2769

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8473	62.0677	16.0605	0.1579	3.3879	0.2778	3.6657	0.9274	0.2658	1.1932		16,877.6683	16,877.6683	0.9880		16,902.3694
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	1.9246	62.1116	16.6637	0.1591	3.5020	0.2787	3.7807	0.9576	0.2666	1.2242		17,004.7721	17,004.7721	0.9924		17,029.5824

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.4 Hotel: Excavation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3865	0.0000	6.3865	3.3636	0.0000	3.3636			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.3865	1.5513	7.9379	3.3636	1.4272	4.7908	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8473	62.0677	16.0605	0.1579	3.3879	0.2778	3.6657	0.9274	0.2658	1.1932		16,877.6683	16,877.6683	0.9880		16,902.3694
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	1.9246	62.1116	16.6637	0.1591	3.5020	0.2787	3.7807	0.9576	0.2666	1.2242		17,004.7721	17,004.7721	0.9924		17,029.5824

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.5 Hotel: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4512	10.6307	3.4692	0.0212	0.5056	0.0850	0.5906	0.1455	0.0813	0.2268		2,243.4571	2,243.4571	0.1391		2,246.9345
Worker	1.1132	0.6314	8.6853	0.0184	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,830.2946	1,830.2946	0.0630		1,831.8684
Total	1.5643	11.2622	12.1545	0.0396	2.1487	0.0971	2.2458	0.5814	0.0925	0.6738		4,073.7517	4,073.7517	0.2020		4,078.8029

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.5 Hotel: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4512	10.6307	3.4692	0.0212	0.5056	0.0850	0.5906	0.1455	0.0813	0.2268		2,243.457 1	2,243.457 1	0.1391		2,246.934 5
Worker	1.1132	0.6314	8.6853	0.0184	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,830.294 6	1,830.294 6	0.0630		1,831.868 4
Total	1.5643	11.2622	12.1545	0.0396	2.1487	0.0971	2.2458	0.5814	0.0925	0.6738		4,073.751 7	4,073.751 7	0.2020		4,078.802 9

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.6 SCC East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513		3,871.7665	3,871.7665	1.0667		3,898.4344

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0683	2.2959	0.5941	5.8400e-003	0.1253	0.0103	0.1356	0.0343	9.8300e-003	0.0441		624.3189	624.3189	0.0366		625.2326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1456	2.3398	1.1972	7.1200e-003	0.2394	0.0111	0.2505	0.0646	0.0106	0.0752		751.4227	751.4227	0.0409		752.4457

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.6 SCC East Expansion: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0683	2.2959	0.5941	5.8400e-003	0.1253	0.0103	0.1356	0.0343	9.8300e-003	0.0441		624.3189	624.3189	0.0366		625.2326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1456	2.3398	1.1972	7.1200e-003	0.2394	0.0111	0.2505	0.0646	0.0106	0.0752		751.4227	751.4227	0.0409		752.4457

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.7 SCC East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4512	10.6307	3.4692	0.0212	0.5056	0.0850	0.5906	0.1455	0.0813	0.2268		2,243.4571	2,243.4571	0.1391		2,246.9345
Worker	1.1132	0.6314	8.6853	0.0184	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,830.2946	1,830.2946	0.0630		1,831.8684
Total	1.5643	11.2622	12.1545	0.0396	2.1487	0.0971	2.2458	0.5814	0.0925	0.6738		4,073.7517	4,073.7517	0.2020		4,078.8029

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.7 SCC East Expansion: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4512	10.6307	3.4692	0.0212	0.5056	0.0850	0.5906	0.1455	0.0813	0.2268		2,243.457 1	2,243.457 1	0.1391		2,246.934 5
Worker	1.1132	0.6314	8.6853	0.0184	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,830.294 6	1,830.294 6	0.0630		1,831.868 4
Total	1.5643	11.2622	12.1545	0.0396	2.1487	0.0971	2.2458	0.5814	0.0925	0.6738		4,073.751 7	4,073.751 7	0.2020		4,078.802 9

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.7 SCC East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.1078	2,228.1078	0.1339		2,231.4553
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.2661	1,768.2661	0.0556		1,769.6572
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.3739	3,996.3739	0.1895		4,001.1125

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.7 SCC East Expansion: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.8 Hotel: Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.8 Hotel: Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	13.9576	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2216	0.1257	1.7290	3.6700e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		364.3642	364.3642	0.0125		364.6775
Total	0.2216	0.1257	1.7290	3.6700e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		364.3642	364.3642	0.0125		364.6775

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	13.9576	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2216	0.1257	1.7290	3.6700e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		364.3642	364.3642	0.0125		364.6775
Total	0.2216	0.1257	1.7290	3.6700e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		364.3642	364.3642	0.0125		364.6775

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929
Total	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929
Total	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.10 SCC East Expansion: Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	209.2493	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929
Total	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.10 SCC East Expansion: Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	209.2493	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929
Total	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.11 SCC West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6991	0.0000	2.6991	0.4087	0.0000	0.4087			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	2.6991	1.7949	4.4940	0.4087	1.6697	2.0783		3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1042	3.5809	0.8817	9.5800e-003	0.2080	0.0154	0.2234	0.0569	0.0147	0.0717		1,024.959 8	1,024.959 8	0.0595		1,026.446 3
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1745	3.6195	1.4232	0.0108	0.3221	0.0162	0.3383	0.0872	0.0155	0.1027		1,147.756 0	1,147.756 0	0.0633		1,149.339 2

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.11 SCC West Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6991	0.0000	2.6991	0.4087	0.0000	0.4087			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	2.6991	1.7949	4.4940	0.4087	1.6697	2.0783	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1042	3.5809	0.8817	9.5800e-003	0.2080	0.0154	0.2234	0.0569	0.0147	0.0717		1,024.959 8	1,024.959 8	0.0595		1,026.446 3
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1745	3.6195	1.4232	0.0108	0.3221	0.0162	0.3383	0.0872	0.0155	0.1027		1,147.756 0	1,147.756 0	0.0633		1,149.339 2

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3168	9.2236	2.4790	0.0209	0.5055	0.0481	0.5536	0.1455	0.0460	0.1915		2,214.7056	2,214.7056	0.1255		2,217.8430
Worker	0.9314	0.4943	7.0524	0.0172	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,713.9880	1,713.9880	0.0491		1,715.2156
Total	1.2482	9.7178	9.5315	0.0381	2.1486	0.0595	2.2081	0.5813	0.0565	0.6379		3,928.6936	3,928.6936	0.1746		3,933.0586

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3168	9.2236	2.4790	0.0209	0.5055	0.0481	0.5536	0.1455	0.0460	0.1915		2,214.705 6	2,214.705 6	0.1255		2,217.843 0
Worker	0.9314	0.4943	7.0524	0.0172	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,713.988 0	1,713.988 0	0.0491		1,715.215 6
Total	1.2482	9.7178	9.5315	0.0381	2.1486	0.0595	2.2081	0.5813	0.0565	0.6379		3,928.693 6	3,928.693 6	0.1746		3,933.058 6

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.13 SCC West Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	209.2251	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

3.13 SCC West Expansion: Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	209.2251	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

4.0 Operational Detail - Mobile

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.0211	19.9640	48.3028	0.1079	7.6034	0.1173	7.7207	2.0334	0.1101	2.1435		10,913.1372	10,913.1372	0.6558		10,929.5311
Unmitigated	8.0211	19.9640	48.3028	0.1079	7.6034	0.1173	7.7207	2.0334	0.1101	2.1435		10,913.1372	10,913.1372	0.6558		10,929.5311

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	1,380.25	1,380.25	1380.25	1,034,343	1,034,343
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	2,859.50	2,866.50	2082.50	2,444,179	2,444,179
Total	4,239.75	4,246.75	3,462.75	3,478,521	3,478,521

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	5.32	2.66	3.46	0.00	81.00	19.00	66	28	6
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hotel	5.77	2.89	3.75	19.40	61.60	19.00	58	38	4

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Enclosed Parking with Elevator	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Hotel	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
NaturalGas Unmitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40862.7	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40.8627	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

6.0 Area Detail

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Unmitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531

11.0 Vegetation

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

Sacramento Convention Center and Hotel (AQMP)
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	65.00	1000sqft	0.00	65,000.00	0
Arena	63.93	1000sqft	6.52	63,930.00	0
Hotel	350.00	Room	0.56	385,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

Project Characteristics -

Land Use - "Arena" land-use used as a surrogate for Convention Center land-use.

Construction Phase - Construction schedule based on project-specific estimates. For total days of grading and paving (hotel), defaults for 10 acre site used (450ksf)

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - Total acres graded equal to site footprint.

Architectural Coating -

Vehicle Trips - Project-specific traffic information.

Energy Use - Calculated energy savings for 2016 Title 24 Standards by applying 5% reduction in energy use over 2013 Standards.

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	306.00
tblConstructionPhase	NumDays	230.00	280.00
tblConstructionPhase	NumDays	230.00	174.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	40.00

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	100.00
tblFleetMix	FleetMixLandUseSubType	Enclosed Parking with Elevator	Arena
tblFleetMix	FleetMixLandUseSubType	Arena	Enclosed Parking with Elevator
tblGrading	AcresOfGrading	7.00	0.56
tblGrading	AcresOfGrading	0.00	6.52
tblGrading	MaterialExported	0.00	21,800.00
tblLandUse	BuildingSpaceSquareFeet	508,200.00	385,000.00
tblLandUse	LandUseSquareFeet	508,200.00	385,000.00
tblLandUse	LotAcreage	1.49	0.00
tblLandUse	LotAcreage	20.55	6.52
tblLandUse	LotAcreage	11.67	0.56
tblProjectCharacteristics	OperationalYear	2018	2020
tblVehicleTrips	CC_TL	5.00	2.66
tblVehicleTrips	CC_TL	5.00	2.89
tblVehicleTrips	CNW_TL	6.50	3.46
tblVehicleTrips	CNW_TL	6.50	3.75
tblVehicleTrips	CW_TL	10.00	5.32
tblVehicleTrips	CW_TL	10.00	5.77
tblVehicleTrips	ST_TR	10.71	21.59
tblVehicleTrips	SU_TR	10.71	21.59
tblVehicleTrips	WD_TR	10.71	21.59

2.0 Emissions Summary

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	18.3433	143.8151	75.5879	0.2257	28.1609	6.1270	32.5774	14.2957	5.6919	18.3695	0.0000	23,693.6908	23,693.6908	3.1686	0.0000	23,772.9069
2019	227.2563	41.5373	33.6450	0.0752	3.3482	1.9427	5.2909	0.7549	1.8165	2.3992	0.0000	7,497.9774	7,497.9774	1.1612	0.0000	7,520.2997
2020	212.7062	31.0141	28.7724	0.0684	2.4757	1.2914	3.7671	0.6681	1.2214	1.8895	0.0000	6,797.5157	6,797.5157	0.8324	0.0000	6,818.3246
Maximum	227.2563	143.8151	75.5879	0.2257	28.1609	6.1270	32.5774	14.2957	5.6919	18.3695	0.0000	23,693.6908	23,693.6908	3.1686	0.0000	23,772.9069

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	18.3433	143.8151	75.5879	0.2257	28.1609	6.1270	32.5774	14.2957	5.6919	18.3695	0.0000	23,693.6907	23,693.6907	3.1686	0.0000	23,772.9069
2019	227.2563	41.5373	33.6450	0.0752	3.3482	1.9427	5.2909	0.7549	1.8165	2.3992	0.0000	7,497.9774	7,497.9774	1.1612	0.0000	7,520.2997
2020	212.7062	31.0141	28.7724	0.0684	2.4757	1.2914	3.7671	0.6681	1.2214	1.8895	0.0000	6,797.5157	6,797.5157	0.8324	0.0000	6,818.3246
Maximum	227.2563	143.8151	75.5879	0.2257	28.1609	6.1270	32.5774	14.2957	5.6919	18.3695	0.0000	23,693.6907	23,693.6907	3.1686	0.0000	23,772.9069

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	5.7011	20.7921	51.9226	0.0977	7.6034	0.1208	7.7242	2.0334	0.1135	2.1469		9,873.3628	9,873.3628	0.6942		9,890.7166
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	17.6366	26.7356	67.3847	0.1960	7.6034	1.3665	8.9699	2.0334	1.3591	3.3925		29,538.9032	29,538.9032	1.0714	0.1017	29,595.9951

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	5.7011	20.7921	51.9226	0.0977	7.6034	0.1208	7.7242	2.0334	0.1135	2.1469		9,873.3628	9,873.3628	0.6942		9,890.7166
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	17.6366	26.7356	67.3847	0.1960	7.6034	1.3665	8.9699	2.0334	1.3591	3.3925		29,538.9032	29,538.9032	1.0714	0.1017	29,595.9951

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Hotel: Demolition	Demolition	1/17/2018	1/30/2018	5	10	
2	SCC Early Utility Work and Site Preparation	Site Preparation	1/17/2018	6/5/2018	5	100	
3	Hotel: Excavation	Grading	1/31/2018	2/19/2018	5	14	
4	Hotel: Construction	Building Construction	2/20/2018	10/19/2018	5	174	
5	SCC East Expansion: Demolition	Demolition	5/30/2018	6/12/2018	5	10	
6	SCC East Expansion: Construction	Building Construction	6/13/2018	4/30/2019	5	230	
7	Hotel: Paving	Paving	10/20/2018	11/16/2018	5	20	
8	Hotel: Interior and Exterior Finish Work	Architectural Coating	11/17/2018	1/20/2020	5	306	
9	SCC East Expansion: Architectural Coating	Architectural Coating	4/1/2019	4/26/2019	5	20	
10	SCC West Expansion: Demolition	Demolition	6/26/2019	8/20/2019	5	40	
11	SCC West Expansion: Building Construction	Building Construction	8/21/2019	9/15/2020	5	280	
12	SCC West Expansion: Architectural Coating	Architectural Coating	8/17/2020	9/11/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,395; Non-Residential Outdoor: 224,465; Striped Parking Area: 3,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hotel: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Demolition	Excavators	3	8.00	158	0.38
Hotel: Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

SCC East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC East Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Hotel: Excavation	Excavators	1	8.00	158	0.38
Hotel: Excavation	Graders	1	8.00	187	0.41
Hotel: Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Hotel: Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel: Construction	Cranes	1	7.00	231	0.29
Hotel: Construction	Forklifts	3	8.00	89	0.20
Hotel: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Construction	Welders	1	8.00	46	0.45
SCC East Expansion: Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Construction	Forklifts	3	8.00	89	0.20
SCC East Expansion: Construction	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Construction	Welders	1	8.00	46	0.45
SCC West Expansion: Building Construction	Cranes	1	7.00	231	0.29
SCC West Expansion: Building Construction	Forklifts	3	8.00	89	0.20
SCC West Expansion: Building Construction	Generator Sets	1	8.00	84	0.74
SCC West Expansion: Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

SCC West Expansion: Building Construction	Welders	1	8.00	46	0.45
Hotel: Paving	Pavers	2	8.00	130	0.42
Hotel: Paving	Paving Equipment	2	8.00	132	0.36
Hotel: Paving	Rollers	2	8.00	80	0.38
Hotel: Interior and Exterior Finish Work	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Hotel: Demolition	6	15.00	0.00	88.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Excavation	6	15.00	0.00	2,725.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Building Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Interior and Exterior Finish Work	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.2 Hotel: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9744	1.9386	3.9130	0.2990	1.8048	2.1038		3,871.7665	3,871.7665	1.0667		3,898.4344

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0868	2.9308	0.7799	7.0300e-003	0.1532	0.0130	0.1661	0.0419	0.0124	0.0543		751.7880	751.7880	0.0469		752.9602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1581	2.9850	1.3021	8.1500e-003	0.2673	0.0138	0.2811	0.0722	0.0132	0.0854		863.4322	863.4322	0.0508		864.7017

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.2 Hotel: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9744	1.9386	3.9130	0.2990	1.8048	2.1038	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0868	2.9308	0.7799	7.0300e-003	0.1532	0.0130	0.1661	0.0419	0.0124	0.0543		751.7880	751.7880	0.0469		752.9602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1581	2.9850	1.3021	8.1500e-003	0.2673	0.0138	0.2811	0.0722	0.0132	0.0854		863.4322	863.4322	0.0508		864.7017

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.3 SCC Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1354	0.0000	18.1354	9.9382	0.0000	9.9382			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.1354	2.5769	20.7123	9.9382	2.3708	12.3089		3,831.6239	3,831.6239	1.1928		3,861.4448

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898
Total	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.3 SCC Early Utility Work and Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1354	0.0000	18.1354	9.9382	0.0000	9.9382			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.1354	2.5769	20.7123	9.9382	2.3708	12.3089	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898
Total	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.4 Hotel: Excavation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3865	0.0000	6.3865	3.3636	0.0000	3.3636			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.3865	1.5513	7.9379	3.3636	1.4272	4.7908		2,988.0216	2,988.0216	0.9302		3,011.2769

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9200	64.8244	17.2505	0.1555	3.3879	0.2865	3.6744	0.9274	0.2741	1.2015		16,628.4280	16,628.4280	1.0370		16,654.3539
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	1.9913	64.8787	17.7727	0.1567	3.5020	0.2873	3.7893	0.9576	0.2749	1.2325		16,740.0722	16,740.0722	1.0409		16,766.0954

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.4 Hotel: Excavation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3865	0.0000	6.3865	3.3636	0.0000	3.3636			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.3865	1.5513	7.9379	3.3636	1.4272	4.7908	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9200	64.8244	17.2505	0.1555	3.3879	0.2865	3.6744	0.9274	0.2741	1.2015		16,628.4280	16,628.4280	1.0370		16,654.3539
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	1.9913	64.8787	17.7727	0.1567	3.5020	0.2873	3.7893	0.9576	0.2749	1.2325		16,740.0722	16,740.0722	1.0409		16,766.0954

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.5 Hotel: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4747	10.9150	3.9202	0.0207	0.5056	0.0871	0.5928	0.1455	0.0834	0.2289		2,187.8639	2,187.8639	0.1508		2,191.6332
Worker	1.0270	0.7812	7.5200	0.0162	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,607.6766	1,607.6766	0.0561		1,609.0780
Total	1.5017	11.6961	11.4402	0.0369	2.1487	0.0992	2.2480	0.5814	0.0945	0.6759		3,795.5404	3,795.5404	0.2068		3,800.7112

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.5 Hotel: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4747	10.9150	3.9202	0.0207	0.5056	0.0871	0.5928	0.1455	0.0834	0.2289		2,187.863 9	2,187.863 9	0.1508		2,191.633 2
Worker	1.0270	0.7812	7.5200	0.0162	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,607.676 6	1,607.676 6	0.0561		1,609.078 0
Total	1.5017	11.6961	11.4402	0.0369	2.1487	0.0992	2.2480	0.5814	0.0945	0.6759		3,795.540 4	3,795.540 4	0.2068		3,800.711 2

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.6 SCC East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513		3,871.7665	3,871.7665	1.0667		3,898.4344

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0710	2.3979	0.6381	5.7500e-003	0.1253	0.0106	0.1359	0.0343	0.0101	0.0444		615.0993	615.0993	0.0384		616.0583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1423	2.4522	1.1603	6.8700e-003	0.2394	0.0114	0.2509	0.0646	0.0109	0.0755		726.7435	726.7435	0.0423		727.7998

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.6 SCC East Expansion: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0710	2.3979	0.6381	5.7500e-003	0.1253	0.0106	0.1359	0.0343	0.0101	0.0444		615.0993	615.0993	0.0384		616.0583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1423	2.4522	1.1603	6.8700e-003	0.2394	0.0114	0.2509	0.0646	0.0109	0.0755		726.7435	726.7435	0.0423		727.7998

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.7 SCC East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4747	10.9150	3.9202	0.0207	0.5056	0.0871	0.5928	0.1455	0.0834	0.2289		2,187.8639	2,187.8639	0.1508		2,191.6332
Worker	1.0270	0.7812	7.5200	0.0162	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,607.6766	1,607.6766	0.0561		1,609.0780
Total	1.5017	11.6961	11.4402	0.0369	2.1487	0.0992	2.2480	0.5814	0.0945	0.6759		3,795.5404	3,795.5404	0.2068		3,800.7112

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.7 SCC East Expansion: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4747	10.9150	3.9202	0.0207	0.5056	0.0871	0.5928	0.1455	0.0834	0.2289		2,187.863 9	2,187.863 9	0.1508		2,191.633 2
Worker	1.0270	0.7812	7.5200	0.0162	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,607.676 6	1,607.676 6	0.0561		1,609.078 0
Total	1.5017	11.6961	11.4402	0.0369	2.1487	0.0992	2.2480	0.5814	0.0945	0.6759		3,795.540 4	3,795.540 4	0.2068		3,800.711 2

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.7 SCC East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.1208	2,172.1208	0.1451		2,175.7481
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.0403	1,553.0403	0.0493		1,554.2727
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.1611	3,725.1611	0.1944		3,730.0208

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.7 SCC East Expansion: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.1208	2,172.1208	0.1451		2,175.7481
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.0403	1,553.0403	0.0493		1,554.2727
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.1611	3,725.1611	0.1944		3,730.0208

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.8 Hotel: Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.8 Hotel: Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	13.9576	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2044	0.1555	1.4970	3.2200e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		320.0467	320.0467	0.0112		320.3257
Total	0.2044	0.1555	1.4970	3.2200e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		320.0467	320.0467	0.0112		320.3257

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	13.9576	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2044	0.1555	1.4970	3.2200e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		320.0467	320.0467	0.0112		320.3257
Total	0.2044	0.1555	1.4970	3.2200e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		320.0467	320.0467	0.0112		320.3257

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154
Total	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154
Total	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.10 SCC East Expansion: Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	209.2493	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154
Total	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.10 SCC East Expansion: Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	209.2493	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154
Total	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.11 SCC West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6991	0.0000	2.6991	0.4087	0.0000	0.4087			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	2.6991	1.7949	4.4940	0.4087	1.6697	2.0783		3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1079	3.7344	0.9456	9.4300e-003	0.2080	0.0159	0.2238	0.0569	0.0152	0.0721		1,009.558 1	1,009.558 1	0.0624		1,011.1169
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1726	3.7821	1.4116	0.0105	0.3221	0.0167	0.3388	0.0872	0.0160	0.1031		1,117.408 1	1,117.408 1	0.0658		1,119.052 5

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.11 SCC West Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6991	0.0000	2.6991	0.4087	0.0000	0.4087			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	2.6991	1.7949	4.4940	0.4087	1.6697	2.0783	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1079	3.7344	0.9456	9.4300e-003	0.2080	0.0159	0.2238	0.0569	0.0152	0.0721		1,009.558 1	1,009.558 1	0.0624		1,011.116 9
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1726	3.7821	1.4116	0.0105	0.3221	0.0167	0.3388	0.0872	0.0160	0.1031		1,117.408 1	1,117.408 1	0.0658		1,119.052 5

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.120 8	2,172.120 8	0.1451		2,175.748 1
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.040 3	1,553.040 3	0.0493		1,554.272 7
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.161 1	3,725.161 1	0.1944		3,730.020 8

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.120 8	2,172.120 8	0.1451		2,175.748 1
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.040 3	1,553.040 3	0.0493		1,554.272 7
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.161 1	3,725.161 1	0.1944		3,730.020 8

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3337	9.4120	2.8517	0.0204	0.5055	0.0497	0.5552	0.1455	0.0475	0.1930		2,158.063 3	2,158.063 3	0.1358		2,161.458 6
Worker	0.8570	0.6107	6.0387	0.0151	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,505.279 2	1,505.279 2	0.0433		1,506.361 2
Total	1.1907	10.0226	8.8903	0.0355	2.1486	0.0611	2.2097	0.5813	0.0581	0.6394		3,663.342 5	3,663.342 5	0.1791		3,667.819 8

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3337	9.4120	2.8517	0.0204	0.5055	0.0497	0.5552	0.1455	0.0475	0.1930		2,158.063 3	2,158.063 3	0.1358		2,161.458 6
Worker	0.8570	0.6107	6.0387	0.0151	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,505.279 2	1,505.279 2	0.0433		1,506.361 2
Total	1.1907	10.0226	8.8903	0.0355	2.1486	0.0611	2.2097	0.5813	0.0581	0.6394		3,663.342 5	3,663.342 5	0.1791		3,667.819 8

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.13 SCC West Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	209.2251	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

3.13 SCC West Expansion: Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	209.2251	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

4.0 Operational Detail - Mobile

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.7011	20.7921	51.9226	0.0977	7.6034	0.1208	7.7242	2.0334	0.1135	2.1469		9,873.3628	9,873.3628	0.6942		9,890.7166
Unmitigated	5.7011	20.7921	51.9226	0.0977	7.6034	0.1208	7.7242	2.0334	0.1135	2.1469		9,873.3628	9,873.3628	0.6942		9,890.7166

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	1,380.25	1,380.25	1380.25	1,034,343	1,034,343
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	2,859.50	2,866.50	2082.50	2,444,179	2,444,179
Total	4,239.75	4,246.75	3,462.75	3,478,521	3,478,521

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	5.32	2.66	3.46	0.00	81.00	19.00	66	28	6
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hotel	5.77	2.89	3.75	19.40	61.60	19.00	58	38	4

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Enclosed Parking with Elevator	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Hotel	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
NaturalGas Unmitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40862.7	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40.8627	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

6.0 Area Detail

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Unmitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Sacramento Convention Center and Hotel (AQMP) - Sacramento County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8883	14,117.8883	0.2706		14,124.6531

11.0 Vegetation

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

Sacramento Convention Center and Hotel (Defaults)
Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	65.00	1000sqft	0.00	65,000.00	0
Arena	63.93	1000sqft	6.52	63,930.00	0
Hotel	350.00	Room	0.56	385,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

Project Characteristics -

Land Use - "Arena" land-use used as a surrogate for Convention Center land-use.

Construction Phase - Construction schedule based on project-specific estimates. For total days of grading and paving (hotel), defaults for 10 acre site used (450ksf)

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - Total acres graded equal to site footprint.

Architectural Coating -

Vehicle Trips - Project-specific traffic information.

Energy Use -

Stationary Sources - Process Boilers -

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	306.00
tblConstructionPhase	NumDays	230.00	280.00
tblConstructionPhase	NumDays	230.00	174.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	100.00
tblFleetMix	FleetMixLandUseSubType	Enclosed Parking with Elevator	Arena
tblFleetMix	FleetMixLandUseSubType	Arena	Enclosed Parking with Elevator
tblGrading	AcresOfGrading	7.00	0.56
tblGrading	AcresOfGrading	0.00	6.52
tblGrading	MaterialExported	0.00	21,800.00
tblLandUse	BuildingSpaceSquareFeet	508,200.00	385,000.00
tblLandUse	LandUseSquareFeet	508,200.00	385,000.00
tblLandUse	LotAcreage	1.49	0.00
tblLandUse	LotAcreage	20.55	6.52
tblLandUse	LotAcreage	11.67	0.56
tblProjectCharacteristics	OperationalYear	2018	2020
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	10.71	21.59
tblVehicleTrips	SU_TR	10.71	21.59
tblVehicleTrips	WD_TR	10.71	21.59

2.0 Emissions Summary

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	1.1917	9.2617	6.3746	0.0144	1.3387	0.4272	1.7659	0.6234	0.3988	1.0222	0.0000	1,316.103 2	1,316.103 2	0.2052	0.0000	1,321.233 7
2019	4.3370	3.9615	3.3506	7.6300e-003	0.2926	0.1791	0.4717	0.0727	0.1692	0.2419	0.0000	691.1861	691.1861	0.0920	0.0000	693.4856
2020	2.4925	2.7270	2.4060	5.9500e-003	0.1975	0.1108	0.3084	0.0536	0.1044	0.1580	0.0000	537.2023	537.2023	0.0673	0.0000	538.8848
Maximum	4.3370	9.2617	6.3746	0.0144	1.3387	0.4272	1.7659	0.6234	0.3988	1.0222	0.0000	1,316.103 2	1,316.103 2	0.2052	0.0000	1,321.233 7

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	1.1917	9.2617	6.3746	0.0144	1.3387	0.4272	1.7659	0.6234	0.3988	1.0222	0.0000	1,316.102 5	1,316.102 5	0.2052	0.0000	1,321.233 0
2019	4.3370	3.9615	3.3506	7.6300e-003	0.2926	0.1791	0.4717	0.0727	0.1692	0.2419	0.0000	691.1857	691.1857	0.0920	0.0000	693.4852
2020	2.4925	2.7270	2.4060	5.9500e-003	0.1975	0.1108	0.3084	0.0536	0.1044	0.1580	0.0000	537.2020	537.2020	0.0673	0.0000	538.8845
Maximum	4.3370	9.2617	6.3746	0.0144	1.3387	0.4272	1.7659	0.6234	0.3988	1.0222	0.0000	1,316.102 5	1,316.102 5	0.2052	0.0000	1,321.233 0

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-17-2018	4-16-2018	1.9266	1.9266
2	4-17-2018	7-16-2018	1.1674	1.1674
4	10-17-2018	1-16-2019	0.1929	0.1929
5	1-17-2019	4-16-2019	1.2080	1.2080
6	4-17-2019	7-16-2019	1.0782	1.0782
7	7-17-2019	10-16-2019	1.2624	1.2624
8	10-17-2019	1-16-2020	1.1571	1.1571
9	1-17-2020	4-16-2020	1.0555	1.0555
10	4-17-2020	7-16-2020	1.0488	1.0488
11	7-17-2020	9-30-2020	2.6641	2.6641
		Highest	2.6641	2.6641

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Energy	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	2,337.1227	2,337.1227	0.0873	0.0313	2,348.6200
Mobile	1.2073	4.5621	11.5558	0.0292	2.3026	0.0328	2.3354	0.6176	0.0308	0.6484	0.0000	2,684.8752	2,684.8752	0.1522	0.0000	2,688.6790
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3741	2,337.3741	0.0448	0.0000	2,338.4941
Waste						0.0000	0.0000		0.0000	0.0000	39.2564	0.0000	39.2564	2.3200	0.0000	97.2561
Water						0.0000	0.0000		0.0000	0.0000	12.8846	51.1580	64.0425	0.0469	0.0285	73.7189
Total	3.3852	5.6467	14.3748	0.0472	2.3026	0.2601	2.5627	0.6176	0.2581	0.8757	52.1410	7,410.5419	7,462.6828	2.6511	0.0598	7,546.7808

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Energy	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	2,337.1227	2,337.1227	0.0873	0.0313	2,348.6200
Mobile	1.2073	4.5621	11.5558	0.0292	2.3026	0.0328	2.3354	0.6176	0.0308	0.6484	0.0000	2,684.8752	2,684.8752	0.1522	0.0000	2,688.6790
Stationary	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.3741	2,337.3741	0.0448	0.0000	2,338.4941
Waste						0.0000	0.0000		0.0000	0.0000	39.2564	0.0000	39.2564	2.3200	0.0000	97.2561
Water						0.0000	0.0000		0.0000	0.0000	12.8846	51.1580	64.0425	0.0469	0.0285	73.7189
Total	3.3852	5.6467	14.3748	0.0472	2.3026	0.2601	2.5627	0.6176	0.2581	0.8757	52.1410	7,410.5419	7,462.6828	2.6511	0.0598	7,546.7808

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Hotel: Demolition	Demolition	1/17/2018	1/30/2018	5	10	
2	SCC Early Utility Work and Site Preparation	Site Preparation	1/17/2018	6/5/2018	5	100	
3	Hotel: Excavation	Grading	1/31/2018	2/19/2018	5	14	
4	Hotel: Construction	Building Construction	2/20/2018	10/19/2018	5	174	
5	SCC East Expansion: Demolition	Demolition	5/30/2018	6/12/2018	5	10	
6	SCC East Expansion: Construction	Building Construction	6/13/2018	4/30/2019	5	230	
7	Hotel: Paving	Paving	10/20/2018	11/16/2018	5	20	
8	Hotel: Interior and Exterior Finish Work	Architectural Coating	11/17/2018	1/20/2020	5	306	
9	SCC East Expansion: Architectural Coating	Architectural Coating	4/1/2019	4/26/2019	5	20	
10	SCC West Expansion: Demolition	Demolition	6/26/2019	8/20/2019	5	40	
11	SCC West Expansion: Building Construction	Building Construction	8/21/2019	9/15/2020	5	280	
12	SCC West Expansion: Architectural Coating	Architectural Coating	8/17/2020	9/11/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,395; Non-Residential Outdoor: 224,465; Striped Parking Area: 3,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hotel: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Demolition	Excavators	3	8.00	158	0.38
Hotel: Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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SCC Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Hotel: Excavation	Excavators	1	8.00	158	0.38
Hotel: Excavation	Graders	1	8.00	187	0.41
Hotel: Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Hotel: Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel: Construction	Cranes	1	7.00	231	0.29
Hotel: Construction	Forklifts	3	8.00	89	0.20
Hotel: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Construction	Welders	1	8.00	46	0.45
SCC East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC East Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC East Expansion: Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Construction	Forklifts	3	8.00	89	0.20
SCC East Expansion: Construction	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Construction	Welders	1	8.00	46	0.45
Hotel: Paving	Pavers	2	8.00	130	0.42
Hotel: Paving	Paving Equipment	2	8.00	132	0.36
Hotel: Paving	Rollers	2	8.00	80	0.38
Hotel: Interior and Exterior Finish Work	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Demolition	Excavators	3	8.00	158	0.38

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SCC West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC West Expansion: Building Construction	Cranes	1	7.00	231	0.29
SCC West Expansion: Building Construction	Forklifts	3	8.00	89	0.20
SCC West Expansion: Building Construction	Generator Sets	1	8.00	84	0.74
SCC West Expansion: Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC West Expansion: Building Construction	Welders	1	8.00	46	0.45
SCC West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Hotel: Demolition	6	15.00	0.00	88.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Excavation	6	15.00	0.00	2,725.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Interior and Exterior Finish Work	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Building Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.2 Hotel: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8700e-003	0.0000	9.8700e-003	1.4900e-003	0.0000	1.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	9.8700e-003	9.6900e-003	0.0196	1.4900e-003	9.0200e-003	0.0105	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.2000e-004	0.0146	3.6800e-003	4.0000e-005	7.4000e-004	6.0000e-005	8.1000e-004	2.0000e-004	6.0000e-005	2.6000e-004	0.0000	3.4397	3.4397	2.1000e-004	0.0000	3.4449
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	7.5000e-004	0.0148	6.2500e-003	5.0000e-005	1.2900e-003	6.0000e-005	1.3700e-003	3.5000e-004	6.0000e-005	4.1000e-004	0.0000	3.9609	3.9609	2.3000e-004	0.0000	3.9665

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.2 Hotel: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8700e-003	0.0000	9.8700e-003	1.4900e-003	0.0000	1.4900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	9.8700e-003	9.6900e-003	0.0196	1.4900e-003	9.0200e-003	0.0105	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.2000e-004	0.0146	3.6800e-003	4.0000e-005	7.4000e-004	6.0000e-005	8.1000e-004	2.0000e-004	6.0000e-005	2.6000e-004	0.0000	3.4397	3.4397	2.1000e-004	0.0000	3.4449
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	7.5000e-004	0.0148	6.2500e-003	5.0000e-005	1.2900e-003	6.0000e-005	1.3700e-003	3.5000e-004	6.0000e-005	4.1000e-004	0.0000	3.9609	3.9609	2.3000e-004	0.0000	3.9665

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.3 SCC Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9068	0.0000	0.9068	0.4969	0.0000	0.4969	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2281	2.4099	1.1238	1.9000e-003		0.1289	0.1289		0.1185	0.1185	0.0000	173.7995	173.7995	0.0541	0.0000	175.1522
Total	0.2281	2.4099	1.1238	1.9000e-003	0.9068	0.1289	1.0356	0.4969	0.1185	0.6155	0.0000	173.7995	173.7995	0.0541	0.0000	175.1522

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0100e-003	2.9100e-003	0.0309	7.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	6.2549	6.2549	2.1000e-004	0.0000	6.2602
Total	4.0100e-003	2.9100e-003	0.0309	7.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	6.2549	6.2549	2.1000e-004	0.0000	6.2602

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.3 SCC Early Utility Work and Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9068	0.0000	0.9068	0.4969	0.0000	0.4969	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2281	2.4099	1.1238	1.9000e-003		0.1289	0.1289		0.1185	0.1185	0.0000	173.7993	173.7993	0.0541	0.0000	175.1520
Total	0.2281	2.4099	1.1238	1.9000e-003	0.9068	0.1289	1.0356	0.4969	0.1185	0.6155	0.0000	173.7993	173.7993	0.0541	0.0000	175.1520

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0100e-003	2.9100e-003	0.0309	7.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	6.2549	6.2549	2.1000e-004	0.0000	6.2602
Total	4.0100e-003	2.9100e-003	0.0309	7.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	5.0000e-005	1.8000e-003	0.0000	6.2549	6.2549	2.1000e-004	0.0000	6.2602

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.4 Hotel: Excavation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0447	0.0000	0.0447	0.0236	0.0000	0.0236	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2147	0.1160	2.1000e-004		0.0109	0.0109		9.9900e-003	9.9900e-003	0.0000	18.9748	18.9748	5.9100e-003	0.0000	19.1225
Total	0.0194	0.2147	0.1160	2.1000e-004	0.0447	0.0109	0.0556	0.0236	9.9900e-003	0.0335	0.0000	18.9748	18.9748	5.9100e-003	0.0000	19.1225

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0131	0.4510	0.1141	1.1000e-003	0.0230	1.9700e-003	0.0250	6.3200e-003	1.8900e-003	8.2000e-003	0.0000	106.5134	106.5134	6.3900e-003	0.0000	106.6731
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.4000e-004	3.6000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.8000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	0.7297	0.7297	2.0000e-005	0.0000	0.7304
Total	0.0136	0.4513	0.1177	1.1100e-003	0.0238	1.9800e-003	0.0258	6.5300e-003	1.9000e-003	8.4100e-003	0.0000	107.2431	107.2431	6.4100e-003	0.0000	107.4034

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.4 Hotel: Excavation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0447	0.0000	0.0447	0.0236	0.0000	0.0236	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2147	0.1160	2.1000e-004		0.0109	0.0109		9.9900e-003	9.9900e-003	0.0000	18.9748	18.9748	5.9100e-003	0.0000	19.1225
Total	0.0194	0.2147	0.1160	2.1000e-004	0.0447	0.0109	0.0556	0.0236	9.9900e-003	0.0335	0.0000	18.9748	18.9748	5.9100e-003	0.0000	19.1225

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0131	0.4510	0.1141	1.1000e-003	0.0230	1.9700e-003	0.0250	6.3200e-003	1.8900e-003	8.2000e-003	0.0000	106.5134	106.5134	6.3900e-003	0.0000	106.6731
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.4000e-004	3.6000e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.8000e-004	2.1000e-004	1.0000e-005	2.1000e-004	0.0000	0.7297	0.7297	2.0000e-005	0.0000	0.7304
Total	0.0136	0.4513	0.1177	1.1100e-003	0.0238	1.9800e-003	0.0258	6.5300e-003	1.9000e-003	8.4100e-003	0.0000	107.2431	107.2431	6.4100e-003	0.0000	107.4034

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.5 Hotel: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2331	2.0349	1.5295	2.3400e-003		0.1305	0.1305		0.1227	0.1227	0.0000	206.8575	206.8575	0.0507	0.0000	208.1245
Total	0.2331	2.0349	1.5295	2.3400e-003		0.1305	0.1305		0.1227	0.1227	0.0000	206.8575	206.8575	0.0507	0.0000	208.1245

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0397	0.9487	0.3142	1.8300e-003	0.0427	7.4700e-003	0.0502	0.0124	7.1500e-003	0.0195	0.0000	175.2210	175.2210	0.0113	0.0000	175.5040
Worker	0.0837	0.0607	0.6441	1.4500e-003	0.1380	1.0500e-003	0.1391	0.0367	9.7000e-004	0.0377	0.0000	130.6014	130.6014	4.4500e-003	0.0000	130.7127
Total	0.1234	1.0094	0.9583	3.2800e-003	0.1808	8.5200e-003	0.1893	0.0491	8.1200e-003	0.0572	0.0000	305.8224	305.8224	0.0158	0.0000	306.2166

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.5 Hotel: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2331	2.0349	1.5295	2.3400e-003		0.1305	0.1305		0.1227	0.1227	0.0000	206.8573	206.8573	0.0507	0.0000	208.1242
Total	0.2331	2.0349	1.5295	2.3400e-003		0.1305	0.1305		0.1227	0.1227	0.0000	206.8573	206.8573	0.0507	0.0000	208.1242

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0397	0.9487	0.3142	1.8300e-003	0.0427	7.4700e-003	0.0502	0.0124	7.1500e-003	0.0195	0.0000	175.2210	175.2210	0.0113	0.0000	175.5040
Worker	0.0837	0.0607	0.6441	1.4500e-003	0.1380	1.0500e-003	0.1391	0.0367	9.7000e-004	0.0377	0.0000	130.6014	130.6014	4.4500e-003	0.0000	130.7127
Total	0.1234	1.0094	0.9583	3.2800e-003	0.1808	8.5200e-003	0.1893	0.0491	8.1200e-003	0.0572	0.0000	305.8224	305.8224	0.0158	0.0000	306.2166

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.6 SCC East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1400e-003	0.0000	8.1400e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	8.1400e-003	9.6900e-003	0.0178	1.2300e-003	9.0200e-003	0.0103	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0119	3.0100e-003	3.0000e-005	6.1000e-004	5.0000e-005	6.6000e-004	1.7000e-004	5.0000e-005	2.2000e-004	0.0000	2.8143	2.8143	1.7000e-004	0.0000	2.8185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	6.8000e-004	0.0122	5.5800e-003	4.0000e-005	1.1600e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	3.3355	3.3355	1.9000e-004	0.0000	3.3402

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.6 SCC East Expansion: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.1400e-003	0.0000	8.1400e-003	1.2300e-003	0.0000	1.2300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0186	0.1916	0.1115	1.9000e-004		9.6900e-003	9.6900e-003		9.0200e-003	9.0200e-003	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830
Total	0.0186	0.1916	0.1115	1.9000e-004	8.1400e-003	9.6900e-003	0.0178	1.2300e-003	9.0200e-003	0.0103	0.0000	17.5620	17.5620	4.8400e-003	0.0000	17.6830

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0119	3.0100e-003	3.0000e-005	6.1000e-004	5.0000e-005	6.6000e-004	1.7000e-004	5.0000e-005	2.2000e-004	0.0000	2.8143	2.8143	1.7000e-004	0.0000	2.8185
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.4000e-004	2.5700e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5212	0.5212	2.0000e-005	0.0000	0.5217
Total	6.8000e-004	0.0122	5.5800e-003	4.0000e-005	1.1600e-003	5.0000e-005	1.2200e-003	3.2000e-004	5.0000e-005	3.7000e-004	0.0000	3.3355	3.3355	1.9000e-004	0.0000	3.3402

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.7 SCC East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1929	1.6841	1.2658	1.9400e-003		0.1080	0.1080		0.1015	0.1015	0.0000	171.1924	171.1924	0.0419	0.0000	172.2410
Total	0.1929	1.6841	1.2658	1.9400e-003		0.1080	0.1080		0.1015	0.1015	0.0000	171.1924	171.1924	0.0419	0.0000	172.2410

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0329	0.7851	0.2600	1.5100e-003	0.0354	6.1900e-003	0.0416	0.0102	5.9200e-003	0.0161	0.0000	145.0105	145.0105	9.3700e-003	0.0000	145.2447
Worker	0.0693	0.0502	0.5331	1.2000e-003	0.1142	8.7000e-004	0.1151	0.0304	8.0000e-004	0.0312	0.0000	108.0839	108.0839	3.6800e-003	0.0000	108.1760
Total	0.1021	0.8354	0.7931	2.7100e-003	0.1496	7.0600e-003	0.1567	0.0406	6.7200e-003	0.0473	0.0000	253.0944	253.0944	0.0131	0.0000	253.4207

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.7 SCC East Expansion: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1929	1.6841	1.2658	1.9400e-003		0.1080	0.1080		0.1015	0.1015	0.0000	171.1922	171.1922	0.0419	0.0000	172.2408
Total	0.1929	1.6841	1.2658	1.9400e-003		0.1080	0.1080		0.1015	0.1015	0.0000	171.1922	171.1922	0.0419	0.0000	172.2408

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0329	0.7851	0.2600	1.5100e-003	0.0354	6.1900e-003	0.0416	0.0102	5.9200e-003	0.0161	0.0000	145.0105	145.0105	9.3700e-003	0.0000	145.2447
Worker	0.0693	0.0502	0.5331	1.2000e-003	0.1142	8.7000e-004	0.1151	0.0304	8.0000e-004	0.0312	0.0000	108.0839	108.0839	3.6800e-003	0.0000	108.1760
Total	0.1021	0.8354	0.7931	2.7100e-003	0.1496	7.0600e-003	0.1567	0.0406	6.7200e-003	0.0473	0.0000	253.0944	253.0944	0.0131	0.0000	253.4207

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.7 SCC East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1015	0.9064	0.7380	1.1600e-003		0.0555	0.0555		0.0522	0.0522	0.0000	101.0948	101.0948	0.0246	0.0000	101.7105
Total	0.1015	0.9064	0.7380	1.1600e-003		0.0555	0.0555		0.0522	0.0522	0.0000	101.0948	101.0948	0.0246	0.0000	101.7105

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0173	0.4431	0.1354	9.0000e-004	0.0211	3.1600e-003	0.0243	6.1000e-003	3.0200e-003	9.1300e-003	0.0000	85.9983	85.9983	5.3900e-003	0.0000	86.1331
Worker	0.0376	0.0264	0.2850	6.9000e-004	0.0682	5.0000e-004	0.0687	0.0181	4.6000e-004	0.0186	0.0000	62.3572	62.3572	1.9400e-003	0.0000	62.4057
Total	0.0549	0.4695	0.4204	1.5900e-003	0.0893	3.6600e-003	0.0930	0.0242	3.4800e-003	0.0277	0.0000	148.3555	148.3555	7.3300e-003	0.0000	148.5388

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.7 SCC East Expansion: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1015	0.9064	0.7380	1.1600e-003		0.0555	0.0555		0.0522	0.0522	0.0000	101.0947	101.0947	0.0246	0.0000	101.7104
Total	0.1015	0.9064	0.7380	1.1600e-003		0.0555	0.0555		0.0522	0.0522	0.0000	101.0947	101.0947	0.0246	0.0000	101.7104

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0173	0.4431	0.1354	9.0000e-004	0.0211	3.1600e-003	0.0243	6.1000e-003	3.0200e-003	9.1300e-003	0.0000	85.9983	85.9983	5.3900e-003	0.0000	86.1331
Worker	0.0376	0.0264	0.2850	6.9000e-004	0.0682	5.0000e-004	0.0687	0.0181	4.6000e-004	0.0186	0.0000	62.3572	62.3572	1.9400e-003	0.0000	62.4057
Total	0.0549	0.4695	0.4204	1.5900e-003	0.0893	3.6600e-003	0.0930	0.0242	3.4800e-003	0.0277	0.0000	148.3555	148.3555	7.3300e-003	0.0000	148.5388

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.8 Hotel: Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	4.8000e-004	5.1400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0425	1.0425	4.0000e-005	0.0000	1.0434
Total	6.7000e-004	4.8000e-004	5.1400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0425	1.0425	4.0000e-005	0.0000	1.0434

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.8 Hotel: Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0164	0.1752	0.1480	2.3000e-004		9.5600e-003	9.5600e-003		8.8000e-003	8.8000e-003	0.0000	20.8116	20.8116	6.4800e-003	0.0000	20.9736

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.7000e-004	4.8000e-004	5.1400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0425	1.0425	4.0000e-005	0.0000	1.0434
Total	6.7000e-004	4.8000e-004	5.1400e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	1.0425	1.0425	4.0000e-005	0.0000	1.0434

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.9 Hotel: Interior and Exterior Finish Work - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6300e-003	0.0311	0.0287	5.0000e-005		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	3.9576	3.9576	3.8000e-004	0.0000	3.9670
Total	0.2163	0.0311	0.0287	5.0000e-005		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	3.9576	3.9576	3.8000e-004	0.0000	3.9670

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9700e-003	2.1500e-003	0.0229	5.0000e-005	4.9000e-003	4.0000e-005	4.9300e-003	1.3000e-003	3.0000e-005	1.3400e-003	0.0000	4.6321	4.6321	1.6000e-004	0.0000	4.6360
Total	2.9700e-003	2.1500e-003	0.0229	5.0000e-005	4.9000e-003	4.0000e-005	4.9300e-003	1.3000e-003	3.0000e-005	1.3400e-003	0.0000	4.6321	4.6321	1.6000e-004	0.0000	4.6360

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.9 Hotel: Interior and Exterior Finish Work - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6300e-003	0.0311	0.0287	5.0000e-005		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	3.9576	3.9576	3.8000e-004	0.0000	3.9670
Total	0.2163	0.0311	0.0287	5.0000e-005		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	3.9576	3.9576	3.8000e-004	0.0000	3.9670

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9700e-003	2.1500e-003	0.0229	5.0000e-005	4.9000e-003	4.0000e-005	4.9300e-003	1.3000e-003	3.0000e-005	1.3400e-003	0.0000	4.6321	4.6321	1.6000e-004	0.0000	4.6360
Total	2.9700e-003	2.1500e-003	0.0229	5.0000e-005	4.9000e-003	4.0000e-005	4.9300e-003	1.3000e-003	3.0000e-005	1.3400e-003	0.0000	4.6321	4.6321	1.6000e-004	0.0000	4.6360

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.9 Hotel: Interior and Exterior Finish Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7825					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3200	33.3200	2.8100e-003	0.0000	33.3903
Total	1.8173	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3200	33.3200	2.8100e-003	0.0000	33.3903

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0227	0.0159	0.1722	4.2000e-004	0.0412	3.0000e-004	0.0415	0.0110	2.8000e-004	0.0112	0.0000	37.6741	37.6741	1.1700e-003	0.0000	37.7034
Total	0.0227	0.0159	0.1722	4.2000e-004	0.0412	3.0000e-004	0.0415	0.0110	2.8000e-004	0.0112	0.0000	37.6741	37.6741	1.1700e-003	0.0000	37.7034

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3.9 Hotel: Interior and Exterior Finish Work - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7825					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3199	33.3199	2.8100e-003	0.0000	33.3903
Total	1.8173	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168	0.0000	33.3199	33.3199	2.8100e-003	0.0000	33.3903

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0227	0.0159	0.1722	4.2000e-004	0.0412	3.0000e-004	0.0415	0.0110	2.8000e-004	0.0112	0.0000	37.6741	37.6741	1.1700e-003	0.0000	37.7034
Total	0.0227	0.0159	0.1722	4.2000e-004	0.0412	3.0000e-004	0.0415	0.0110	2.8000e-004	0.0112	0.0000	37.6741	37.6741	1.1700e-003	0.0000	37.7034

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.9 Hotel: Interior and Exterior Finish Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-003	0.0118	0.0128	2.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	1.7873	1.7873	1.4000e-004	0.0000	1.7907
Total	0.0973	0.0118	0.0128	2.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	1.7873	1.7873	1.4000e-004	0.0000	1.7907

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	7.6000e-004	8.3300e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.9587	1.9587	6.0000e-005	0.0000	1.9601
Total	1.1200e-003	7.6000e-004	8.3300e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.9587	1.9587	6.0000e-005	0.0000	1.9601

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.9 Hotel: Interior and Exterior Finish Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0956					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-003	0.0118	0.0128	2.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	1.7873	1.7873	1.4000e-004	0.0000	1.7907
Total	0.0973	0.0118	0.0128	2.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	1.7873	1.7873	1.4000e-004	0.0000	1.7907

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	7.6000e-004	8.3300e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.9587	1.9587	6.0000e-005	0.0000	1.9601
Total	1.1200e-003	7.6000e-004	8.3300e-003	2.0000e-005	2.2100e-003	2.0000e-005	2.2300e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.9587	1.9587	6.0000e-005	0.0000	1.9601

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.10 SCC East Expansion: Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5587
Total	2.0925	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5587

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7400e-003	1.2200e-003	0.0132	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.8869	2.8869	9.0000e-005	0.0000	2.8892
Total	1.7400e-003	1.2200e-003	0.0132	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.8869	2.8869	9.0000e-005	0.0000	2.8892

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.10 SCC East Expansion: Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5586
Total	2.0925	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5586

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7400e-003	1.2200e-003	0.0132	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.8869	2.8869	9.0000e-005	0.0000	2.8892
Total	1.7400e-003	1.2200e-003	0.0132	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.8869	2.8869	9.0000e-005	0.0000	2.8892

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.11 SCC West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0540	0.0000	0.0540	8.1700e-003	0.0000	8.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0703	0.7157	0.4412	7.8000e-004		0.0359	0.0359		0.0334	0.0334	0.0000	69.2527	69.2527	0.0193	0.0000	69.7343
Total	0.0703	0.7157	0.4412	7.8000e-004	0.0540	0.0359	0.0899	8.1700e-003	0.0334	0.0416	0.0000	69.2527	69.2527	0.0193	0.0000	69.7343

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0743	0.0180	1.9000e-004	4.0300e-003	3.1000e-004	4.3500e-003	1.1100e-003	3.0000e-004	1.4100e-003	0.0000	18.4792	18.4792	1.1000e-003	0.0000	18.5067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	8.5000e-004	9.2100e-003	2.0000e-005	2.2000e-003	2.0000e-005	2.2200e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	2.0141	2.0141	6.0000e-005	0.0000	2.0157
Total	3.3200e-003	0.0751	0.0272	2.1000e-004	6.2300e-003	3.3000e-004	6.5700e-003	1.7000e-003	3.1000e-004	2.0100e-003	0.0000	20.4933	20.4933	1.1600e-003	0.0000	20.5224

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.11 SCC West Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0540	0.0000	0.0540	8.1700e-003	0.0000	8.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0703	0.7157	0.4412	7.8000e-004		0.0359	0.0359		0.0334	0.0334	0.0000	69.2526	69.2526	0.0193	0.0000	69.7342
Total	0.0703	0.7157	0.4412	7.8000e-004	0.0540	0.0359	0.0899	8.1700e-003	0.0334	0.0416	0.0000	69.2526	69.2526	0.0193	0.0000	69.7342

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.1100e-003	0.0743	0.0180	1.9000e-004	4.0300e-003	3.1000e-004	4.3500e-003	1.1100e-003	3.0000e-004	1.4100e-003	0.0000	18.4792	18.4792	1.1000e-003	0.0000	18.5067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2100e-003	8.5000e-004	9.2100e-003	2.0000e-005	2.2000e-003	2.0000e-005	2.2200e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	2.0141	2.0141	6.0000e-005	0.0000	2.0157
Total	3.3200e-003	0.0751	0.0272	2.1000e-004	6.2300e-003	3.3000e-004	6.5700e-003	1.7000e-003	3.1000e-004	2.0100e-003	0.0000	20.4933	20.4933	1.1600e-003	0.0000	20.5224

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.12 SCC West Expansion: Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1122	1.0012	0.8153	1.2800e-003		0.0613	0.0613		0.0576	0.0576	0.0000	111.6745	111.6745	0.0272	0.0000	112.3546
Total	0.1122	1.0012	0.8153	1.2800e-003		0.0613	0.0613		0.0576	0.0576	0.0000	111.6745	111.6745	0.0272	0.0000	112.3546

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0191	0.4895	0.1496	9.9000e-004	0.0233	3.4900e-003	0.0268	6.7400e-003	3.3400e-003	0.0101	0.0000	94.9981	94.9981	5.9600e-003	0.0000	95.1470
Worker	0.0415	0.0292	0.3148	7.6000e-004	0.0754	5.6000e-004	0.0759	0.0200	5.1000e-004	0.0206	0.0000	68.8830	68.8830	2.1400e-003	0.0000	68.9365
Total	0.0606	0.5186	0.4644	1.7500e-003	0.0987	4.0500e-003	0.1027	0.0268	3.8500e-003	0.0306	0.0000	163.8811	163.8811	8.1000e-003	0.0000	164.0835

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.12 SCC West Expansion: Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1122	1.0012	0.8153	1.2800e-003		0.0613	0.0613		0.0576	0.0576	0.0000	111.6744	111.6744	0.0272	0.0000	112.3545
Total	0.1122	1.0012	0.8153	1.2800e-003		0.0613	0.0613		0.0576	0.0576	0.0000	111.6744	111.6744	0.0272	0.0000	112.3545

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0191	0.4895	0.1496	9.9000e-004	0.0233	3.4900e-003	0.0268	6.7400e-003	3.3400e-003	0.0101	0.0000	94.9981	94.9981	5.9600e-003	0.0000	95.1470
Worker	0.0415	0.0292	0.3148	7.6000e-004	0.0754	5.6000e-004	0.0759	0.0200	5.1000e-004	0.0206	0.0000	68.8830	68.8830	2.1400e-003	0.0000	68.9365
Total	0.0606	0.5186	0.4644	1.7500e-003	0.0987	4.0500e-003	0.1027	0.0268	3.8500e-003	0.0306	0.0000	163.8811	163.8811	8.1000e-003	0.0000	164.0835

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.12 SCC West Expansion: Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1961	1.7747	1.5585	2.4900e-003		0.1033	0.1033		0.0972	0.0972	0.0000	214.2392	214.2392	0.0523	0.0000	215.5459
Total	0.1961	1.7747	1.5585	2.4900e-003		0.1033	0.1033		0.0972	0.0972	0.0000	214.2392	214.2392	0.0523	0.0000	215.5459

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0297	0.8714	0.2430	1.9100e-003	0.0454	4.5100e-003	0.0499	0.0131	4.3100e-003	0.0175	0.0000	183.8486	183.8486	0.0109	0.0000	184.1208
Worker	0.0744	0.0504	0.5531	1.4400e-003	0.1467	1.0600e-003	0.1478	0.0390	9.7000e-004	0.0400	0.0000	130.0171	130.0171	3.6800e-003	0.0000	130.1090
Total	0.1041	0.9218	0.7961	3.3500e-003	0.1922	5.5700e-003	0.1977	0.0522	5.2800e-003	0.0575	0.0000	313.8657	313.8657	0.0146	0.0000	314.2297

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.12 SCC West Expansion: Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1961	1.7747	1.5585	2.4900e-003		0.1033	0.1033		0.0972	0.0972	0.0000	214.2390	214.2390	0.0523	0.0000	215.5457
Total	0.1961	1.7747	1.5585	2.4900e-003		0.1033	0.1033		0.0972	0.0972	0.0000	214.2390	214.2390	0.0523	0.0000	215.5457

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0297	0.8714	0.2430	1.9100e-003	0.0454	4.5100e-003	0.0499	0.0131	4.3100e-003	0.0175	0.0000	183.8486	183.8486	0.0109	0.0000	184.1208
Worker	0.0744	0.0504	0.5531	1.4400e-003	0.1467	1.0600e-003	0.1478	0.0390	9.7000e-004	0.0400	0.0000	130.0171	130.0171	3.6800e-003	0.0000	130.1090
Total	0.1041	0.9218	0.7961	3.3500e-003	0.1922	5.5700e-003	0.1977	0.0522	5.2800e-003	0.0575	0.0000	313.8657	313.8657	0.0146	0.0000	314.2297

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.13 SCC West Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	2.0923	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-003	1.0900e-003	0.0119	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7982	2.7982	8.0000e-005	0.0000	2.8001
Total	1.6000e-003	1.0900e-003	0.0119	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7982	2.7982	8.0000e-005	0.0000	2.8001

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

3.13 SCC West Expansion: Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.0898					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	2.0923	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-003	1.0900e-003	0.0119	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7982	2.7982	8.0000e-005	0.0000	2.8001
Total	1.6000e-003	1.0900e-003	0.0119	3.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.7982	2.7982	8.0000e-005	0.0000	2.8001

4.0 Operational Detail - Mobile

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2073	4.5621	11.5558	0.0292	2.3026	0.0328	2.3354	0.6176	0.0308	0.6484	0.0000	2,684.875 2	2,684.875 2	0.1522	0.0000	2,688.679 0
Unmitigated	1.2073	4.5621	11.5558	0.0292	2.3026	0.0328	2.3354	0.6176	0.0308	0.6484	0.0000	2,684.875 2	2,684.875 2	0.1522	0.0000	2,688.679 0

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	1,380.25	1,380.25	1380.25	1,941,339	1,941,339
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	2,859.50	2,866.50	2082.50	4,229,582	4,229,582
Total	4,239.75	4,246.75	3,462.75	6,170,921	6,170,921

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	10.00	5.00	6.50	0.00	81.00	19.00	66	28	6
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hotel	10.00	5.00	6.50	19.40	61.60	19.00	58	38	4

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Enclosed Parking with Elevator	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Hotel	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,418.6640	1,418.6640	0.0697	0.0144	1,424.7034
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,418.6640	1,418.6640	0.0697	0.0144	1,424.7034
NaturalGas Mitigated	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166
NaturalGas Unmitigated	0.0928	0.8437	0.7087	5.0600e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.49149e+007	0.0804	0.7311	0.6141	4.3900e-003		0.0556	0.0556		0.0556	0.0556	0.0000	795.9159	795.9159	0.0153	0.0146	800.6456
Total		0.0928	0.8437	0.7087	5.0700e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	2.29637e+006	0.0124	0.1126	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.5428	122.5428	2.3500e-003	2.2500e-003	123.2710
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	1.49149e+007	0.0804	0.7311	0.6141	4.3900e-003		0.0556	0.0556		0.0556	0.0556	0.0000	795.9159	795.9159	0.0153	0.0146	800.6456
Total		0.0928	0.8437	0.7087	5.0700e-003		0.0641	0.0641		0.0641	0.0641	0.0000	918.4587	918.4587	0.0176	0.0168	923.9166

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Enclosed Parking with Elevator	438100	117.3057	5.7600e-003	1.1900e-003	117.8051
Hotel	3.86925e+006	1,036.0308	0.0509	0.0105	1,040.4413
Total		1,418.6640	0.0697	0.0144	1,424.7034

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	990915	265.3275	0.0130	2.7000e-003	266.4570
Enclosed Parking with Elevator	438100	117.3057	5.7600e-003	1.1900e-003	117.8051
Hotel	3.86925e+006	1,036.0308	0.0509	0.0105	1,040.4413
Total		1,418.6640	0.0697	0.0144	1,424.7034

6.0 Area Detail

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Unmitigated	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2090					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.8000e-004	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Total	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2090					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.8000e-004	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127
Total	1.9671	6.0000e-005	6.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0119	0.0119	3.0000e-005	0.0000	0.0127

7.0 Water Detail

7.1 Mitigation Measures Water

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	64.0425	0.0469	0.0285	73.7189
Unmitigated	64.0425	0.0469	0.0285	73.7189

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	8.87837 / 0.986486	15.9107	0.0114	6.9600e-003	18.2710
Total		64.0425	0.0469	0.0285	73.7189

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	27.5391 / 1.75782	48.1319	0.0354	0.0216	55.4479
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	8.87837 / 0.986486	15.9107	0.0114	6.9600e-003	18.2710
Total		64.0425	0.0469	0.0285	73.7189

8.0 Waste Detail

8.1 Mitigation Measures Waste

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	39.2564	2.3200	0.0000	97.2561
Unmitigated	39.2564	2.3200	0.0000	97.2561

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	191.63	38.8992	2.2989	0.0000	96.3710
Total		39.2564	2.3200	0.0000	97.2561

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	1.76	0.3573	0.0211	0.0000	0.8851
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	191.63	38.8992	2.2989	0.0000	96.3710
Total		39.2564	2.3200	0.0000	97.2561

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Annual

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Boiler - CNG (5 - 75 MMBTU)	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.374 1	2,337.374 1	0.0448	0.0000	2,338.494 1
Total	0.1181	0.2409	2.1042	0.0129		0.1632	0.1632		0.1632	0.1632	0.0000	2,337.374 1	2,337.374 1	0.0448	0.0000	2,338.494 1

11.0 Vegetation

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

Sacramento Convention Center and Hotel (Defaults)
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	65.00	1000sqft	0.00	65,000.00	0
Arena	63.93	1000sqft	6.52	63,930.00	0
Hotel	350.00	Room	0.56	385,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

Project Characteristics -

Land Use - "Arena" land-use used as a surrogate for Convention Center land-use.

Construction Phase - Construction schedule based on project-specific estimates. For total days of grading and paving (hotel), defaults for 10 acre site used (450ksf)

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - Total acres graded equal to site footprint.

Architectural Coating -

Vehicle Trips - Project-specific traffic information.

Energy Use -

Stationary Sources - Process Boilers -

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	306.00
tblConstructionPhase	NumDays	230.00	280.00
tblConstructionPhase	NumDays	230.00	174.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	100.00
tblFleetMix	FleetMixLandUseSubType	Enclosed Parking with Elevator	Arena
tblFleetMix	FleetMixLandUseSubType	Arena	Enclosed Parking with Elevator
tblGrading	AcresOfGrading	7.00	0.56
tblGrading	AcresOfGrading	0.00	6.52
tblGrading	MaterialExported	0.00	21,800.00
tblLandUse	BuildingSpaceSquareFeet	508,200.00	385,000.00
tblLandUse	LandUseSquareFeet	508,200.00	385,000.00
tblLandUse	LotAcreage	1.49	0.00
tblLandUse	LotAcreage	20.55	6.52
tblLandUse	LotAcreage	11.67	0.56
tblProjectCharacteristics	OperationalYear	2018	2020
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	10.71	21.59
tblVehicleTrips	SU_TR	10.71	21.59
tblVehicleTrips	WD_TR	10.71	21.59

2.0 Emissions Summary

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	18.4231	141.0355	76.4362	0.2284	28.1609	6.1245	32.5688	14.2957	5.6895	18.3612	0.0000	23,976.94 21	23,976.94 21	3.1499	0.0000	24,054.95 98
2019	227.3485	41.3485	34.7547	0.0788	3.3482	1.9422	5.2904	0.7549	1.8161	2.3987	0.0000	7,854.882 0	7,854.882 0	1.1600	0.0000	7,877.146 4
2020	212.7785	30.6861	29.6153	0.0715	2.4757	1.2898	3.7655	0.6681	1.2199	1.8880	0.0000	7,104.415 2	7,104.415 2	0.8290	0.0000	7,125.140 8
Maximum	227.3485	141.0355	76.4362	0.2284	28.1609	6.1245	32.5688	14.2957	5.6895	18.3612	0.0000	23,976.94 21	23,976.94 21	3.1499	0.0000	24,054.95 98

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	18.4231	141.0355	76.4362	0.2284	28.1609	6.1245	32.5688	14.2957	5.6895	18.3612	0.0000	23,976.94 21	23,976.94 21	3.1499	0.0000	24,054.95 98
2019	227.3485	41.3485	34.7547	0.0788	3.3482	1.9422	5.2904	0.7549	1.8161	2.3987	0.0000	7,854.882 0	7,854.882 0	1.1600	0.0000	7,877.146 4
2020	212.7785	30.6861	29.6153	0.0715	2.4757	1.2898	3.7655	0.6681	1.2199	1.8880	0.0000	7,104.415 2	7,104.415 2	0.8290	0.0000	7,125.140 8
Maximum	227.3485	141.0355	76.4362	0.2284	28.1609	6.1245	32.5688	14.2957	5.6895	18.3612	0.0000	23,976.94 21	23,976.94 21	3.1499	0.0000	24,054.95 98

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	8.7937	24.9188	70.5228	0.1788	13.4788	0.1842	13.6630	3.6047	0.1730	3.7778		18,084.0334	18,084.0334	0.9617		18,108.0750
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493
Total	20.7292	30.8623	85.9849	0.2772	13.4788	1.4298	14.9087	3.6047	1.4187	5.0234		37,749.5701	37,749.5701	1.3389	0.1017	37,813.3499

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	8.7937	24.9188	70.5228	0.1788	13.4788	0.1842	13.6630	3.6047	0.1730	3.7778		18,084.0334	18,084.0334	0.9617		18,108.0750
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493
Total	20.7292	30.8623	85.9849	0.2772	13.4788	1.4298	14.9087	3.6047	1.4187	5.0234		37,749.5701	37,749.5701	1.3389	0.1017	37,813.3499

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Hotel: Demolition	Demolition	1/17/2018	1/30/2018	5	10	
2	SCC Early Utility Work and Site Preparation	Site Preparation	1/17/2018	6/5/2018	5	100	
3	Hotel: Excavation	Grading	1/31/2018	2/19/2018	5	14	
4	Hotel: Construction	Building Construction	2/20/2018	10/19/2018	5	174	
5	SCC East Expansion: Demolition	Demolition	5/30/2018	6/12/2018	5	10	
6	SCC East Expansion: Construction	Building Construction	6/13/2018	4/30/2019	5	230	
7	Hotel: Paving	Paving	10/20/2018	11/16/2018	5	20	
8	Hotel: Interior and Exterior Finish Work	Architectural Coating	11/17/2018	1/20/2020	5	306	
9	SCC East Expansion: Architectural Coating	Architectural Coating	4/1/2019	4/26/2019	5	20	
10	SCC West Expansion: Demolition	Demolition	6/26/2019	8/20/2019	5	40	
11	SCC West Expansion: Building Construction	Building Construction	8/21/2019	9/15/2020	5	280	
12	SCC West Expansion: Architectural Coating	Architectural Coating	8/17/2020	9/11/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,395; Non-Residential Outdoor: 224,465; Striped Parking Area: 3,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hotel: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Demolition	Excavators	3	8.00	158	0.38
Hotel: Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

SCC Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Hotel: Excavation	Excavators	1	8.00	158	0.38
Hotel: Excavation	Graders	1	8.00	187	0.41
Hotel: Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Hotel: Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel: Construction	Cranes	1	7.00	231	0.29
Hotel: Construction	Forklifts	3	8.00	89	0.20
Hotel: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Construction	Welders	1	8.00	46	0.45
SCC East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC East Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC East Expansion: Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Construction	Forklifts	3	8.00	89	0.20
SCC East Expansion: Construction	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Construction	Welders	1	8.00	46	0.45
Hotel: Paving	Pavers	2	8.00	130	0.42
Hotel: Paving	Paving Equipment	2	8.00	132	0.36
Hotel: Paving	Rollers	2	8.00	80	0.38
Hotel: Interior and Exterior Finish Work	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Demolition	Excavators	3	8.00	158	0.38

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

SCC West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC West Expansion: Building Construction	Cranes	1	7.00	231	0.29
SCC West Expansion: Building Construction	Forklifts	3	8.00	89	0.20
SCC West Expansion: Building Construction	Generator Sets	1	8.00	84	0.74
SCC West Expansion: Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC West Expansion: Building Construction	Welders	1	8.00	46	0.45
SCC West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Hotel: Demolition	6	15.00	0.00	88.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Excavation	6	15.00	0.00	2,725.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Interior and Exterior Finish Work	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Building Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.2 Hotel: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9744	1.9386	3.9130	0.2990	1.8048	2.1038		3,871.7665	3,871.7665	1.0667		3,898.4344

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0835	2.8061	0.7261	7.1400e-003	0.1532	0.0126	0.1657	0.0419	0.0120	0.0539		763.0564	763.0564	0.0447		764.1732
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1608	2.8500	1.3293	8.4200e-003	0.2673	0.0134	0.2807	0.0722	0.0128	0.0850		890.1602	890.1602	0.0490		891.3863

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.2 Hotel: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9744	1.9386	3.9130	0.2990	1.8048	2.1038	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0835	2.8061	0.7261	7.1400e-003	0.1532	0.0126	0.1657	0.0419	0.0120	0.0539		763.0564	763.0564	0.0447		764.1732
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1608	2.8500	1.3293	8.4200e-003	0.2673	0.0134	0.2807	0.0722	0.0128	0.0850		890.1602	890.1602	0.0490		891.3863

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.3 SCC Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1354	0.0000	18.1354	9.9382	0.0000	9.9382			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.1354	2.5769	20.7123	9.9382	2.3708	12.3089		3,831.6239	3,831.6239	1.1928		3,861.4448

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557
Total	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.3 SCC Early Utility Work and Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1354	0.0000	18.1354	9.9382	0.0000	9.9382			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.1354	2.5769	20.7123	9.9382	2.3708	12.3089	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557
Total	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.4 Hotel: Excavation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3865	0.0000	6.3865	3.3636	0.0000	3.3636			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.3865	1.5513	7.9379	3.3636	1.4272	4.7908		2,988.0216	2,988.0216	0.9302		3,011.2769

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8473	62.0677	16.0605	0.1579	3.3879	0.2778	3.6657	0.9274	0.2658	1.1932		16,877.6683	16,877.6683	0.9880		16,902.3694
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	1.9246	62.1116	16.6637	0.1591	3.5020	0.2787	3.7807	0.9576	0.2666	1.2242		17,004.7721	17,004.7721	0.9924		17,029.5824

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.4 Hotel: Excavation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3865	0.0000	6.3865	3.3636	0.0000	3.3636			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.3865	1.5513	7.9379	3.3636	1.4272	4.7908	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8473	62.0677	16.0605	0.1579	3.3879	0.2778	3.6657	0.9274	0.2658	1.1932		16,877.6683	16,877.6683	0.9880		16,902.3694
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	1.9246	62.1116	16.6637	0.1591	3.5020	0.2787	3.7807	0.9576	0.2666	1.2242		17,004.7721	17,004.7721	0.9924		17,029.5824

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.5 Hotel: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4512	10.6307	3.4692	0.0212	0.5056	0.0850	0.5906	0.1455	0.0813	0.2268		2,243.4571	2,243.4571	0.1391		2,246.9345
Worker	1.1132	0.6314	8.6853	0.0184	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,830.2946	1,830.2946	0.0630		1,831.8684
Total	1.5643	11.2622	12.1545	0.0396	2.1487	0.0971	2.2458	0.5814	0.0925	0.6738		4,073.7517	4,073.7517	0.2020		4,078.8029

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.5 Hotel: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4512	10.6307	3.4692	0.0212	0.5056	0.0850	0.5906	0.1455	0.0813	0.2268		2,243.457 1	2,243.457 1	0.1391		2,246.934 5
Worker	1.1132	0.6314	8.6853	0.0184	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,830.294 6	1,830.294 6	0.0630		1,831.868 4
Total	1.5643	11.2622	12.1545	0.0396	2.1487	0.0971	2.2458	0.5814	0.0925	0.6738		4,073.751 7	4,073.751 7	0.2020		4,078.802 9

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.6 SCC East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513		3,871.7665	3,871.7665	1.0667		3,898.4344

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0683	2.2959	0.5941	5.8400e-003	0.1253	0.0103	0.1356	0.0343	9.8300e-003	0.0441		624.3189	624.3189	0.0366		625.2326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1456	2.3398	1.1972	7.1200e-003	0.2394	0.0111	0.2505	0.0646	0.0106	0.0752		751.4227	751.4227	0.0409		752.4457

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.6 SCC East Expansion: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0683	2.2959	0.5941	5.8400e-003	0.1253	0.0103	0.1356	0.0343	9.8300e-003	0.0441		624.3189	624.3189	0.0366		625.2326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.1456	2.3398	1.1972	7.1200e-003	0.2394	0.0111	0.2505	0.0646	0.0106	0.0752		751.4227	751.4227	0.0409		752.4457

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.7 SCC East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4512	10.6307	3.4692	0.0212	0.5056	0.0850	0.5906	0.1455	0.0813	0.2268		2,243.4571	2,243.4571	0.1391		2,246.9345
Worker	1.1132	0.6314	8.6853	0.0184	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,830.2946	1,830.2946	0.0630		1,831.8684
Total	1.5643	11.2622	12.1545	0.0396	2.1487	0.0971	2.2458	0.5814	0.0925	0.6738		4,073.7517	4,073.7517	0.2020		4,078.8029

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.7 SCC East Expansion: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4512	10.6307	3.4692	0.0212	0.5056	0.0850	0.5906	0.1455	0.0813	0.2268		2,243.457 1	2,243.457 1	0.1391		2,246.934 5
Worker	1.1132	0.6314	8.6853	0.0184	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,830.294 6	1,830.294 6	0.0630		1,831.868 4
Total	1.5643	11.2622	12.1545	0.0396	2.1487	0.0971	2.2458	0.5814	0.0925	0.6738		4,073.751 7	4,073.751 7	0.2020		4,078.802 9

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.7 SCC East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.7 SCC East Expansion: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.8 Hotel: Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.8 Hotel: Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131
Total	0.0773	0.0439	0.6032	1.2800e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		127.1038	127.1038	4.3700e-003		127.2131

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	13.9576	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2216	0.1257	1.7290	3.6700e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		364.3642	364.3642	0.0125		364.6775
Total	0.2216	0.1257	1.7290	3.6700e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		364.3642	364.3642	0.0125		364.6775

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	13.9576	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2216	0.1257	1.7290	3.6700e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		364.3642	364.3642	0.0125		364.6775
Total	0.2216	0.1257	1.7290	3.6700e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		364.3642	364.3642	0.0125		364.6775

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929
Total	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929
Total	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.9 Hotel: Interior and Exterior Finish Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.10 SCC East Expansion: Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	209.2493	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929
Total	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.10 SCC East Expansion: Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	209.2493	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929
Total	0.2015	0.1107	1.5526	3.5400e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		352.0159	352.0159	0.0111		352.2929

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.11 SCC West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6991	0.0000	2.6991	0.4087	0.0000	0.4087			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	2.6991	1.7949	4.4940	0.4087	1.6697	2.0783		3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1042	3.5809	0.8817	9.5800e-003	0.2080	0.0154	0.2234	0.0569	0.0147	0.0717		1,024.959 8	1,024.959 8	0.0595		1,026.446 3
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1745	3.6195	1.4232	0.0108	0.3221	0.0162	0.3383	0.0872	0.0155	0.1027		1,147.756 0	1,147.756 0	0.0633		1,149.339 2

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.11 SCC West Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6991	0.0000	2.6991	0.4087	0.0000	0.4087			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	2.6991	1.7949	4.4940	0.4087	1.6697	2.0783	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1042	3.5809	0.8817	9.5800e-003	0.2080	0.0154	0.2234	0.0569	0.0147	0.0717		1,024.959 8	1,024.959 8	0.0595		1,026.446 3
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0703	0.0386	0.5416	1.2300e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		122.7963	122.7963	3.8600e-003		122.8929
Total	0.1745	3.6195	1.4232	0.0108	0.3221	0.0162	0.3383	0.0872	0.0155	0.1027		1,147.756 0	1,147.756 0	0.0633		1,149.339 2

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3975	10.0616	3.0042	0.0211	0.5056	0.0726	0.5782	0.1455	0.0695	0.2149		2,228.107 8	2,228.107 8	0.1339		2,231.455 3
Worker	1.0121	0.5559	7.7990	0.0178	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,768.266 1	1,768.266 1	0.0556		1,769.657 2
Total	1.4096	10.6175	10.8031	0.0388	2.1487	0.0843	2.2330	0.5813	0.0802	0.6616		3,996.373 9	3,996.373 9	0.1895		4,001.112 5

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3168	9.2236	2.4790	0.0209	0.5055	0.0481	0.5536	0.1455	0.0460	0.1915		2,214.7056	2,214.7056	0.1255		2,217.8430
Worker	0.9314	0.4943	7.0524	0.0172	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,713.9880	1,713.9880	0.0491		1,715.2156
Total	1.2482	9.7178	9.5315	0.0381	2.1486	0.0595	2.2081	0.5813	0.0565	0.6379		3,928.6936	3,928.6936	0.1746		3,933.0586

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.12 SCC West Expansion: Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3168	9.2236	2.4790	0.0209	0.5055	0.0481	0.5536	0.1455	0.0460	0.1915		2,214.7056	2,214.7056	0.1255		2,217.8430
Worker	0.9314	0.4943	7.0524	0.0172	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,713.9880	1,713.9880	0.0491		1,715.2156
Total	1.2482	9.7178	9.5315	0.0381	2.1486	0.0595	2.2081	0.5813	0.0565	0.6379		3,928.6936	3,928.6936	0.1746		3,933.0586

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.13 SCC West Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	209.2251	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

3.13 SCC West Expansion: Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	209.2251	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550
Total	0.1854	0.0984	1.4040	3.4300e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		341.2106	341.2106	9.7800e-003		341.4550

4.0 Operational Detail - Mobile

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.7937	24.9188	70.5228	0.1788	13.4788	0.1842	13.6630	3.6047	0.1730	3.7778		18,084.03 34	18,084.03 34	0.9617		18,108.07 50
Unmitigated	8.7937	24.9188	70.5228	0.1788	13.4788	0.1842	13.6630	3.6047	0.1730	3.7778		18,084.03 34	18,084.03 34	0.9617		18,108.07 50

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	1,380.25	1,380.25	1380.25	1,941,339	1,941,339
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	2,859.50	2,866.50	2082.50	4,229,582	4,229,582
Total	4,239.75	4,246.75	3,462.75	6,170,921	6,170,921

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	10.00	5.00	6.50	0.00	81.00	19.00	66	28	6
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hotel	10.00	5.00	6.50	19.40	61.60	19.00	58	38	4

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Enclosed Parking with Elevator	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Hotel	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
NaturalGas Unmitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40862.7	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40.8627	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

6.0 Area Detail

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004			0.1118
Unmitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004			0.1118

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004			0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004			0.1118

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493

11.0 Vegetation

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

Sacramento Convention Center and Hotel (Defaults)
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	65.00	1000sqft	0.00	65,000.00	0
Arena	63.93	1000sqft	6.52	63,930.00	0
Hotel	350.00	Room	0.56	385,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2020
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

Project Characteristics -

Land Use - "Arena" land-use used as a surrogate for Convention Center land-use.

Construction Phase - Construction schedule based on project-specific estimates. For total days of grading and paving (hotel), defaults for 10 acre site used (450ksf)

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT -

Demolition -

Grading - Total acres graded equal to site footprint.

Architectural Coating -

Vehicle Trips - Project-specific traffic information.

Energy Use -

Stationary Sources - Process Boilers -

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	306.00
tblConstructionPhase	NumDays	230.00	280.00
tblConstructionPhase	NumDays	230.00	174.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	10.00	100.00
tblFleetMix	FleetMixLandUseSubType	Enclosed Parking with Elevator	Arena
tblFleetMix	FleetMixLandUseSubType	Arena	Enclosed Parking with Elevator
tblGrading	AcresOfGrading	7.00	0.56
tblGrading	AcresOfGrading	0.00	6.52
tblGrading	MaterialExported	0.00	21,800.00
tblLandUse	BuildingSpaceSquareFeet	508,200.00	385,000.00
tblLandUse	LandUseSquareFeet	508,200.00	385,000.00
tblLandUse	LotAcreage	1.49	0.00
tblLandUse	LotAcreage	20.55	6.52
tblLandUse	LotAcreage	11.67	0.56
tblProjectCharacteristics	OperationalYear	2018	2020
tblStationaryBoilersUse	NumberOfEquipment	0.00	1.00
tblVehicleTrips	ST_TR	10.71	21.59
tblVehicleTrips	SU_TR	10.71	21.59
tblVehicleTrips	WD_TR	10.71	21.59

2.0 Emissions Summary

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	18.3433	143.8151	75.5879	0.2257	28.1609	6.1270	32.5774	14.2957	5.6919	18.3695	0.0000	23,693.6908	23,693.6908	3.1686	0.0000	23,772.9069
2019	227.2563	41.5373	33.6450	0.0752	3.3482	1.9427	5.2909	0.7549	1.8165	2.3992	0.0000	7,497.9774	7,497.9774	1.1612	0.0000	7,520.2997
2020	212.7062	31.0141	28.7724	0.0684	2.4757	1.2914	3.7671	0.6681	1.2214	1.8895	0.0000	6,797.5157	6,797.5157	0.8324	0.0000	6,818.3246
Maximum	227.2563	143.8151	75.5879	0.2257	28.1609	6.1270	32.5774	14.2957	5.6919	18.3695	0.0000	23,693.6908	23,693.6908	3.1686	0.0000	23,772.9069

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	18.3433	143.8151	75.5879	0.2257	28.1609	6.1270	32.5774	14.2957	5.6919	18.3695	0.0000	23,693.6907	23,693.6907	3.1686	0.0000	23,772.9069
2019	227.2563	41.5373	33.6450	0.0752	3.3482	1.9427	5.2909	0.7549	1.8165	2.3992	0.0000	7,497.9774	7,497.9774	1.1612	0.0000	7,520.2997
2020	212.7062	31.0141	28.7724	0.0684	2.4757	1.2914	3.7671	0.6681	1.2214	1.8895	0.0000	6,797.5157	6,797.5157	0.8324	0.0000	6,818.3246
Maximum	227.2563	143.8151	75.5879	0.2257	28.1609	6.1270	32.5774	14.2957	5.6919	18.3695	0.0000	23,693.6907	23,693.6907	3.1686	0.0000	23,772.9069

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	6.4378	26.4219	69.7635	0.1615	13.4788	0.1877	13.6666	3.6047	0.1764	3.7812		16,338.6782	16,338.6782	0.9781		16,363.1297
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493
Total	18.3733	32.3653	85.2256	0.2598	13.4788	1.4334	14.9122	3.6047	1.4221	5.0268		36,004.2149	36,004.2149	1.3553	0.1017	36,068.4045

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Energy	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
Mobile	6.4378	26.4219	69.7635	0.1615	13.4788	0.1877	13.6666	3.6047	0.1764	3.7812		16,338.6782	16,338.6782	0.9781		16,363.1297
Stationary	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493
Total	18.3733	32.3653	85.2256	0.2598	13.4788	1.4334	14.9122	3.6047	1.4221	5.0268		36,004.2149	36,004.2149	1.3553	0.1017	36,068.4045

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Hotel: Demolition	Demolition	1/17/2018	1/30/2018	5	10	
2	SCC Early Utility Work and Site Preparation	Site Preparation	1/17/2018	6/5/2018	5	100	
3	Hotel: Excavation	Grading	1/31/2018	2/19/2018	5	14	
4	Hotel: Construction	Building Construction	2/20/2018	10/19/2018	5	174	
5	SCC East Expansion: Demolition	Demolition	5/30/2018	6/12/2018	5	10	
6	SCC East Expansion: Construction	Building Construction	6/13/2018	4/30/2019	5	230	
7	Hotel: Paving	Paving	10/20/2018	11/16/2018	5	20	
8	Hotel: Interior and Exterior Finish Work	Architectural Coating	11/17/2018	1/20/2020	5	306	
9	SCC East Expansion: Architectural Coating	Architectural Coating	4/1/2019	4/26/2019	5	20	
10	SCC West Expansion: Demolition	Demolition	6/26/2019	8/20/2019	5	40	
11	SCC West Expansion: Building Construction	Building Construction	8/21/2019	9/15/2020	5	280	
12	SCC West Expansion: Architectural Coating	Architectural Coating	8/17/2020	9/11/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 673,395; Non-Residential Outdoor: 224,465; Striped Parking Area: 3,900 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hotel: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Hotel: Demolition	Excavators	3	8.00	158	0.38
Hotel: Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

SCC Early Utility Work and Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
SCC Early Utility Work and Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Hotel: Excavation	Excavators	1	8.00	158	0.38
Hotel: Excavation	Graders	1	8.00	187	0.41
Hotel: Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Hotel: Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Hotel: Construction	Cranes	1	7.00	231	0.29
Hotel: Construction	Forklifts	3	8.00	89	0.20
Hotel: Construction	Generator Sets	1	8.00	84	0.74
Hotel: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Hotel: Construction	Welders	1	8.00	46	0.45
SCC East Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC East Expansion: Demolition	Excavators	3	8.00	158	0.38
SCC East Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC East Expansion: Construction	Cranes	1	7.00	231	0.29
SCC East Expansion: Construction	Forklifts	3	8.00	89	0.20
SCC East Expansion: Construction	Generator Sets	1	8.00	84	0.74
SCC East Expansion: Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC East Expansion: Construction	Welders	1	8.00	46	0.45
Hotel: Paving	Pavers	2	8.00	130	0.42
Hotel: Paving	Paving Equipment	2	8.00	132	0.36
Hotel: Paving	Rollers	2	8.00	80	0.38
Hotel: Interior and Exterior Finish Work	Air Compressors	1	6.00	78	0.48
SCC East Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48
SCC West Expansion: Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
SCC West Expansion: Demolition	Excavators	3	8.00	158	0.38

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

SCC West Expansion: Demolition	Rubber Tired Dozers	2	8.00	247	0.40
SCC West Expansion: Building Construction	Cranes	1	7.00	231	0.29
SCC West Expansion: Building Construction	Forklifts	3	8.00	89	0.20
SCC West Expansion: Building Construction	Generator Sets	1	8.00	84	0.74
SCC West Expansion: Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
SCC West Expansion: Building Construction	Welders	1	8.00	46	0.45
SCC West Expansion: Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Hotel: Demolition	6	15.00	0.00	88.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC Early Utility Work and Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Excavation	6	15.00	0.00	2,725.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Demolition	6	15.00	0.00	72.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Hotel: Interior and Exterior Finish Work	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC East Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Demolition	6	15.00	0.00	478.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Building Construction	9	216.00	84.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
SCC West Expansion: Architectural Coating	1	43.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.2 Hotel: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9744	1.9386	3.9130	0.2990	1.8048	2.1038		3,871.7665	3,871.7665	1.0667		3,898.4344

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0868	2.9308	0.7799	7.0300e-003	0.1532	0.0130	0.1661	0.0419	0.0124	0.0543		751.7880	751.7880	0.0469		752.9602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1581	2.9850	1.3021	8.1500e-003	0.2673	0.0138	0.2811	0.0722	0.0132	0.0854		863.4322	863.4322	0.0508		864.7017

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.2 Hotel: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9744	0.0000	1.9744	0.2990	0.0000	0.2990			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.9744	1.9386	3.9130	0.2990	1.8048	2.1038	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0868	2.9308	0.7799	7.0300e-003	0.1532	0.0130	0.1661	0.0419	0.0124	0.0543		751.7880	751.7880	0.0469		752.9602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1581	2.9850	1.3021	8.1500e-003	0.2673	0.0138	0.2811	0.0722	0.0132	0.0854		863.4322	863.4322	0.0508		864.7017

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.3 SCC Early Utility Work and Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1354	0.0000	18.1354	9.9382	0.0000	9.9382			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.1354	2.5769	20.7123	9.9382	2.3708	12.3089		3,831.6239	3,831.6239	1.1928		3,861.4448

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898
Total	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.3 SCC Early Utility Work and Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.1354	0.0000	18.1354	9.9382	0.0000	9.9382			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	4.5627	48.1988	22.4763	0.0380	18.1354	2.5769	20.7123	9.9382	2.3708	12.3089	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898
Total	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.4 Hotel: Excavation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3865	0.0000	6.3865	3.3636	0.0000	3.3636			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.3865	1.5513	7.9379	3.3636	1.4272	4.7908		2,988.0216	2,988.0216	0.9302		3,011.2769

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9200	64.8244	17.2505	0.1555	3.3879	0.2865	3.6744	0.9274	0.2741	1.2015		16,628.4280	16,628.4280	1.0370		16,654.3539
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	1.9913	64.8787	17.7727	0.1567	3.5020	0.2873	3.7893	0.9576	0.2749	1.2325		16,740.0722	16,740.0722	1.0409		16,766.0954

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.4 Hotel: Excavation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3865	0.0000	6.3865	3.3636	0.0000	3.3636			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	2.7733	30.6725	16.5770	0.0297	6.3865	1.5513	7.9379	3.3636	1.4272	4.7908	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9200	64.8244	17.2505	0.1555	3.3879	0.2865	3.6744	0.9274	0.2741	1.2015		16,628.4280	16,628.4280	1.0370		16,654.3539
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	1.9913	64.8787	17.7727	0.1567	3.5020	0.2873	3.7893	0.9576	0.2749	1.2325		16,740.0722	16,740.0722	1.0409		16,766.0954

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.5 Hotel: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4747	10.9150	3.9202	0.0207	0.5056	0.0871	0.5928	0.1455	0.0834	0.2289		2,187.8639	2,187.8639	0.1508		2,191.6332
Worker	1.0270	0.7812	7.5200	0.0162	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,607.6766	1,607.6766	0.0561		1,609.0780
Total	1.5017	11.6961	11.4402	0.0369	2.1487	0.0992	2.2480	0.5814	0.0945	0.6759		3,795.5404	3,795.5404	0.2068		3,800.7112

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.5 Hotel: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4747	10.9150	3.9202	0.0207	0.5056	0.0871	0.5928	0.1455	0.0834	0.2289		2,187.863 9	2,187.863 9	0.1508		2,191.633 2
Worker	1.0270	0.7812	7.5200	0.0162	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,607.676 6	1,607.676 6	0.0561		1,609.078 0
Total	1.5017	11.6961	11.4402	0.0369	2.1487	0.0992	2.2480	0.5814	0.0945	0.6759		3,795.540 4	3,795.540 4	0.2068		3,800.711 2

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.6 SCC East Expansion: Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513		3,871.7665	3,871.7665	1.0667		3,898.4344

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0710	2.3979	0.6381	5.7500e-003	0.1253	0.0106	0.1359	0.0343	0.0101	0.0444		615.0993	615.0993	0.0384		616.0583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1423	2.4522	1.1603	6.8700e-003	0.2394	0.0114	0.2509	0.0646	0.0109	0.0755		726.7435	726.7435	0.0423		727.7998

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.6 SCC East Expansion: Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6280	0.0000	1.6280	0.2465	0.0000	0.2465			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	3.7190	38.3225	22.3040	0.0388	1.6280	1.9386	3.5665	0.2465	1.8048	2.0513	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0710	2.3979	0.6381	5.7500e-003	0.1253	0.0106	0.1359	0.0343	0.0101	0.0444		615.0993	615.0993	0.0384		616.0583
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.1423	2.4522	1.1603	6.8700e-003	0.2394	0.0114	0.2509	0.0646	0.0109	0.0755		726.7435	726.7435	0.0423		727.7998

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.7 SCC East Expansion: Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4747	10.9150	3.9202	0.0207	0.5056	0.0871	0.5928	0.1455	0.0834	0.2289		2,187.8639	2,187.8639	0.1508		2,191.6332
Worker	1.0270	0.7812	7.5200	0.0162	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,607.6766	1,607.6766	0.0561		1,609.0780
Total	1.5017	11.6961	11.4402	0.0369	2.1487	0.0992	2.2480	0.5814	0.0945	0.6759		3,795.5404	3,795.5404	0.2068		3,800.7112

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.7 SCC East Expansion: Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3
Total	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.935 1	2,620.935 1	0.6421		2,636.988 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4747	10.9150	3.9202	0.0207	0.5056	0.0871	0.5928	0.1455	0.0834	0.2289		2,187.863 9	2,187.863 9	0.1508		2,191.633 2
Worker	1.0270	0.7812	7.5200	0.0162	1.6431	0.0121	1.6552	0.4359	0.0111	0.4470		1,607.676 6	1,607.676 6	0.0561		1,609.078 0
Total	1.5017	11.6961	11.4402	0.0369	2.1487	0.0992	2.2480	0.5814	0.0945	0.6759		3,795.540 4	3,795.540 4	0.2068		3,800.711 2

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.7 SCC East Expansion: Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.1208	2,172.1208	0.1451		2,175.7481
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.0403	1,553.0403	0.0493		1,554.2727
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.1611	3,725.1611	0.1944		3,730.0208

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.7 SCC East Expansion: Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.120 8	2,172.120 8	0.1451		2,175.748 1
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.040 3	1,553.040 3	0.0493		1,554.272 7
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.161 1	3,725.161 1	0.1944		3,730.020 8

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.8 Hotel: Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.8 Hotel: Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415
Total	0.0713	0.0543	0.5222	1.1200e-003	0.1141	8.4000e-004	0.1149	0.0303	7.7000e-004	0.0310		111.6442	111.6442	3.8900e-003		111.7415

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	13.9576	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2044	0.1555	1.4970	3.2200e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		320.0467	320.0467	0.0112		320.3257
Total	0.2044	0.1555	1.4970	3.2200e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		320.0467	320.0467	0.0112		320.3257

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	13.9576	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2044	0.1555	1.4970	3.2200e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		320.0467	320.0467	0.0112		320.3257
Total	0.2044	0.1555	1.4970	3.2200e-003	0.3271	2.4000e-003	0.3295	0.0868	2.2200e-003	0.0890		320.0467	320.0467	0.0112		320.3257

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154
Total	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	13.9255	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154
Total	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.9 Hotel: Interior and Exterior Finish Work - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6590					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	13.9012	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.10 SCC East Expansion: Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	209.2493	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154
Total	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.10 SCC East Expansion: Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	209.2493	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154
Total	0.1855	0.1368	1.3357	3.1100e-003	0.3271	2.3300e-003	0.3294	0.0868	2.1500e-003	0.0889		309.1701	309.1701	9.8100e-003		309.4154

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.11 SCC West Expansion: Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6991	0.0000	2.6991	0.4087	0.0000	0.4087			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	2.6991	1.7949	4.4940	0.4087	1.6697	2.0783		3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1079	3.7344	0.9456	9.4300e-003	0.2080	0.0159	0.2238	0.0569	0.0152	0.0721		1,009.558 1	1,009.558 1	0.0624		1,011.1169
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1726	3.7821	1.4116	0.0105	0.3221	0.0167	0.3388	0.0872	0.0160	0.1031		1,117.408 1	1,117.408 1	0.0658		1,119.052 5

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.11 SCC West Expansion: Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6991	0.0000	2.6991	0.4087	0.0000	0.4087			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1
Total	3.5134	35.7830	22.0600	0.0388	2.6991	1.7949	4.4940	0.4087	1.6697	2.0783	0.0000	3,816.899 4	3,816.899 4	1.0618		3,843.445 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1079	3.7344	0.9456	9.4300e-003	0.2080	0.0159	0.2238	0.0569	0.0152	0.0721		1,009.558 1	1,009.558 1	0.0624		1,011.1169
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0647	0.0477	0.4660	1.0800e-003	0.1141	8.1000e-004	0.1149	0.0303	7.5000e-004	0.0310		107.8500	107.8500	3.4200e-003		107.9356
Total	0.1726	3.7821	1.4116	0.0105	0.3221	0.0167	0.3388	0.0872	0.0160	0.1031		1,117.408 1	1,117.408 1	0.0658		1,119.052 5

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.120 8	2,172.120 8	0.1451		2,175.748 1
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.040 3	1,553.040 3	0.0493		1,554.272 7
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.161 1	3,725.161 1	0.1944		3,730.020 8

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.580 2	2,591.580 2	0.6313		2,607.363 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4178	10.3073	3.4174	0.0205	0.5056	0.0746	0.5801	0.1455	0.0713	0.2168		2,172.120 8	2,172.120 8	0.1451		2,175.748 1
Worker	0.9316	0.6874	6.7097	0.0156	1.6431	0.0117	1.6548	0.4359	0.0108	0.4467		1,553.040 3	1,553.040 3	0.0493		1,554.272 7
Total	1.3494	10.9947	10.1271	0.0362	2.1487	0.0863	2.2350	0.5813	0.0821	0.6635		3,725.161 1	3,725.161 1	0.1944		3,730.020 8

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3337	9.4120	2.8517	0.0204	0.5055	0.0497	0.5552	0.1455	0.0475	0.1930		2,158.063 3	2,158.063 3	0.1358		2,161.458 6
Worker	0.8570	0.6107	6.0387	0.0151	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,505.279 2	1,505.279 2	0.0433		1,506.361 2
Total	1.1907	10.0226	8.8903	0.0355	2.1486	0.0611	2.2097	0.5813	0.0581	0.6394		3,663.342 5	3,663.342 5	0.1791		3,667.819 8

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.12 SCC West Expansion: Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3337	9.4120	2.8517	0.0204	0.5055	0.0497	0.5552	0.1455	0.0475	0.1930		2,158.063 3	2,158.063 3	0.1358		2,161.458 6
Worker	0.8570	0.6107	6.0387	0.0151	1.6431	0.0114	1.6545	0.4359	0.0105	0.4464		1,505.279 2	1,505.279 2	0.0433		1,506.361 2
Total	1.1907	10.0226	8.8903	0.0355	2.1486	0.0611	2.2097	0.5813	0.0581	0.6394		3,663.342 5	3,663.342 5	0.1791		3,667.819 8

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.13 SCC West Expansion: Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	209.2251	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

3.13 SCC West Expansion: Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	208.9829					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	209.2251	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775
Total	0.1706	0.1216	1.2021	3.0100e-003	0.3271	2.2700e-003	0.3294	0.0868	2.1000e-003	0.0889		299.6621	299.6621	8.6200e-003		299.8775

4.0 Operational Detail - Mobile

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.4378	26.4219	69.7635	0.1615	13.4788	0.1877	13.6666	3.6047	0.1764	3.7812		16,338.6782	16,338.6782	0.9781		16,363.1297
Unmitigated	6.4378	26.4219	69.7635	0.1615	13.4788	0.1877	13.6666	3.6047	0.1764	3.7812		16,338.6782	16,338.6782	0.9781		16,363.1297

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	1,380.25	1,380.25	1380.25	1,941,339	1,941,339
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	2,859.50	2,866.50	2082.50	4,229,582	4,229,582
Total	4,239.75	4,246.75	3,462.75	6,170,921	6,170,921

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Arena	10.00	5.00	6.50	0.00	81.00	19.00	66	28	6
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hotel	10.00	5.00	6.50	19.40	61.60	19.00	58	38	4

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Enclosed Parking with Elevator	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971
Hotel	0.551662	0.040953	0.203778	0.123762	0.021802	0.005583	0.018466	0.022043	0.002076	0.002280	0.006004	0.000618	0.000971

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136
NaturalGas Unmitigated	0.5085	4.6230	3.8833	0.0277		0.3513	0.3513		0.3513	0.3513		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6291.41	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40862.7	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Arena	6.29141	0.0679	0.6168	0.5181	3.7000e-003		0.0469	0.0469		0.0469	0.0469		740.1662	740.1662	0.0142	0.0136	744.5646
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	40.8627	0.4407	4.0062	3.3652	0.0240		0.3045	0.3045		0.3045	0.3045		4,807.3811	4,807.3811	0.0921	0.0881	4,835.9490
Total		0.5085	4.6230	3.8833	0.0277		0.3514	0.3514		0.3514	0.3514		5,547.5473	5,547.5473	0.1063	0.1017	5,580.5136

6.0 Area Detail

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004			0.1118
Unmitigated	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004			0.1118

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004			0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004			0.1118

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1451					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6300e-003	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118
Total	10.7799	4.5000e-004	0.0492	0.0000		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		0.1048	0.1048	2.8000e-004		0.1118

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Sacramento Convention Center and Hotel (Defaults) - Sacramento County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	120	43800	5	CNG

User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493
Total	0.6471	1.3200	11.5296	0.0706		0.8941	0.8941		0.8941	0.8941		14,117.8845	14,117.8845	0.2706		14,124.6493

11.0 Vegetation

Air Quality Mitigation Plan: Determination of Reduction Target (Mobile Source Emissions)

Project	Condition	Season	Mobile Source Average Daily Emissions, lb/day			
			ROG	NOX	NOXe	Maximum NOXe
SCC with Hotel	Unmitigated	Summer	8.79	24.92	26.18	27.34
		Winter	6.44	26.42	27.34	

Air Quality Mitigation Plan: Project Unmitigated vs Mitigated Emissions

Project	Condition	Season	Total Average Daily Emissions, lb/day			
			ROG	NOX	NOXe	Maximum NOXe
SCC with Hotel	Unmitigated	Summer	20.73	30.86	33.82	34.99
		Winter	18.37	32.37	34.99	
	Mitigated	Summer	19.96	25.91	28.76	29.26
		Winter	17.64	26.74	29.26	

Air Quality Mitigation Plan: Reduction Target

Parameter	Value
Target percent reduction	15%
NOXe reduction target, lb/day	4.10
NOXe reduction (unmitigated minus mitigated), lb/day	5.73
NOXe reduction, %	16.4%
Meet target reduction? (Yes/No)	Yes

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 1

JOB: J and 12 - Baseline Plus SCC and Hotel

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

I. SITE VARIABLES

U= 0.5 M/S Z0= 10. CM ALT= 8. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.3 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*	EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH (G/MI)	(M)	(M)
A. 1	*	-3	1	44	143	* AG	360	4.7	0.0 18.0
B. 2	*	2	-1	16	42	* AG	510	4.7	0.0 18.0
C. 3	*	0	0	-142	48	* AG	1650	4.7	0.0 16.0
D. 4	*	-2	-1	-144	47	* AG	170	4.7	0.0 16.0
E. 5	*	3	-1	-44	-143	* AG	200	4.7	0.0 10.0
F. 6	*	0	0	142	-48	* AG	2360	4.7	0.0 16.0
G. 7	*	-3	1	-51	-141	* AG	530	4.7	0.0 16.0

III. RECEPTOR LOCATIONS

	*	COORDINATES (M)		
RECEPTOR	*	X	Y	Z
-----*				
1. 1	*	-4	11	1.8
2. 2	*	11	4	1.8
3. 3	*	-11	-4	1.8
4. 4	*	4	-11	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 2

JOB: J and 12 - Baseline Plus SCC and Hotel

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* (DEG)	* (PPM)	* A	B	C	D	E	F	G
1. 1	* 116.	* 3.9	* 0.1	0.1	0.0	0.0	0.0	1.4	0.0
2. 2	* 284.	* 4.2	* 0.1	0.1	1.1	0.1	0.0	0.4	0.0
3. 3	* 104.	* 4.3	* 0.0	0.0	0.2	0.0	0.0	1.6	0.1
4. 4	* 100.	* 3.7	* 0.0	0.0	0.0	0.0	0.0	1.4	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 1

JOB: J and 12 - Cumulative Plus SCC

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

I. SITE VARIABLES

U= 0.5 M/S Z0= 10. CM ALT= 8. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.3 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*	EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH (G/MI)	(M)	(M)
A. 1	*	-3	1	44	143	* AG	350	3.7	0.0 18.0
B. 2	*	2	-1	16	42	* AG	650	3.7	0.0 18.0
C. 3	*	0	0	-142	48	* AG	1720	3.7	0.0 16.0
D. 4	*	-2	-1	-144	47	* AG	150	3.7	0.0 16.0
E. 5	*	3	-1	-44	-143	* AG	160	3.7	0.0 10.0
F. 6	*	0	0	142	-48	* AG	2530	3.7	0.0 16.0
G. 7	*	-3	1	-51	-141	* AG	500	3.7	0.0 16.0

III. RECEPTOR LOCATIONS

	*	COORDINATES (M)		
RECEPTOR	*	X	Y	Z
-----*				
1. 1	*	-4	11	1.8
2. 2	*	11	4	1.8
3. 3	*	-11	-4	1.8
4. 4	*	4	-11	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 2

JOB: J and 12 - Cumulative Plus SCC

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* (DEG)	* (PPM)	* A	B	C	D	E	F	G
1. 1	* 116.	* 3.6	* 0.1	0.1	0.0	0.0	0.0	1.2	0.0
2. 2	* 284.	* 3.8	* 0.1	0.1	0.9	0.1	0.0	0.3	0.0
3. 3	* 104.	* 4.0	* 0.0	0.0	0.2	0.0	0.0	1.3	0.1
4. 4	* 100.	* 3.5	* 0.0	0.0	0.0	0.0	0.0	1.2	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 1

JOB: J and 12 - Cumulative Plus SCC and Hotel

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

I. SITE VARIABLES

U= 0.5 M/S Z0= 10. CM ALT= 8. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.3 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*	EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH (G/MI)	(M)	(M)
A. 1	*	-3	1	44	143	* AG	350	3.7	0.0 18.0
B. 2	*	2	-1	16	42	* AG	660	3.7	0.0 18.0
C. 3	*	0	0	-142	48	* AG	1720	3.7	0.0 16.0
D. 4	*	-2	-1	-144	47	* AG	220	3.7	0.0 16.0
E. 5	*	3	-1	-44	-143	* AG	230	3.7	0.0 10.0
F. 6	*	0	0	142	-48	* AG	2610	3.7	0.0 16.0
G. 7	*	-3	1	-51	-141	* AG	570	3.7	0.0 16.0

III. RECEPTOR LOCATIONS

	*	COORDINATES (M)		
RECEPTOR	*	X	Y	Z
-----*				
1. 1	*	-4	11	1.8
2. 2	*	11	4	1.8
3. 3	*	-11	-4	1.8
4. 4	*	4	-11	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 2

JOB: J and 12 - Cumulative Plus SCC and Hotel

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* (DEG)	* (PPM)	* A	B	C	D	E	F	G
1. 1	* 116.	* 3.7	* 0.1	0.1	0.0	0.0	0.0	1.2	0.0
2. 2	* 284.	* 3.9	* 0.1	0.1	0.9	0.1	0.0	0.3	0.0
3. 3	* 104.	* 4.0	* 0.0	0.0	0.2	0.0	0.0	1.3	0.1
4. 4	* 100.	* 3.5	* 0.0	0.0	0.0	0.0	0.0	1.2	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 1

JOB: J and 13 - Baseline Plus SCC

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

I. SITE VARIABLES

U= 0.5 M/S Z0= 10. CM ALT= 7. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.3 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*	EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH (G/MI)	(M)	(M)
A. 1	*	-2	1	46	143	* AG	60	4.7	0.0 16.0
B. 2	*	2	-1	16	42	* AG	170	4.7	0.0 16.0
C. 3	*	0	0	-142	48	* AG	2180	4.7	0.0 16.0
D. 4	*	2	-1	-46	-143	* AG	340	4.7	0.0 12.0
E. 5	*	0	0	142	-48	* AG	2420	4.7	0.0 16.0
F. 6	*	3	-1	51	141	* AG	470	4.7	0.0 10.0
G. 7	*	-2	1	-49	-142	* AG	320	4.7	0.0 10.0

III. RECEPTOR LOCATIONS

	*	COORDINATES (M)		
RECEPTOR	*	X	Y	Z
-----*				
1. 1	*	-3	8	1.8
2. 2	*	8	3	1.8
3. 3	*	-8	-3	1.8
4. 4	*	3	-8	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 2

JOB: J and 13 - Baseline Plus SCC

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* (DEG)	* (PPM)	* A	B	C	D	E	F	G
1. 1	* 113.	* 4.5	* 0.0	0.0	0.2	0.0	1.8	0.1	0.0
2. 2	* 285.	* 4.4	* 0.0	0.0	1.6	0.0	0.3	0.1	0.0
3. 3	* 105.	* 4.5	* 0.0	0.0	0.2	0.1	1.8	0.0	0.1
4. 4	* 293.	* 4.3	* 0.0	0.0	1.6	0.1	0.2	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 1

JOB: J and 13 - Baseline Plus SCC and Hotel

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

I. SITE VARIABLES

U= 0.5 M/S Z0= 10. CM ALT= 7. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.3 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*	EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH (G/MI)	(M)	(M)
A. 1	*	-2	1	46	143	* AG	60	4.7	0.0 16.0
B. 2	*	2	-1	16	42	* AG	190	4.7	0.0 16.0
C. 3	*	0	0	-142	48	* AG	2250	4.7	0.0 16.0
D. 4	*	2	-1	-46	-143	* AG	320	4.7	0.0 12.0
E. 5	*	0	0	142	-48	* AG	2530	4.7	0.0 16.0
F. 6	*	3	-1	51	141	* AG	490	4.7	0.0 10.0
G. 7	*	-2	1	-49	-142	* AG	330	4.7	0.0 10.0

III. RECEPTOR LOCATIONS

	*	COORDINATES (M)		
RECEPTOR	*	X	Y	Z
-----*				
1. 1	*	-3	8	1.8
2. 2	*	8	3	1.8
3. 3	*	-8	-3	1.8
4. 4	*	3	-8	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 2

JOB: J and 13 - Baseline Plus SCC and Hotel

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* (DEG)	* (PPM)	* A	B	C	D	E	F	G
1. 1	* 113.	* 4.5	* 0.0	0.1	0.2	0.0	1.9	0.1	0.0
2. 2	* 285.	* 4.4	* 0.0	0.0	1.7	0.0	0.3	0.1	0.0
3. 3	* 105.	* 4.6	* 0.0	0.0	0.2	0.1	1.8	0.0	0.1
4. 4	* 293.	* 4.4	* 0.0	0.0	1.7	0.1	0.2	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 1

JOB: J and 13 - Cumulative Plus SCC

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

I. SITE VARIABLES

U= 0.5 M/S Z0= 10. CM ALT= 7. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.3 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*	EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH (G/MI)	(M)	(M)
A. 1	*	-2	1	46	143	* AG	90	3.7	0.0 16.0
B. 2	*	2	-1	16	42	* AG	220	3.7	0.0 16.0
C. 3	*	0	0	-142	48	* AG	2270	3.7	0.0 16.0
D. 4	*	2	-1	-46	-143	* AG	330	3.7	0.0 12.0
E. 5	*	0	0	142	-48	* AG	2810	3.7	0.0 16.0
F. 6	*	3	-1	51	141	* AG	550	3.7	0.0 10.0
G. 7	*	-2	1	-49	-142	* AG	320	3.7	0.0 10.0

III. RECEPTOR LOCATIONS

	*	COORDINATES (M)		
RECEPTOR	*	X	Y	Z
-----*				
1. 1	*	-3	8	1.8
2. 2	*	8	3	1.8
3. 3	*	-8	-3	1.8
4. 4	*	3	-8	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 2

JOB: J and 13 - Cumulative Plus SCC

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* (DEG)	* (PPM)	* A	B	C	D	E	F	G
1. 1	* 113.	* 4.2	* 0.0	0.0	0.2	0.0	1.6	0.1	0.0
2. 2	* 285.	* 4.0	* 0.0	0.0	1.3	0.0	0.2	0.1	0.0
3. 3	* 105.	* 4.2	* 0.0	0.0	0.2	0.1	1.6	0.0	0.1
4. 4	* 293.	* 4.0	* 0.0	0.0	1.3	0.1	0.2	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 1

JOB: J and 13 - Cumulative Plus SCC and Hotel

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

I. SITE VARIABLES

U= 0.5 M/S Z0= 10. CM ALT= 7. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.3 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK	*	LINK COORDINATES (M)				*	EF	H	W
DESCRIPTION	*	X1	Y1	X2	Y2	* TYPE	VPH (G/MI)	(M)	(M)
A. 1	*	-2	1	46	143	* AG	110	3.7	0.0 16.0
B. 2	*	2	-1	16	42	* AG	220	3.7	0.0 16.0
C. 3	*	0	0	-142	48	* AG	2470	3.7	0.0 16.0
D. 4	*	2	-1	-46	-143	* AG	330	3.7	0.0 12.0
E. 5	*	0	0	142	-48	* AG	2910	3.7	0.0 16.0
F. 6	*	3	-1	51	141	* AG	640	3.7	0.0 10.0
G. 7	*	-2	1	-49	-142	* AG	360	3.7	0.0 10.0

III. RECEPTOR LOCATIONS

	*	COORDINATES (M)		
RECEPTOR	*	X	Y	Z
-----*				
1. 1	*	-3	8	1.8
2. 2	*	8	3	1.8
3. 3	*	-8	-3	1.8
4. 4	*	3	-8	1.8

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL

JUNE 1989 VERSION

PAGE 2

JOB: J and 13 - Cumulative Plus SCC and Hotel

RUN: Hour 1 (WORST CASE ANGLE)

POLLUTANT:

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	* (DEG)	* (PPM)	* A	B	C	D	E	F	G
1. 1	* 113.	* 4.3	* 0.0	0.0	0.2	0.0	1.6	0.1	0.0
2. 2	* 285.	* 4.2	* 0.0	0.0	1.4	0.0	0.2	0.1	0.0
3. 3	* 105.	* 4.3	* 0.0	0.0	0.2	0.1	1.6	0.0	0.1
4. 4	* 293.	* 4.1	* 0.0	0.0	1.4	0.1	0.2	0.0	0.1

Appendix C2

Air Quality Management Plan

SACRAMENTO CONVENTION CENTER RENOVATION AND EXPANSION WITH HOTEL

Air Quality Mitigation Plan

For submittal to
Sacramento Metropolitan Air Quality Management District

October 2017



SACRAMENTO CONVENTION CENTER RENOVATION AND EXPANSION WITH HOTEL

Air Quality Mitigation Plan

For submittal to
Sacramento Metropolitan Air Quality Management District

October 2017

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Irvine	Sacramento
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Petaluma	Tampa
Portland	Woodland Hills

OUR COMMITMENT TO SUSTAINABILITY | ESA helps a variety of public and private sector clients plan and prepare for climate change and emerging regulations that limit GHG emissions. ESA is a registered assessor with the California Climate Action Registry, a Climate Leader, and founding reporter for the Climate Registry. ESA is also a corporate member of the U.S. Green Building Council and the Business Council on Climate Change (BC3). Internally, ESA has adopted a Sustainability Vision and Policy Statement and a plan to reduce waste and energy within our operations.

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Air Quality Mitigation Plan for Sacramento Convention Center Renovation and Expansion With Hotel

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Introduction

The Sacramento Metropolitan Air Quality Management District (SMAQMD) has developed guidance to mitigate operational emissions for projects subject to the California Environmental Quality Act (CEQA).¹ SMAQMD's guidance recommends that project applicants prepare an Air Quality Mitigation Plan (AQMP) for all projects that exceed SMAQMD's operational significance thresholds of 65 pounds per day for oxides of nitrogen (NO_x), 65 pounds per day for reactive organic gases (ROG), 80 pounds per day for particulate matter less than or equal to 10 microns (PM₁₀), and 82 pounds per day for PM_{2.5}.

Operational emissions of NO_x from the Sacramento Convention Center Renovation and Expansion with Hotel (SCC with Hotel) are greater than the applicable SMAQMD significance thresholds identified above. Therefore, an AQMP has been prepared for the project.

Methodology

The first step involves estimating total daily emissions of ozone precursors (ROG and NO_x) emissions from the project's mobile sector, using CalEEMod default settings. The ozone precursors are normalized based on their ozone creation potential, in equivalent oxides of nitrogen (NO_{xe}). To determine NO_{xe}, the mobile sector ROG emissions are divided by seven and the resulting quotient is summed with the mobile sector NO_x emissions. The season (winter or summer) with the highest NO_{xe} emissions are used in the calculation. A reduction target is calculated based on the project's inclusion in the current State Implementation Plan (SIP). For projects included in the current SIP, the SMAQMD recommends a 15 percent reduction of NO_{xe} mobile source emissions. For projects not considered in the SIP, the SMAQMD recommends a 35 percent reduction of NO_{xe} mobile source emissions. The SMAQMD has determined that this reduction in emissions will satisfy the "all feasible measures" mitigation requirement under CEQA. The reduction target is in pounds per day (ppd).

The proponent should now apply mitigation to any sector (not only the mobile sector), calculate the mitigated project emissions using CalEEMod, and determine if the applied mitigation would meet the reduction target. An AQMP is considered to meet the reduction target is less than or equal to the difference between the unmitigated project NO_{xe} emissions and mitigated project NO_{xe} emissions:

$$\text{Reduction Target, ppd} \leq \text{Unmitigated Project NO}_{xe}, \text{ ppd} - \text{Mitigated Project NO}_{xe}, \text{ ppd}$$

The SMAQMD guidance recognizes that site-specific traffic information is more relevant than information generated from a statewide model (identified as prerequisite *TS: Traffic Study* in the SMAQMD guidance). Traffic studies typically include calculation of internal trip capture, mix of uses, distance to job centers, and sometimes walking and cycling information. Rather than use CalEEMod to estimate the impact of these features on a project, the information within the traffic

¹ Sacramento Metropolitan Air Quality Management District (SMAQMD), 2017. Recommended Guidance for Land Use Emission Reductions, Version 3.3 (for Operational Emissions). Accessed September 6, 2017.

study is used to create a mitigated project run. The quantity of mitigated emissions is compared to the reduction target, as described above.

Reduction Target

The unmitigated project was modeled using CalEEMod 2016.3.1, and NO_xe is calculated. The unmitigated emissions have been estimated using CalEEMod default values, with one exception; the daily trip generation rates are based on the trip rates included in the traffic study. The proposed project would be consistent with the City of Sacramento’s 2035 General Plan; therefore, the proposed project is included in the SIP and the 15 percent reduction target applies.² This reduction target is then applied to the NO_xe value to determine the reduction target in ppd. The unmitigated project emissions, target reduction percentage, and reduction target is presented in Table 1.

**TABLE 1.
DETERMINATION OF REDUCTION TARGET**

Source	Unmitigated Emissions, ppd			Target Reduction Percentage	Reduction Target, ppd
	ROG	NO _x	NO _x e ¹		
Mobile sources	6.44	26.42	27.34	15%	4.10

Note: From winter season (highest mobile source emissions).
¹ NO_xe, as defined by the SMAQMD, is the reduction in ROG (divided by 7) plus the reduction in NO_x.

Mitigation

The prerequisite *TS: Traffic Study* (as identified in the SMAQMD guidance) was applied to the proposed project. The CalEEMod default estimate of total VMT was revised to be consistent with the project-specific VMT estimates. Within CalEEMod, VMT estimates for each land use type are the product of trip generation rates times trip lengths. CalEEMod’s default trip lengths were adjusted so that its VMT matched the project specific estimates.

The VMT estimates for the proposed project were modeled using the Sacramento Area Council of Government’s (SACOG) SACMET travel demand model. SACMET accounts for several factors that reduce project VMT. These include:

- job accessibility (within a 30 minute drive or transit travel time);
- proximity to transit (distance to nearest light rail or bus station, in miles);
- availability of Class 1 and 2 bike lanes within and adjacent to the project;
- parameters that effect walking, including sidewalks and pedestrian paths and distances to transit, commercial, and related destinations;
- job and housing density (dwelling units and jobs per acre); and

² City of Sacramento, 2015. City of Sacramento 2035 General Plan Master Environmental Impact Report (SCH No. 2012122006). Certified March 3, 2015.

- jobs and housing mix.

Air Quality Mitigation Plan Effectiveness

As shown in Table 2, the proposed project would result in a reduction of 5.74 ppd of NO_xe emissions after mitigation. As calculated above, the reduction target is 4.10 ppd of NO_xe. Therefore, the proposed project's operational emissions would achieve the recommended 15 percent emission reduction guideline established by the SMAQMD and would be consistent with the SIP.

**TABLE 2.
AIR QUALITY MITIGATION PLAN EFFECTIVENESS**

Project	Unmitigated Emissions, ppd			Mitigated Emissions, ppd			NO _x e Reduction, ppd	Reduction Target	Meet Reduction Target?
	ROG	NO _x	NO _x e ¹	ROG	NO _x	NO _x e ¹			
SCC with Hotel	18.37	32.37	34.99	17.64	26.74	29.26	5.73	4.10	Yes

¹ NO_xe, as defined by the SMAQMD, is the reduction in ROG (divided by 7) plus the reduction in NO_x.

Appendix D

Biological Resources Data



Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad (Sacramento East (3812154) OR Sacramento West (3812155) OR Taylor Monument (3812165) OR Rio Linda (3812164) OR Citrus Heights (3812163) OR Carmichael (3812153) OR Elk Grove (3812143) OR Florin (3812144) OR Clarksburg (3812145))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Accipiter cooperii</i> Cooper's hawk	ABNKC12040	None	None	G5	S4	WL
<i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020	None	Candidate Endangered	G2G3	S1S2	SSC
<i>Andrena subapasta</i> An andrenid bee	IIHYM35210	None	None	G1G2	S1S2	
<i>Aquila chrysaetos</i> golden eagle	ABNKC22010	None	None	G5	S3	FP
<i>Archoplites interruptus</i> Sacramento perch	AFCQB07010	None	None	G2G3	S1	SSC
<i>Ardea alba</i> great egret	ABNGA04040	None	None	G5	S4	
<i>Ardea herodias</i> great blue heron	ABNGA04010	None	None	G5	S4	
<i>Astragalus tener var. ferrisiae</i> Ferris' milk-vetch	PDFAB0F8R3	None	None	G2T1	S1	1B.1
<i>Athene cunicularia</i> burrowing owl	ABNSB10010	None	None	G4	S3	SSC
<i>Branchinecta lynchi</i> vernal pool fairy shrimp	ICBRA03030	Threatened	None	G3	S3	
<i>Branchinecta mesoovallensis</i> midvalley fairy shrimp	ICBRA03150	None	None	G2	S2S3	
<i>Buteo regalis</i> ferruginous hawk	ABNKC19120	None	None	G4	S3S4	WL
<i>Buteo swainsoni</i> Swainson's hawk	ABNKC19070	None	Threatened	G5	S3	
<i>Carex comosa</i> bristly sedge	PMCYP032Y0	None	None	G5	S2	2B.1
<i>Cicindela hirticollis abrupta</i> Sacramento Valley tiger beetle	IICOL02106	None	None	G5TH	SH	
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	G5T2T3	S1	
<i>Cuscuta obtusiflora var. glandulosa</i> Peruvian dodder	PDCUS01111	None	None	G5T4T5	SH	2B.2
<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	IICOL48011	Threatened	None	G3T2	S2	



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Downingia pusilla</i> dwarf downingia	PDCAM060C0	None	None	GU	S2	2B.2
<i>Dumontia oregonensis</i> hairy water flea	ICBRA23010	None	None	G1G3	S1	
<i>Egretta thula</i> snowy egret	ABNGA06030	None	None	G5	S4	
<i>Elanus leucurus</i> white-tailed kite	ABNKC06010	None	None	G5	S3S4	FP
<i>Elderberry Savanna</i> Elderberry Savanna	CTT63440CA	None	None	G2	S2.1	
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Falco columbarius</i> merlin	ABNKD06030	None	None	G5	S3S4	WL
<i>Fritillaria agrestis</i> stinkbells	PMLIL0V010	None	None	G3	S3	4.2
<i>Gratiola heterosepala</i> Boggs Lake hedge-hyssop	PDSCR0R060	None	Endangered	G2	S2	1B.2
<i>Great Valley Cottonwood Riparian Forest</i> Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	G2	S2.1	
<i>Great Valley Valley Oak Riparian Forest</i> Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	G1	S1.1	
<i>Hibiscus lasiocarpus var. occidentalis</i> woolly rose-mallow	PDMAL0HOR3	None	None	G5T3	S3	1B.2
<i>Hydrochara rickseckeri</i> Ricksecker's water scavenger beetle	IICOL5V010	None	None	G2?	S2?	
<i>Juglans hindsii</i> Northern California black walnut	PDJUG02040	None	None	G1	S1	1B.1
<i>Juncus leiospermus var. ahartii</i> Ahart's dwarf rush	PMJUN011L1	None	None	G2T1	S1	1B.2
<i>Lasiurus cinereus</i> hoary bat	AMACC05030	None	None	G5	S4	
<i>Legenere limosa</i> legenere	PDCAM0C010	None	None	G2	S2	1B.1
<i>Lepidium latipes var. heckardii</i> Heckard's pepper-grass	PDBRA1M0K1	None	None	G4T1	S1	1B.2
<i>Lepidurus packardi</i> vernal pool tadpole shrimp	ICBRA10010	Endangered	None	G4	S3S4	
<i>Lilaeopsis masonii</i> Mason's lilaeopsis	PDAPI19030	None	Rare	G2	S2	1B.1
<i>Linderiella occidentalis</i> California linderiella	ICBRA06010	None	None	G2G3	S2S3	



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Melospiza melodia</i> song sparrow ("Modesto" population)	ABPBXA3010	None	None	G5	S3?	SSC
<i>Northern Claypan Vernal Pool</i> Northern Claypan Vernal Pool	CTT44120CA	None	None	G1	S1.1	
<i>Northern Hardpan Vernal Pool</i> Northern Hardpan Vernal Pool	CTT44110CA	None	None	G3	S3.1	
<i>Northern Volcanic Mud Flow Vernal Pool</i> Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	None	None	G1	S1.1	
<i>Nycticorax nycticorax</i> black-crowned night heron	ABNGA11010	None	None	G5	S4	
<i>Oncorhynchus mykiss irideus</i> steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	G5T2Q	S2	
<i>Oncorhynchus tshawytscha</i> chinook salmon - Sacramento River winter-run ESU	AFCHA0205B	Endangered	Endangered	G5	S1	
<i>Oncorhynchus tshawytscha</i> chinook salmon - Central Valley spring-run ESU	AFCHA0205A	Threatened	Threatened	G5	S1	
<i>Orcuttia tenuis</i> slender Orcutt grass	PMPOA4G050	Threatened	Endangered	G2	S2	1B.1
<i>Orcuttia viscida</i> Sacramento Orcutt grass	PMPOA4G070	Endangered	Endangered	G1	S1	1B.1
<i>Phalacrocorax auritus</i> double-crested cormorant	ABNFD01020	None	None	G5	S4	WL
<i>Pogonichthys macrolepidotus</i> Sacramento splittail	AFCJB34020	None	None	GNR	S3	SSC
<i>Progne subis</i> purple martin	ABPAU01010	None	None	G5	S3	SSC
<i>Riparia riparia</i> bank swallow	ABPAU08010	None	Threatened	G5	S2	
<i>Sagittaria sanfordii</i> Sanford's arrowhead	PMALI040Q0	None	None	G3	S3	1B.2
<i>Spea hammondi</i> western spadefoot	AAABF02020	None	None	G3	S3	SSC
<i>Spirinchus thaleichthys</i> longfin smelt	AFCHB03010	Candidate	Threatened	G5	S1	SSC
<i>Symphotrichum lentum</i> Suisun Marsh aster	PDASTE8470	None	None	G2	S2	1B.2
<i>Taxidea taxus</i> American badger	AMAJF04010	None	None	G5	S3	SSC
<i>Thamnophis gigas</i> giant gartersnake	ARADB36150	Threatened	Threatened	G2	S2	
<i>Trifolium hydrophilum</i> saline clover	PDFAB400R5	None	None	G2	S2	1B.2



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Vireo bellii pusillus</i> least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S2	
<i>Xanthocephalus xanthocephalus</i> yellow-headed blackbird	ABPBXB3010	None	None	G5	S3	SSC

Record Count: 62



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Sacramento Fish And Wildlife Office
Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846
Phone: (916) 414-6600 Fax: (916) 414-6713

In Reply Refer To:

June 21, 2017

Consultation Code: 08ESMF00-2017-SLI-2411

Event Code: 08ESMF00-2017-E-06545

Project Name: Sacramento Convention Center Expansion & Renovation Project EIR

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, under the jurisdiction of the U.S. Fish and Wildlife Service (Service) that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the Service under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

Please follow the link below to see if your proposed project has the potential to affect other species or their habitats under the jurisdiction of the National Marine Fisheries Service:

http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to

utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

(916) 414-6600

Project Summary

Consultation Code: 08ESMF00-2017-SLI-2411

Event Code: 08ESMF00-2017-E-06545

Project Name: Sacramento Convention Center Expansion & Renovation Project EIR

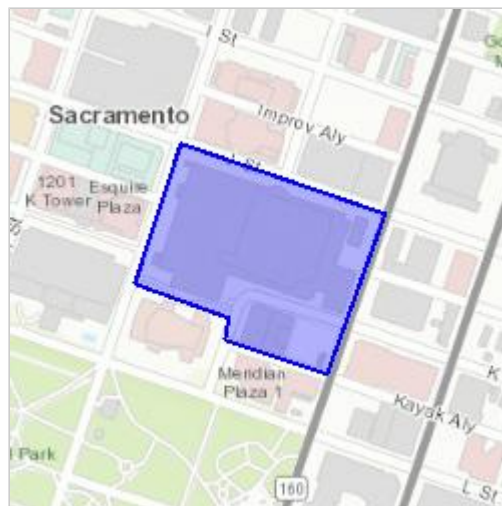
Project Type: DEVELOPMENT

Project Description: Expansion and renovation of existing Sacramento Convention Center.

Project Location:

Approximate location of the project can be viewed in Google Maps:

<https://www.google.com/maps/place/38.57802227258293N121.48824108439429W>



Counties: Sacramento, CA

Endangered Species Act Species

There is a total of 8 threatened, endangered, or candidate species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area. Please contact the designated FWS office if you have questions.

Reptiles

NAME	STATUS
Giant Garter Snake (<i>Thamnophis gigas</i>) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4482	Threatened

Amphibians

NAME	STATUS
California Red-legged Frog (<i>Rana draytonii</i>) There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2891	Threatened
California Tiger Salamander (<i>Ambystoma californiense</i>) Population: U.S.A. (Central CA DPS) There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2076	Threatened

Fishes

NAME	STATUS
Delta Smelt (<i>Hypomesus transpacificus</i>) There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/321	Threatened
Steelhead (<i>Oncorhynchus (=Salmo) mykiss</i>) Population: Northern California DPS There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1007	Threatened

Insects

NAME	STATUS
Valley Elderberry Longhorn Beetle (<i>Desmocerus californicus dimorphus</i>) There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7850	Threatened

Crustaceans

NAME	STATUS
Vernal Pool Fairy Shrimp (<i>Branchinecta lynchi</i>) There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/498	Threatened
Vernal Pool Tadpole Shrimp (<i>Lepidurus packardi</i>) There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2246	Endangered

Critical habitats

There are no critical habitats within your project area.



Plant List

Inventory of Rare and Endangered Plants

20 matches found. *Click on scientific name for details*

Search Criteria

Found in Quads 3812165, 3812164, 3812163, 3812155, 3812154, 3812153, 3812145 3812144 and 3812143;

[Modify Search Criteria](#)
[Export to Excel](#)
[Modify Columns](#)
[Modify Sort](#)
[Display Photos](#)

Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank
Astragalus tener var. ferrisiae	Ferris' milk-vetch	Fabaceae	annual herb	Apr-May	1B.1	S1	G2T1
Carex comosa	bristly sedge	Cyperaceae	perennial rhizomatous herb	May-Sep	2B.1	S2	G5
Centromadia parryi ssp. rudis	Parry's rough tarplant	Asteraceae	annual herb	May-Oct	4.2	S3	G3T3
Cuscuta obtusiflora var. glandulosa	Peruvian dodder	Convolvulaceae	annual vine (parasitic)	Jul-Oct	2B.2	SH	G5T4T5
Downingia pusilla	dwarf downingia	Campanulaceae	annual herb	Mar-May	2B.2	S2	GU
Fritillaria agrestis	stinkbells	Liliaceae	perennial bulbiferous herb	Mar-Jun	4.2	S3	G3
Gratiola heterosepala	Boggs Lake hedge-hyssop	Plantaginaceae	annual herb	Apr-Aug	1B.2	S2	G2
Hesperevax caulescens	hogwallow starfish	Asteraceae	annual herb	Mar-Jun	4.2	S3	G3
Hibiscus lasiocarpus var. occidentalis	woolly rose-mallow	Malvaceae	perennial rhizomatous herb (emergent)	Jun-Sep	1B.2	S3	G5T3
Juglans hindsii	Northern California black walnut	Juglandaceae	perennial deciduous tree	Apr-May	1B.1	S1	G1
Juncus leiospermus var. ahartii	Ahart's dwarf rush	Juncaceae	annual herb	Mar-May	1B.2	S1	G2T1
Legenere limosa	legenere	Campanulaceae	annual herb	Apr-Jun	1B.1	S2	G2
Lepidium latipes var. heckardii	Heckard's pepper-grass	Brassicaceae	annual herb	Mar-May	1B.2	S1	G4T1
Lilaeopsis masonii	Mason's lilaeopsis	Apiaceae	perennial rhizomatous herb	Apr-Nov	1B.1	S2	G2
Navarretia eriocephala	hoary navarretia	Polemoniaceae	annual herb	May-Jun	4.3	S4	G4
		Poaceae	annual herb		1B.1	S2	G2

<u>Orcuttia tenuis</u>	slender Orcutt grass			May-Sep (Oct)			
<u>Orcuttia viscida</u>	Sacramento Orcutt grass	Poaceae	annual herb	Apr-Jul (Sep)	1B.1	S1	G1
<u>Sagittaria sanfordii</u>	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb (emergent)	May-Oct (Nov)	1B.2	S3	G3
<u>Symphyotrichum lentum</u>	Suisun Marsh aster	Asteraceae	perennial rhizomatous herb	(Apr)May-Nov	1B.2	S2	G2
<u>Trifolium hydrophilum</u>	saline clover	Fabaceae	annual herb	Apr-Jun	1B.2	S2	G2

Suggested Citation

California Native Plant Society, Rare Plant Program. 2017. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Website <http://www.rareplants.cnps.org> [accessed 21 June 2017].

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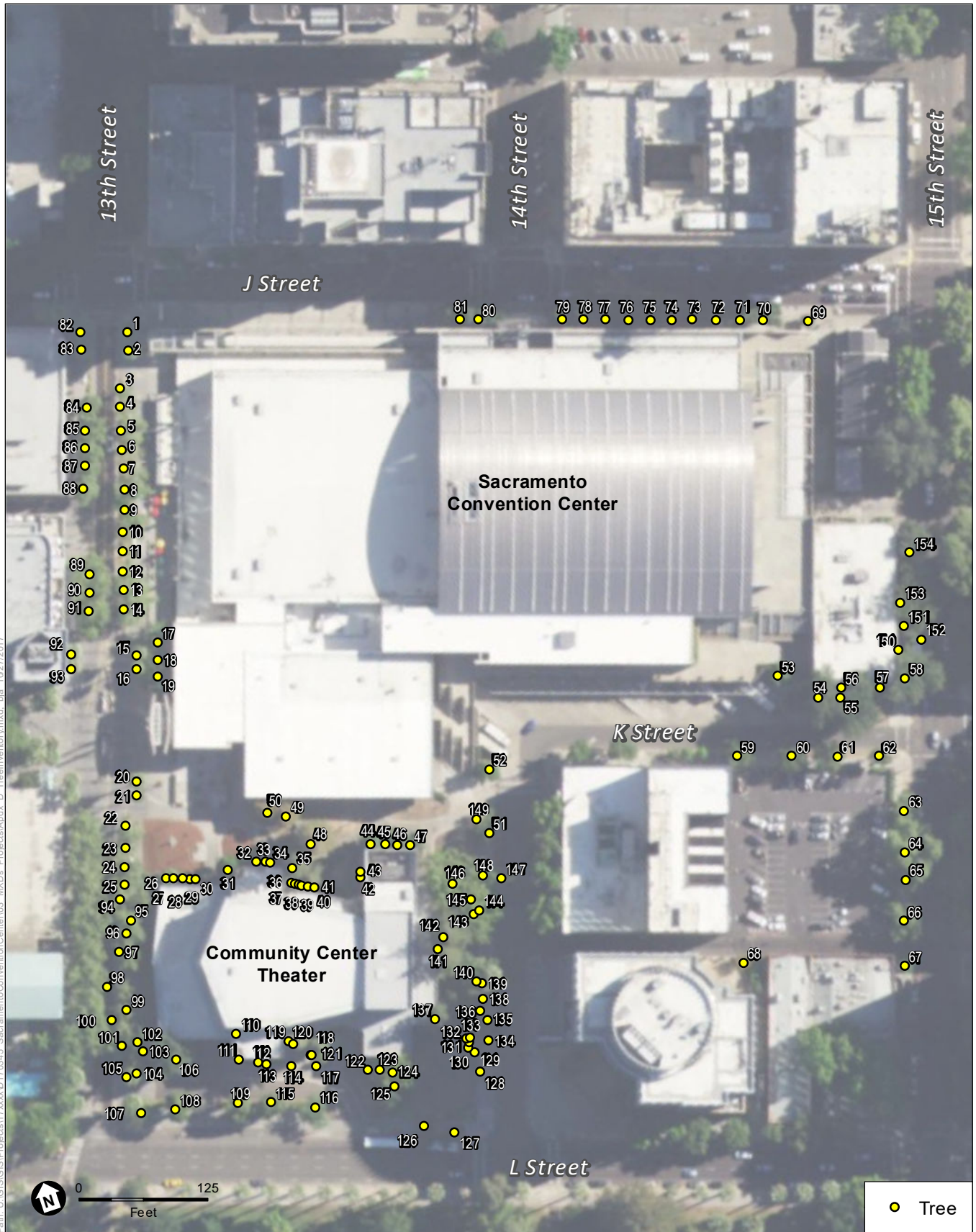
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[The California Lichen Society](#)



Path: U:\GIS\Projects\170945 SacramentoConventionCenter\03_MXD\Projects\Apdx D_TreeInventory.mxd_bia_10/27/2017

SOURCE: Esri, 2015; ESA, 2017

Sacramento Convention Center Expansion EIR

Appendix D
Tree Inventory



Sacramento Convention Center – Tree Table

Tree #	Common Name	Scientific Name	DBH	Dripline Radius (Feet)	Condition
1	Fan palm	<i>Washingtonia</i> sp.	22	10	Good
2	Fan palm	<i>Washingtonia</i> sp.	21	10	Good
3	London planetree	<i>Platanus x acerfolia</i>	6	15	Good
4	London planetree	<i>Platanus x acerfolia</i>	7	20	Good
5	London planetree	<i>Platanus x acerfolia</i>	10	20	Good
6	London planetree	<i>Platanus x acerfolia</i>	8	20	Good
7	London planetree	<i>Platanus x acerfolia</i>	7	20	Good
8	London planetree	<i>Platanus x acerfolia</i>	12	25	Good
9	London planetree	<i>Platanus x acerfolia</i>	25	25	Good
10	London planetree	<i>Platanus x acerfolia</i>	12 (6+3+3)	30	Good
11	London planetree	<i>Platanus x acerfolia</i>	11 (6+3+2)	20	Good
12	London planetree	<i>Platanus x acerfolia</i>	9	20	Good
13	London planetree	<i>Platanus x acerfolia</i>	14	25	Good
14	London planetree	<i>Platanus x acerfolia</i>	18 (4+6+8)	25	Good
15	Fan palm	<i>Washingtonia</i> sp.	15	10	Good
16	Fan palm	<i>Washingtonia</i> sp.	14	10	Good
17	Callery pear	<i>Pyrus calleryana</i>	12	25	Good
18	Callery pear	<i>Pyrus calleryana</i>	13	30	Fair-exposed bark on main trunk
19	Callery pear	<i>Pyrus calleryana</i>	15	30	Good
20	Fan palm	<i>Washingtonia</i> sp.	19	10	Good
21	Fan palm	<i>Washingtonia</i> sp.	15	10	Good
22	London planetree	<i>Platanus x acerfolia</i>	9	20	Good
23	London planetree	<i>Platanus x acerfolia</i>	8	25	Good
24	London planetree	<i>Platanus x acerfolia</i>	8	20	Good
25	London planetree	<i>Platanus x acerfolia</i>	14	25	Good
26	Privet	<i>Ligustrum</i> sp.	10 (2+2+2+3+1)	10	Good
27	Privet	<i>Ligustrum</i> sp.	5 (3+2)	10	Good
28	Privet	<i>Ligustrum</i> sp.	7 (5+2)	10	Good
29	Camellia	<i>Camellia</i> sp.	6 (3 +2+1)	10	Good
30	Camellia	<i>Camellia</i> sp.	8 (5+3)	10	Good
31	Plum pine	<i>Podocarpus</i> sp.	16	25	Good
32	Privet	<i>Ligustrum</i> sp.	7 (2+2+3)	10	Good
33	Privet	<i>Ligustrum</i> sp.	6 (4+2)	10	Good
34	Privet	<i>Ligustrum</i> sp.	6 (3+3)	10	Good
35	Redwood	<i>Sequoia sempervirens</i>	39	20	Good
36	Privet	<i>Ligustrum</i> sp.	7 (2+2+2+1)	10	Good

Tree #	Common Name	Scientific Name	DBH	Dripline Radius (Feet)	Condition
37	Privet	<i>Ligustrum</i> sp.	2	10	Good
38	Privet	<i>Ligustrum</i> sp.	4 (1+3)	10	Good
39	Privet	<i>Ligustrum</i> sp.	7 (2+2+2+1)	10	Good
40	Privet	<i>Ligustrum</i> sp.	4 (1+1+1+1)	10	Good
41	Redwood	<i>Sequoia sempervirens</i>	18	20	Good
42	Chinese holly	<i>Mahonia lomariifolia</i>	6 (1+1+1+1+2)	10	Good
43	Chinese holly	<i>Mahonia lomariifolia</i>	4 (1+1+1+1)	10	Good
44	Plum pine	<i>Podocarpus</i> sp.	12	20	Good
45	Plum pine	<i>Podocarpus</i> sp.	9	20	Good
46	Plum pine	<i>Podocarpus</i> sp.	10	20	Good
47	Plum pine	<i>Podocarpus</i> sp.	12	20	Good
48	Redwood	<i>Sequoia sempervirens</i>	42	25	Dead-dying; no needles on upper 3 quarters of the tree. Although the circumference meets the criteria of a heritage tree, the tree is dead and is not considered in this analysis.
49	Privet	<i>Ligustrum</i> sp.	12	20	Good
50	Privet	<i>Ligustrum</i> sp.	14	20	Good
51	Callery pear	<i>Pyrus calleryana</i>	18	25	Good
52	Pineapple guava	<i>Acca sellowiana</i>	8	15	Good
53	Privet	<i>Ligustrum</i> sp.	8	25	Good
54	Elm	<i>Ulmus</i> sp.	47	40	Good
55	Elm	<i>Ulmus</i> sp.	45	40	Good
56	Japanese maple	<i>Acer palmatum</i>	5 (3+2)	10	Good
57	Japanese maple	<i>Acer palmatum</i>	8	15	Good
58	Elm	<i>Ulmus</i> sp.	47	30	Good
59	Magnolia	<i>Magnolia</i> sp.	18	20	Good
60	Magnolia	<i>Magnolia</i> sp.	17	25	Good
61	Magnolia	<i>Magnolia</i> sp.	16	25	Good
62	Magnolia	<i>Magnolia</i> sp.	12	20	Good
63	London planetree	<i>Platanus x acerfolia</i>	9	20	Good
64	London planetree	<i>Platanus x acerfolia</i>	26	30	Good
65	Privet	<i>Ligustrum</i> sp.	10	30	Good
66	London planetree	<i>Platanus x acerfolia</i>	18	25	Good
67	Privet	<i>Ligustrum</i> sp.	7	10	Good
68	Japanese maple	<i>Acer palmatum</i>	15 (3+4+3+2+1+1+1)	10	Good

Tree #	Common Name	Scientific Name	DBH	Dripline Radius (Feet)	Condition
69	Crepe myrtle	<i>Lagerstroemia</i> sp.	4	10	Good
70	Callery pear	<i>Pyrus calleryana</i>	16	25	Good
71	Callery pear	<i>Pyrus calleryana</i>	17	25	Good
72	Callery pear	<i>Pyrus calleryana</i>	15	25	Good
73	Callery pear	<i>Pyrus calleryana</i>	16	25	Good
74	Callery pear	<i>Pyrus calleryana</i>	16	25	Good
75	Callery pear	<i>Pyrus calleryana</i>	16	25	Good
76	Callery pear	<i>Pyrus calleryana</i>	16	25	Good
77	Callery pear	<i>Pyrus calleryana</i>	14	25	Good
78	Callery pear	<i>Pyrus calleryana</i>	18	25	Good
79	Callery pear	<i>Pyrus calleryana</i>	13	20	Good
80	Callery pear	<i>Pyrus calleryana</i>	17	20	Good
81	Callery pear	<i>Pyrus calleryana</i>	17	20	Good
82	Fan palm	<i>Washingtonia</i> sp.	25	10	Good
83	Fan palm	<i>Washingtonia</i> sp.	26	10	Good
84	London planetree	<i>Platanus x acerfolia</i>	9	20	Good
85	London planetree	<i>Platanus x acerfolia</i>	13	25	Good
86	London planetree	<i>Platanus x acerfolia</i>	10	25	Fair-callus
87	London planetree	<i>Platanus x acerfolia</i>	11	20	Good
88	London planetree	<i>Platanus x acerfolia</i>	11	25	Good
89	London planetree	<i>Platanus x acerfolia</i>	11	20	Good
90	London planetree	<i>Platanus x acerfolia</i>	13	20	Good
91	London planetree	<i>Platanus x acerfolia</i>	13	25	Good
92	Fan palm	<i>Washingtonia</i> sp.	23	10	Good
93	Fan palm	<i>Washingtonia</i> sp.	19	10	Good
94	London planetree	<i>Platanus x acerfolia</i>	14	25	Good
95	London planetree	<i>Platanus x acerfolia</i>	7	20	Good-lean
96	London planetree	<i>Platanus x acerfolia</i>	9	20	Good
97	London planetree	<i>Platanus x acerfolia</i>	10	25	Good
98	London planetree	<i>Platanus x acerfolia</i>	7	20	Good
99	London planetree	<i>Platanus x acerfolia</i>	7	15	Good
100	London planetree	<i>Platanus x acerfolia</i>	6	15	Good
101	London planetree	<i>Platanus x acerfolia</i>	5	20	Good
102	Callery pear	<i>Pyrus calleryana</i>	12	20	Good
103	Callery pear	<i>Pyrus calleryana</i>	9	20	Good
104	Callery pear	<i>Pyrus calleryana</i>	5	10	Good
105	Fan palm	<i>Washingtonia</i> sp.	20	5	Good
106	Cork oak	<i>Quercus suber</i>	27	33	Good

Tree #	Common Name	Scientific Name	DBH	Dripline Radius (Feet)	Condition
107	Pistache	<i>Pistacia sp.</i>	13	25	Fair-exposed bark
108	Privet	<i>Ligustrum sp.</i>	17	20	Good-lean
109	Privet	<i>Ligustrum sp.</i>	15	20	Good-lean
110	Crepe myrtle	<i>Lagerstroemia sp.</i>	3 (2+1)	5	Good
111	Crepe myrtle	<i>Lagerstroemia sp.</i>	3	5	Good
112	Privet	<i>Ligustrum sp.</i>	2	5	Fair-lean
113	Crepe myrtle	<i>Lagerstroemia sp.</i>	2	5	Good
114	Crepe myrtle	<i>Lagerstroemia sp.</i>	2	5	Good
115	Privet	<i>Ligustrum sp.</i>	17	20	Good
116	Pistache	<i>Pistacia sp.</i>	16	20	Good
117	Crepe myrtle	<i>Lagerstroemia sp.</i>	3	5	Good
118	Crepe myrtle	<i>Lagerstroemia sp.</i>	2	5	Good
119	Chinese holly	<i>Mahonia lomariifolia</i>	8 (1+1+1+2+2+1)	5	Good
120	Redwood	<i>Sequoia sempervirens</i>	21	15	Good
121	Redwood	<i>Sequoia sempervirens</i>	30	20	Good
122	Chinese holly	<i>Mahonia lomariifolia</i>	8 (3+1+1+2+1)	5	Good
123	Chinese holly	<i>Mahonia lomariifolia</i>	9 (2+1+1+1+1+2+1)	5	Good
124	Callery pear	<i>Pyrus calleryana</i>	27	30	Good-included bark
125	Pistache	<i>Pistacia sp.</i>	14	30	Good
126	Callery pear	<i>Pyrus calleryana</i>	13	20	Good
127	Callery pear	<i>Pyrus calleryana</i>	14	20	Good
128	Fan palm	<i>Washingtonia sp.</i>	34	5	Good
129	Pine	<i>Pinus sp.</i>	25 (4+4+5+3+3+2+2+2)	5	Good
130	Pine	<i>Pinus sp.</i>	8 (2+2+1+1+1+1)	5	Good
131	Pine	<i>Pinus sp.</i>	5 (1+1+1+1+1)	5	Good
132	Pine	<i>Pinus sp.</i>	3 (2+1)	5	Good
133	Pine	<i>Pinus sp.</i>	3 (1+1+1)	5	Good
134	Fan palm	<i>Washingtonia sp.</i>	18	5	Good
135	Fan palm	<i>Washingtonia sp.</i>	34	5	Good
136	Cork oak	<i>Quercus suber</i>	32	30	Good
137	Redwood	<i>Sequoia sempervirens</i>	32	20	Fair
138	Fan palm	<i>Washingtonia sp.</i>	33	5	Good
139	Fan palm	<i>Washingtonia sp.</i>	34	5	Fair-exposed cambium
140	Cork oak	<i>Quercus suber</i>	30	30	Good
141	Redwood	<i>Sequoia sempervirens</i>	46	25	Fair
142	Redwood	<i>Sequoia sempervirens</i>	41	25	Fair
143	Callery pear	<i>Pyrus calleryana</i>	16	20	Good
144	Callery pear	<i>Pyrus calleryana</i>	16	20	Good

Tree #	Common Name	Scientific Name	DBH	Dripline Radius (Feet)	Condition
145	Callery pear	<i>Pyrus calleryana</i>	23	30	Good
146	Privet	<i>Ligustrum sp.</i>	11 (6+5)	10	Good
147	Callery pear	<i>Pyrus calleryana</i>	21	20	Good
148	Cork oak	<i>Quercus suber</i>	19	30	Good
149	Cork oak	<i>Quercus suber</i>	18	25	Good
150	Callery pear	<i>Pyrus calleryana</i>	15	15	Good
151	Japanese maple	<i>Acer palmatum</i>	6 (2+3+1)	10	Good
152	Common hackberry	<i>Celtis occidentalis</i>	9	20	Good
153	Elm	<i>Ulmus sp.</i>	24	25	Good
154	Common hackberry	<i>Celtis occidentalis</i>	19	25	Good

Appendix E

Cultural Resources Data

CITY OF SACRAMENTO DOWNTOWN SPECIFIC PLAN

Cultural Resources Survey and Inventory Report

Prepared for
City of Sacramento

June 2017



CITY OF SACRAMENTO DOWNTOWN SPECIFIC PLAN

Cultural Resources Survey and Inventory Report

Prepared for
City of Sacramento

June 2017

Author:

Amber Grady, M.A.
Kathy Anderson, M.A.
Robin Hoffman, M.A., RPA

Project Site Location:

U.S.G.S. Quadrangles: Sacramento East, CA; Sacramento West, CA

Acreage:

2,976.7 acres

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NADB REPORT CITATION

Author(s): Grady, Amber, Kathy Anderson, and Robin Hoffman

Year: 2017 (June)

Title: City of Sacramento Downtown Specific Plan Cultural Resources Survey and Inventory Report

Type: Unpublished report

Organization: Environmental Science Associates (ESA)

State: California

County: Sacramento

Town: Sacramento

Work Type: Special Planning/Management Study; Historical Resource Study; Archaeological Overview and Assessment; Field Reconnaissance, Sampling

Keyword(s): Sacramento; architectural resources; archaeological resources; specific plan; desktop analysis; minimal field survey

Federal Agency: none

Local Agency: City of Sacramento

Acreage: 2,976.7 acres, none surveyed for archaeological resources, all Opportunity Sites surveyed for architectural resources

STATEMENT OF CONFIDENTIALITY

The confidential version of this report identifies the locations of cultural resources in the City of Sacramento Downtown Specific Plan area, in the City of Sacramento, California in Appendix C. The confidential version is labeled on the cover, title page, and headers. Disclosure of this information to the public may be in violation of both federal and state laws. Such applicable federal regulations include, but may not be limited to, Section 304 of the National Historic Preservation Act (54 United States Code [U.S.C.] 307103) and the Archaeological Resources Protection Act (16 U.S.C. Section 470h). Applicable state regulations include, but may not be limited to, Government Code Section 6250 et seq. and Section 6254 et seq. Disclosure of site location information to individuals other than those meeting the U.S. Secretary of the Interior's professional standards or the California State Personnel Board criteria for Associate State Archaeologist or State Historian II violates the California Office of Historic Preservation records access policy.

EXECUTIVE SUMMARY

This Cultural Resources Survey and Inventory Report (CRSIR) documents the methods and results of a cultural resources inventory completed for the City of Sacramento Downtown Specific Plan (hereafter DSP or Project), in the City of Sacramento, California. The DSP is a key program to implementing the Downtown Housing Initiative Plan, an initiative to develop 10,000 places to live in downtown Sacramento. The Downtown Housing Initiative proposes to increase population density to a level that can sustain and attract additional investments such as hotel, grocery and retail establishments. Therefore, the Project is subject to the California Environmental Quality Act (CEQA). The CRSIR will be used as supporting technical documentation for the environmental analysis that is required under CEQA to analyze potential environmental impacts from the DSP.

Environmental Science Associates (ESA) was retained to conduct a cultural resources inventory for the Project with work focused on the Opportunity Sites (see Figures 1 and 2 in the text below as well as Figures 1a-1d in Appendix A). The work performed by ESA in preparation of this CRSIR consisted of background and archival research, including records searches of the California Historical Resources Information System (CHRIS); archival research at the Sacramento Room of the Main Library and the Center for Sacramento History as well as various online sources; correspondence with the California Native American Heritage Commission (NAHC); and a desktop archaeological sensitivity analysis. ESA contacted the NAHC in request of a search of the NAHC's Sacred Lands File (SLF) and a list of Native American representatives who may have interest in the Project. The City sent letters to these contacts on February 9, 2017 providing information on the Project and inquiring into whether the contacts have any concerns regarding potential impacts to cultural resources that could result. The letters were received by the tribes on February 13, 2017. The United Auburn Indian Community (UAIC) was the only tribe to respond. Representatives of the UAIC and the City met on April 24, 2017. Additional consultation between the City and Native American representatives is ongoing. The City has asked ESA to evaluate resources for inclusion in the National Register of Historic Places (National Register), California Register of Historical Resources (California Register), and local listing.

The NCIC indicates that there are 1,225 previously recorded cultural resources in the Project Area, 26 of which are archaeological resources, 1,197 of which are architectural resources, one (P-34-002358) of which has both archaeological and architectural components, and one (P-34-003880) of which is the former location of the China Slough/Sutter's Lake but does not have archaeological or architectural components. Due to their confidential nature, details on the locations of previously recorded archaeological resources are not provided in the following sections. However, such details are provided in **Appendix C** of the confidential version of this document. In addition to previously recorded archaeological resources within the Opportunity

Sites themselves, 29 of the Opportunity Sites are within 200 feet of previously recorded archaeological resources.

There are 259 parcels on the 89 Opportunity Sites within the DSP. ESA Architectural Historians performed preliminary survey and research to identify those Opportunity Sites that included historic-age (45 years old or older) buildings and structures. There are three listed City Landmarks on three of the DSP Opportunity Sites; the Thomas Jefferson Elementary School (1619 N Street, Opportunity Site #42), the Marshall Elementary School (2718 G Street, Opportunity Site #50), and 1026 R Street (Opportunity Site #97). Opportunity Sites are located within four City of Sacramento historic districts; the 1200-1300 Q Street, R Street, Memorial Auditorium, and Alkali Flat West historic districts. 1800 23rd Street (Opportunity Site #15) was previously recommended eligible as a Local Landmark, but is not currently listed. There are 169 vacant parcels within the 89 Opportunity Sites. Vacant parcels for our purposes include no buildings or structures and are either bare dirt or paved for surface parking lots. There are 72 historic-age buildings and structures and eight buildings and structures that are not historic age. The City then identified six historic-age buildings (1800 24th Street, 1800 23rd Street, 1730 14th Street, 915 R Street, 1724 10th Street, and 1720 8th Street) on four Opportunity Sites (#14, 24, 28, and 31) for full evaluation for the National Register, California Register, and local listing. Basic parcel information as well as descriptions of each of the Opportunity Sites are provided in the text below as well as in Table 2, Appendix D.

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ACRONYMS

AB	Assembly Bill
BP	before present
California Register	California Register of Historical Resources
CEQA	California Environmental Quality Act
CHRIS	California Historical Resources Information System
CRSIR	Cultural Resources Survey and Inventory Report
DSP	Sacramento Downtown Specific Plan
ESA	Environmental Science Associates
HSC	California Health and Safety Code
NAHC	California Native American Heritage Commission
National Register	National Register of Historic Places
NCIC	North Central Information Center
NHPA	National Historic Preservation Act of 1966
PRC	Public Resources Code
RPA	Registered Professional Archaeologist
SB	Senate Bill
sf	square foot
SLF	Sacred Lands File
SVRR	Sacramento Valley Railroad
UAIC	United Auburn Indian Community
U.S.C.	United States Code

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CHAPTER 1

Introduction

This Cultural Resources Survey and Inventory Report (CRSIR) documents the methods and results of a cultural resources inventory completed for the City of Sacramento Downtown Specific Plan (hereafter DSP or Project), in the City of Sacramento, Sacramento County, California (**Figure 1** in **Appendix A**). The DSP is a key program to implementing the Downtown Housing Initiative Plan, an initiative to develop 10,000 places to live in downtown Sacramento. The Downtown Housing Initiative proposes to increase population density to a level that can sustain and attract additional investments such as hotel, grocery and retail establishments. The Project is subject to the California Environmental Quality Act (CEQA).

The purpose of this study, in accordance with CEQA, was to:

- Identify potential or documented cultural resources within the Opportunity Sites;
- Identify potential effects to identified cultural resources; and,
- Recommend further procedures to be taken to avoid potential significant impacts to identified cultural resources.

The work performed for preparation of this CRSIR consisted of background and archival research, including records searches of the California Historical Resources Information System (CHRIS); archival research at the Sacramento Room of the Main Library and the Center for Sacramento History as well as various online sources; correspondence with the California Native American Heritage Commission (NAHC); and a desktop archaeological sensitivity analysis.

ESA personnel involved in the preparation of this report include Robin Hoffman, MA, Registered Professional Archaeologist (RPA), Amber Grady, MA, Johanna Kahn, MA, and Kathy Anderson, MA. **Appendix B** includes the authors' resumes.

Project Location

The Project is located within portions of the New Helvetia Land Grant (Unsectioned), as depicted on the Sacramento East and Sacramento West, California U.S. Geological Survey 7.5-minute quadrangle maps (**Figure 2**, Appendix A). Generally, the Project Area is bound by the American River to the north, the Sacramento River to the west, the properties on the south side of Broadway, and Business 80 to the east.

Project Description

On August 25, 2015 the Sacramento City Council initiated the DSP, which will be a key program to implement the Downtown Housing Initiative Plan, an initiative to develop 10,000 places to live in downtown Sacramento. The DSP is intended to incorporate technical analyses, surveys, design standards, land use, public improvements and information related to environmental and historical regulatory items that may affect development in the DSP area. The Downtown Housing Initiative proposes to increase population density to a level that can sustain and attract additional investments such as hotel, grocery and retail establishments. It also recommends mixed income and multi-modal friendly residences to meet a diverse range of housing needs. The proposed DSP responds to the Downtown Housing Initiative by including land use regulations and policies designed to streamline the housing development process and identify necessary public improvements to support new housing development.

Project Area

The term *Project Area* is defined in this document as the geographic area or areas within which the Project may directly or indirectly cause alterations in the character or use of historical resources or tribal cultural resources, if any exist. The Project Area includes 89 Opportunity Sites identified by the City. Many of the Opportunity Sites include multiple parcels; a total of 259 parcels are included in the 89 Opportunity Sites. An Opportunity Site is an area that the City has identified for possible future housing development using a variety of factors. Due to the nature of the Project is a specific plan or planning document, details on any depths of ground disturbance are unknown at this time. Therefore, this document assumes that Project-related ground-disturbing activities could occur at any location in the Project Area with an emphasis on the Opportunity Sites. The Project Area encompasses 2,976.7 acres, including all areas of proposed Project ground disturbance/modification, including temporary construction-related impacts, as depicted in **Figure 3** in Appendix A.

CHAPTER 2

Regulatory Framework

Federal

Historic properties are protected through the National Historic Preservation Act of 1966 (NHPA), as amended, (16 USC § 470f) and its implementing regulations (16 USC § 470 et seq., 36 CFR § 800, 36 CFR § 60, and 36 CFR § 63). The NHPA establishes the federal government’s policy on historic preservation and the programs, including the National Register of Historic Places (National Register), through which that policy is implemented. Under the NHPA, historic properties include “any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places” (16 USC § 470w [5]). Because implementation of the Project may include federal funding the City has asked ESA to evaluate the architectural resources for inclusion in the National Register.

Under NHPA, a find is significant if it meets the National Register listing criteria at 36 CFR § 60.4, as stated below:

The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- A. That are associated with events that have made a significant contribution to the broad patterns of our history, or
- B. That are associated with the lives of persons significant in our past, or
- C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction, or
- D. That have yielded, or may be likely to yield, information important in prehistory or history.

The American Indian Religious Freedom Act of 1978 protects access to sites of religious importance to Native Americans.

State

California Environmental Quality Act

CEQA (codified at Public Resources Code [PRC] § 21000 et seq.) is the principal statute governing environmental review of projects occurring in the State. CEQA requires lead agencies to determine if a project would have a significant effect on historical resources, unique archaeological resources, or tribal cultural resources.

Historical Resources

CEQA Guidelines recognize that a historical resource includes: (1) a resource in the California Register of Historical Resources (California Register); (2) a resource included in a local register of historical resources, as defined in PRC § 5020.1(k) or identified as significant in a historical resource survey meeting the requirements of PRC § 5024.1(g); and (3) any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California by the lead agency, provided the lead agency's determination is supported by substantial evidence in light of the whole record.

If a lead agency determines that an archaeological site is a historical resource, the provisions of CEQA § 21084.1 and *CEQA Guidelines* § 15064.5 apply. If an archaeological site does not meet the criteria for a historical resource contained in the *CEQA Guidelines*, then the site may be treated in accordance with the provisions of CEQA § 21083.2, pertaining to unique archaeological resources.

Unique Archaeological Resources

As defined in CEQA § 21083.2 a “unique archaeological resource” is an archaeological artifact, object, or site, about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

- Contains information needed to answer important scientific research questions and there is a demonstrable public interest in that information;
- Has a special and particular quality such as being the oldest of its type or the best available example of its type; or,
- Is directly associated with a scientifically recognized important prehistoric or historic event or person.

CEQA Guidelines note that if an archaeological resource is not a unique archaeological, historical resource, or tribal cultural resource, the effects of the project on those cultural resources shall not be considered a significant effect on the environment (*CEQA Guidelines* § 15064.5[c][4]).

Tribal Cultural Resources

Impacts to tribal cultural resources also are considered under CEQA (PRC § 21084.2). PRC § 21074(a) defines a tribal cultural resource as any of the following:

- Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
 - included or determined to be eligible for inclusion in the California Register; or
 - included in a local register of historical resources, as defined in PRC § 5020.1(k).
- A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of [PRC] § 5024.1. In applying these criteria, the lead agency would consider the significance of the resource to a California Native American tribe.

Per PRC § 21074(a)(c), a historical resource, unique archaeological resource, or nonunique archaeological resource may also be a tribal cultural resource if it is included or determined eligible for the California Register or included in a local register of historical resources.

California Register of Historical Resources

The California Register is “an authoritative listing and guide to be used by State and local agencies, private groups, and citizens in identifying the existing historical resources of the State and to indicate which resources deserve to be protected, to the extent prudent and feasible, from substantial adverse change” (PRC § 5024.1[a]). The criteria for eligibility for the California Register are based upon criteria for listing in the National Register of Historic Places (National Register) (PRC § 5024.1[b]). Certain resources are determined by the statute to be automatically included in the California Register, including California properties formally determined eligible for, or listed in, the National Register.

To be eligible for the California Register, a cultural resource must be significant at the local, State, and/or federal level under one or more of the following four criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California’s history and cultural heritage;
2. Is associated with the lives of persons important in our past;
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
4. Has yielded, or may be likely to yield, information important in prehistory or history.

A resource eligible for the California Register must be of sufficient age, and retain enough of its historic character or appearance (integrity) to convey the reason for its significance.

Additionally, the California Register consists of resources that are listed automatically and those that must be nominated through an application and public hearing process. The California Register automatically includes the following:

- California properties listed on the National Register and those formally Determined Eligible for the National Register;
- California Registered Historical Landmarks from No. 770 onward; and
- Those California Points of Historical Interest that have been evaluated by the OHP and have been recommended to the State Historical Commission for inclusion on the California Register.

Other resources that may be nominated to the California Register include:

- Historical resources with a significance rating of Category 3 through 5 (those properties identified as eligible for listing in the National Register, the California Register, and/or a local jurisdiction register);
- Individual historic resources;
- Historic resources contributing to historic districts; and
- Historic resources designated or listed as local landmarks, or designated under any local ordinance, such as an historic preservation overlay zone.

California PRC § 5097.99

California PRC § 5097.99, as amended, states that no person shall obtain or possess any Native American artifacts or human remains which are taken from a Native American grave or cairn. Any person who knowingly or willfully obtains or possesses any such artifacts or human remains is guilty of a felony which is punishable by imprisonment. Any person who removes, without authority of law, any such items with intent to sell or dissect or with malice or wantonness is also guilty of a felony which is punishable by imprisonment.

California Native American Historic Resource Protection Act

The California Native American Historic Resources Protection Act of 2002 (codified in PRC § 5097.995 *et seq.*, imposes civil penalties, including imprisonment and fines up to \$50,000 per violation, for persons who unlawfully and maliciously excavates upon, removes, destroys, injures, or defaces a Native American historic, cultural, or sacred site that is listed or may be listed in the California Register.

California Health and Safety Code § 7050.5 and 7052

California Health and Safety Code (HSC) § 7050.5 protects human remains by prohibiting the disinterring, disturbing, or removing of human remains from any location other than a dedicated cemetery. PRC § 5097.98 (and reiterated in CEQA Guidelines § 15064.59 [e]) also identifies steps to follow in the event of the accidental discovery or recognition of any human remains in

any location other than a dedicated cemetery. HSC § 7052 states that the disturbance of Native American, or any other, human remains is a felony, unless the disturbance has been lawfully authorized.

Assembly Bill 52

In September of 2014, the California Legislature passed Assembly Bill (AB) 52 (Gatto, 2014), which added provisions to the PRC regarding the evaluation of impacts on tribal cultural resources under CEQA, and consultation requirements with California Native American tribes. In particular, AB 52 requires lead agencies to analyze project impacts on “tribal cultural resources,” separately from archaeological resources (PRC § 21074 and 21083.09), in recognition that archaeological resources have cultural values beyond their ability to yield data important to prehistory or history. AB 52 also defines “tribal cultural resources” in a new section of the PRC Section 21074 (see tribal cultural resources discussion, above), and requires lead agencies to engage in additional consultation procedures with respect to California Native American tribes (PRC § 21080.3.1, 21080.3.2, 21082.3). The provisions of AB 52 apply to projects that have a notice of preparation or notice of negative declaration/mitigated negative declaration filed on or after July 1, 2015. As such, AB 52 applies to the Project. This requirement will also apply to future projects where site-specific CEQA review is necessary.

Senate Bill 18

Senate Bill (SB) 18 (Burton, 2004) requires cities and counties to notify and consult with California Native American tribes about proposed local land use planning decisions for the preservation of, or the mitigation of impacts to, specified Native American places, features, and objects. SB 18 applies only to the adoption or substantial amendment of general plans and specific plans, and requires that the lead CEQA agency consult with California Native American tribes that are on the NAHC contact list and have traditional lands located within the agency’s jurisdiction. Though predating AB 52, the requirements of SB 18 can be seen as similar to those of AB 52, in that they aim to allow California Native American tribes the opportunity to consult on potential project impacts to tribal cultural resources.

Local

City of Sacramento 2035 General Plan

The City’s 2035 General Plan’s Historic and Cultural Resources Element includes goals and policies relating to the identification and preservation of its historic resources. The following goals and policies from the 2035 General Plan are relevant to cultural resources in regard to the AWMP.

Goal HCR 2.1

Identification and Preservation of Historic and Cultural Resources. Identify and preserve the city’s historic and cultural resources to enrich our sense of place and our understanding of the city’s prehistory and history.

Policies

HCR 2.1.1 Identification

The City shall identify historic and cultural resources, including individual properties, districts, and sites (e.g., archaeological sites) to ensure adequate protection of these resources. (PSR)

HCR 2.1.2 Applicable Laws and Regulations

The City shall ensure compliance with City, State, and Federal historic preservation laws, regulations, and codes to protect and assist in the preservation of historic and archaeological resources, including the use of the California Historical Building Code as applicable. Unless listed in the Sacramento, California, or National registers, the City shall require discretionary projects involving resources 50 years and older to evaluate their eligibility for inclusion on the California or Sacramento registers for compliance with CEQA. (RDR)

HCR 2.1.3 Consultation

The City shall consult with appropriate organizations and individuals (e.g., [CHRIS] Information Centers, the [NAHC], the CA Office of Planning and Research (OPR) “Tribal Consultation Guidelines”, etc.) and shall establish a public outreach policy to minimize potential impacts to historic and cultural resources. (IGC/JP)

HCR 2.1.11 Compatibility with Historic Context

The City shall review proposed new development, alterations, and rehabilitation/remodels for compatibility with the surrounding historic context. The City shall pay special attention to the scale, massing, and relationship of proposed new development to surrounding historic resources. (RDR)

HCR 2.1.12 Contextual Features

The City shall promote the preservation, rehabilitation, restoration, and/or reconstruction, as appropriate, of contextual features (e.g., structures, landscapes, street lamps, signs) related to historic resources. (RDR)

HCR 2.1.15 Demolition

The City shall consider demolition of historic resources as a last resort, to be permitted only if rehabilitation of the resource is not feasible, demolition is necessary to protect the health, safety, and welfare of its residents, or the public benefits outweigh the loss of the historic resource. (RDR)

HCR 2.1.16 Archaeological & Cultural Resources

The City shall develop or ensure compliance with protocols that protect or mitigate impacts to archaeological and cultural resources including prehistoric resources. (RDR)

City of Sacramento Historic Preservation Program

The City’s historic preservation program began in 1975 with the enactment of the City’s first historic preservation ordinance. Amendments to the original preservation ordinance, under ordinance No. 2006-063 were enacted in October 2006, amending the Historic Preservation Chapter 17.134 of Title 17 of the Sacramento City Code. On September 30, 2013, these sections of the code, under Chapter 17.134, related to historic preservation were included in a comprehensive update of Title 17, under its new “Planning & Development Code” name, formerly known as the Zoning Code. Under the new Title 17, the substance of the preservation sections was generally not materially changed, and changes related to procedure were also relatively minor. The new section of Title 17 related to eligibility criteria for historic resources is 17.604.210. Other preservation related matters are found under Chapter 17.604 or other sections of Title 17.

The City Code provides for the compilation of the ordinances adopting designations and deletions of Landmarks, Contributing Resources and Historic Districts into the Sacramento Register of Historic & Cultural Resources.

Landmark Eligibility Criteria (17.604.210[A])

A nominated resource shall be listed on the Sacramento register as a landmark if the city council finds, after holding the hearing required by this chapter, that all of the requirements set forth below are satisfied:

1. Requirements.
 - a. The nominated resource meets one or more of the following criteria:
 - i. It is associated with events that have made a significant contribution to the broad patterns of the history of the city, the region, the state or the nation;
 - ii. It is associated with the lives of persons significant in the city’s past;
 - iii. It embodies the distinctive characteristics of a type, period or method of construction;
 - iv. It represents the work of an important creative individual or master;
 - v. It possesses high artistic values; or
 - vi. It has yielded, or may be likely to yield, information important in the prehistory or history of the city, the region, the state or the nation;
 - b. The nominated resource has integrity of location, design, setting, materials, workmanship and association. Integrity shall be judged with reference to the particular criterion or criteria specified in subsection A.1.a of this section;
 - c. The nominated resource has significant historic or architectural worth, and its designation as a landmark is reasonable, appropriate and necessary to promote, protect and further the goals and purposes of this chapter.

2. Factors to be considered. In determining whether to list a nominated resource on the Sacramento register as a landmark, the factors below shall be considered.
 - a. A structure removed from its original location is eligible if it is significant primarily for its architectural value or it is the most important surviving structure associated with a historic person or event.
 - b. A birthplace or grave is eligible if it is that of a historical figure of outstanding importance and there is no other appropriate site or structure directly associated with his or her productive life.
 - c. A reconstructed building is eligible if the reconstruction is historically accurate, if the structure is presented in a dignified manner as part of a restoration master plan, and if no other original structure survives that has the same association.
 - d. Properties that are primarily commemorative in intent are eligible if design, age, tradition, or symbolic value invests such properties with their own historical significance.
 - e. Properties achieving significance within the past 50 years are eligible if such properties are of exceptional importance.

Historic District Eligibility Criteria (17.604.210 [B])

A geographic area nominated as a historic district shall be listed on the Sacramento register as a historic district if the city council finds, after holding the hearing required by this chapter, that all of the requirements set forth below are satisfied:

1. Requirements.
 - a. The area is a geographically definable area; or
 - b. The area possesses either:
 - i. A significant concentration or continuity of buildings unified by: (A) past events or (B) aesthetically by plan or physical development; or
 - ii. The area is associated with an event, person, or period significant or important to city history; or
 - c. The designation of the geographic area as a historic district is reasonable, appropriate and necessary to protect, promote and further the goals and purposes of this chapter and is not inconsistent with other goals and policies of the city.
2. Factors to be considered. In determining whether to list a geographic area on the Sacramento register as a historic district, the following factors shall be considered:
 - a. A historic district should have integrity of design, setting, materials, workmanship and association;
 - b. The collective historic value of the buildings and structures in a historic district taken together may be greater than the historic value of each individual building or structure.

CHAPTER 3

Background Setting

Natural Setting

The Project is located in the southern portion of the Sacramento Valley within the northern portion of California's Great Valley Geomorphic Province. The Great Valley, also called the Central Valley, is a nearly flat alluvial plain that lies between the Sierra Nevada on the east and the Coast Ranges on the west. Its south end is defined by the Tehachapi Mountains north of Los Angeles, and its north end is defined by the Klamath Mountains. Subdivided into the Sacramento Valley to the north and the San Joaquin Valley to the south, the Great Valley has an average width of about 80 kilometers and is about 650 kilometers long overall (Norris and Webb, 1990:412–417; Bartow, 1991:1). The Sacramento Valley contains thousands of meters of accumulated fluvial, overbank, and fan deposits resulting from erosion of the surrounding ranges (Hackel, 1966). The sediments vary from a thin veneer at the edges of the valley to more than 15 kilometers in the west-central portion. The Sacramento River is the main drainage of the northern Sacramento Valley, flowing generally south from the Klamath Mountains to its discharge point into the Suisun Bay in the San Francisco Bay area, and is California's largest watershed, covering 68,760 square kilometers (Carle, 2004). In the Sacramento area, the Sacramento and American Rivers have been confined by human-made levees since the mid-19th century, such as those along the American River just north of the APE.

The Project Area is in the relatively flat floodplains of the American and Sacramento Rivers. The underlying geology of the Project Area consists of deep Holocene and historic-period/modern alluvium (Great Valley stream channel, fan, and basin deposits) with some wind-blown "dune" deposits (California Division of Mines and Geology, 1971; Meyer and Rosenthal, 2008:Fig. 47, 50). Soils in the Project Area consist of a variety of sandy and silty loams (alluvium) mixed with historic-period and modern fill (USDA, 2016).

The Holocene environment of the region was characterized by a general warming trend that subsumed episodes of relatively cool climates. Most paleoclimatic reconstructions for the Central Valley are based on Ernst Antevs' (1948, 1953, 1955) three-part global climatic sequence. The sequence spans the Holocene, consisting of the moderately cool/moist Anathermal (ca. 10000 to 7500 years before present [BP]), the warm and dry Altithermal (ca. 7500 to 4000 BP), and the Medithermal (ca. 4000 BP to present). Tree-ring growth chronologies from central eastern California, glacial chronologies, and pollen cores generally corroborate Antevs' sequence, with the caveat that California's Holocene environment exhibited regional variation (Birkeland et al., 1976; Birman, 1964; Curry, 1969; Curry, 1970; Moratto et al., 1978; Šercelj and Adam, 1975). Pollen diagrams from the Lake Tahoe and Yosemite areas indicate a vegetation shift that suggests

a general increase in temperature from 9000 to 2900 BP, although six relatively cool and moist periods, each lasting 400 to 1500 years, punctuated the general warm and dry trend (Moratto et al., 1978:150–151). Modern average temperatures range between 13.3 and 16.7 degrees Celsius annually. Most precipitation occurs as rain, ranging from 12.7 to 63.5 centimeters per year.

Prior to historic-period and modern development, the Project Area would have consisted of non-tidal marshland, broad gallery forests, and open grassland (Meyer and Rosenthal, 2008:34-35). Common marsh flora species would have included: tule rush, bull rush, cattails, sedges, other rushes, reeds, pondweed, knotweed, and yellow pond lily; adjacent forest flora species would have included: willow, buttonbush, California sycamore, Fremont's cottonwood, Oregon ash, black walnut, box elder, valley oak, white alder, California buckeye, big leaf maple, elderberry, grape vine, blackberry, and poison oak; and grassland flora would have been comprised of: purple needlegrass, nodding needlegrass, blue wild rye, pine bluegrass, and deergrass (Meyer and Rosenthal, 2008:34-35; Heady, 1977). Large populations of tule elk, pronghorn, black-tailed deer would have been found in the APE and vicinity prior to Euroamerican settlement. Other prominent terrestrial fauna in the area would have included: grizzly bear, puma, gray fox, bobcat, coyote, badger, spotted skunk, striped skunk, beaver, weasel, river otter, raccoon, ringtail, cottontail rabbit. The main avian species in the area would have included: ducks, coot, cormorant, grebes, herons, cranes, egrets, gulls, geese, brants, swans, hawks, eagles, doves, quail, flicker, woodpeckers, owls, turkey vulture, and a number of passerines. Chinook salmon, white and green sturgeon, Pacific lamprey, steelhead rainbow trout, Sacramento sucker, western pike-minnow, sculpins, tule perch, pond turtle, freshwater mussel, and ridged mussel constitute the aquatic fauna that would have been present in the APE prehistorically. The arrival of Euroamericans to the area led to a dramatic decrease in the populations of the faunal species due to overhunting and habitat loss (Meyer and Rosenthal, 2008:34-36; Heady, 1977).

Prehistoric Setting

Categorizing the prehistoric period into cultural stages allows researchers to describe a broad range of archaeological resources with similar cultural patterns and components during a given timeframe, thereby creating a regional chronology. Rosenthal et al. (2007) provide a framework for the interpretation of the Central Valley prehistoric record and have divided human history in the region into three basic periods: *Paleo-Indian* (13,550 to 10,550 BP), *Archaic* (10,550 to 900 BP), and *Emergent* (900 to 300 BP). The Archaic period is subdivided into three sub-periods: *Lower Archaic* (10,550 to 7550 BP), *Middle Archaic* (7550 to 2550 BP), and *Upper Archaic* (2550 to 900 BP) (Rosenthal et al., 2007). Economic patterns, stylistic aspects, and regional phases further subdivide cultural patterns into shorter phases. This scheme uses economic and technological types, socio-politics, trade networks, population density, and variations of artifact types to differentiate between cultural periods. The following summary of the region's prehistory is derived principally from Rosenthal et al. (2007) and Moratto (1984 [2004]).

Paleo-Indian Period (13,550 to 10,550 BP)

Humans first entered the central Valley sometime prior to 13,000 years ago. At that time Pleistocene glaciers had receded to the mountain crests leaving conifer forests on the mid and

upper elevations of the Sierra Nevada and a nearly contiguous conifer forest on the Coast Ranges. The Central Valley was covered with extensive grasslands and riparian forests. The central California Delta system had not yet developed. The Central Valley was home to a diverse community of large mammals, which soon became extinct. People were likely focused on large game hunting, although evidence remains scant, as does understanding of lifeways during this period.

Lower Archaic Period (10,550 to 7550 BP)

Climate change during the Lower Archaic led to the rapid expanse of oak woodland and grassland prairies across the Central Valley. After 10,550 BP, a significant period of soil deposition ensued in the Valley, capping older Pleistocene formation. This was followed around 7000 BP by a second period of substantial soil deposition in the Valley.

It was during this period that the first evidence of milling stone technology appears, indicating an increased reliance on processing plants for food. Milling stones include hand stones and milling slabs and are frequently associated with a diverse tool assemblage including cobble-based pounding, chopping, and scraping tools. Milling tools were used for processing seeds and nuts. The Lower Archaic also saw the development of well-made bifaces used for projectile points and cutting tools, commonly formed from meta-volcanic greenstone and volcanic basalts.

Middle Archaic Period (7550 to 2550 BP)

After about 7550 BP, California was marked by a change in climate with warmer and drier conditions throughout the region. Oak woodland expanded upslope in the Coast Ranges and conifer forest moved into the alpine zone in the Sierra Nevada. Rising sea levels led to the formation of the Sacramento-San Joaquin Delta and associated marshlands. An initial period of upland erosion and lowland deposition was followed by a long period of stabilization of landforms. Scant evidence of human occupation from this period has been found in the Sacramento Valley or the adjacent Coast Ranges. Most evidence comes from the Sierra Foothills in Calaveras and Tuolumne counties.

Upper Archaic Period (2550 to 900 BP)

Evidence for Upper Archaic human occupation in the Central Valley is much more extensive than for earlier periods. The development of the Holocene landscape buried older deposits, resulting in the identification of more sites from the Upper Archaic than from older periods of development. Alluvial deposition was partially interrupted by two consecutive droughts known as the Medieval Climatic anomaly.

Two fundamental adaptations developed side-by-side during the Upper Archaic period, evidenced by a diversification in settlements patterns. Populations in the Valley tended towards large, high-density, permanent settlements. These villages were used as hubs from which the populace roamed to collect resources, utilizing a wide range of technologies. The populations in the foothills and mountains lived in less dense settlements, moving with the seasons to maximize resource returns. Tools tended to be expedient and multipurpose for use in a wide variety of

activities. Village sites show extended occupation as evidenced by well-developed midden, frequently containing hundreds of burials, storage pits, structural remains, hearths, ash dumps, and extensive floral and faunal remains.

Emergent Period (900 to 300 BP)

A major shift in material culture occurred around 900 BP, marking the beginning of the Emergent Period. Particularly notable was the introduction of the bow and arrow. The adoption of the bow occurred at slightly different times in various parts of the Sacramento Valley, but by 750 BP it was in use in the Delta region. The bow was accompanied by the Stockton Serrated point, a seemingly indigenous invention, distinctive from point types used in other parts of the State. Another key element of material culture from this period include big-head effigy ornaments thought to be associated with the Kuksu religious movement. In areas where stone was scarce, baked clay balls are found, presumably for cooking in baskets. Other diagnostic items from this period are bone tubes, stone pipes, and ear spools. Along rivers, villages are frequently associated with fish weirs, with fishing taking on an increasing level of importance in the diet of the local populace.

Ethnographic Setting

Depopulation and relocation of Central Valley Native Americans in the 19th century resulted in conflicting and incomplete information about tribal locations. Though cultural descriptions of these groups in the English language are known from as early as 1849, most of our current cultural knowledge comes from various early 20th century anthropologists (Levy, 1978:413). However, ethnographic data indicates that the Project Area is within the lands occupied and used by the Nisenan (Shiple, 1978), or Southern Maidu.

Nisenan

The language of the Nisenan, which includes several dialects, is classified in the Maiduan family of the Penutian linguistic stock (Kroeber, 1925 [1976]; Shiple, 1978). The western boundary of Nisenan territory was the western bank of the Sacramento River. The eastern boundary was “the line in the Sierra Nevada mountains where the snow lay on the ground all winter” (Littlejohn, 1928).

Nisenan settlement locations depended primarily on elevation, exposure, and proximity to water and other resources. Permanent villages usually were located on low rises along major watercourses. Village size ranged from three houses to 40 or 50. Houses were domed structures covered with earth and tule or grass and measured 3.0 to 4.5 meters in diameter. Brush shelters were used in summer and at temporary camps during food-gathering rounds. Larger villages often had semi-subterranean dance houses that were covered in earth and tule or brush, with a central smoke hole at the top and an east-facing entrance. Another common village structure was a granary used for storing acorns (Wilson and Towne, 1978).

The Nisenan occupied permanent settlements from which specific task groups set out to harvest the seasonal bounty of flora and fauna that the rich valley environment provided. The Valley Nisenan economy involved riparian resources—in contrast to the Hill Nisenan, whose resource base consisted primarily of acorn and game procurement. The only domestic plant was native tobacco, but many wild species were closely husbanded. The acorn crop from the blue oak and black oak was so carefully managed that this activity served as the equivalent of agriculture. Acorns could be stored in anticipation of winter shortfalls in resource abundance. Deer, rabbit, and salmon were the chief sources of animal protein in the aboriginal diet, but many other insect and animal species were taken when available (Wilson and Towne, 1978).

Religion played an important role in Nisenan life. The Nisenan believe that all natural objects were endowed with supernatural powers. Two kinds of shamans existed: curing shamans and religious shamans. Curing shamans had limited contact with the spirit world and diagnosed and healed illnesses. Religious shamans gained control over the spirits through dreams and esoteric experiences (Wilson and Towne, 1978). The usual mode of burial was cremation (Faye, 1923).

As with other California Native American groups, the gold rush of 1849 had a devastating effect on the Valley Nisenan. The flood of miners that came to the area in search of gold brought diseases with them that decimated the Nisenan population. Those who survived were subjected to violence and prejudice at the hands of the miners, and the Nisenan eventually were pushed out of their ancestral territory. Although this contact with settlers had a profound negative impact on the Nisenan population through disease and violent actions, the Nisenan people survived and maintained strong communities and action-oriented organizations (Castillo, 1978).

Ethnographic Villages

Ethnographic accounts documented several Native American villages in or in close proximity to the Project Area. These records, however, are somewhat lacking in detail regarding specific locations. The accounts show that the Nisenan villages *Sa'cum* and *Momol* were in the Project Area (Heizer, 1978; Casilear and Bainbridge, 1850), while three other Nisenan villages (*Sama*, *Sekumni*, *Pusune*) were outside but in the vicinity of the Project Area (Heizer, 1978; Kroeber, 1925 [1976]).

The Nisenan village *Sa'cum* is thought to have been in downtown Sacramento, at present-day Cesar Chavez Park, within the Project Area. *Momol* was also a Nisenan village shown in ethnographic accounts on the south side of the American River at its confluence with the Sacramento River, within the current Project Area. *Sama* was a Nisenan village documented in present-day South Sacramento, south of the Project Area. Ethnographic records depict *Pusune* at the confluence of the two rivers, either on the west side of the Sacramento River, in present-day West Sacramento, or along the north side of the American River; both locations are outside the Project Area. *Sekumni* is thought to have been along the north side of the American River, near the present-day State Route 160, outside the Project Area (Kroeber, 1925 [1976]; Wilson and Towne, 1978; Casilear and Bainbridge, 1850).

Historic Setting

Europeans did not enter the Sacramento area until 1808, when Gabriel Moraga's expedition reached the junction of the Sacramento and American Rivers. By the late 1820s, English, American, and French fur trappers, attracted by the valley's abundance of animal life, began operations throughout the Sacramento Valley. Native Americans still predominantly occupied the region, with only the occasional Spanish expedition into the interior to search for mission sites or escaped neophytes (Native Americans who had entered the mission system) (Hoover et al., 2002:302-304).

Permanent non-native settlement in the Sacramento Valley began in the 1830s when Spanish and Mexican governors issued large land grants to individuals, often in return for military or other services rendered to the government. Swiss immigrant John Augustus Sutter, Jr., upon receipt of a land grant from Mexican Governor Juan Alvarado, first settled the Sacramento area in 1839. Sutter established a fort away from the low-lying rivers area and Sutter's Fort served as an agricultural station and destination for immigrants into California until January 1848 (Jackson et al., 1983:1; Hoover et al., 1966:298-302; Bean, 1978:67-68; Reys, 1975:195).

City of Sacramento

Sutter's small riverside settlement quickly took on the role of bustling port as ocean going ships and riverboats used the Sacramento River to transport goods and gold-seeking passengers to the mine fields in the slopes of the Sierra Nevada after the discovery of gold in 1849. Sutter laid out a grid of streets extending from the waterfront and named the new town Sacramento, establishing numbered streets running north to south and lettered streets, east of Front Street along the Sacramento River, running east to west, with each block divided into eight 80 foot by 150-foot lots with four lots on either side of an east/west oriented central alley.

The new town was centered on the embarcadero, or Front Street, and continued inland to the east along J Street (Warner, 1969; Brienes et al., 1981:46-47). Downtown Sacramento developed rapidly after 1850. The blocks fronting J Street were heavily developed, owing to the street's use as the main road leading east out of the City, with slightly less development on the parallel I and K Streets. By 1851, J Street was substantially occupied from Front Street eastward beyond 10th Street with stores, saloons, hotels, grocery stores, stables, and other concerns vying for the business of visitors and residents.

During the mid-1800s, the City faced severe flooding issues. The majority of flooding stemmed from the American River, where, during heavy rains, segments of the river north of I Street would experience severe flooding. The flood of 1861/62 left portions of the City under 20 feet of water. To address this problem, the City dug a new mouth for the American River, rerouting it north to better regulate flow, and elevated the city streets between I Street and L Street, from Front Street to 12th Street, approximately four to fifteen feet. The City completed this enormous undertaking in 1873, and this action has shaped the current downtown grid since that time (City of Sacramento, 2009:6.4-9). The thirteen-year process resulted in gaps between the street and the

business fronts. These were covered with new sidewalks leaving “hollow sidewalks” below the new street grade.

With the reduction of flood risk, downtown businesses grew steadily; for the first 60 years of its existence the City of Sacramento consisted of the 4.5 square mile grid encompassing the modern neighborhoods of Midtown and Downtown. Between 1895 and 1915, the City underwent rapid development thanks to the introduction of a street car line. Pacific Gas and Electric Company operated a streetcar line in Sacramento from 1906 to 1943, which supported expanded residential development as outlying areas became more easily accessible. The earliest annexation efforts in the late nineteenth and early twentieth centuries pulled in the suburbs of south and east of the grid. These new suburbs provided housing for residents commuting downtown, and were developed in phases spanning the first half of the twentieth century. As private automobiles overtook streetcars as the primary form of transportation, the suburbs surrounding Sacramento expanded further away from the streetcar lines, which eventually fell out of use and were removed by the mid-20th century. Sacramento’s downtown core had fallen into economic and physical decline by the 1930s, as the suburban growth pulled residents out of downtown. Declining tax revenue and property values led to the redevelopment/urban renewal efforts in downtown Sacramento in the post-war period.

Population growth and urban renewal in the 1960’s facilitated renewed interest in the downtown core and a number of large projects occurred at this time. I-5 was constructed, Capital Mall was developed with a number of government buildings between the State Capital Building and I-5, the K Street Mall was constructed and a new courthouse was built at 9th and H Streets.

Opportunity Sites

Opportunity Site are located throughout the DSP area including the following neighborhoods as they are defined by the City including Alkali Flat, Mansion Flats, New Era Park, Marshall School, Boulevard Park, Downtown, Midtown/Winn Park/Capital Avenue, Southside Park, Old Sacramento, Richmond Grove, Newton Booth, Land Park, and Curtis Park. Information on these neighborhoods as well as important contextual information is provided below.

Alkali Flat

Alkali Flat is a neighborhood on the south side of the American River, east of the Railyards, and north of the Capital. It is generally bound by 7th Street on the west, G Street on the south, 12th Street on the east, and the railroad tracks north of C/D streets on the north.

Alkali Flat is the oldest remaining residential neighborhood in Sacramento, developing in the mid-1800s, and includes approximately 24 blocks. As early as the 1850s some light industrial business began to appear at the northern and southern edges of the neighborhood near the American River and the downtown business district. “The 1897 Sacramento City Directory indicates that the 12th Street corridor between B and H streets had become almost entirely a commercial area and included two meat markets, a retail liquor store, a steam laundry, a grocery, grain and feed store.” (Alkali Flat/Mansion Flats SNAP, 2005: 5)

Mansion Flats

Mansion Flats is a neighborhood on the south side of the American River, east of the Railyards, and north of the Capital. It is generally bound by 12th Street on the west, J Street on the south, 16th Street on the east, and the railroad tracks north of C Street on the north. Mansion Flats, also known as the Washington Neighborhood after the old Washington School once located on 13th Street, developed along Sacramento's first streetcar line (Burg, 2013) Houses in the area range from the 1860s to the present and include the Historic Governor's Mansion, which is now open to the public. "H Street became known as Merchant's Row, where families like the Ruhstallers, Hales and Gallatins made their homes. To the north, employees of the Southern Pacific Shops and other industrial workers built smaller but beautifully decorated homes." (Burg, 2013)

New Era Park

New Era Park is a residential neighborhood in Sacramento, bordered by E Street to the south, the American River to the north, 29th Street to the west, and 16th Street to the east. New Era Park emerged in the late 1910s as a working class-neighborhood with affordable housing for employees of some of the major Sacramento businesses, including Southern Pacific Railroad, California Packing Corporation, and the California Almond Grower's Exchange (SAMCC and the Historic Old Sacramento Foundation, 2006). Developed by Wright & Kimbrough, following their successful establishment of Boulevard Park to the west, the craftsman bungalows were supported by the H Street streetcar line (Burg, 2014).

Marshall School

Marshall School is a residential neighborhood bound by D Street to the north, J Street to the south, Capital City Freeway to the east, and 25th Street to the west. The neighborhood Marshall School was named for the elementary school built (built in 1903 and designed by Rudolph Harold, the architect who designed City Hall) located at 28th and G Streets. The school functioned as a grade school until 1976, and has functioned under a range of educational uses since then (Burg, 2014).

Boulevard Park

Boulevard Park is bounded by the Southern Pacific railroad to the north, 20th St to the west, H Street to the South, and the properties along the east side of 22nd Street. Originally purchased by the Park Realty Company in 1905, the district was successfully developed by Wright & Kimbrough into residential lots (Boghosian and Cox, 2006). Built on the former site of the California State Fair's Union Racetrack, the neighborhood was a streetcar suburb that integrated "City Beautiful" principles of urban design and landscape architecture within Sacramento's original gridiron block plan (Burg, 2011).

Downtown

Sacramento's central business district is defined as the area bounded by the American River to the north, Interstate 5 to the west, Broadway to the south, and 16th Street to the east. While Sacramento's central grid began development in the mid-nineteenth century with the arrival of John Sutter, the Downtown neighborhood includes predominantly modern construction resulting from the ongoing development and redevelopment of the urban core (SAMCC and the Historic Old Sacramento Foundation, 2006b). Buildings include historic hotels, the downtown mall, commercial space and restaurants, high-rise office buildings, and medium-rise office and residential buildings.

Midtown/Winn Park/Capitol Avenue

Sacramento's Midtown neighborhood is bordered unofficially by W Street to the south, the Southern Pacific Railroad to the north, 16th Street to the west, and 29th Street to the east. Midtown is predominantly residential, with tree lined streets and buildings dating to the late nineteenth through mid-twentieth centuries. By the 1870s, Sacramento had begun expanding east to accommodate increased need for residential development. Midtown's development included several historic districts, including Winn Park at 28th and P Streets (both the park and neighborhood were named for Sacramento's second mayor, A.M. Winn) and Capitol Avenue (Midtown's wide, tree and Victorian-lined central arterial) (SAMCC and the Historic Old Sacramento Foundation, 2006a).

Southside Park

Southside Park is bounded by the W/X Freeway to the south, R Street to the north, Interstate 5 to the south, and the buildings on the east side of 12th Street to the east. Southside Park was developed in response to the increased need for residential housing following the development of the R Street Corridor as a major industrial area. Immigrants and working class laborers sought home within walking distance of R Street, creating a booming early 20th century neighborhood along the track line. The lack of racial covenants allowed nonwhite to purchase homes in the neighborhood, one of few neighborhoods available to them (Burg, 2007).

Old Sacramento

Old Sacramento is a historic commercial neighborhood bounded generally by the Sacramento River to the west, Interstate 5 to the east, I Street to the north, and Capitol Avenue to the south. Established as a historic district and national landmark in the mid-twentieth century, Old Sacramento was at one time the central transportation hub of Sacramento, with its immediate proximity to the Sacramento River and the Southern Pacific Railyard. Historic resources within the district include historic hotels, shops, restaurants, and bars, as well as Sacramento's Underground Sidewalks District (SAMCC and the Historic Old Sacramento Foundation, 2006b).

Richmond Grove

Bounded by R Street to the north, the W/X Freeway to the south, 12th Street to the west, and 19th Street to the east, Richmond Grove was originally a literal pleasure grove at 20th and Q Streets, accessed by visitors relaxing away from downtown. The grove was demolished by the construction of the Western Pacific Railroad through Midtown in 1907-1910, and the subsequent residential development provided housing for the nearby workers (Burg, 2014).

Newton Booth

The Newton Booth neighborhood is bounded by R Street to the North, Hwy 50 to the South, Business 80 Freeway to the East, and 24th Street to the West. Also within the neighborhood is the Newton Booth Historic District. Named for California's 11th governor and the 1915 school named for him, the Newtown Booth historic district was part of an area developed after World War II (one of the few remaining undeveloped portions of the City at the time). Housing styles were influenced by architecture popular on the East Coast, often a composite of multiple styles (SAMCC and the Historic Old Sacramento Foundation, 2006a).

Land Park

Land Park and Upper Land Park are residential neighborhoods located south of the W/X Freeway. Upper Land Park is a triangular area, bounded by the Sacramento River to the west, Riverside Boulevard to the east, and Broadway to the north. Land Park is bounded by Riverside Boulevard to the west, Sutterville Road to the South, the W/X Freeway to the north, and 21st Street to the east. Land Park was named for the park established there in the 1920s, and its expensive homes constructed there between 1920 and 1940. Following World War II, the demand for large scale tract homes overtook the individual builder pattern of neighborhoods like Land Park, but it has retained its local cache and prestige as a desirable neighborhood through the present (Isidro, 2005).

Curtis Park

Curtis Park is a residential neighborhood bounded by the W/X Freeway to the north, Highway 99 to the east, Sutterville Road to the south, and Freeport Boulevard to the west. Originally consisting of large farming properties south of the City, Curtis Park was divided into residential subdivisions by the late 1880s. The neighborhood was named for William Curtis, an early Sacramento homesteader in the area. A "streetcar suburbs," the streetcar lines allowed commuters to easily travel back and forth to the City core. This development continued piecemeal through the end of World War II (Murphy, 2005).

Railroad

Many of the Opportunity Sites are located along the R Street Corridor, which, in the early 20th century, was an industrial hub in the City. The following has been excerpted from the City of Sacramento General Plan Technical Background Report's Railroad Context Statement.

Beginning in the mid-nineteenth century, first with water transportation and then with overland rail transportation, Sacramento developed into a major transportation hub in California and the entire West Coast, especially after becoming the western terminus of the first transcontinental railroad in 1869. Through opportunistic and politically-savvy business efforts, especially of the men who came to be called the “The Big Four,” both freight and passenger railroad industries thrived, providing employment to generations of Sacramentans; at its peak, the Southern Pacific’s Central Shops north of downtown employed nearly one-third of Sacramento. The railroads garnered national attention for California, the region and the city, inviting outsiders to experience the west and the Capital City. Through the competing interests of various railroads, several railroad depots, industrial yards, and infrastructure such as rail corridors, railroad levees and bridges were constructed. Thus, the advent of the railroad was highly influential in shaping Sacramento’s built environment. Some of the important themes which characterize the history of railroads in Sacramento include the railroad depots and shops complexes, development of expansion of railroad service to enhance Sacramento’s role relative to California agricultural and industrial facilities, electrification of the railways, and the reuse of railroad tracks, rail corridors and infrastructure, including the railroad levees and bridges...

In Sacramento, the Sacramento Railroad and Sacramento Valley Railroad companies vied to establish rail lines through the new city. Formed in 1853 and headed by prominent Sacramentans Peter H. Burnett and James Ben Ali Haggin, the Sacramento Railroad was promoted as a locally-run railroad company with Sacramento’s best interests at stake...

The Sacramento City Council granted to the Sacramento Railroad the route along A Street at the city’s northern boundary, which led to the city center. R Street was granted as the Sacramento Valley Railroad’s right-of-way. Both lines were essentially equidistant from the city’s center at that time, J and K Streets... California’s first steam railroad and the first “common carrier” railroad, the Sacramento Valley Railroad, opened in 1856 to great fanfare. The twenty-two mile route ran between Sacramento and Folsom.

Sacramento’s rapidly developing overland transportation system contributed greatly to its bid to become the State’s Capital city in the mid-1850s. Its position at the juncture of the Sacramento River and the new railroad was economically advantageous and its business district offered amenities for State legislators who would relocate to the area. The city earmarked multiple city blocks for the construction of a new Capitol building and had recently completed a new brick courthouse and state printing facility. In light of the fires that had ravaged the city in recent years, Sacramento also offered to construct a fire-proof warehouse in which to archive state documents.

To supplement the city’s early levee-building efforts, the City Council required railroad companies to construct and maintain levees on the right-of-ways granted through Sacramento; however, this program was met with varying success. The city granted railroad right-of-ways in areas where the city was most vulnerable to flooding from the American and Sacramento Rivers...In accordance with this ordinance, the Sacramento Valley Railroad constructed a levee on R Street prior

to the establishment of its tracks...In 1861, December storms caused the American river to breach the city's levee at the northern boundary of Sacramento and the R Street levee trapped the floodwater within the downtown area. The railroad company was forced to remove a portion of the levee to allow the floodwater to escape.

Historic Districts

The Opportunity Sites fall into four Historic Districts including the 1200-1300 Q Street, R Street, Memorial Auditorium, and Alkali Flat West historic districts. The following excerpts are from the Sacramento Register of Historic and Cultural Resources.

1200-1300 Q Street

This Historic District consists of a two-block row of modest high basement buildings on Q Street, predominantly simple high basement cottages, on the half block behind Q Street. It is a cohesive row of buildings dating from 1885-1895. Its identity as a neighborhood is enhanced by the mature trees, which line its streets, and by the incompatibility of surrounding land uses. The houses are all in the same small scale, they have similar materials, texture, color, height, and set back, and there is a rhythm to their spacing and shape. The area also contains a rare example of a late nineteenth century simple Delta style cottages facing the alley and is located behind 1322 Q Street. Many Sacramento alleys once served as auxiliary residential streets lined with very simple cottages. Now, only this one remains of that formerly common historical pattern. This neighborhood has always housed working class families as tenants and owners.

Three basement cottages from the Alkali Flat Historic District and one high basement Craftsman Bungalow from 16th Street have been moved in the one half block area on the west side of 14th Street north of Q Street. These buildings were moved as part of a Capitol Area Development Authority project. They help to give an architectural feel of time and place to this District.

R Street

The buildings within this District face R Street from 10th Street running east to 12th Street. The construction dates run from 1910 to 1930 with the use concentrated in warehousing, commercial distribution and light industrial.

Inasmuch as Sacramento's early development was so closely tied to the evolution of the railroads, those structures still remaining along the R Street tracks are of particular importance in reflecting this connection. Remaining railroad-related enclaves of structures are rare along the tracks. This grouping whose uses were related to railroad access and transportation needs reflect that important relationship.

The boundaries are well defined by a change in building styles to the north and south and newer construction to the west and east.

Memorial Auditorium

This District essentially constitutes the Memorial Auditorium, the block face opposite the Auditorium, to the south, and the half block to the east on the south side of J Street. The scale and materials of some of the structures strongly contribute to the Auditorium. Some portions of the streetscape are minimally intact but the District could be increasingly supportive of the Memorial Auditorium if it were rehabilitated sensitively in the future.

The boundaries are defined by new construction, parking lots and non-contributory older buildings.

Alkali Flat West

Alkali Flat West Historic District lies at the westernmost perimeter of the Alkali Flat area and contains a National Register property that may be a representative of prepackaged houses that came by ship to Sacramento during its early establishment. Other houses on along E Street form a cohesive row representative of the overall area in size, scale and image. The district also contains some larger turn of the century and early 1900 apartment houses.

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CHAPTER 4

Methods and Results

CHRIS Records Search

Several records searches conducted at the North Central Information Center (NCIC) were compiled to provide full coverage of the Project Area, in addition to a 200-foot buffer to the Project Area for archaeological resources. The NCIC, at California State University, Sacramento, maintains the official CHRIS records of previous cultural resources studies and recorded cultural resources for the Project Area, among other areas. This study discusses the following NCIC records searches, as relevant to the Project Area:

- **SAC-16-105:** June 16, 2016, in-person by ESA staff, for City of Sacramento Accelerated Water Meter Project
- **SAC-16-112:** June 20, 2016, in-person by ESA staff, for City of Sacramento Accelerated Water Meter Project
- **SAC-16-114:** June 22 and July 18, 2016, by NCIC staff, for City of Sacramento Accelerated Water Meter Project
- **SAC-17-3:** January 11, 2017, by NCIC staff, for Project
- **SAC-17-11:** January 19, 2017, by NCIC staff, for Project
- **SAC-17-22:** February 6, 2017, in-person by ESA staff

The purpose of the records searches was to: (1) determine whether known cultural resources have previously been recorded in the Project Area; (2) assess the likelihood for unrecorded cultural resources to be present based on historical references and the distribution of nearby resources; and (3) develop a context for the identification and preliminary evaluation of cultural resources. The records searches consisted of an examination of the following documents:

- **NCIC base maps:** *Sacramento East, CA; Sacramento West, CA* (USGS 7.5-minute topo maps)
- **Resource Inventories:** *National Register of Historic Places, California Inventory of Historical Resources, California Historical Landmarks, California Points of Historical Interest, Historic Properties Directory Listing* (Sacramento County, through May 2012), *Archaeological Determinations of Eligibility* (Sacramento County, through April 5, 2012), *Caltrans Historic Bridge Inventory* (Sacramento County, through March 2016)

Previously Recorded Resources

The NCIC indicates that there are 1,225 previously recorded cultural resources in the Project Area, 26 of which are archaeological resources, 1,197 of which are architectural resources, one (P-34-002358) of which has both archaeological and architectural components, and one (P-34-003880) of which is the former location of the China Slough/Sutter's Lake but does not have archaeological or architectural components. Due to their confidential nature, details on the locations of previously recorded archaeological resources are not provided in the following sections. However, such details are provided in confidential **Appendix C** of this document.

Archaeological Resources

Of these 26 previously recorded archaeological resources, five are prehistoric, 20 are historic-period, and one has both prehistoric and historic-period components. The previously recorded resource in the Project Area with both archaeological and architectural components, P-34-002358, consists of the Sacramento Raised Streets and Hollow Sidewalks District. Only two of the archaeological resources (including the one with both architectural and archaeological components) are recorded within the limits of Opportunity Sites: P-34-000722 and P-34-002358. In addition to previously recorded archaeological resources within the Opportunity Sites themselves, 31 of the Opportunity Sites are within 200 feet of previously recorded archaeological resources. **Table 1** summarizes the previously recorded archaeological resources in the Project Area, while **Table 2** summarizes the relationship between Opportunity Sites and previous archaeological resources. **Figure 4** in Appendix C depicts the previously recorded archaeological resources in or within 200 feet of the Project Area.

P-34-000722

This historic-period archaeological site was recorded in 2002 by Nettles and Hamilton. The site was subsequently tested and determined to be CRHR-eligible. As a result, data recovery was conducted at the site as part of the same project—the data recovery and following construction of the building and associated facilities destroyed the site. The site consisted of artifacts and features associated with residential, commercial, and industrial activities from the early 1850s to modern 1950s. Archaeological material at the site included privies, wells, cesspools, trash pits, historic-period midden, forge, bottle dumps, structural remains, historic-period gas well heads, and additional artifacts. It does not appear the resource was evaluated for National Register-eligibility, and it was destroyed by construction of the building and associated facilities.

P-34-002358

This resource is an historic-period district with both archaeological and architectural components, recorded in 2010 by Downey, consisting of a vernacular landscape resulting from modifications made to downtown Sacramento between 1862 and 1878. The district encompasses a rectangular area in downtown Sacramento. District elements include the raised grade of the City streets, brick and wood sewers, duct banks, wood conduit, railroad track, cobblestone road segments, buried sidewalks, retaining walls, bulkheads, plank crosswalks, levee segments, and the Sutter Lake Sandlot. It does not appear the resource has been evaluated for National Register-eligibility.

TABLE 1
PREVIOUSLY RECORDED ARCHAEOLOGICAL RESOURCES IN THE DSP

Primary (P-34-)	Trinomial (CA-SAC-)	Age	Recorder
000002	-	Historic	Orlins (1978); Russo (1986)
000061	34/H	Prehistoric	Heizer (1934); Snell (1963); McKithan (1977); Cimarelli (1979); HEC (1981)
000063	36	Prehistoric	Heizer (1934)
000064	37	Prehistoric	McKee (1934)
000065	38/H	Prehistoric, Protohistoric, Historic	Heizer (1934); 1981 (HEC); Hider and Wohlgemuth (1991); Tremaine (2008)
000067	40	Prehistoric	Heizer (1934); Flint and Bevil (1995)
000421	394H	Historic	Praetzellis (1980)
000619	505H	Historic	Hogan (2000); Davis (2001)
000722	551H	Historic	Nettles (2002)
000724	552H	Historic	Warren & Abdo-Hintzman (2002)
000725	553H	Historic	Praetzellis (1992)
000726	554H	Historic	Praetzellis (1992)
000727	555H	Historic	Praetzellis (1991)
000748	573H	Historic	Windmiller and Osanna (1997)
000749	574H	Historic	Windmiller and Osanna (1997)
000750	575H	Historic	Meyer and Schur (2002)
000892	670H	Historic	Praetzellis (1991)
001002	692H	Historic	Tremaine and Nelson (2004)
001966	1047H	Historic	Arrington and Corey (2007)
002100	-	Historic	Martinez and Hanes (2008)
002352	-	Historic	Delgado (1987)
002358	-	Historic	Tremaine (2008); Downey (2010)
002359	-	Prehistoric	Tremaine (2008)
002360	-	Historic	Breese et al. (2004)
003897	-	Historic	Cimarelli (1979); Smith (1980)
004110	-	Historic	Wulzen (2009)
004497	-	Historic	Dougherty (2012)

Architectural Resources

As previously stated there are 259 parcels on 89 Opportunity Sites. ESA Architectural Historians performed preliminary survey and research to identify those Opportunity Sites that included historic-age (45 years old or older) buildings and structures. The City then identified six Opportunity Sites for full evaluation for the National Register, California Register, and local listing. Table 2 in **Appendix D** provides information on architectural resources, broken down by

parcel number, since many Opportunity Sites include multiple parcels, including the acreage, address, and year built as well as, in some cases, eligibility. As such Table 2 includes a number of notes regarding current eligibility status and recommended eligibility noted as:

- N = no, not eligible
- NL = not listed
- HA = historic age, needs further research
- YL = Yes, already listed
- ENYL = Eligible, not yet listed
- NHA = Not historic-age

Those noted as not eligible have been evaluated as historical resources either as part of this study or a previous effort. Historic-age resources are 45 years old or older and have not been evaluated.

These Opportunity Sites are scattered throughout the downtown core; as such, they are located in a variety of urban environments and include many different building types. The following gives a brief overview of the buildings/structures on each of the Opportunity Sites (if any) including photos. Many of the parcels are either vacant lots or surface parking lots. Any discussion about condition or integrity is based on the site visit and the architectural historian's knowledge of the construction time period and style. Additional research would need to be performed in order to confirm this finding as well as provide a recommendation on the property's eligibility for the National Register, California Register or local listing.

Opportunity Site #1 – This site includes one fully developed parcel with three buildings, two of which are connected. The oldest building on the site is approximately 51 years old, built c1966, while the newest was likely built in 1994, which is the date on the Assessor's Record. The buildings appear to be in good condition.



Opportunity Site #2 – This site includes one parcel with a two-story building constructed in 1985, according to the Assessor’s Records, and is not historic age. There are some exterior wall segments that appear much older, as if the current building was built inside the shell of the original building. The building appears to be in good condition.



Opportunity Site #3 – This site includes one building, constructed in 1965, and a surface parking lot at the rear of the parcel. The building is Mid-Century Modern style and appears to be in good condition and retain a moderate to high degree of integrity.



Opportunity Site #4 – This site includes one building, constructed in 1975, and a surface parking lot at the northeast corner of the lot. The building is not historic age.



Opportunity Site #5 – This site includes one parcel and has no buildings.

Opportunity Site #6 – This site includes one parcel and has no buildings.

Opportunity Site #7 – This site includes four buildings on three parcels. There are two buildings at APN 009-0253-016. The building at 1331 Broadway was constructed in 1966 and was previously a bank. It is on the northwest corner of 14th Street and Broadway. The building is currently vacant. It is Mid-Century Modern style and appears to retain a moderate to high degree of integrity. The building at 1315 Broadway, also on APN 009-0253-016, is a one story, retail/commercial building. It appears historic age and was likely constructed between 1957 and 1964. The building at 1313 Broadway is a one story retail/commercial building that was built in 1945. The building at 1309 Broadway is a one story retail commercial building that was built in 1931. All of the buildings are historic age and appear to be in good condition.



1331 Broadway



1313 Broadway



1309 Broadway

Opportunity Site #8 – This site includes five parcels and no buildings.

Opportunity Site #9 – This site includes one parcel and one building constructed in 1966. The building is single story and concrete construction, and is architecturally unremarkable. The building appears to be in good condition.



Opportunity Site #10 – This site includes two parcels and one building constructed in 1966. The single story, rectangular building appears to front both T and U streets, with T Street being the primary frontage. The building appears to be in good condition.



Opportunity Site #11 – This site includes one parcel and no buildings.

Opportunity Site #12 – This site includes one parcel and three buildings and structures constructed in 1968. It appears to be a former gas/service station with a main shop for repairs and two shade structures that presumably covered gas pumps. The gas pumps have been removed; however, overall the site appears to retain a moderate to high degree of integrity.



Opportunity Site #13 – This site includes one parcel and one building constructed in 1966. It appears to be a former gas/service station. The main portion of the building is rectangular with carports extending to the east and west of the building. The one on the west façade appears to be a later addition while the one on the east façade likely covered the gas pumps. The building appears to be in fair to good condition and retain a low to moderate degree of integrity.



Opportunity Site #14 – This site includes two parcels and two buildings. The building at 1809 23rd Street was constructed in 1942. The building at 1800 24th Street was constructed in 1930. Both of these buildings were fully evaluated as a part of this study in the next section of this report and the DPR forms are in **Appendix E**.



1809 23rd Street



1800 24th Street

Opportunity Site #15 – This site includes four parcels and two buildings. The building at 1800 23rd Street was constructed in 1938. It was fully evaluated as a part of this study in the next section of this report and the DPR forms are in Appendix E. The building at 2229 S Street, according to parcel records, was constructed in 1972. It is at the northwest corner of 23rd and S streets. It is a single story building dominated by warehouse space with what appears to be office space at the southeast corner of the building. It appears to be associated with Fischer Tile & Marble, which also occupies the building at 1800 23rd Street and possibly the building at 1809 23rd Street. The building at 2229 S Street appears to have been constructed prior to 1972; it is historic age and requires further evaluation to determine its significance.



1800 23rd Street



2229 S Street

Opportunity Site #16 – This site includes five parcels and no buildings.

Opportunity Site #17 – This site includes five parcels and no buildings.

Opportunity Site #18 – This site includes three parcels and two buildings. The building at 1720 21st Street (2111 Q Street) was constructed in 1948. It is a narrow, rectangular single story building. It is currently occupied by sacbee.com and sacramento.com according to signage on the building. The building at 2123 Q Street was constructed in 1957, and is a one story, International Style building. It is historic age and appears to have a moderate to high degree of integrity.



1720 21st Street (2111 Q St)



2123 Q Street

Opportunity Site #19 – This site includes seven parcels and no buildings.

Opportunity Site #20 – This site includes three parcels and no buildings.

Opportunity Site #21 – This site includes four parcels and one building. The building at 2123 P Street was constructed in 1913 and is historic age. It is a two story residential building, and appears to have a moderate to low degree of integrity.



Opportunity Site #22 – This site includes one parcel and one building. The building at 1608 Q Street was constructed in 1964. It is a single story building in the International Style and appears to be in good condition.



Opportunity Site #23 – This site includes seven parcels and no buildings.

Opportunity Site #24 – This site includes two parcels and two buildings. The building at 1730 14th Street was constructed in 1939. It was fully evaluated as a part of this study in the next section of this report and the DPR forms are in Appendix E. The building at 1729 13th Street was constructed in 1939. It is a large L-shaped building that is currently occupied by the State of California Department of Water Resources.



1730 14th Street



1729 13th Street

Opportunity Site #25 – This site includes one parcel and one building constructed in 1982. The building is not historic age.



Opportunity Site #26 – This site includes one parcel and no buildings.

Opportunity Site #27 – This site includes six parcels and one building constructed in 1931. This site is located in the Sacramento Register designated 1200-1300 Q Street Historic District, but post-dates the district's period of significance (1895-1912) and is therefore presumed to not be a contributor. The building is historic age and appears to be in fair to good condition.



Opportunity Site #28 – This site includes two parcels and two buildings. The building at 925 R Street was constructed in 1949. The building at 1724 10th Street was constructed in 1920 and is in the Sacramento Register R Street Historic District. Both of these buildings were fully evaluated as a part of this study in the next section of this report and the DPR forms are in Appendix E.



925 R Street (915 R St)



1724 10th Street

Opportunity Site #29 – This site includes three parcels and no buildings.

Opportunity Site #30 – This site includes one parcel and one building constructed in 1970. The building is historic age and in good condition.



Opportunity Site #31 – This site includes six parcels and one building. The building at 1720 8th Street was constructed in 1929. It was recorded in 1996 and the following description given.¹

This single-story building has a mansard roof with ceramic tile facing. Beneath the dentiled cornice is brick siding with textured clinkers. The front elevation has large, multi-paned industrial windows on both sides of centered, awninged entry. The aluminum door is new and the window on the left side of the front elevation

¹ Napoli, Donald S., CHMD. "Central City Historic Structures Inventory," March 1996.

has been bricked in. Two windows on the north elevation are covered in concrete. The building, however, remains essentially unaltered. The property's boundary is its current parcel.

Notes on the previous survey indicate that there were already integrity issues. The building is historic age and was undergoing extensive remodeling at the time of the survey. It no longer retains sufficient integrity to convey its original construction.



Opportunity Site #32 – This site includes one parcel and no buildings.

Opportunity Site #33 – This site includes seven parcels and no buildings.

Opportunity Site #34 – This site includes 11 parcels and no buildings.

Opportunity Site #35 – This site includes four parcels and two buildings. The building at 1401 16th Street was constructed pre-1947. It is one story and includes a surface parking on at the north end of the parcel. The building is currently occupied by an Enterprise Rent-A-Car. The building at 1614 N Street was constructed pre-1947. It was likely a single family residence originally and is currently occupied by Hand In Hand Child Development Center. It is one story over a raised basement, is in good condition, and appears to retain a moderate degree of integrity.



1401 16th Street



1614 N Street

Opportunity Site #36 – This site includes one parcel and one building. The building at 1900 Capitol Avenue was constructed in 1977. It is not historic age.



Opportunity Site #37 – This site includes one parcel and no buildings.

Opportunity Site #38 – This site includes one parcel and no buildings.

Opportunity Site #39 – This site includes one parcel and no buildings.

Opportunity Site #40 – This site includes seven parcels and no buildings.

Opportunity Site #41 – This site includes three parcels and one building. The building at 1724 6th Street was constructed pre-1947. It is historic age and appears to be in fair condition.



Opportunity Site #42 – This site includes one parcel and one building. The Thomas Jefferson Elementary School was constructed in 1923 in the Period Revival style. It is a City of Sacramento Landmark.



Opportunity Site #43 – This site includes four parcels and no buildings.

Opportunity Site #44 – This site includes three parcels and two buildings. The building at 200 Q Street was constructed in 1971. It is a small commercial building currently occupied by Starke Fit. Based on the building design and location it was possibly a gas station and/or other automotive related business. The building at 226 Q Street was constructed in 1966. It is a small rectangular building currently occupied by Advanced Tire. Based on the building design it was likely always used for automotive related businesses. Both buildings appear to be in good condition.



200 Q Street



226 Q Street

Opportunity Site #45 – This site includes one parcel and one building. The building at 2200J Street is two stories and rectangular in form. It currently houses multiple retail businesses including Mike’s Camera, Midtown Framing, and Kindermusic. The building appears to be in good condition and retains a high degree of integrity. It appears to be an excellent example of the Midcentury Modern Style.



Opportunity Site #46 – This site includes two parcels and no buildings.

Opportunity Site #47 – This site includes two parcels and one building. The building at 2124 J Street was constructed in 1925. It is currently occupied by Lofings Lighting, a sign says they are celebrating 50 years, and a preschool. Based on the configuration of the building it is likely that the building was constructed as a residence and the front of the building remodeled for commercial purposes at a later date.



Opportunity Site #48 – This site includes one parcel and no buildings.

Opportunity Site #49 – This site includes one parcel and one building. The building at 2020 J Street was constructed in 1920. It is a multistory building on the southwest corner of J and 21st streets. It appears to have been significantly remodeled based on its building date.



Opportunity Site #50 – This site includes one parcel and one building. The Marshall School was constructed in 1903 in the Classic Revival style. It is a City of Sacramento Landmark.



Opportunity Site #51 – This site includes three parcels and no buildings.

Opportunity Site #52 – This site includes three parcels and one complex of three buildings/structures. The buildings at 1031 16th Street were constructed in 1967 and appear to have originally been a gas station/service station. The main building appears to have been the service station and the other two structures are freestanding shade structures for the gas pumps. Only one gas pump remains.



Opportunity Site #53 – This site includes four parcels and one building. The building at 1616 J Street was constructed in 1928. It is a single story, rectangular brick building. Extensive renovations affecting the façade and interior were observed in early 2017.



Opportunity Site #54 – This site includes one parcel and one building. The building at 2827 F Street was constructed in 1965. It is a one-story rectangular building designed in a Modern style. It is currently vacant, and all openings have been boarded up. The building is surrounded by a surface parking lot on the north, east, and south sides. A pole on a raised concrete pad is present to the east of the building that could have supported a shade structure over gas pump(s).



Opportunity Site #55 – This site includes one parcel and no buildings.

Opportunity Site #56 – This site includes one parcel and one building. The building at 907 16th Street was constructed in 1968. It is a one-story rectangular building designed in a Modern style and appears to be in good condition. It is currently occupied by Avis and Budget Car Rentals according to signage on the building. The building is surrounded by a surface parking lot on its north, west, and south sides.



Opportunity Site #57 – This site includes one parcel and one building. The building at 1116 9th Street was constructed in 1965. It is a two-story building designed in the Midcentury Modern style. It has ground-level commercial space and rooftop parking.



Opportunity Site #58 – This site includes four parcels and four buildings. The building at 930 K Street was constructed in 1963. It is a two-story office building with basement-level parking located on the southwest corner of K and 10th streets. The building at 924 K Street was constructed in 1963. It is a one-story commercial building with basement-level parking. The building at 920 K Street was constructed in 1963. It is a one-story-over basement commercial building. The building at 916 K Street was constructed in 1890; the façade appears to have been completely remodeled. It is a two-story-over-basement commercial building currently occupied by DeRow & Sharma Clothiers & Tailors according to signage on the building.



930 K Street



920 K Street



916 K Street



924 K Street

Opportunity Site #59 – This site includes three parcels and no buildings.

Opportunity Site #60 – This site includes three parcels and one building. The building at 703 L Street was constructed in 1949. The west portion of the two-story commercial building is designed in the Streamline Moderne style; the east portion is a one-story covered parking lot. The building appears to be in good condition.



Opportunity Site #61 – This site includes seven parcels and three buildings. The building at 904 15th Street was constructed in 1950. It is a one-story commercial building currently occupied by Torch Club and Zen Sushi & Lounge according to signage on the building. The adjoining buildings at 908 and 910 15th Street were constructed in 1949. Their façades have been modernized in two different styles. 908 15th Street is currently occupied by Republic Bar & Grill according to signage on the building, and 910 15th Street is currently occupied by Coast to Coast Kitchen.



910 15th Street



904 15th Street



908 15th Street

Opportunity Site #62 – This site includes two parcels and no buildings.

Opportunity Site #63 – This site includes one parcel and no buildings.

Opportunity Site #64 – This site includes one parcel and one building. The building at 1023 J Street was constructed c. 1960. It is a two-story-over-basement office building designed in the Midcentury Modern style. It appears to be in good condition and retain a moderate to high degree of integrity.



Opportunity Site #65 – This site includes one parcel and no buildings.

Opportunity Site #66 – This site includes three parcels and two buildings. The building at 714 J Street (also known as 715 Merchant Street) was constructed in 1890. It is a narrow, two-story commercial building currently occupied by Emergency Bail Bonds and Hair to Dye For according to signage on the building. It appears to be in good condition; however, the integrity appears to be poor with the façade appearing to be completely remodeled. The building at 716 J Street was constructed in 1962. It is a five-story, above-ground parking structure with ground-level retail space. It is designed in a Modern style and appears to be in good condition.



714 J Street



716 J Street

Opportunity Site #67 – This site includes five parcels and no buildings.

Opportunity Site #68 – This site includes one parcel and no buildings.

Opportunity Site #69 – This site includes three parcels and one building. The building at 1210 G Street was constructed in 1978, according to assessor’s records. It is a two-story office building that is accessible from the adjacent parking lot on its east side.



Opportunity Site #70 – This site includes one parcel with one building and two structures. The building at 526 16th Street was constructed in 1967. It is a small, one-story commercial building currently occupied by Auto Glass Now according to signage on the building. There are two detached carport/shade structures on the property.



Opportunity Site #71 – This site includes seven parcels and no buildings.

Opportunity Site #72 – This site includes one parcel and one building. The building at 1200 F Street was constructed in 1950. It is a small one-story building, located in the southwest corner of the parcel, which is otherwise occupied by a surface parking lot. The building appears to be in fair condition.



Opportunity Site #73 – This site includes six parcels and one building. The building at 1913 D Street was constructed in 1960. It is a one-story rectangular building that may be used for storage or office use. The site appears to be associated with the Salvation Army according to signage on numerous trucks parked on the parcels. The building appears to be in good condition and to retain a moderate to high degree of integrity.



1912 C Street (1916 C St)



1913 D Street

Opportunity Site #74 – This site includes one parcel and no buildings.

Opportunity Site #75 – This site includes one parcel and no buildings.

Opportunity Site #76 – This site includes three parcels and one building. The building at 1115 E Street was constructed in 1953. It is a one-story warehouse with a front addition designed in a Modern style. It is currently occupied by the E Street Gallery & Studios according to signage on the building.



Opportunity Site #77 – This site includes five parcels and no buildings. The entire site is located within the Alkali Flat West Historic District.

Opportunity Site #78 – This site includes three parcels and two buildings. The building at 1310 C Street was constructed in 1946. It is a one-story Quonset hut that is located on the south side of C Street between 13th and 14th streets. It is currently occupied by Jim Vendley Air Conditioning according to exterior signage. The building at 308 14th Street was constructed at an unknown date. It is a one-story warehouse building located at the northwest corner of 14th Street and Chinatown Alley. The buildings appear to be in good condition and retain moderate to high degrees of integrity.



308 14th Street



1310 C Street

Opportunity Site #79 – This site includes four parcels and three buildings. The building at 1401 C Street was constructed in 1920. It is a large one-story warehouse located at the northeast corner of C and 14th streets, and it appears to be vacant. The two building at 201 and 215 14th Street are located on one parcel and were constructed in 1956. The buildings appear to be currently occupied by Reclamation Art & Furniture LLC and C Street Studio, respectively, according to an internet search. The building at 216 15th Street was constructed in 1942. The rectangular, two-story industrial building has three large additions on its north, south, and west sides, resulting in a sprawling building with an irregular plan. The building is currently occupied by The Red Museum according to an internet search.



201 14th Street



216 15th Street



1401 C Street

Opportunity Site #80 – This site includes three parcels and one building. The building at 1219 C Street was constructed in 1980, and is not of historic age. It is a one-story rectangular industrial building with some office space.



Opportunity Site #81 – This site includes four parcels and one building. The building at 1313 C Street was constructed in 1949. It is a one-story industrial building with additions on the north and east sides. It is currently occupied by Black Rock Automotive according to signage on the building. The remainder of the site is surface parking lots. The building appears to be in good condition and retain a moderate to high degree of integrity.



Opportunity Site #82 – This site includes two parcels and no buildings.

Opportunity Site #91 – This site includes two parcels and one building. The building at northeast corner of S and 14th Street was built in 1977 and is not historic age.



Opportunity Site #96 – This site includes 26 parcels, five buildings/complexes, and a variety of infrastructure. The buildings at 2127 Front Street are part of the Front Street Animal Shelter. The building at 2200 Front Street is a large warehouse type building that houses the California Automobile Museum. The Pioneer Reservoir Treatment Plant is at 2100-2104 Front Street. The building at 2101 houses SUMP-1 of the Sacramento Department of Utilities system. Along the western boarder of this Opportunity Site are a levee, railroad tracks, and a bike/pedestrian path. The buildings all appear to be in good condition.



2200 Front Street



2127 Front Street



2201 Front Street



2104 Front Street



2101 Front Street



2001 Front Street

Opportunity Site #97 – This site includes one parcel and one building. The building at 1026 R Street was built in 1920 and is listed on the Sacramento Register of Historic and Cultural Resources.



Opportunity Site #101 – This site includes one parcel and one building. The building at 1431 L Street was constructed in 2005. It is not historic age.



Opportunity Site #102 – This site includes one parcel and one building. The building at 1223 J Street was constructed in 1999. It is not historic age.



Opportunity Site #115 – This site includes one parcel and one multi-story building surrounded by landscaping. The building at 720 9th Street, the Gordon D. Schaber Sacramento County Courthouse, was completed in 1965. It was designed by Starks, Jozens and Nacht in the Brutalist style and built by Campbell-Heller-Continental (contractors). The landscaping was designed by Hideo Sasaki and Peter Walker. The bronze and copper fountain was designed and created by San Francisco sculptor Aristides Demetrious.



Opportunity Site #116 – This site includes one parcel and one parking structure. The parking structure on this lot has two levels, one at grade and one elevated above the at-grade parking. It is connected to the building to the south via a pedestrian walkway on the 2nd level. No construction date was determined.



Previous Cultural Resources Studies

A vast number of previous cultural resources studies, involving a variety of methods, have been conducted in the Project Area. The NCIC has reports from over 200 previous cultural resources studies conducted in the Project Area. These range in scope from overviews and desktop analyses, to architectural resource evaluations and archaeological data recovery.

Native American Correspondence

On February 9, 2017, the City sent notices, with Project information and a request to inform the City of any concerns regarding potential Project impacts to cultural resources, were sent out to the two California Native American tribes that had previously provided written requests to receive notification of projects under AB 52: the United Auburn Indian Community (UAIC) and Wilton Rancheria. The notices were received by both tribes on February 13, 2017. Under AB 52, both tribes had until March 15, 2017 (30 days after receiving notification) to request consultation on the Project. The City only received a request for consultation from the UAIC. The City is currently scheduling a meeting with UAIC and additional consultation is pending.

Archaeological Sensitivity Analysis

One goal of this study is to identify areas of the Project Area that may yield archaeological resources, with particular attention given to the relationship between the likelihood of the presence of any such deposits and their potential for significance. This study uses the term “sensitivity” to discuss this relationship, whereby an area with high sensitivity would be an area with both a high likelihood of encountering archaeological deposits and a high likelihood of any such deposits being significant (i.e., qualifying as an historical resource or unique archaeological resource, for CEQA purposes).

Landforms that predate the earliest estimated periods for human occupation of the region are considered to have very low potential for the presence of buried archaeological sites, while those that postdate human occupation are considered to have a higher potential for presence of buried archaeological sites. The degree of buried site potential presence is inversely related to the estimated date range of a landform. Currently, archaeological research indicates that the earliest evidence for human occupation of California dates to the Late Pleistocene, which ended approximately 11,500 BP. Therefore, the potential for presence of buried archaeological deposits in landforms from or predating the Late Pleistocene is very low (Meyer and Rosenthal, 2008:160-161).

As mentioned earlier, the Project Area is underlain by deep Holocene and historic-period/modern alluvium with small areas of wind-blown “dune” deposits (California Division of Mines and Geology, 1971; Meyer and Rosenthal, 2008:Fig. 47, 50); **Figure 5** in Appendix A depicts the Late Quarternary geology of the Project Area. Soils in the Project Area consist of various sandy and silty loams (alluvium) mixed with historic-period and modern fill (USDA, 2016). Given the Late Holocene/historic-period/modern age of the APE’s underlying geologic formation, the potential for buried prehistoric archaeological deposits in undisturbed portions of the Project Area is high (see Meyer and Rosenthal, 2008:115, 160-161). Prior to historic-period and modern development, the Project Area would have been an amenable setting for procurement of the abundant flora and fauna found in the area’s marshes, river channels, and adjacent forests and grasslands. The Project Area would also have been an ideal setting for prehistoric habitation, particularly in the areas of higher ground, notably the Poverty Ridge area and along a north-south corridor of the Project Area spanning 8th, 9th, and 10th Streets (see **Figure 5**). This is supported by the documented presence of several ethnographic villages and prehistoric archaeological sites in and in the vicinity of the Project Area.

Historic-period and modern development activities have heavily disturbed the majority of the Project Area, thereby reducing the potential for both the presence and significance (due to probable loss of integrity) of shallow buried and surficial prehistoric deposits. However, the depth and extent of, and accuracy of records associated with these ground-disturbing activities, varies throughout the Project Area. As such, there is virtually no potential for presence of surficial archaeological resources in the Project Area but there remains a moderate to high potential for presence of buried archaeological resources in the Project Area. The potential for significance of any intact prehistoric archaeological resources in the Project Area is hard to predict and would depend on the nature of the deposit. However, given the relative few number of well documented prehistoric archaeological resources in downtown Sacramento, the potential significance of any such resources would likely be high. Therefore, the archaeological sensitivity of the Project Area for surficial prehistoric deposits is low and high for buried prehistoric deposits.

Additionally, historic-period development activities and associated use in the Project Area may have resulted in the creation of buried historic-period archaeological deposits. Therefore, there is a high potential for presence of buried historic-period archaeological resources in the Project Area. Again, predicting the potential significance of any intact historic-period archaeological resources in the Project Area, if present, is difficult. Based on the known historic-period archaeological resources previously recorded in downtown Sacramento, the potential significance of any intact historic-period archaeological resources in the Project Area is moderate. Therefore, the archaeological sensitivity of the Project Area for historic-period deposits is moderate.

Due to the presence of previously recorded archaeological resources in the Project Area, lack of previous systematic subsurface archaeological survey of the Project Area, presence of recorded ethnographic villages in or in close proximity to the Project Area, and substantial historic-period use of the Project Area, the archaeological sensitivity of the Project Area is low for surficial prehistoric deposits, high for buried prehistoric deposits, and moderate for historic-period deposits.

Field Survey

On August 3, 2016, August 18th, 2016, and February 1, 2017, ESA Architectural Historian Amber Grady conducted an architectural survey of the 89 Opportunity Sites, which included 259 parcels. Not all of the parcels contained buildings (see Table 2 in Appendix D). A total of 83 buildings and structures were present on these parcels at the time of survey, 77 of which appear to be historic age (45 years old or older). This included an exterior examination of all buildings and structures as well as photographing and taking notes of all buildings.

Built Environment Resources Identified

As a result of this study, six historic age built resources were fully evaluated using the criteria discussed in more detail under the Regulatory Framework above. There are four (4) criteria by which the buildings were evaluated. Criterion 1/A recognizes properties associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States. The property must also have an important

association with the event or historic trends – mere association with historic events or trends is not enough to qualify under Criterion 1 (U.S. Department of the Interior, 2002). Criterion 2/B applies to properties associated with the lives of persons important to local, California or national history. The individual's specific contributions to history must be identified and documented. The criterion is generally restricted to those properties that illustrate (rather than commemorate) a person's important achievements and productive life, and must be the property that is most closely associated with that person and the actions for which they are important. Each property associated with an important individual should be compared to other associated properties to identify those that best represent the person's historic contributions (U.S. Department of the Interior, 2002). Criterion 3/C applies to properties that embody the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values. To be eligible under Criterion 3/C, a property must meet at least one of the following requirements: embody distinctive characteristics of a type, period, or method of construction; represent the work of a master; possess high artistic value; or represent a significant and distinguishable entity whose components may lack individual distinction. The first requirement, that properties "embody the distinctive characteristics of a type, period, or method of construction," refers to the way in which a property was conceived, designed, or fabricated by a people or culture in past periods of history. "The work of a master" refers to the technical or aesthetic achievements of an architect or craftsman. "High artistic values" concerns the expression of aesthetic ideals or preferences and applies to aesthetic achievement. A structure is eligible as a specimen of its type or period of construction if it is an important example (within its context) of building practices of a particular time in history (U.S. Department of the Interior, 2002). Criterion 4/D asks whether a property has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation. While most often applied to archeological districts and sites, Criterion 4/D can also apply to buildings, structures, and objects that contain important information. In order for these types of properties to be eligible under Criterion D, they themselves must be, or must have been, the principal source of the important information (U.S. Department of the Interior, 2002). The City of Sacramento has established Landmark and Historic District Eligibility Criteria. The Landmark Eligibility criteria are very similar to the California and National registers and include association with events that have made a significant contribution to the broad patterns of the history of the city, the region, the state or the nation; association with the lives of persons significant in the city's past; distinctive characteristics of a type, period or method of construction; represents the work of an important creative individual or master; possesses high artistic values; and has yielded, or may be likely to yield, information important in the prehistory or history of the city, the region, the state or the nation. The following section presents an evaluation of these resources for listing in the National Register, California Register, and Sacramento Register of Historic and Cultural Resources. Appendix E contains DPR forms that document these resources.

1800 24th Street

Description

The subject property includes a 25,120 square foot (sf) building on a 25,600 sf lot on the southeast corner of 24th Street and Rice Alley. It is a large, single story warehouse with a square

footprint. The building sits on a concrete slab foundation and the walls are poured concrete. The western third of the building appears to be an addition. The western portion of the building has a hipped roof while the remaining appears to be flat.

The east (primary) facade includes an at-grade level metal roll up vehicle door, two elevated loading docks, a single pedestrian door, and metal framed casement and fixed windows. At the north end of this facade one nine paned window is located over the single pedestrian door with three additional windows flanking the door; several glass panes have been replaced with wood and an HVAC unit. The seven windows at the south end of the facade are located high on the facade, with one over each of the two elevated loading docks, and each have 12 panes.

The south facade fronts Rice Alley and includes eight metal framed windows near the roofline on the east end and an elevated loading dock flanked by two metal framed windows. Each of the eight windows on the east end has 12 panes. One elevated truck dock is at the west end of the facade and is flanked by two, twelve paned, metal framed windows. Many of the panes in these windows appear to be broken or replaced. A large mural is located below these windows for the entire length of this facade.

The north facade fronts the light rail tracks that run along R Street. The east end of this facade includes two rows of windows making the building appear to be two stories. The windows are metal framed fixed and awning style. The upper row of windows has six and eight panes while the lower windows have either 3 or 12 panes. Some of the window openings have been filled in. The west end of the north facade has a single pedestrian door, a roll up metal door on an elevated loading dock, and two window openings that appear to have been boarded up from the inside.

The west facade is a solid wall with no window or door openings. The mural from the south facade continues the full length of this facade as well.

Property History

Sacramento's early development is closely tied to the evolution of the railroads. What we now refer to as the R Street Corridor is an example of that close tie with the development of warehouses, commercial distribution centers, and light industrial businesses that sprang up in the late 19th and early 20th centuries after the rail lines were established. The Sacramento Valley Railroad (SVRR) opened for business in 1856; a freight depot with a ticket counter was located near Front and L Streets, and the track ran south along the river, and then eastward along R Street for 22 miles to the terminus in what is now Folsom. Southern Pacific Railroad had freight lines running down the center of R Street and Western Pacific Railroad had lines immediately to the north. In the late 19th century inventions such as the refrigerated rail car and modern canning techniques further boosted the development of industrial uses in Sacramento, specifically the R Street Corridor.

The subject property was developed at least as early as 1915 with a brick warehouse; railroad tracks are also visible on R Street with a railroad siding next to this building on the 1915 Sanborn Map. This building was demolished sometime before 1947 when a historic aerial shows the parcel as vacant. The 1915-1952 Sanborn shows two buildings in the current building footprint

and is labeled “Paper W.Ho” and “Whol. Paper School Supplies & Houseware.” A building permit was issued in 1949 to Valley Paper Co to erect a warehouse at 1800 – 24th Street.

While there are no listings in the 1935, 1940, 1944, 1945, 1946, 1948, 1950, and 1951 City Directories a photo dated 1950 and labeled “Incandescent Supply Co” shows the current building. The 1952 City Directory lists “Valley Paper Co” at the subject property. The 1960 City Directory lists “Incandescent Sup Co” and the 1965, 1970, 1975 and 1992 City Directories lists “Consolidated Elec Distributors lighting equip” and “Consolidated Electrical Distributors elec whol.” The east (primary) façade currently includes a painted sign that reads “CED Consolidated Electrical Distributors.” Based on this archival research it is apparent that this building has been used as a warehouse and commercial showroom, for various types of commercial goods, likely since it was constructed in 1949.

While the previous building(s) on the site were tied to the railroad the currently building appears to be oriented and designed for distribution of goods via trucks. Historic aerials from 1957, 1964, and 1966 show vehicles parked perpendicular to the building on the west, north, and east sides.

Businesses associate with the building over its 65+ year history include Valley Paper Company, Incandescent Supply Co, and Consolidated Electric Distributors. Consolidated Electrical Distributors currently occupies the building and sells automation products for residential, commercial, and industrial use. Archival research did not reveal any detailed information on either the Valley Paper Company or the Incandescent Supply Company.

Evaluation

Criterion 1/A

The subject property is a warehouse along the originally industrial R Street corridor. While the building has been occupied by several local companies, research did not reveal that the property was associated with specific events that have made a significant contribution to the broad patterns of our history. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 1/A.

Criterion 2/B

Research into previous owners and occupants of the property did not reveal any significant associations that would qualify under Criterion 2/B. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 2/B.

Criterion 3/C

The subject property is vernacular and does not represent any particular building style or method of construction. ESA does not recommend the subject property as eligible for the California Register under Criterion 3/C.

Criterion 4/D

The subject property does not appear to yield significant information that would expand our current knowledge or theories of design, methods of construction, operation, or other information

that is not already known, and does not appear to be eligible for the California Register under Criterion 4/D.

City of Sacramento

For the same reasons discussed above ESA is recommending the property ineligible for local listing as an individual resource.

1809 23rd Street

Description

The subject property includes a generally rectangular building with a small, primarily one story, addition that projects out on the east facade. The majority of the building is one story with approximately 1/3 of the building at the south end two stories. The majority of the exterior walls are stucco. There is a wood framed addition on the east façade that is clad in corrugated metal.

The west (primary) façade includes four window openings and 2 single pedestrian doors on the 1st floor and four window openings at the 2nd floor. Three large window openings are located in the center of the façade at the 1st floor; the center opening is glass block and the other two are roll up metal screens. The other window is glass block and is located between the two pedestrian doors. One of the pedestrian doors is surrounded by glass blocks. The 2nd floor windows are metal framed casement windows. A third pedestrian door opening has been filled in at the north end of this façade.

The north façade fronts R Street and the light rail tracks. The wall is blank with no window or door openings.

The east façade is two stories. The 1st floor steps back under the 2nd floor creating covered parking on the west end of this façade. There is a single pedestrian door and a metal roll up vehicle door at the back of the parking area. There is also one metal framed casement window at the east end of the 1st floor.

Property History

Sacramento's early development is closely tied to the evolution of the railroads. What we now refer to as the R Street Corridor is an example of that close tie with the development of warehouses, commercial distribution centers, and light industrial businesses that sprang up in the late 19th and early 20th centuries after the rail lines were established. The SVRR opened for business in 1856; a freight depot with a ticket counter was located near Front and L Streets, and the track ran south along the river, and then eastward along R Street for 22 miles to the terminus in what is now Folsom. Southern Pacific Railroad had freight lines running down the center of R Street and Western Pacific Railroad had lines immediately to the north. In the late 19th century inventions such as the refrigerated rail car and modern canning techniques further boosted the development of industrial uses in Sacramento, specifically the R Street Corridor.

The subject property was developed at least as early as 1915 with a brick warehouse; railroad tracks are also visible on R Street with a railroad siding next to this building on the 1915 Sanborn Map. This building was demolished and the current building constructed in 1942 according to the City's Assessor Records. The 1947 aerial appears to show the current building. The 1915-1951 and 1915-1952 Sanborn maps show "Whol. Meat & Cold Stge" and "BLR Ho" on a building footprint that appears to match the current footprint. There are no listing in the City Directories for 1935, 1940, 1945, and 1947; however, "A J Murphy whol meats" is listed in 1952 and "Made-Rite Sausage Co (plant)" and "Made-Rite Mfg Co Sausage Mfrs" in listed in 1960, 1965, and 1969. The 1970 City Directory lists it as vacant. The building may have also been occupied by Pureta Sausage Co sometime during the 1950s-60s. The 1975 City Directory lists "Professional Food Services vending mach" and in 1982 "Professional Food Flavors (Ofc)" is listed. In 2003 the building was purchased by Fischer Tile & Marble, which also currently occupies 1800 23rd Street.

Evaluation

Criterion 1/A

The subject property is a warehouse along the originally industrial R Street corridor. While the building has been occupied by several local companies research did not reveal that the property was associated with specific events that have made a significant contribution to the broad patterns of our history. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 1/A.

Criterion 2/B

Research into previous owners and occupants of the property did not reveal any significant associations that would qualify under Criterion 2/B. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 2/B.

Criterion 3/C

The subject property is International Style and does not represent an excellent example of the building style or method of construction. ESA does not recommend the subject property as eligible for the California Register under Criterion 3/C.

Criterion 4/D

The subject property does not appear to yield significant information that would expand our current knowledge or theories of design, methods of construction, operation, or other information that is not already known, and does not appear to be eligible for the California Register under Criterion 4/D.

City of Sacramento

For the same reasons discussed above ESA is recommending the property ineligible for local listing as an individual resource.

1800 23rd Street

Description

The subject property includes a 23,088 sf building on a 23,904 sf lot on the northeast corner of 23rd and R streets. It is a large, single story warehouse with a square footprint. The steel-frame building sits on a concrete slab foundation, reinforced concrete walls are clad in stucco, and the building is capped by a triple-bow roof.

The east (primary) facade includes three at-grade level metal roll-up vehicle doors and a single flush pedestrian door. The south end of this facade features two multi-pane, steel-frame industrial windows, and these are partly obscured by vines of climbing plants. The north end of this facade features two expanses of glass block with a continuous brick sill. A horizontal concrete sill above the pedestrian door may mark the location of an earlier window opening. A continuous brick soldier course across the entire facade caps the roll-up doors, steel-frame windows, and expanses of glass block, and the facade terminates in a single brick soldier course.

The south facade fronts Rice Alley and includes six multi-pane, steel-frame industrial windows with concrete sills, and these are capped by a continuous brick soldier course across the entire facade. The windows near the east end of the facade are partly obscured by vines of climbing plants. Several glass panes of three of these windows have been replaced with industrial fan units. A single flush door provides access to a loading dock near the east end of the facade. The facade terminates in a single brick soldier course.

The west facade is a solid wall with no window or door openings.

The north facade fronts the light rail tracks that run along R Street and includes six expanses of glass block with a continuous brick sill and header across the entire facade. Horizontal concrete sills directly below these expanses of glass block may mark the locations of earlier window openings. Below the glass block are three small window openings. The opening on the east end has a concrete sill and is filled with glass blocks. In the center is a recessed opening with two sliding windows and brick infill. The western opening features a single sliding window.

Property History

Sacramento's early development is closely tied to the evolution of the railroads. What we now refer to as the R Street Corridor is an example of that close tie with the development of warehouses, commercial distribution centers, and light industrial businesses that sprang up in the late 19th and early 20th centuries after the rail lines were established. The SVRR opened for business in 1856; a freight depot with a ticket counter was located near Front and L Streets, and the track ran south along the river, and then eastward along R Street for 22 miles to the terminus in what is now Folsom. Southern Pacific Railroad had freight lines running down the center of R Street and Western Pacific Railroad had lines immediately to the north. In the late 19th century inventions such as the refrigerated rail car and modern canning techniques further boosted the development of industrial uses in Sacramento, specifically the R Street Corridor.

The subject property was constructed in 1938 according to the City Assessor's Records. The 1947 aerial photograph appears to show the current building. The 1915-1951 and 1915-1952 Sanborn maps show "Wellman Peck & Co. Whol. Gro." on a building footprint that appears to match the current footprint. There is no listing in the 1935 City Directory; however, "Wellman Peck & Co. whol gro" is listed in 1940, 1945, and 1952. City Directories from 1960 until 1982 alternately list "Henderson Bros auto parts," "Henderson Bros Stores Inc auto," and Henderson Bros Stores Inc distr auto parts." In 1986 the building was sold by Henderson Auto Parts to Fischer Tile & Marble, which also currently occupies 1809 23rd Street.

Businesses associated with the building over its nearly-80-year history include Wellman, Peck & Co. (wholesale grocer), Henderson Bros., Inc. (distributor of automobile parts), and Fischer Tile & Marble (manufacturer of stone and tile units). Wellman, Peck & Co. was founded in 1849 in San Francisco by merchant Bela Wellman. The company grew to 30 employees by 1880 and eventually expanded its operations to Sacramento (exact date unknown), and by 1941 it had become the largest wholesale grocer in California. By 1960, the subject property was occupied by Henderson Bros., Inc., which had at least two other locations at 916 12th Street and near the intersection of 15th and K streets. In 1986, the building was sold to Fischer Tile & Marble, which still occupies it today. Fischer Tile & Marble was established in 1906 in Stockton and opened its first Sacramento location in 1923. The company occupied at least four other locations in Sacramento before purchasing and occupying the subject property.

Evaluation

Criterion 1/A

The subject property is a warehouse along the originally industrial R Street corridor. While the building has been occupied by several local companies research did not reveal that the property was associated with specific events that have made a significant contribution to the broad patterns of our history. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 1/A.

Criterion 2/B

Research into previous owners and occupants of the property did not reveal any significant associations that would qualify under Criterion 2/B. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 2/B.

Criterion 3/C

The subject property is a utilitarian warehouse whose design was influenced by the Streamline Moderne style. It does not represent an excellent example of the building style or method of construction. ESA does not recommend the subject property as eligible for the California Register under Criterion 3/C.

Criterion 4/D

The subject property does not appear to yield significant information that would expand our current knowledge or theories of design, methods of construction, operation, or other information

that is not already known, and does not appear to be eligible for the California Register under Criterion 4/D.

City of Sacramento

For the same reasons discussed above ESA is recommending the property ineligible for local listing as an individual resource.

1730 14th Street

Description

The subject property includes a 19,200 sf building on the northwest corner of 14th and R streets. It is a large, single story warehouse with a rectangular footprint, and it abuts adjacent properties on the west property line. The reinforced concrete building sits on a concrete slab foundation. It is clad in painted brick with a smooth stucco wainscot, and the building is capped by a hipped roof with skylights.

The east (primary) facade includes two recessed entries with single flush pedestrian doors: one in the center of the façade and one near the north end of the façade. Twelve multi-pane, steel-frame industrial windows with concrete wills span the façade. The façade terminates in a roof gutter.

The south façade fronts R Street and includes an at-grade level metal roll-up vehicle in the center of the façade. A single flush pedestrian door flanks the vehicular opening on the west, and an identical pedestrian door is located at the west end of the façade. Across the upper portion of the façade are six multi-pane, steel-frame industrial windows with concrete sills. The façade terminates in a roof gutter.

The north façade fronts the light rail tracks that run along Quill Alley. All fenestration has been filled in with brick, and it is apparent that multiple door and window openings of various sizes were once part of the façade. Concrete window sills can still be seen. The façade terminates in a roof gutter.

Property History

Sacramento's early development is closely tied to the evolution of the railroads. What we now refer to as the R Street Corridor is an example of that close tie with the development of warehouses, commercial distribution centers, and light industrial businesses that sprang up in the late 19th and early 20th centuries after the rail lines were established. The SVRR opened for business in 1856; a freight depot with a ticket counter was located near Front and L Streets, and the track ran south along the river, and then eastward along R Street for 22 miles to the terminus in what is now Folsom. Southern Pacific Railroad had freight lines running down the center of R Street and Western Pacific Railroad had lines immediately to the north. In the late 19th century inventions such as the refrigerated rail car and modern canning techniques further boosted the development of industrial uses in Sacramento, specifically the R Street Corridor.

The subject property was developed at least as early as 1895 with multiple dwellings and one blacksmith shop, according to the Sanborn Map from that year. The 1930 City Directory lists “Parker R A,” who was likely one of the residents at that time. The buildings were demolished sometime before 1939, when the subject property was constructed according to the City Assessor’s Records. The 1947 aerial photograph appears to show the current building with the original footprint. The 1915-1951 and 1915-1952 Sanborn maps show “Elec. Supply W.Ho.” with railroad siding along Quill Alley (the north side of the building) that is disconnected from the main freight line on R Street. There are no listings in the 1935, 1940, and 1945 City Directories. The 1947 City Directory lists “Westinghouse Elec Sup Co.” Westinghouse occupies the site until 1966. City Directories from 1967, 1968, 1969, and 1970 show the “Sacramento Rubber Co mfrs” occupying the building.

Evaluation

Criterion 1/A

The subject property is a warehouse along the originally industrial R Street corridor that was originally occupied by the Westinghouse Electrical Company. Research did not reveal that the property was associated with specific events that have made a significant contribution to the broad patterns of our history. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 1/A.

Criterion 2/B

Research into previous owners and occupants of the property did not reveal any significant associations that would qualify under Criterion 2/B. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 2/B.

Criterion 3/C

The subject property is a simply designed, utilitarian warehouse and does not represent an excellent example of the building style or method of construction. ESA does not recommend the subject property as eligible for the California Register under Criterion 3/C.

Criterion 4/D

The subject property does not appear to yield significant information that would expand our current knowledge or theories of design, methods of construction, operation, or other information that is not already known, and does not appear to be eligible for the California Register under Criterion 4/D.

City of Sacramento

For the same reasons discussed above ESA is recommending the property ineligible for local listing as an individual resource.

915 R Street

Description

The subject property includes an 11,160 sf building on an 11,200 sf lot on the north side of R Street between 9th and 10th streets. It is a single story warehouse with a rectangular footprint, and it abuts an adjacent building on the east property line. The building is of reinforced concrete masonry unit construction, sits on a concrete slab foundation, and is capped by a shingled bow roof.

The south (primary) facade is clad in painted concrete masonry units and includes three metal roll-up doors raised approximately four feet above grade. The door near the west end of the facade is covered by a horizontal, corrugated metal awning with metal braces above, and it is flanked on both sides by steel-frame windows with eight lights. Two more windows flank the eastern pair of roll-up doors. The facade terminates in an unadorned parapet that conceals a gutter.

The west facade is a solid wall with no window or door openings and is clad in painted concrete masonry units. It terminates in an unadorned parapet that conceals a gutter.

The north facade fronts a parking lot accessible from Quill Alley is clad in painted concrete masonry units. The facade features five steel-frame windows, each with eight lights. Two former openings—likely for roll-up doors like those on the south facade—have been covered with painted sheet metal panels. The facade terminates in an unadorned parapet that conceals a gutter.

Property History

Sacramento's early development is closely tied to the evolution of the railroads. What we now refer to as the R Street Corridor is an example of that close tie with the development of warehouses, commercial distribution centers, and light industrial businesses that sprang up in the late 19th and early 20th centuries after the rail lines were established. The SVRR opened for business in 1856; a freight depot with a ticket counter was located near Front and L Streets, and the track ran south along the river, and then eastward along R Street for 22 miles to the terminus in what is now Folsom. Southern Pacific Railroad had freight lines running down the center of R Street and Western Pacific Railroad had lines immediately to the north. In the late 19th century inventions such as the refrigerated rail car and modern canning techniques further boosted the development of industrial uses in Sacramento, specifically the R Street Corridor.

The subject property was developed at least as early as 1895 with multiple dwellings and outbuildings, according to the Sanborn Map from that year. The 1915 Sanborn shows that all of these buildings were demolished sometime before 1915. The 1915-1951 Sanborn shows a vacant lot containing railroad siding accessed by the adjacent Goodwill Tire & Rubber Co. warehouse at 1724 10th Street (a.k.a. 925 R Street). A 1947 aerial photograph shows no buildings on the subject property. According to the City Assessor's Records, the current building was constructed in 1949. The 1915-1952 Sanborn Map shows a "Tire W. Ho." with railroad siding along Quill Alley (the north side of the building), and it appears that it was constructed as an addition to the

Goodwill Tire & Rubber Co. warehouse immediately to the east. In the 1970 City Directory “Marsh Murray B Co Inc fl coverings whol” is listed.

Evaluation

Criterion 1/A

The subject property is a warehouse along the originally industrial R Street corridor that was originally associated with the adjacent property at 1724 10th Street. Research did not reveal that the property was associated with specific events that have made a significant contribution to the broad patterns of our history. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 1/A.

Criterion 2/B

Research into previous owners and occupants of the property did not reveal any significant associations that would qualify under Criterion 2/B. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 2/B.

Criterion 3/C

The subject property is a simply designed, utilitarian warehouse and does not represent an excellent example of the building style or method of construction. ESA does not recommend the subject property as eligible for the California Register under Criterion 3/C.

Criterion 4/D

The subject property does not appear to yield significant information that would expand our current knowledge or theories of design, methods of construction, operation, or other information that is not already known, and does not appear to be eligible for the California Register under Criterion 4/D.

City of Sacramento

For the same reasons discussed above ESA is recommending the property ineligible for local listing as an individual resource.

1724 10th Street

Description

The subject property includes a 28,800 sf building on a 14,400 sf lot on the northwest corner of 10th and R streets. It is a large, single-story-over-raised-basement warehouse with a square footprint, and it abuts an adjacent building on the west property line. The wood-frame building with brick walls and a concrete foundation is capped by a low mansard roof with wood shingles and a flat top. The flat portion of the roof includes more than a dozen smaller roof forms and roof-mounted equipment.

The east (primary) façade is clad in exposed brick on a raised concrete curb, and it is comprised of 10 structural bays. All bays feature a flush concrete header with a vertical wood panel directly

below, and all but one bay have a brick sill. The southernmost bay features a single, at-grade, glazed aluminum door with aluminum-frame transom and sidelights. Counting from the south end of the façade, the second through eighth bays and the tenth northernmost bay include single, fixed aluminum-frame windows with either vertical wood panels or brick infill directly below. The ninth bay is filled in completely with vertical wood panels. The façade terminates in a brick parapet that conceals a gutter.

The south façade fronts R Street and is clad in exposed brick with a smooth concrete wainscot. At the roofline near the center of the façade, a dormer addition with a flat roof is clad in stucco. The dormer includes a fixed, aluminum-frame window with a brick sill, and part of the brick wall has been removed to accommodate the shape of the window. Below the dormer are three window openings with arched brick headers and brick sills. The windows are covered with metal security grates. Flanking the arched windows are five recessed openings with concrete headers, two on the west end of the façade and three on the east end. Each opening includes a single, fixed aluminum-frame window with a brick sill and brick infill below. A narrow external brick chimney is located near the east end of the façade. Several small square openings a few inches above grade are located at irregular intervals across the base of the façade. Three of these appear to be window openings that are covered with metal security grates, and three others are covered by metal panels with exterior-mounted mechanical units. The façade terminates in a brick parapet that conceals a gutter.

The north façade fronts the light rail tracks that run along Quill Alley, and it is clad in painted brick. There are two window openings with arched brick headers and brick sills, and these are covered with metal security grates. Three rectangular openings with brick sills include either one or two fixed, aluminum-frame windows. Several small square window openings are located at irregular intervals across the base of the façade and are covered with metal security grates. The façade terminates in a brick parapet that conceals a gutter.

Property History

Sacramento's early development is closely tied to the evolution of the railroads. What we now refer to as the R Street Corridor is an example of that close tie with the development of warehouses, commercial distribution centers, and light industrial businesses that sprang up in the late 19th and early 20th centuries after the rail lines were established. The SVRR opened for business in 1856; a freight depot with a ticket counter was located near Front and L Streets, and the track ran south along the river, and then eastward along R Street for 22 miles to the terminus in what is now Folsom. Southern Pacific Railroad had freight lines running down the center of R Street and Western Pacific Railroad had lines immediately to the north. In the late 19th century inventions such as the refrigerated rail car and modern canning techniques further boosted the development of industrial uses in Sacramento, specifically the R Street Corridor.

The subject property was developed at least as early as 1895 with multiple dwellings and outbuildings, according to the Sanborn Map from that year. The 1915 Sanborn shows that all of these buildings were demolished sometime before 1915 and replaced with one duplex building on an otherwise vacant property. The 1915-1951 and 1915-1952 Sanborns show a "Goodyear Tire & Rubber Co" warehouse on the site. On the earlier map, railroad siding from the freight line along

Quill Alley provided access to the building's west façade, and the later map shows that the railroad siding was moved to the building's north façade. According to building permits, the building was owned by T. Swanston in 1950, Florence Swanston in 1961, the Farber Bros. in 1973-1974, and S. Farber in 1976. Goodyear Tire & Rubber Company is listed in the City Directories from 1927-1966. The property is listed as vacant in 1967 and 1968 and no listing appears in the 1969, 1970, and 1975 directories. "Farber Brothers Distributing Co whol gro" is listed in 1982.

Evaluation

Criterion 1/A

The subject property is a warehouse along the originally industrial R Street corridor that was originally occupied by the Goodyear Tire & Rubber Co. By the time the building was constructed in 1920, Goodyear had become the largest tire company in the world, with operations throughout North and South America, Africa, and Australia. However, the subject property was not part of the company's revolutionary product development or manufacturing, and for this reason it does not appear to have been associated with specific events that have made a significant contribution to the broad patterns of our history. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 1/A.

Criterion 2/B

Research into previous owners and occupants of the property did not reveal any significant associations that would qualify under Criterion 2/B. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 2/B.

Criterion 3/C

The subject property is a simply designed, utilitarian warehouse and does not represent an excellent example of the building style or method of construction. ESA does not recommend the subject property as eligible for the California Register under Criterion 3/C.

Criterion 4/D

The subject property does not appear to yield significant information that would expand our current knowledge or theories of design, methods of construction, operation, or other information that is not already known, and does not appear to be eligible for the California Register under Criterion 4/D.

City of Sacramento

For the same reasons discussed above ESA is recommending the property ineligible for local listing as an individual resource.

CHAPTER 5

Results Summary, Conclusions, and Recommendations

Results Summary

Architectural Resources

There are 259 parcels on the 89 Opportunity Sites within the DSP. There are two listed City Landmarks on two of the DSP Opportunity Sites; the Thomas Jefferson Elementary School (1619 N Street, Opportunity Site #42), the Marshall Elementary School (2718 G Street, Opportunity Site #50) and 1026 R Street (Opportunity Site #97). Opportunity Sites are also located within four City of Sacramento historic districts; the 1200-1300 Q Street, R Street, Memorial Auditorium, and Alkali Flat West historic districts. The City then identified six buildings (1800 24th Street, 1800 23rd Street, 1730 14th Street, 915 R Street, 1724 10th Street, and 1720 8th Street) on four Opportunity Sites (#14, 24, 28, and 31) for full evaluation for the National Register, California Register, and local listing. ESA is recommending that the six buildings identified above on Opportunity Sites 14, 24, 28, and 31 are ineligible for listing in the National Register, California Register, and local listing.

Archaeological Resources

Twenty-six archaeological resources have been previously recorded in the Project Area, two of which are recorded within the limits of Opportunity Sites: P-34-000722 and P-34-002358. In addition to previously recorded archaeological resources in Opportunity Sites, 29 Opportunity Sites are within 200 feet of previously recorded archaeological resources.

Based on the locations of previously recorded archaeological resources in the Project Area, lack of previous systematic subsurface archaeological survey of the Project Area, presence of recorded ethnographic villages in or in close proximity to the Project Area, and substantial historic-period use of the Project Area, the archaeological sensitivity of the Project Area is low for surficial prehistoric deposits, high for buried prehistoric deposits, and moderate for historic-period deposits.

Recommendations

Architectural Resources

There are a large number of historic-age buildings in the DSP that have not been evaluated as historical resources. Projects within the DSP have the potential to significantly impact both previously identified and not yet identified architectural resources. However, the City already has established policies and procedures to identify and protect these types of resources as specific projects apply for various permits and application processes.

Archaeological Resources

Due to the Project Area's sensitivity for buried prehistoric and historic-period archaeological material, documented ethnographic villages in the vicinity of the Project Area, potential for tribal cultural resources in the Project Area, and lack of previous systematic archaeological subsurface survey of the Project Area, the Project has the potential to impact historical resources and tribal cultural resources. ESA recommends the following measures be completed to ensure that the Project does not result in a significant impact to archaeological resources, both those that qualify as historical resources and unique archaeological resources, and tribal cultural resources, for CEQA purposes:

- Consult with relevant Native American representatives to address the identification of tribal cultural resources and potential Project impacts on other historical resources.
- Conduct an archaeological pedestrian and subsurface survey, if feasible, of areas of proposed ground disturbance prior to approval of the work/action.
- If archaeological resources are identified during the pedestrian and subsurface survey of an area of proposed ground disturbance, conduct archaeological testing to of the identified archaeological resources to determine if they qualify as an historical resource or unique archaeological resource, pursuant to CEQA purposes.
- If, through archaeological survey and testing, an historical resource or unique archaeological resource is identified in an area that may be impacted by the Project, modify the Project to avoid impacts to the resource or prepare and implement a detailed treatment plan to guide data recovery of the resource through recovering the scientifically consequential information from the resource, as mitigation. Treatment for most resources would consist of (but not necessarily be limited to sample excavation, artifact collection, site documentation, and historical research, with the aim to target the recovery of important scientific data contained in the portion(s) of the significant resource to be impacted by the Project. The treatment plan shall include provisions for analysis of data in a regional context, reporting of results within a timely manner, curation of artifacts and data at an approved facility, and dissemination of reports to local and state repositories, libraries, and interested professionals.
- Conduct archaeological monitoring for all Project ground-disturbing activities within 200 ft of recorded archaeological resources. If the resource has association with Native Americans, a Native American monitor will also participate in the monitoring.

- Should archaeological resources or human remains be inadvertently discovered during any Project ground-disturbing work, the following procedures should be implemented:

If prehistoric or historic-period archaeological resources are encountered by the archaeological monitor, Native American monitor, or construction personnel during Project implementation, all construction activities within 100 ft shall halt until a qualified archaeologist, defined as one meeting the Secretary of the Interior's Professional Qualification Standards for Archeology, can assess the significance of the find. Prehistoric archaeological materials might include obsidian and chert flaked-stone tools (e.g., projectile points, knives, scrapers) or toolmaking debris; culturally darkened soil ("midden") containing heat-affected rocks, artifacts, or shellfish remains; and stone milling equipment (e.g., mortars, pestles, hand stones, or milling slabs); battered stone tools, such as hammer stones and pitted stones. Historic-period materials might include stone, concrete, or adobe footings and walls; filled wells or privies; and deposits of metal, glass, and/or ceramic refuse.

If the City, through consultation with the qualified archaeologist and relevant Native American representatives (to identified by the NAHC if the resource is Native American in origin), determines that the archaeological resource encountered may qualify as an historical resource and/or unique archaeological resource, under CEQA, construction shall cease in an area determined by the archaeologist until a mitigation plan has been prepared and implemented to the satisfaction of the archaeologist (and Native American representatives, if applicable).

The mitigation plan shall recommend preservation in place, as a preference, or, if preservation in place is not feasible, data recovery through excavation. If preservation in place is feasible, this may be accomplished through one of the following means: (1) modifying the construction plan to avoid the resource; (2) incorporating the resource within open space; (3) capping and covering the resource before building appropriate facilities on the resource site; or (4) deeding the resource site into a permanent conservation easement. If preservation in place is not feasible, a qualified archaeologist shall prepare and implement a detailed treatment plan to recover the scientifically consequential information from the resource prior to any archaeological excavation of the resource. Treatment for most resources would consist of (but not necessarily be limited to) sample excavation, artifact collection, site documentation, and historical research, with the aim to target the recovery of important scientific data contained in the portion(s) of the significant resource to be impacted by the Project. The treatment plan shall include provisions for analysis of data in a regional context, reporting of results within a timely manner, curation of artifacts and data at an approved facility, and dissemination of reports to local and state repositories, libraries, and interested professionals.

If potential human remains are encountered, all work will halt within 100 ft of the find and the City will be contacted by onsite construction crews. The City will contact the Sacramento County coroner in accordance with California Public Resources Code (PRC) § 5097.98 and California Health and Safety Code § 7050.5. If the coroner determines the remains are Native American, the coroner will contact the NAHC. As provided in PRC § 5097.98, the NAHC will identify

the person or persons believed most likely to be descended from the deceased Native American. The most likely descendent will make recommendations for means of treating, with appropriate dignity, the human remains and any associated grave goods as provided in PRC § 5097.98.

CHAPTER 6

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Appendix A

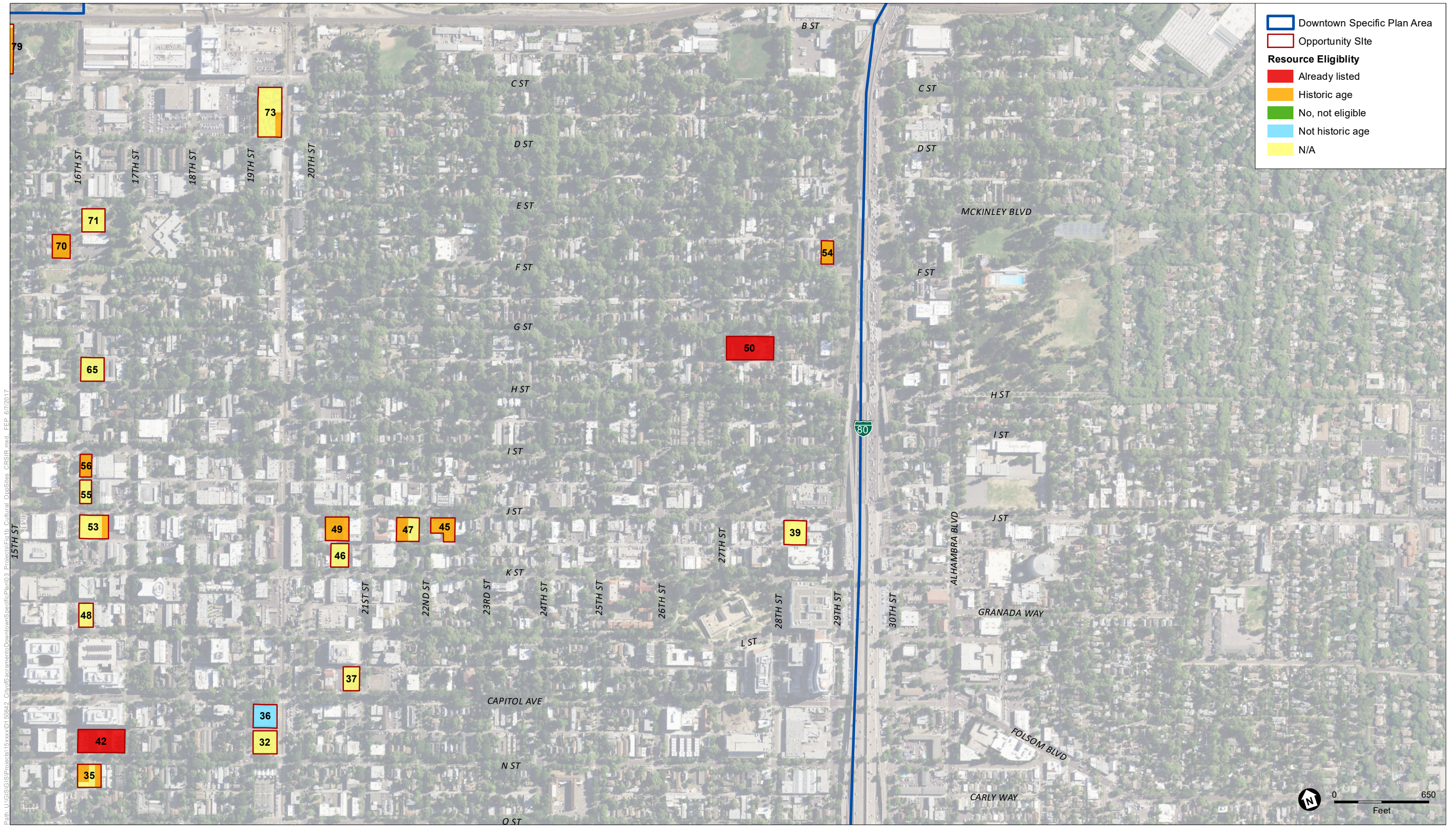
Maps



SOURCE: USDA, 2014; City of Sacramento, 2017; ESA, 2017

Sacramento Downtown Specific Plan

Figure 1a
Tier 1 Opportunity Sites and Eligibility of Individual Resources

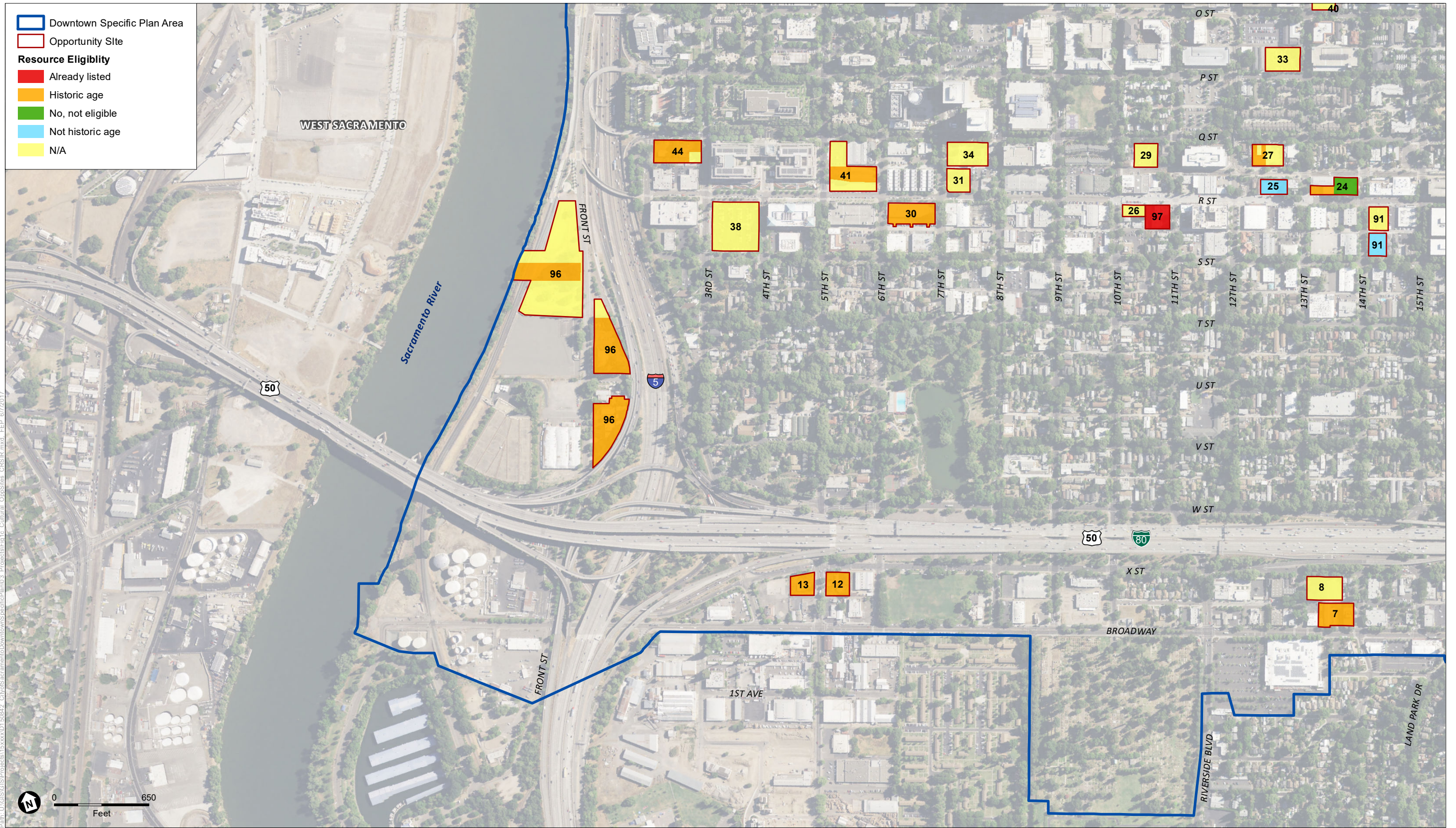


SOURCE: USDA, 2014; City of Sacramento, 2017; ESA, 2017

Sacramento Downtown Specific Plan

Figure 1b
Tier 1 Opportunity Sites and Eligibility of Individual Resources

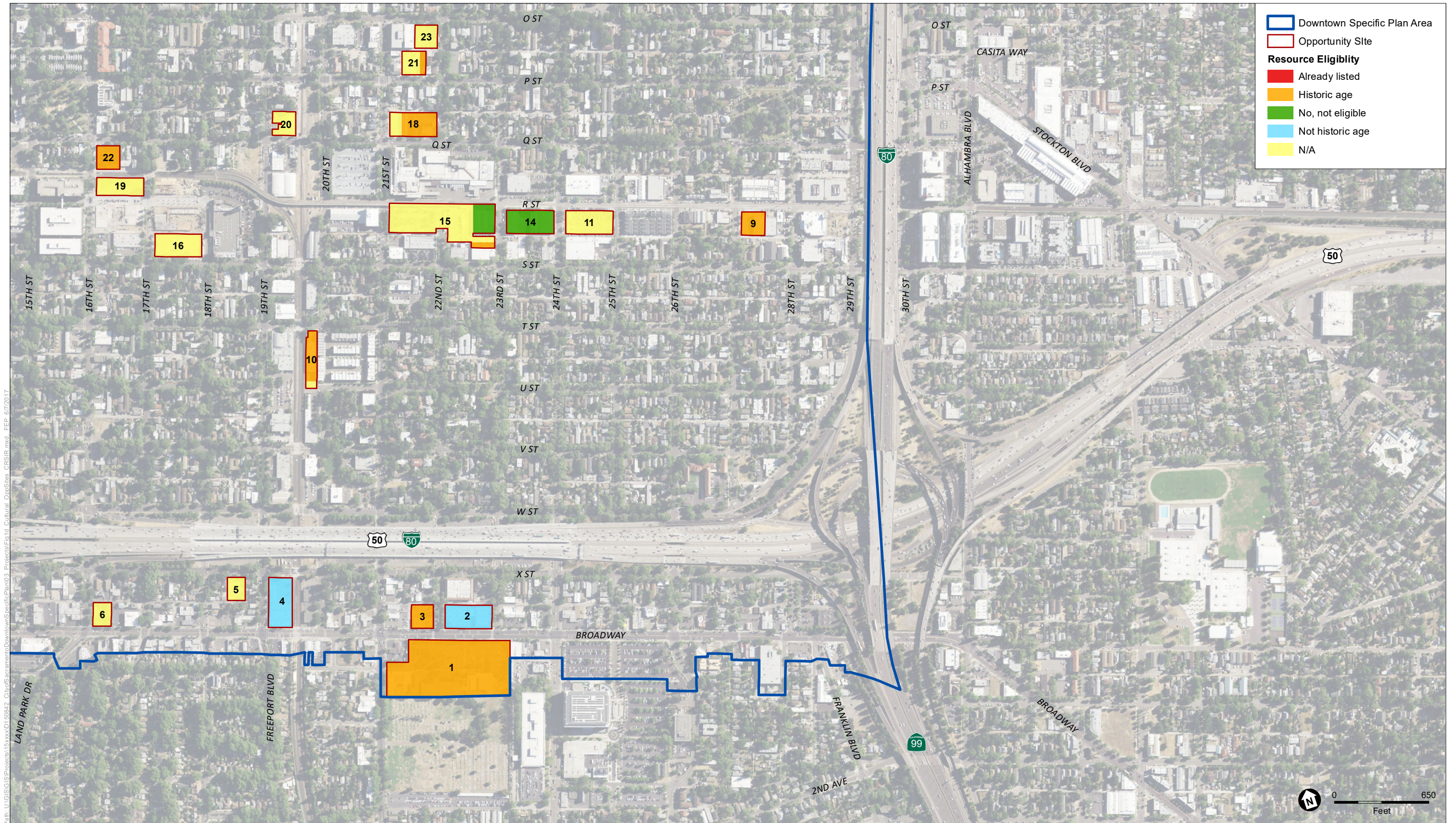




SOURCE: USDA, 2014; City of Sacramento, 2017; ESA, 2017

Sacramento Downtown Specific Plan

Figure 1c
Tier 1 Opportunity Sites and Eligibility of Individual Resources



SOURCE: USDA, 2014; City of Sacramento, 2017; ESA, 2017

Sacramento Downtown Specific Plan

Figure 1d
Tier 1 Opportunity Sites and Eligibility of Individual Resources



Appendix B

Author Resumes



Robin Hoffman, MA, RPA

Senior Archaeologist

EDUCATION

M.A., Latin American and Iberian Studies, University of California, Santa Barbara

B.A., Anthropology (Archaeology Emphasis), Central Washington University

13 YEARS EXPERIENCE

CERTIFICATIONS/REGISTRATION

Register of Professional Archaeologists

40-Hour Hazardous Waste Operations and Emergency Response

Wilderness First Aid and CPR, Wilderness Leadership Institute

PROFESSIONAL AFFILIATIONS

Society for California Archaeology

AWARDS

Best M.A. Thesis (2009), University of California Santa Barbara, Latin American and Iberian Studies Program

Robin is a Registered Professional Archaeologist and meets the Secretary of Interior's Standards for Archeology and History, and Society for California Archaeology Professional Qualifications for Principal Investigator. He has over a decade of experience in environmental consulting as project manager, archaeologist, cultural anthropologist, historian, and GIS specialist. His wide range of work has ranged from desktop analyses and feasibility studies to data recovery and Programmatic Agreements, with project deliverables including plans and reports for survey and inventory, testing and evaluation, data recovery, and monitoring; EIS, EA, EIR, and IS sections; Programmatic Agreements; and feasibility studies, among others.

Robin's work has included coordination with a large number of federal, state, and local agencies throughout California, Oregon, Washington, Montana, Idaho, Nevada, Utah, Arkansas, Florida, Louisiana, Texas, Mississippi, and Alabama. Robin also has considerable experience with Native American consultation with tribes throughout California, Washington, Montana, Wyoming, North Dakota, and South Dakota. His projects have included compliance for: NEPA, CEQA, NHPA Sections 106 and 110, U.S. DOTA Section 4(f), Clean Water Act Sections 404 and 408, FERC relicensing, and CERCLA, among others.

Relevant Experience

California Department of Water Resources, Rodent Abatement and Damage Repair Activities Project, Northern California. *Principal Investigator.* Robin acted as Principal Investigator for an archaeological sensitivity analysis for this operations and maintenance project for over 300 miles of levees and channels throughout Northern California. Tasks included background research, sensitivity mapping, reporting. Deliverable consisted of an Archaeological Sensitivity Analysis and GIS database. Work was conducted to support future Section 106 and CEQA compliance, with USACE and California Department of Water Resources as lead reviewing agencies.

Reclamation District 348/Wagner and Bonsignore Consulting Civil Engineers, Grizzly Slough Floodplain Habitat Project, Sacramento County, CA. *Principal Investigator, Field Director, Report Author.* Robin is acting as Principal Investigator for the cultural resources analysis for this floodplain restoration project in the Sacramento Delta. Tasks include background research, pedestrian survey, mapping, and associated reporting. Deliverables will be a Cultural Resources Inventory and Evaluation Report. Work is being conducted as part of Section 106 and CEQA compliance, with USACE and California Department of Water Resources as lead reviewing agencies.

East Bay Regional Parks District, McCosker Stream Restoration Project, Contra Costa County, CA. *Principal Investigator, Archaeology Field Director, Report Author.* Robin is acting as Principal Investigator for the cultural resources analysis for this stream restoration project. Tasks include background research, pedestrian survey, mapping, and associated reporting. Deliverables include a Cultural Resources Inventory and Evaluation Report. Work is being conducted as part of NEPA/Section 106 compliance, with USACE as lead reviewing agency.

West Stanislaus Irrigation District, Fish Screen Replacement Project, Westley, CA. *Principal Investigator, Archaeology Field Director, Report Author.* Robin is acting as Principal Investigator for this project adjacent to the San Joaquin River. Tasks include background research, pedestrian survey, geoarchaeological analysis, and associated reporting. Deliverables include a Cultural Resources Inventory and Evaluation Report. Work is being conducted as part of NEPA/Section 106 and CEQA compliance, with the U.S. Bureau of Reclamation and West Stanislaus Irrigation District as lead reviewing agencies.

Kleinfelder, Inc., Chabot Dam Seismic Upgrade Project, Alameda County, CA. *Principal Investigator, Report Author.* Robin acted as Principal Investigator for archaeological monitoring and reporting for this dam seismic upgrade project. Tasks included pedestrian survey and evaluation of an historic-period archaeological site, and a letter report on findings. Work was conducted as part of CEQA compliance (mitigation), with East Bay Municipal Utility District as lead reviewing agency.

County of Napa Public Works Department, Napa River Restoration Project-Oakville to Oak Knoll Reach, Napa County, CA. *Principal Investigator, Archaeology Field Director, Report Author.* Robin is acting as Principal Investigator for this river restoration project of the Napa River. Tasks include archaeological subsurface survey, archaeological testing, reporting, and supporting Native American consultation. Deliverables include a Cultural Resources Inventory and Evaluation Report. Work is being conducted as part of NEPA/Section 106 compliance, with the USACE as lead reviewing agency.

Carollo Engineers, Inc., City of Sacramento Accelerated Water Meter Program, Sacramento, CA. *Principal Investigator, Report Author.* Robin is acting as Principal Investigator for this water meter and water main installation and replacement project throughout Sacramento. Work includes background research, desktop archaeological analysis, and supporting Native American consultation. Deliverables include a Cultural Resources Inventory Report (CRIR) and associated SHPO consultation letter. Work is being conducted as part of NEPA/106 and CEQA compliance, with the CA State Water Resources Control Board and the City of Sacramento as lead reviewing agencies.

San Bernardino Valley Municipal Water District, Phase I Project, San Bernardino County, CA. *Archaeologist, Report Author.* Robin authored the CRSIR for a municipal water main replacement and improvements project. Deliverable consisted of a CRSIR and associated SHPO consultation letter. Work was conducted as part of NEPA/106 and CEQA compliance, with the CA State Water Resources Control Board and the San Bernardino Valley Municipal Water District as lead reviewing agencies.



Amber L. Grady

Managing Associate

EDUCATION

M.A., Historic Preservation, Savannah College of Art & Design, Savannah, GA

B.A., Interior Design with a minor in Art History, California State University, Chico

16 YEARS EXPERIENCE

CERTIFICATIONS/ REGISTRATION

[insert text]

PROFESSIONAL AFFILIATIONS

California Preservation Foundation

Society of Architectural Historians

AWARDS

[insert text]

Amber Grady is an expert in NEPA, CEQA, and Section 106 of the NHPA compliance with over 16 years of experience in cultural resources management. Amber has extensive experience in California architectural history with an emphasis on northern California. Her cultural resources management experience includes archival research, historic building and structure surveys and evaluations, and cultural resources documentation for NEPA and CEQA projects ranging from single building evaluations to district-wide surveys. Previously, Amber served as the Cultural Resources Manager for the State of California for the California Army National Guard (CA ARNG). At the CA ARNG Amber managed the cultural resources program, which included the management of over 100 archaeological sites as well as the State's historic armories and supervising three full time archaeologists. Prior to joining the CA ARNG Amber worked for the California Energy Commission as an Architectural Historian where she worked on a variety of energy project including one of the largest solar projects in California as the Cultural Resources lead. Prior to that Amber worked as an Architectural Historian and Project Manager for another employer on a variety of projects throughout California and Nevada completing project for City's, school districts, and private sector clients. Amber began her career in the public sector working as a planner for both the County of Santa Clara and the City and County of San Francisco. Amber's expertise includes all phases of environmental compliance from documentation to compliance during construction.

Relevant Experience

260 E San Antonio Road Local Landmark Evaluation, Long Beach, CA. ESA evaluated the property for City of Long Beach Local Landmark status. Amber was the Lead Architectural Historian on the project, who was responsible for the research, survey, evaluation, and report completion.

VIP Records Sign, Long Beach, CA. *Senior Architectural Historian.* ESA evaluated the property for City of Long Beach Local Landmark status. Amber was the Lead Architectural Historian on the project, who was responsible for the research, survey, evaluation, and report completion.

Fly DC Jets Sign, Long Beach, CA. *Senior Architectural Historian.* ESA evaluated the property for City of Long Beach Local Landmark status. Amber was the Lead Architectural Historian on the project, who was responsible for the research, survey, evaluation, and report completion.

Los Angeles Unified School District (LAUSD) President Elementary School Historic Resources Evaluation, Harbor City, CA. *Senior Architectural Historian.* This is one of many historic resources evaluations that ESA has done for LAUSD. Amber assisted in the completion of the Historic Resources Evaluation report, which will be used in support of the Environmental Compliance documents.

LAUSD 6th Avenue Elementary School, Los Angeles, CA. *Senior Architectural Historian.* This is one of many historic resources evaluations that ESA has done for LAUSD. Amber assisted in the completion of the Historic Resources Evaluation report, which will be used in support of the Environmental Compliance documents.

LAUSD Thomas Jefferson High School Comprehensive Modernization Project, Los Angeles, CA. *Senior Architectural Historian.* ESA is in the process of preparing an IS/MND for this project. Thomas Jefferson High School is eligible for the National Register of Historic Places. In addition to writing the Cultural Resources portion of the IS/MND Amber is consulting with LAUSD and their architectural/construction team to design their project to avoid impacts to the character-defining features of the campus.

City of Sacramento, Swanston Station Transit Village Specific Plan EIR, Sacramento, CA. The Swanston Station Transit Village Plan (SSTVP) was prepared to implement transit-oriented development around the Swanston Light Rail Station in Sacramento's North Sacramento Community Plan Area by providing goals, policies and objectives, and implementation measures that will guide land use and development decisions around the station for 20 years. A series of concepts to construct an intermodal transit center linking the light rail service with bus service at the Swanston Station for the Sacramento Regional Transit District was developed. Amber was responsible for preparing the cultural resources and visual quality sections of the EIR.

California High-Speed Rail Project, Environmental Compliance for San Francisco to San Jose Segment, CA. *Senior Architectural historian, Topic Leader for Cultural Resources, Task Leader for Historic Architecture.* Amber was the Senior Architectural Historian on the project as well as the Topic Leader for Cultural Resources. Topic leader duties included coordinating the recording/evaluating efforts for Archaeological, Historic Architectural, and Paleontological resources. As the Senior Architectural Historian Amber and her team surveyed over 6,000 buildings/structures resulting in the evaluation of over 300 for National Register of Historic Places (National Register) and California Register of Historical Resources (California Register) eligibility.

Rio Mesa Solar Project. *Cultural Resources Lead/Built Environment Specialist.* The Rio Mesa Solar Electric Generating Facility consisted of two 250-megawatt solar concentration thermal power plants situated on the Palo Verde Mesa in Riverside County, California. A common facilities area included a combined administration, control, and maintenance facilities, a water treatment facility, and switchyard. The project total area, including the shared facilities and gen-tie line, was approximately 3,960 acres. Amber was responsible for coordinating the work of 3-4 staff and completing the built environment analysis of the Cultural Resources Section of the Staff Assessment.



Johanna Kahn

Associate

EDUCATION

Master of Architectural History + Certificate in Historic Preservation, University of Virginia

Bachelor of Architecture, California Polytechnic State University, San Luis Obispo

International Program in Florence, Italy, Art & Architectural History, California State University

8 YEARS EXPERIENCE

PROFESSIONAL AFFILIATIONS

California Preservation Foundation

San Francisco Heritage

Johanna is an architectural historian supporting ESA's Cultural Resources Group. Her role entails conducting field surveys and archival research at local repositories in order to document and evaluate historic resources for eligibility for the National and California Registers. Additionally, Johanna writes technical reports that meet federal, state, and local requirements and has completed evaluations for historic buildings, structures, and districts across the San Francisco Bay Area and Central California. She is also experienced in museum operations, grant writing, and fundraising for non-profits.

Relevant Experience

Section 106 Studies for the Mayor's Office of Housing and Community Development, San Francisco, CA. *Architectural Historian.* Johanna has surveyed, researched, and evaluated buildings identified as sites for proposed high-density residential development.

1100 Broadway, Oakland, CA. *Architectural Historian.* Johanna analyzed a proposed high-rise development project in the Downtown Oakland Historic District according to the Secretary of the Interior's Standards for Rehabilitation.

Masonic Homes, Union City, CA. *Architectural Historian.* Johanna surveyed the Masonic Home at Union City campus to confirm the continued existence of contributing features. She prepared an Updated Historic Resources Evaluation Memo that in turn informed the Initial Study.

Surveys and evaluations of buildings and structures in San Francisco, Alameda, Sacramento, San Mateo, Santa Cruz, and San Diego counties.

Prior to ESA

2035 Sacramento General Plan Update, Sacramento, CA. *Architectural Historian.* Prior to ESA, Johanna prepared city-wide context statements about the history of railroads and agricultural industries in Sacramento and how they shaped the fabric of the city. The project entailed archival research and survey.

Veterans Affairs Health Care System, Menlo Park Division, Menlo Park, CA. *Architectural Historian.* Prior to ESA, Johanna prepared a Built Environment Survey Report for this VA campus as part of the Section 106 process. The project entailed archival research, client coordination, and survey of 65 buildings and one potential historic district.

St. Joseph's Church, San Francisco, CA. *Architectural Historian.* Prior to ESA, Johanna prepared the Part 2 application for a 20% federal historic rehabilitation tax credit to convert this historic church to office use. St. Joseph's Church is a city landmark and is listed in the National and California registers. The project entailed extensive coordination with the client and project architect as well as survey.

San Francisco Recreation and Park Department, San Francisco, CA. *Architectural Historian.* Prior to ESA, Johanna completed a number of projects for this client over the course of several years. These included historic resource

evaluations for public convenience stations (restroom facilities) in Washington Square and Alamo Square Park as well as design consultation for rehabilitating two public convenience stations on the Great Highway. These projects entailed archival research, client coordination, and survey.

Page & Turnbull, San Francisco, CA. *Architectural Historian.* Johanna has completed numerous historic resource evaluations, historic structure reports, and historic context statements. She has prepared Historic American Building Survey (HABS) documentation, Federal Tax Credits for Rehabilitating Historic Buildings applications, certificate of appropriateness applications, peer reviews, and design guidelines and consultation.

Triton Museum of Art, Santa Clara, CA. *Development Associate.* Johanna's responsibilities included grant writing, reporting, and research to fund programs of this contemporary art museum. Additionally, she directed the restructuring and implementation of membership benefits, coordinated numerous donor appreciation/cultivation efforts and fundraising campaigns, and managed the museum's large member/donor database.

Arts Benicia, Benicia, CA. *Development Associate.* Johanna managed all development activities in order to support ongoing programs and operations of this community arts center. She managed year-round sponsorship campaigns and appeals while collaborating with committees to develop long-term plans for membership and fund development. Johanna supported the planning and organizing of events and receptions, as well as volunteer and donor recognition.

Peggy Guggenheim Collection, Venice, Italy. *Museum Intern.* As part of a select group to act as the face of this prestigious modern art museum, Johanna led public tours of the galleries and gave talks about the museum's history and the important role it played in the international art scene of the twentieth century. She gained experience in many aspects of museum operations including security, ticketing, and merchandise sales.

Dahlin Group Architecture Planning, Pleasanton, CA. *Intern Architect.* As an intern architect, Johanna produced construction documents and details using computer drafting, facilitated client and consultant coordination, and performed materials research. Her experience includes construction administration, filing building permits, and city submittals. She was a team member of several award-winning housing developments in the San Francisco Bay Area.



Katherine Anderson

Managing Associate I

EDUCATION

Masters of Arts in Public History, California State University, Sacramento

B.A., History, Minor in Women's Studies and Anthropology/Geography, California Polytechnic State University, San Luis Obispo

10 YEARS EXPERIENCE

CERTIFICATIONS/ REGISTRATION

Section 106 training, Advisory Council for Historic Preservation

GIS for Resource Managers, UC Davis

PROFESSIONAL AFFILIATIONS

California Council for the Promotion of History

California Preservation Foundation

Kathy is a cultural resources analyst involved with a variety of ESA projects involving historic period structures, buildings, and districts. Her role entails establishing a base historical context for the respective projects, conducting archival review at regional and state repositories, documenting and evaluating historic resources for eligibility for the National and California Registers, and drafting technical reports meeting Federal, State, and Local requirements. Kathy has completed evaluations for pre and post-World War II residential and commercial buildings, water conveyance systems, mining and industrial buildings and structures, airports, as well as historic period roads, trails, and railway features. Kathy has experience working in projects located throughout the Central Valley, as well as Sierra Nevada, Southern California, and western Nevada.

Relevant Experience

Sacramento Entertainment and Sports Center & Related Development Environmental Impact Report, Sacramento, Sacramento County, CA. *Cultural Resource Analyst.* ESA assisted the developer and City of Sacramento in meeting its CEQA impact mitigation requirements. Representatives of the National Basketball Association (NBA) Sacramento Kings' retained ESA to prepare the Environmental Impact Report for the Sacramento Entertainment and Sports Center & Related Development. The project includes not just the new 675,000 square feet, 17,500-seat arena, but also approximately 1.5 million square feet of retail, office, hotel and residential uses. Kathy completed the Environmental Impact Report analysis for architectural history, assisted in the completion of the cultural resources section of the Environmental Impact Report, and conducted archival research supporting the Archaeological Treatment Plan completed in compliance with mitigation requirements.

SFPUC WSIP San Francisco Recycled Water Project. *Historic Architecture Analyst.* Kathy assisted in updating analysis of historic architecture for the San Francisco Water Supply Improvement Program Recycled Water Project. The proposed project will include recycled water treatment, storage, and distribution facilities for users located on the west side of San Francisco. Water will be treated to a tertiary level at the Oceanside Recycled Water Treatment Facility, and a network of pipelines will distribute the recycled water to a series of reservoirs and pump stations, including the Golden Gate Park Reservoir & Pump Station, the Booster Pump Station at Golden Gate Park, and the Lincoln Park Reservoir & Pump Station located near Lincoln Park Golf Course.

City of Fresno Recycled Water Distribution System Project, Fresno, CA, *Cultural Resources Analyst.* ESA is assisting the City in the preparation of CEQA Plus environmental clearance document for installation of approximately 23 miles of recycled water pipeline and a new pump station to distribute recycled water to the Southwest Quadrant of the City of Fresno. Kathy's responsibilities included archival review of the project area, field survey, identification of historic

structures within the project area (which included historic residences, irrigation ditches and canals, and railroads), and recommendations for mitigation to minimize impacts to cultural resources.

Sacramento Railyards Specific Plan Update, Sacramento, CA. *Cultural Resource Analyst.* ESA is preparing a subsequent Environmental Impact Report for the Sacramento Railyards Specific Plan, which was last approved in 2007. The project calls for the development of more than 12,000 residential units, 1.8 million sf of retail space, approximately 3 million sf of office space, over 1 million sf of cultural space in adaptively reused historic railroad structures, the addition of a 20,000-seat MLS Stadium, and an approximately one million square foot medical center. Kathy compiled the cultural resource analysis based on updated information from the 2007 document, and analyzed the potential impacts to architectural resources resulting from the proposed project changes.

City of Sacramento Ornamental Streetlights, Sacramento, CA. *Architectural Historian.* The City of Sacramento retained ESA to assess existing ornamental street lights in the Curtis Park and Land Park neighborhoods for their historic significance under state and local register criteria. Kathy's responsibilities included archival research at local repositories, interviews with knowledgeable individuals, and field review. ESA determined the streetlights to not be individually eligible for listing in the National, California, or Sacramento registers, nor were they determined eligible as a district.

Ice Blocks Tiered IS-MND, Sacramento, CA. *Cultural Resource Analyst.* ESA provided an MND for the Ice Blocks Development, an infill mixed use development located on three city half blocks of old warehouse buildings along the R Street corridor from 16th Street east to 18th Street in the City of Sacramento. Kathy provided cultural resource analysis of the site, based on cultural resource analysis completed by subconsultants.

2730 Capitol Ave Evaluation, Sacramento CA. *Architectural Historian.* ESA conducted a historic resource evaluation report of the 1926 building at 2730 Capitol Avenue, evaluating the resource under local, State, and National Register Criteria. This included archival review at local repositories, field documentation, and resource evaluation. The building was recommended ineligible for listing in the local, state, or National Registers due to a lack of significant associations as well as physical integrity.

2200 Stockton Blvd. Historic Evaluation, Sacramento CA. *Architectural Historian.* ESA conducted a historic resource evaluation report of the 1930s bottling factory at 2200 Stockton Boulevard Capitol Avenue, evaluating the resource under local, State, and National Register Criteria. This included archival review at local repositories, field documentation, and resource evaluation. The building was recommended eligible for listing at the local level in the National Registers for its significant associations with the commercial development of Sacramento, as well as its architectural distinction.





Appendix C - Confidential Records Search Results*

*Record search results are only included with the confidential version of the report.




Appendix D

Opportunity Sites Table (Table 2)




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
1		010-0224-027-0000	6.99	2110 Broadway	c1966	yes	NL	yes			HA
2		010-0222-018-0000	1.19	2201 Broadway	1985	no	n/a (NHA)	n/a			NHA
3		010-0221-021-0000	0.56	2121 Broadway	1965	yes	NL	yes			HA
4		010-0213-008-0000	1.26	1901 Broadway	1975	no	NL	n/a			NHA





**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
5	n/a	10-0211-020-0000	0.44	1818 X Street	n/a	n/a	n/a	n/a			n/a
6	n/a	009-0264-024-0000	0.47	1601 Broadway	n/a	n/a	n/a	n/a			n/a
7		009-0253-016-0000	0.57	1331 Broadway	1966	yes	NL	yes			HA
7		009-0253-012-0000	0.15	1313 Broadway	1945	yes	NL	yes			HA
7		009-0253-013-0000	0.15	1309 Broadway	1931	yes	NL	yes			HA
8	n/a	009-0253-001-0000	0.15	2411 13th Street	n/a	n/a	n/a	n/a			n/a
8	n/a	009-0253-002-0000	0.15	2401 13th Street	n/a	n/a	n/a	n/a			n/a
8	n/a	009-0253-005-0000	0.30	1318 X Street	n/a	n/a	n/a	n/a			n/a
8	n/a	009-0253-004-0000	0.15	1314 X Street	n/a	n/a	n/a	n/a			n/a
8	n/a	009-0253-003-0000	0.15	1306 X Street	n/a	n/a	n/a	n/a			n/a



**TABLE 2
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Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
9		010-0051-001-0000	0.60	1801 27th Street	1966	yes	NL	yes			HA
10		010-0093-034-0000	0.59	1924 T Street	1966	yes	NL	yes			HA
10	n/a	010-0093-014-0000	0.09	1925 U Street	n/a	n/a	n/a	n/a			n/a
11	n/a	010-0041-001-0000	1.19	24th Street	n/a	n/a	n/a	n/a			n/a
12		009-0235-001-0000	0.59	2415 5th Street	1968	yes	NL	yes			HA



**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
13		009-0232-009-0000	0.54	2400 5th Street	1966	yes	NL	yes			HA
14		010-0035-001-0000	0.58	1809 23rd Street	1942	yes	NL	yes			N
14		010-0035-002-0000	0.62	1800 24th Street	1930	yes	NL	yes			N
15		010-0033-002-0000	0.69	1800 23rd Street	1938	yes	NL	N			ENYL




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
15		010-0033-005-0000	0.29	2229 S Street	1972	yes	NL	yes			HA
15	n/a	010-0033-021-0000	2.83	1801 21st Street	n/a	n/a	n/a	n/a			n/a
15	n/a (portion of building on parcel -005 on this lot)	010-0033-004-0000	0.15	2229 S Street (part of 1800 23 rd Street)	1947	yes	NL	yes			HA
16	n/a	009-0095-008-0000	0.13	1829 17th Street	n/a	n/a	n/a	n/a			n/a
16	n/a	009-0095-009-0000	0.13	1817 17th Street	n/a	n/a	n/a	n/a			n/a
16	n/a	009-0095-006-0000	0.15	1713 S Street	n/a	n/a	n/a	n/a			n/a
16	n/a	009-0095-011-0000	0.60	1818 18th Street	n/a	n/a	n/a	n/a			n/a
16	n/a	009-0095-007-0000	0.14	1709 S Street	n/a	n/a	n/a	n/a			n/a
17	n/a	007-0314-011-0000	0.07	1708 20th Street	n/a	n/a	n/a	n/a			n/a
17	n/a	007-0314-013-0000	0.28	1730 20th Street	n/a	n/a	n/a	n/a			n/a
17	n/a	007-0314-009-0000	0.07	1926 Q Street	n/a	n/a	n/a	n/a			n/a
17	n/a	007-0314-010-0000	0.06	1930 Q Street	n/a	n/a	n/a	n/a			n/a
17	n/a	007-0314-012-0000	0.08	1714 20th Street	n/a	n/a	n/a	n/a			n/a
18		007-0321-020-0000	0.30	1720 21st Street (2111 Q St)	1948	yes	NL	yes			HA




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
18		007-0321-019-0000	0.60	2123 Q Street	1957	yes	NL	yes			HA
18	n/a	007-0321-016-0000	0.30	1619 21st Street	n/a	n/a	n/a	n/a			n/a
19	n/a	006-0294-013-0000	0.08	1621 R Street	n/a	n/a	n/a	n/a			n/a
19	n/a	006-0294-014-0000	0.08	1619 R Street	n/a	n/a	n/a	n/a			n/a
19	n/a	006-0294-011-0000	0.08	1726 17th Street	n/a	n/a	n/a	n/a			n/a
19	n/a	006-0294-012-0000	0.08	1730 17th Street	n/a	n/a	n/a	n/a			n/a
19	n/a	006-0294-015-0000	0.30	1725 17th Street	n/a	n/a	n/a	n/a			n/a
19	n/a	006-0294-010-0000	0.15	1720 17th Street	n/a	n/a	n/a	n/a			n/a
19	n/a	006-0294-016-0000	0.15	1721 16th Street	n/a	n/a	n/a	n/a			n/a
20	n/a	007-0313-013-0000	0.41	1625 19th Street	n/a	n/a	n/a	n/a			n/a
20	n/a	007-0313-015-0000	0.07	1625 19th Street	n/a	n/a	n/a	n/a			n/a
20	n/a	007-0313-016-0000	0.08	1617 19th Street	n/a	n/a	n/a	n/a			n/a
21	n/a	007-0252-019-0000	0.16	1529 21st Street	n/a	n/a	n/a	n/a			n/a
21	n/a	007-0252-017-0000	0.16	2119 P Street	n/a	n/a	n/a	n/a			n/a
21	n/a	007-0252-018-0000	0.14	2115 P Street	n/a	n/a	n/a	n/a			n/a
21		007-0252-016-0000	0.15	2123 P Street	1913	yes	NL	Yes – some window and siding replacements visible			HA




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
22		006-0294-017-0000	0.58	1608 Q Street	1964	yes	NL	yes			HA
23	n/a	007-0252-010-0000	0.07	1514 22nd Street	n/a	n/a	n/a	n/a			n/a
23	n/a	007-0252-009-0000	0.07	1510 22nd Street	n/a	n/a	n/a	n/a			n/a
23	n/a	007-0252-027-0000	0.15	2116 O Street	n/a	n/a	n/a	n/a			n/a
23	n/a	007-0252-026-0000	0.01	2116 O Street	n/a	n/a	n/a	n/a			n/a
23	n/a	007-0252-007-0000	0.07	2128 O Street	n/a	n/a	n/a	n/a			n/a
23	n/a	007-0252-025-0000	0.13	2116 O Street	n/a	n/a	n/a	n/a			n/a
23	n/a	007-0252-008-0000	0.07	1500 22nd Street	n/a	n/a	n/a	n/a			n/a
24		006-0285-016-0000	0.44	1730 14th Street	1939	yes	NL	yes			N
24		006-0285-026-000		1729 13th Street	1939	yes	NL	yes			HA


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Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
25		006-0283-010-0000	0.42	1225 R Street	1982	no	NL	n/a			NHA
26	n/a	009-0073-003-0000	0.28	1801 10th Street	n/a	n/a	n/a	n/a			n/a
27	n/a	006-0282-009-0000	0.10	1220 Q Street	n/a	n/a	1200-1300 Q Street Historic District	n/a			n/a
27	n/a	006-0282-008-0000	0.10		n/a	n/a	1200-1300 Q Street Historic District	n/a			n/a
27	n/a	006-0282-006-0000	0.05	1212 Q Street	n/a	n/a	1200-1300 Q Street Historic District	n/a			n/a
27	n/a	006-0282-011-0000	0.10	1224 Q Street	n/a	n/a	1200-1300 Q Street Historic District	n/a			n/a
27		006-0282-005, 007	0.16	1208-14 Q Street	1931	yes	1200-1300 Q Street Historic District	yes			HA
27	n/a	006-0282-010-0000	0.10	1222 Q Street	n/a	n/a	1200-1300 Q Street Historic District	n/a			n/a
28		006-0272-022-0000	0.26	925 R Street (915 R St)	1949	yes	NL	yes			N



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Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
28		006-0272-021-0000	0.33	1724 10th Street	1920	yes	R Street Historic District	Yes – window sash/opening modifications			N
29	n/a	006-0274-007-0000	0.29	1022 Q Street	n/a	n/a	n/a	n/a			n/a
29	n/a	006-0274-005-0000	0.15	1008 Q Street	n/a	n/a	n/a	n/a			n/a
29	n/a	006-0274-006-0000	0.15	1010 Q Street	n/a	n/a	n/a	n/a			n/a
30		009-0061-031-0000	1.06	1800 7th Street	1970	yes	NL	yes			HA
31	n/a	006-0264-026-0000	0.03	1720 8th Street	n/a	n/a	n/a	n/a			n/a
31	n/a	006-0264-028-0000	0.14	1727 7th Street	n/a	n/a	n/a	n/a			n/a
31	n/a	006-0264-019-0000		1717 7th Street	n/a	n/a	n/a	n/a			n/a
31	n/a	006-0264-027-0000	0.23	1716 8th Street	n/a	n/a	n/a	n/a			n/a
31		006-0264-022-0000	0.32	1720 8th Street	1929	yes	NL	no – Recommended ineligible for the NRHP, CRHR and local listing by Page & Turnbull, Inc. in 2013; significant renovations in 2016.			N
31	n/a	006-0264-023-0000	0.30	7th Street	n/a	n/a	n/a	n/a			n/a
32	n/a	007-0144-021-0000	0.60	1906 Capitol Avenue	n/a	n/a	n/a	n/a			n/a





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33	n/a	006-0222-012-0000	0.06	1520 13th Street	n/a	n/a	n/a	n/a			n/a
33	n/a	006-0222-014-0000	0.14	1237 P Street	n/a	n/a	n/a	n/a			n/a
33	n/a	006-0222-018-0000	0.14	1217 P Street	n/a	n/a	n/a	n/a			n/a
33	n/a	006-0222-015-0000	0.16	1229 P Street	n/a	n/a	n/a	n/a			n/a
33	n/a	006-0222-016-0000	0.15	1227 P Street	n/a	n/a	n/a	n/a			n/a
33	n/a	006-0222-013-0000	0.07	1522 13th Street	n/a	n/a	n/a	n/a			n/a
33	n/a	006-0222-017-0000	0.15	1221 P Street	n/a	n/a	n/a	n/a			n/a
34	n/a	006-0264-002-0000	0.08	1711 7th Street	n/a	n/a	n/a	n/a			n/a
34	n/a	006-0264-020-0000	0.08	8th Street	n/a	n/a	n/a	n/a			n/a
34	n/a	006-0264-004-0000	0.07	702 Q Street	n/a	n/a	n/a	n/a			n/a
34	n/a	006-0264-010-0000	0.07	726 Q Street	n/a	n/a	n/a	n/a			n/a
34	n/a	006-0264-006-0000	0.13	712 Q Street	n/a	n/a	n/a	n/a			n/a
34	n/a	006-0264-005-0000	0.16	706 Q Street	n/a	n/a	n/a	n/a			n/a
34	n/a	006-0264-009-0000	0.14	720 Q Street	n/a	n/a	n/a	n/a			n/a
34	n/a	006-0264-001-0000	0.07	1715 7th Street	n/a	n/a	n/a	n/a			n/a
34	n/a	006-0264-003-0000	0.07	1703 7th Street	n/a	n/a	n/a	n/a			n/a
34	n/a	006-0264-007-0000	0.05	718 Q Street	n/a	n/a	n/a	n/a			n/a
34	n/a	006-0264-008-0000	0.10	Q Street	n/a	n/a	n/a	n/a			n/a
35		006-0233-027-0000	0.23	1401 16th Street	pre-1947	yes	NL	yes			HA
35	n/a	006-0233-004-0000	0.14	1610 N Street	n/a	n/a	n/a	n/a			n/a




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Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
35		006-0233-005-0000	0.15	1614 N Street	pre-1947	yes	NL	yes			HA
35	n/a	006-0233-001-0000	0.07	1413 16th Street	n/a	n/a	n/a	n/a			n/a
36		007-0144-020-0000	0.60	1900 Capitol Avenue	1977	no	NL	n/a			NHA
37	n/a	007-0145-014-0000	0.42	2020 L ST	n/a	n/a	n/a	n/a			n/a
38	n/a	009-0051-006-0000	2.44	1801 3rd Street	n/a	n/a	n/a	n/a			n/a
39	n/a	007-0113-026-0000	0.58	2812 J Street	2005	no	n/a	n/a			n/a
40	n/a	006-0223-016-0000	0.07	1301 O Street	n/a	n/a	n/a	n/a			n/a
40	n/a	006-0223-018-0000	0.08	1419 13th Street	n/a	n/a	n/a	n/a			n/a
40	n/a	006-0223-013-0000	0.15	1315 O Street	n/a	n/a	n/a	n/a			n/a
40	n/a	006-0223-020-0000	0.06	O Street	n/a	n/a	n/a	n/a			n/a
40	n/a	006-0223-017-0000	0.07	1421 13th Street	n/a	n/a	n/a	n/a			n/a
40	n/a	006-0223-019-0000	0.10	1309 O Street	n/a	n/a	n/a	n/a			n/a
40	n/a	006-0223-015-0000	0.07	1305 O Street	n/a	n/a	n/a	n/a			n/a




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
41		006-0255-010-0000	0.73	1724 6th Street	pre-1947	yes	NL	yes			HA
41	n/a	006-0255-009-0000	0.51	501 R Street	n/a	n/a	n/a	n/a			n/a
41	n/a	006-0255-011-0000	0.45	500 Q Street	n/a	n/a	n/a	n/a			n/a
42		006-0174-016-0000	1.18	1619 N Street	1923	yes	Thomas Jefferson Elementary School - City Landmark	n/a			YL
43	n/a	006-0223-006-0000	0.04	1404 14th Street	n/a	n/a	n/a	n/a			n/a
43	n/a	006-0223-007-0000	0.04	1414 14th Street	n/a	n/a	n/a	n/a			n/a
43	n/a	006-0223-004-0000	0.15	1326 N Street	n/a	n/a	n/a	n/a			n/a
43	n/a	006-0223-005-0000	0.08	1330 N Street	n/a	n/a	n/a	n/a			n/a
44		006-0245-011-0000	0.58	200 Q Street	1971	yes	NL	yes			HA
44	n/a	006-0245-008-0000	0.14	1710 3rd Street	n/a	n/a	n/a	n/a			n/a
44		006-0245-010-0000	0.43	226 Q Street	1966	yes	NL	yes			HA





**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
45		007-0093-025-0000	0.50	2200 J Street	1953	yes	NL	yes			HA
46	n/a	007-0085-015-0000	0.30	2015 K Street	n/a	n/a	n/a	n/a			n/a
46	n/a	007-0085-008-0000	0.15	2025 K Street	n/a	n/a	n/a	n/a			n/a
47		007-0091-002-0000	0.30	2124 J Street	1925	yes	NL	yes			HA
47	n/a	007-0091-011-0000	0.28	2130 J Street	n/a	n/a	n/a	n/a			n/a
48	n/a	006-0124-010-0000	0.37	1601 L Street	n/a	n/a	n/a	n/a			n/a
49		007-0085-016-0000	0.60	2020 J Street	1920	yes	NL	yes			HA



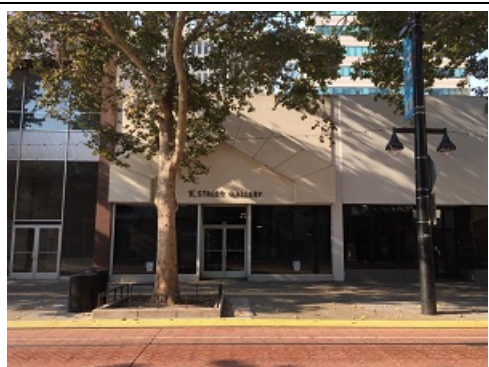
**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
50		003-0202-001-0000	1.20	2718 G Street	1903	yes	Marshall Elementary School - City Landmark	yes			YL
51	n/a	006-0116-003-0000	0.14	1418 K Street	n/a	n/a	n/a	n/a			n/a
51	n/a	006-0116-004-0000	0.15	1422 K Street	n/a	n/a	n/a	n/a			n/a
51	n/a	006-0116-005-0000	0.30	1112 15th Street	n/a	n/a	n/a	n/a			n/a
52	n/a	006-0123-009-0000	0.15	1619 K Street	n/a	n/a	n/a	n/a			n/a
52	n/a	006-0123-010-0000	0.15	1615 K Street	n/a	n/a	n/a	n/a			n/a
52		006-0123-015-0000	0.45	1031 16th Street	1967	yes	NL	yes			HA
53	n/a	006-0123-002-0000	0.15	1610 J Street	n/a	n/a	Memorial Auditorium Historic District	n/a			n/a
53	n/a	006-0123-003-0000	0.15	1614 J Street	n/a	n/a	Memorial Auditorium Historic District	n/a			n/a
53	n/a	006-0123-001-0000	0.29	1600 J Street	n/a	n/a	Memorial Auditorium Historic District	n/a			n/a
53		006-0123-004-0000	0.15	1616 J Street	1928	yes	Memorial Auditorium Historic District	Unknown - façade boarded up at time of survey			HA




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
54		003-0154-025-0000	0.31	2827 F Street	1965	yes	NL	yes			HA
55	n/a	006-0064-012-0000	0.30	925 16th Street	n/a	n/a	n/a	n/a			n/a
56		006-0064-014-0000	0.29	907 16th Street	1968	yes	NL	yes			HA
57		006-0098-020-0000	0.64	1116 9th Street	1965	yes	NL	yes			HA
58		006-0102-014-0000	0.26	930 K Street	1963	yes	NL	yes			HA




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
58		006-0102-012-0000	0.11	920 K Street	1963	yes	NL	yes			HA
58		006-0102-004-0000	0.14	916 K Street	1890	yes	NL	Altered since 1890 construction. Alterations could be historic age and would need to be evaluated to determine if they have gained significance.			HA
58		006-0102-015-0000	0.08	924 K Street	1963	yes	NL	yes			HA
59	n/a	006-0135-028-0000	1.29	201 N Street	n/a	n/a	n/a	n/a			n/a
59	n/a	006-0135-030-0000	1.21	3rd Street	n/a	n/a	n/a	n/a			n/a
59	n/a	006-0135-029-0000	0.15	N Street	n/a	n/a	n/a	n/a			n/a




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
60		006-0096-017-0000	0.78	703 L Street	1949	yes	NL	yes			HA
60	n/a	006-0096-016-0000	0.15	1117 7th Street	n/a	n/a	n/a	n/a			n/a
60	n/a	006-0096-011-0000	0.10	1120 8th Street	n/a	n/a	n/a	n/a			n/a
61	n/a	006-0056-002-0000	0.14	1408 I Street	n/a	n/a	n/a	n/a			n/a
61		006-0056-007-0000	0.06	910 15th Street	1949	yes	NL	yes			HA
61	n/a	006-0056-004-0000	0.29	1420 I Street	n/a	n/a	n/a	n/a			n/a
61		006-0056-005-0000	0.16	904 15th Street	1950	yes	NL	yes			HA
61	n/a	006-0056-001-0000	0.29	1400 I Street	n/a	n/a	n/a	n/a			n/a




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
61		006-0056-006-0000	0.08	908 15th Street	1949	yes	NL	yes			HA
61	n/a	006-0056-003-0000	0.15	1420 I Street	n/a	n/a	n/a	n/a			n/a
62	n/a	006-0143-035-0000	0.26	414 L Street	n/a	n/a	n/a	n/a			n/a
62	n/a	006-0143-038-0000	0.63	424 L Street	n/a	n/a	n/a	n/a			n/a
63	n/a	006-0047-010-0000	0.39	1117 J Street	n/a	n/a	n/a	n/a			n/a
64		006-0044-013-0000	0.38	1023 J Street	c1960	yes	NL	yes			HA
65	n/a	002-0174-024-0000	0.60	1613 H Street	n/a	n/a	n/a	n/a			n/a
66		006-0094-005-0000	0.07	714 J Street	1890	yes	NL	Altered since 1890 construction. Alterations could be historic age and would need to be evaluated to determine if they have gained significance.			HA




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
66		006-0094-009-0000	0.61	716 J Street	1962	yes	NL	yes			HA
66	n/a (wall at sidewalk only)	006-0094-004-0000	0.08	712 J Street	n/a	n/a	n/a				n/a
67	n/a	006-0051-013-0000	0.19	1201 I Street	n/a	n/a	n/a	n/a			n/a
67	n/a	006-0051-017-0000	0.15	1201 I Street	n/a	n/a	n/a	n/a			n/a
67	n/a	006-0051-016-0000	0.15	1201 I Street	n/a	n/a	n/a	n/a			n/a
67	n/a	006-0051-014-0000	0.15	1201 I Street	n/a	n/a	n/a	n/a			n/a
67	n/a	006-0051-015-0000	0.29	1201 I Street	n/a	n/a	n/a	n/a			n/a
68	n/a	006-0087-049-0000	0.92	1025 3rd Street	n/a	n/a	n/a	n/a			n/a
69	n/a	002-0162-003-0000	0.43	1220 G Street	n/a	n/a	n/a	n/a			n/a
69	n/a	002-0162-004-0000	0.15	1224 G Street	n/a	n/a	n/a	n/a			n/a
69		002-0162-002-0000	0.15	1210 G Street	1978	no	NL	yes			HA
70		002-0132-025-0000	0.45	526 16th Street	1967	yes	NL	yes			HA
71	n/a	002-0136-007-0000	0.08	1612 E Street	n/a	n/a	n/a	n/a			n/a
71	n/a	002-0136-002-0000	0.08	515 16th Street	n/a	n/a	n/a	n/a			n/a




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
71	n/a	002-0136-008-0000	0.15	1612 E Street	n/a	n/a	n/a	n/a			n/a
71	n/a	002-0136-005-0000	0.07	1604 E Street	n/a	n/a	n/a	n/a			n/a
71	n/a	002-0136-003-0000	0.07	511 16th Street	n/a	n/a	n/a	n/a			n/a
71	n/a	002-0136-004-0000	0.07	1600 E Street	n/a	n/a	n/a	n/a			n/a
71	n/a	002-0136-006-0000	0.07	1608 E Street	n/a	n/a	n/a	n/a			n/a
72		002-0161-001-0000	0.41	1200 F Street	1950	yes	NL	yes			HA
73	n/a	003-0073-020-0000	0.34	313 19th Street	n/a	n/a		n/a			n/a
73	Portable containers and a utility tower	003-0073-005-0000	0.15	1912 C Street (1916 C St)	n/a	n/a	n/a	n/a			n/a
73		003-0073-014-0000	0.16	1913 D Street	1960	yes	NL	yes			HA
73	n/a	003-0073-004-0000	0.08	301 19th Street	n/a	n/a	n/a	n/a			n/a
73	n/a	003-0073-021-0000	0.48	321 19th Street	n/a	n/a	n/a	n/a			n/a
73	n/a	003-0073-003-0000	0.07	305 19th Street	n/a	n/a	n/a	n/a			n/a
74	n/a	006-0072-025-0000	0.45	1121 Front Street	n/a	n/a	Old Sacramento	n/a			n/a
75	n/a	002-0144-001-0000	2.48	800 F Street	n/a	n/a	n/a	n/a			n/a
76	n/a	002-0115-013-0000	0.46	424 12th Street	n/a	n/a	n/a	n/a			n/a
76	n/a	002-0115-014-0000	0.15	1117 E Street	n/a	n/a	n/a	n/a			n/a
76		002-0115-015-0000	0.30	1115 E Street	1953	yes	NL	yes			HA




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
77	n/a	002-0102-011-0000	0.23	516 8th Street	n/a	n/a	Alkali Flat West Historic District	n/a			n/a
77	n/a	002-0102-015-0000	0.15	711 F Street	n/a	n/a	Alkali Flat West Historic District	n/a			n/a
77	n/a	002-0102-013-0000	0.08	719 F Street	n/a	n/a	Alkali Flat West Historic District	n/a			n/a
77	n/a	002-0102-012-0000	0.22	721 F Street	n/a	n/a	Alkali Flat West Historic District	n/a			n/a
77	n/a	002-0102-014-0000	0.22	717 F Street	n/a	n/a	Alkali Flat West Historic District	n/a			n/a
78		002-0084-003-0000	0.60	308 14th Street	c1957	yes	NL	yes			HA
78	n/a	002-0084-001-0000	0.29	1300 C Street	n/a	n/a	n/a	n/a			n/a
78		002-0084-002-0000	0.30	1310 C Street	1946	yes	NL	yes			HA
79		002-0085-006-0000	0.49	201 14th Street	1956	yes	NL	yes			HA



**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
79		002-0085-004-0000	1.27	216 15th Street	1942	yes	NL	yes			HA
79		002-0085-005-0000	0.41	1401 C Street	1920	yes	NL	yes			HA
79	n/a	002-0085-003-0000	0.26	216 15th Street	n/a	n/a	n/a	n/a			n/a
80	n/a	002-0081-006-0000	0.05	218 13th Street	n/a	n/a	n/a	n/a			n/a
80		002-0081-018-0000	0.29	1219 C Street	1980	no	NL	n/a			NHA
80	n/a	002-0081-021-0000	0.14	1221 C Street	n/a	n/a	n/a	n/a			n/a
80	n/a	002-0081-005-0000	0.04	216 13th Street	n/a	n/a	n/a	n/a			n/a





**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
81		002-0083-005-0000	0.31	1313 C Street	1949	yes	NL	yes			HA
81	n/a	002-0083-001-0000	1.21	213 13th Street	n/a	n/a	n/a	n/a			n/a
81	n/a	002-0083-006-0000	0.24	1301 C Street	n/a	n/a	n/a	n/a			n/a
81	n/a	002-0083-004-0000	0.26	1317 C Street	n/a	n/a	n/a	n/a			n/a
82	n/a	002-0061-011-0000	1.79	829 D Street	n/a	n/a	n/a	n/a			n/a
82	n/a	002-0061-012-0000	0.32	831 D Street	n/a	n/a	n/a	n/a			n/a
91	n/a	009-0085-025-0000	0.48	1410 R Street	n/a	n/a	n/a	n/a			n/a
91		009-0085-027-0000	0.43	1823 14th Street (Assessor's data has 1823 S Street)	1977	yes	NL	n/a			NHA
96		009-0012-005-0000	2.20	2200 Front Street	c1957	Yes	NL	yes			HA
96	n/a	009-0012-068-0000	0.59	2224 Front Street	n/a	n/a	n/a	n/a			n/a




**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
96		009-0102-013-0000	1.32	2127 Front Street	Unknown	Unknown	NL	yes			HA
96	(small bldg. associated with 009-0102-013 above)	009-0164-016-0000	0.35	2201 Front Street	Unknown	Unknown	NL	yes			HA
96	n/a	006-0241-007-0000	1.74	1900 Front Street	n/a	n/a	n/a	n/a			n/a
96	n/a	009-0012-002-0000	2.24	1920 Front Street	n/a	n/a	n/a	n/a			n/a
96	n/a	009-0012-003-0000	5.11	2000 Front Street	n/a	n/a	n/a	n/a			n/a
96	none (railroad tracks/levee)	009-0012-017-0000	0.70	Front Street	Unknown	Yes	NL	yes			HA
96	none (levee)	009-0012-018-0000	0.89	Front Street	Unknown	Yes	NL	Yes			HA
96	none (railroad tracks/levee)	009-0012-019-0000	0.08	Front Street	Unknown	Yes	NL	Yes			HA
96	none (railroad tracks/levee)	009-0012-020-0000	0.08	Front Street	Unknown	Yes	NL	Yes			HA
96	none (railroad tracks/levee)	009-0012-021-0000	0.07	Front Street	Unknown	Yes	NL	Yes			HA
96	none (railroad tracks/levee)	009-0012-022-0000	0.28	Front Street	Unknown	Yes	NL	Yes			HA
96	none (railroad tracks/levee)	009-0012-045-0000	0.62	Front Street	Unknown	Yes	NL	Yes			HA
96	n/a	009-0012-048-0000	0.80	Front Street	n/a	n/a	n/a	n/a			n/a
96	none (railroad tracks/levee)	009-0012-050-0000	0.61	Front Street	Unknown	Yes	NL	Yes			HA
96	none (railroad tracks/levee)	009-0012-051-0000	0.43	Front Street	Unknown	Yes	NL	Yes			HA
96	none (railroad tracks/levee)	009-0012-058-0000	1.26	Front Street	Unknown	Yes	NL	Yes			HA
96	n/a	009-0012-059-0000	0.04	Front Street	n/a	n/a	n/a	n/a			n/a
96	n/a	009-0012-066-0000	0.31	Front Street	n/a	n/a	n/a	n/a			n/a
96	n/a	009-0012-067-0000	1.38	Front Street	n/a	n/a	n/a	n/a			n/a
96	none (railroad tracks/levee)	009-0012-073-0000	2.42	Front Street	Unknown	Yes	NL	n/a			HA
96		009-0012-075-0000	10.19	2104 Front Street	Post-1966	Unknown	NL	yes			HA
96	n/a	009-0042-006-0000	0.22	1931 Front Street	n/a	n/a	n/a	n/a			n/a

**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
96		009-0102-012-0000	0.57	2101 Front Street	Pre-1947	Yes	NL	yes			HA
96		009-0104-015-0000	1.63	2001 Front Street	Post-1966	Unknown	NL	Yes			HA
97		009-0073-004-0000	0.62	1026 R Street	1920	yes	Sacramento Register of Historic and Cultural Resources	n/a			YL
101		006-0116-014-0000	0.46	1431 L Street	2005	No	NL	n/a			NHA

**TABLE 2
CULTURAL RESOURCES - OPPORTUNITY SITES**

Opp Site #	Photo	APN	Acreage	Address	Year Built	Historic-Age?	NRHP, CRHR, or locally listed resources on site? Or within a historic district?	Sufficient Building Integrity to require evaluation?	Previously Recorded Archaeological Resource	Within 200' of Previously Recorded Archaeological Resource	Eligibility of Individual Resource
102		006-0052-021-0000	1.49	1223 J Street	1999	No	NL	n/a			NHA
115		002-0145-026-0000	2.5	720 9th Street	1965	Yes	NL	yes			HA
116		002-0143-017-0000	2.5	725 7th Street	Unknown	Unknown	NL	yes			HA

NOTES:
 N = No, not eligible
 NL = Not listed
 HA = Historic-age, needs further research to determine eligibility
 YL = Yes, already listed
 ENYL = Eligible, not yet listed
 NHA = Not historic age

SOURCE: ESA, 2017; www.parcelquest.com; City of Sacramento, 2016

Appendix E

DPR 523 Forms

State of California — The Resources Agency
 DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
 HRI #
 Trinomial
 NRHP Status Code

Other Listings
 Review Code

Reviewer

Date

Page 1 of 4

*Resource Name or #:

P1. Other Identifier:

*P2. Location: Not for Publication Unrestricted

*a. County: Sacramento

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad:

Date:

T ; R ; ¼ of ¼ of Sec ; M.D. B.M.

c. Address: 1800 24th Street

City: Sacramento

Zip: 95816

d. UTM: Zone: ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation:

APN#010-0035-002

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The subject property includes a 25,120 sf building on a 25,600 sf lot on the southeast corner of 24th Street and Rice Alley. It is a large, single story warehouse with a square footprint. The building sits on a concrete slab foundation and the walls are poured concrete. The western third of the building appears to be an addition. The western portion of the building has a hipped roof while the remaining appears to be flat.

The east (primary) facade includes an at-grade level metal roll up vehicle door, two elevated loading docks, a single pedestrian door, and metal framed casement and fixed windows. At the north end of this façade one nine paned window is located over the single pedestrian door with three additional windows flanking the door; several glass panes have been replaced with wood and an HVAC unit. The seven windows at the south end of the facade are located high on the façade, with one over each of the two elevated loading docks, and each have 12 panes.

*P3b. Resource Attributes: HP6. 1-3 story commercial building

*P4. Resources Present: Building Structure Object Site District Element of District Other (Isolates, etc.)

P5a. Photo or Drawing



*P5b. Description of Photo:

Primary façade looking southwest, ESA 2016

*P6. Date Constructed/Age and Sources:

Historic Prehistoric Both
 1949/Building Permit

*P7. Owner and Address:

CBP Northern Investments LLC/
 ETAL
 2248 Kenilworth Ave
 Los Angeles, CA 90039

*P8. Recorded by: (Name, affiliation, and address)

Amber Grady
 ESA
 2600 Capitol Ave, Ste 200
 Sacramento, CA 95816

*P9. Date Recorded: 8/3/2016

*P10. Survey Type: (Describe)

Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")

City of Sacramento Downtown Specific Plan Cultural Resources Survey and Inventory Report, ESA, 2017.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record
 Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record
 Artifact Record Photograph Record Other (List):

DPR 523A (1/95)

*Required information

BUILDING, STRUCTURE, AND OBJECT RECORD

*Resource Name or #

- B1. Historic Name: none
- B2. Common Name: Consolidated Electrical Distribution
- B3. Original Use: warehouse
- B4. Present Use: warehouse/commerical

*B5. **Architectural Style:** Utilitarian

*B6. **Construction History:** A building permit was issued to Valley Paper Co. for the construction of a warehouse on this site in 1949. In 1956-57, a permit was issued to Incandescent Supply to remodel the storage area into a showroom. In 1963, a permit was issued to the Brodovsky Bros. to repair the trusses in the existing warehouse; the contractor listed was C. Vanina. The Brodovsky Bros. also obtained a permit in 1976 to "Const. office to Comm"; the work was performed by Holdener Const. In 1972 and 1974, permits were obtained to reroof the building; the contractor of record was Abels Roofing.

*B7. **Moved?** No Yes Unknown **Date:** n/a **Original Location:** n/a

*B8. **Related Features:** none

B9a. Architect: unknown

b. Builder: unknown

*B10. **Significance: Theme:** Commerical

Area: Sacramento

Period of Significance: 1949

Property Type: Commerical Development

Applicable Criteria: n/a

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Sacramento's early development is closely tied to the evolution of the railroads. What we now refer to as the R Street Corridor is an example of that close tie with the development of warehouses, commercial distribution centers, and light industrial businesses that sprang up in the late 19th and early 20th centuries after the rail lines were established. The SVRR opened for business in 1856; a freight depot with a ticket counter was located near Front and L Streets, and the track ran south along the river, and then eastward along R Street for 22 miles to the terminus in what is now Folsom. Southern Pacific Railroad had freight lines running down the center of R Street and Western Pacific Railroad had lines immediately to the north. In the late 19th century inventions such as the refrigerated rail car and modern canning techniques further boosted the development of industrial uses in Sacramento, specifically the R Street Corridor.

The subject property was developed at least as early as 1915 with a brick warehouse; railroad tracks are also visible on R Street with a railroad siding next to this building on the 1915 Sanborn Map. This building was demolished sometime before 1947 when a historic aerial shows the parcel as vacant. The 1915-1952 Sanborn shows two buildings in the current building footprint and is labeled "Paper W.Ho" and "Whol. Paper School Supplies & Houseware." A building permit was issued in 1949 to Valley Paper Co to erect a warehouse at 1800 - 24th Street.

(Continued on page 3)

B11. Additional Resource Attributes: none

*B12. **References:**

Center for Sacramento History Hepting Photo Collection

B13. Remarks: none

*B14. **Evaluator:** Amber Grady, ESA
2600 Capitol Ave, Ste 200
Sacramento, CA 95816

(This space reserved for official comments.)



***P3a. Description: (continued from page 1)**

The south façade fronts Rice Alley and includes eight metal framed windows near the roofline on the east end and an elevated loading dock flanked by two metal framed windows. Each of the eight windows on the east end has 12 panes. One elevated truck dock is at the west end of the façade and is flanked by two, twelve paned, metal framed windows. Many of the panes in these windows appear to be broken or replaced. A large mural is located below these windows for the entire length of this façade.

The north façade fronts the lightrail tracks that run along R Street. The east end of this façade includes two rows of windows making the building appear to be two stories. The windows are metal framed fixed and awning style. The upper row of windows are six and eight panes while the lower windows have either 3 or 12 panes. Some of the window opening have been filled in. The west end of the north façade has a single pedestrian door, a roll up metal door on an elevated loading dock, and two window openings that appear to have been boarded up from the inside.

The west façade is a solid wall with no window or door openings. The mural from the south façade continues the full length of this façade as well.

***B10. Significance: (continued from page 2)**

While there are no listings in the 1935, 1940, 1944, 1945, 1946, 1948, 1950, and 1951 City Directories a photo dated 1950 and labeled "Incandescent Supply Co" shows the current building.¹ The 1952 City Directory lists "Valley Paper Co" at the subject property. The 1960 City Directory lists "Incandescent Sup Co" and the 1965, 1970, 1975 and 1992 City Directories lists "Consolidated Elec Distributors lighting equip" and "Consolidated Electrical Distributors elec whol." The east (primary) façade currently includes a painted sign that reads "CED Concolidated Electrical Distributors." Based on this archival research it is apparent that this building has been used as a warehouse and commercial showroom, for various types of commercial goods, likely since it was constructed in 1949.

While the previous building(s) on the site were tied to the railroad the currently building appears to be oriented and designed for distribution of goods via trucks. Historic aerials from 1957, 1964, and 1966 show vehicles parked perpendicular to the building on the west, north, and east sides.

Businesses associate with the building over its 65+ year history include Valley Paper Company, Incandescent Supply Co, and Consolidated Electric Distributors. Consolidated Electrical Distributors currently occupies the bulding and sells automation products for residential, commercial, and industrial use.² Archival research did not reveal any detailed information on either the Valley Paper Company or the Incandescent Supply Company.

Criterion 1/A recognizes properties associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States. The property must also have an important association with the event or historic trends - mere association with historic events or trends is not enough to qualify under Criterion 1 (U.S. Department of the Interior, 2002). The subject property is a warehouse along the originally industrial R Street corridor. While the building has been occupied by several local companies research did not reveal that the property was associated with specific events that have made a significant contribution to the broad patterns of our history. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 1/A.

¹ Center for Sacramento History, 1950 Catalog #1983/001/20,942, Sacramento.pastperfectonline.com/photo/A3972991-3F8F-4C7A-AF25-996828151617.

² Consolidated Electrical Distributors website, www.cedcareers.com.

***B10. Significance: (continued from page 3)**

Criterion 2/B

Criterion 2/B applies to properties associated with the lives of persons important to local, California or national history. The individual's specific contributions to history must be identified and documented. The criterion is generally restricted to those properties that illustrate (rather than commemorate) a person's important achievements and productive life, and must be the property that is most closely associated with that person and the actions for which they are important. Each property associated with an important individual should be compared to other associated properties to identify those that best represent the person's historic contributions (U.S. Department of the Interior, 2002). Research into previous owners and occupants of the property did not reveal any significant associations that would qualify under Criterion 2/B. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 2/B.

Criterion 3/C

Criterion 3/C applies to properties that embody the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values. To be eligible under Criterion 3/C, a property must meet at least one of the following requirements: embody distinctive characteristics of a type, period, or method of construction; represent the work of a master; possess high artistic value; or represent a significant and distinguishable entity whose components may lack individual distinction. The first requirement, that properties "embody the distinctive characteristics of a type, period, or method of construction," refers to the way in which a property was conceived, designed, or fabricated by a people or culture in past periods of history. "The work of a master" refers to the technical or aesthetic achievements of an architect or craftsman. "High artistic values" concerns the expression of aesthetic ideals or preferences and applies to aesthetic achievement. A structure is eligible as a specimen of its type or period of construction if it is an important example (within its context) of building practices of a particular time in history (U.S. Department of the Interior, 2002). The subject property is vernacular and does not represent any particular building style or method of construction. ESA does not recommend the subject property as eligible for the California Register under Criterion 3/C.

Criterion 4/D

Criterion 4/D asks whether a property has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation. While most often applied to archeological districts and sites, Criterion 4/D can also apply to buildings, structures, and objects that contain important information. In order for these types of properties to be eligible under Criterion D, they themselves must be, or must have been, the principal source of the important information (U.S. Department of the Interior, 2002). The subject property does not appear to yield significant information that would expand our current knowledge or theories of design, methods of construction, operation, or other information that is not already known, and does not appear to be eligible for the California Register under Criterion 4/D.

City of Sacramento

The City of Sacramento has established Landmark and Historic District Eligibility Criteria. The Landmark Eligibility criteria are very similar to the California and National registers and include association with events that have made a significant contribution to the broad patterns of the history of the city, the region, the state or the nation; association with the lives of persons significant in the city's past; distinctive characteristics of a type, period or method of construction; represents the work of an important creative individual or master; possesses high artistic values; and has yielded, or may be likely to yield, information important in the prehistory or history of the city, the region, the state or the nation. For the same reasons discussed above ESA is recommending the property ineligible for local listing.

State of California — The Resources Agency
 DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
 HRI #
 Trinomial
 NRHP Status Code

Other Listings
 Review Code

Reviewer

Date

Page 1 of 4

*Resource Name or #: 1809 23rd Street

P1. Other Identifier: none

*P2. Location: Not for Publication Unrestricted

*a. County: Sacramento

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Date: T ; R ; ¼ of ¼ of Sec ; M.D. B.M.

c. Address: 1809 23rd Street

City: Sacramento

Zip: 95816

d. UTM: Zone: ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation:
 APN#010-0035-001

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
 The subject property includes a generally rectangular building with a small, primarily one story, addition that projects out on the east facade. The majority of the building is one story with approximately 1/3 of the building at the south end two stories. The majority of the exterior walls are stucco. There is a wood framed addition on the east façade that is clad in couraged metal.

The west (primary) façade includes four window openings and 2 single pedestrian doors on the 1st floor and four window openings at the 2nd floor. Three large window openings are located in the center of the façade at the 1st floor; the center opening is glass block and the other two are roll up metal screens. The other window is glass block and is located between the two pedestrian doors. One of the pedestrian doors is surrounded by glass blocks. The 2nd floor windows are metal framed casement windows. A third pedestrian door opening has been filled in at the north end of this façade.

The north façade fronts R Street and the lightrail tracks. The wall is blank with no window or door openings.

*P3b. Resource Attributes: HP6. 1-3 story commercial building

*P4. Resources Present: Building Structure Object Site District Element of District Other (Isolates, etc.)

P5a. Photo or Drawing



*P5b. Description of Photo: West and south facades looking northeast, ESA 2016

*P6. Date Constructed/Age and Sources:

Historic Prehistoric Both
 1942/ Assessor's Records

*P7. Owner and Address:

Fischer Family Limited Partnership
 1800 23rd Street
 Sacramento, CA 95816

*P8. Recorded by: (Name, affiliation, and address)

Amber Grady
 ESA
 2600 Capitol Ave, Ste 200
 Sacramento, CA 95816

*P9. Date Recorded: 8/3/2016

*P10. Survey Type: (Describe)
 Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")

City of Sacramento Downtown Specific Plan Cultural Resources Survey and Inventory Report, ESA, 2017.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record
 Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record
 Artifact Record Photograph Record Other (List):

BUILDING, STRUCTURE, AND OBJECT RECORD

*Resource Name or # 1809 23rd Street

- B1. Historic Name: none
B2. Common Name: none
B3. Original Use: warehouse/light industrial
B4. Present Use: unknown

*B5. **Architectural Style:** International

*B6. **Construction History:**
Built in 1942. Date of addition to east façade unknown.

*B7. **Moved?** No Yes Unknown **Date:** n/a **Original Location:** n/a

*B8. **Related Features:** none

B9a. Architect: unknown

b. Builder: unknown

*B10. **Significance: Theme:** Industrial

Area: Sacramento

Period of Significance: 1942

Property Type: Industrial Development

Applicable Criteria: n/a

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Sacramento's early development is closely tied to the evolution of the railroads. What we now refer to as the R Street Corridor is an example of that close tie with the development of warehouses, commercial distribution centers, and light industrial businesses that sprang up in the late 19th and early 20th centuries after the rail lines were established. The SVRR opened for business in 1856; a freight depot with a ticket counter was located near Front and L Streets, and the track ran south along the river, and then eastward along R Street for 22 miles to the terminus in what is now Folsom. Southern Pacific Railroad had freight lines running down the center of R Street and Western Pacific Railroad had lines immediately to the north. In the late 19th century inventions such as the refrigerated rail car and modern canning techniques further boosted the development of industrial uses in Sacramento, specifically the R Street Corridor.

The subject property was developed at least as early as 1915 with a brick warehouse; railroad tracks are also visible on R Street with a railroad siding next to this building on the 1915 Sanborn Map. This building was demolished and the current building constructed in 1942 according to the City's Assessor Records. The 1947 aerial appears to show the current building. The 1915-1951 and 1915-1952 Sanborn maps show "Whol. Meat & Cold Stge" and "BLR Ho" on a building footprint that appears to match the current footprint. There are no listing in the City Directories for 1935, 1940, 1945, and 1947; however, "A J Murphy whol meats" is listed in 1952 and "Made-Rite Sausage Co (plant) and "Made-Rite Mfg Co Sausage Mfrs" in listed in 1960, 1965, and 1969. The 1970 City Directory lists it as vacant. The building may have also been occupied by Pureta Sausage Co sometime during the 1950s-60s. The 1975 City Directory lists "Professional Food Services vending mach" and in 1982 "Professional Food Flavors (Ofc)" is listed. In 2003 the building was purchased by Fischer Tile & Marble, which also currently occupies 1800 23rd Street.

(Continued on page 3)

B11. Additional Resource Attributes: none

*B12. **References:** 1915, 1915-1951, and 1915-1952 Sanborn Maps; City Directories; Center for Sacramento History, Sacramento Bee Collection, 1983/001/SBPM02122.

B13. Remarks: none

*B14. **Evaluator:** Amber Grady, ESA
2600 Capitol Ave, Ste 200
Sacramento, CA 95816

(This space reserved for official comments.)



***P3a. Description: (continued from page 1)**

The east façade is two story. The 1st floor steps back under the 2nd floor creating covered parking on the west end of this façade. There is a single pedestrian door and a metal roll up vehicle door at the back of the parking area. There is also one metal framed casement window at the east end of the 1st floor.

***B10. Significance: (continued from page 2)**

Criterion 1/A

Criterion 1/A recognizes properties associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States. The property must also have an important association with the event or historic trends – mere association with historic events or trends is not enough to qualify under Criterion 1 (U.S. Department of the Interior, 2002). The subject property is a warehouse along the originally industrial R Street corridor. While the building has been occupied by several local companies research did not reveal that the property was associated with specific events that have made a significant contribution to the broad patterns of our history. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 1/A.

Criterion 2/B

Criterion 2/B applies to properties associated with the lives of persons important to local, California or national history. The individual's specific contributions to history must be identified and documented. The criterion is generally restricted to those properties that illustrate (rather than commemorate) a person's important achievements and productive life, and must be the property that is most closely associated with that person and the actions for which they are important. Each property associated with an important individual should be compared to other associated properties to identify those that best represent the person's historic contributions (U.S. Department of the Interior, 2002). Research into previous owners and occupants of the property did not reveal any significant associations that would qualify under Criterion 2/B. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 2/B.

Criterion 3/C

Criterion 3/C applies to properties that embody the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values. To be eligible under Criterion 3/C, a property must meet at least one of the following requirements: embody distinctive characteristics of a type, period, or method of construction; represent the work of a master; possess high artistic value; or represent a significant and distinguishable entity whose components may lack individual distinction. The first requirement, that properties "embody the distinctive characteristics of a type, period, or method of construction," refers to the way in which a property was conceived, designed, or fabricated by a people or culture in past periods of history. "The work of a master" refers to the technical or aesthetic achievements of an architect or craftsman. "High artistic values" concerns the expression of aesthetic ideals or preferences and applies to aesthetic achievement. A structure is eligible as a specimen of its type or period of construction if it is an important example (within its context) of building practices of a particular time in history (U.S. Department of the Interior, 2002). The subject property is International Style and does not represent an excellent example of the building style or method of construction. ESA does not recommend the subject property as eligible for the California Register under Criterion 3/C.

***B10. Significance: (continued from page 3)**

Criterion 4/D

Criterion 4/D asks whether a property has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation. While most often applied to archeological districts and sites, Criterion 4/D can also apply to buildings, structures, and objects that contain important information. In order for these types of properties to be eligible under Criterion D, they themselves must be, or must have been, the principal source of the important information (U.S. Department of the Interior, 2002). The subject property does not appear to yield significant information that would expand our current knowledge or theories of design, methods of construction, operation, or other information that is not already known, and does not appear to be eligible for the California Register under Criterion 4/D.

City of Sacramento

The City of Sacramento has established Landmark and Historic District Eligibility Criteria. The Landmark Eligibility criteria are very similar to the California and National registers and include association with events that have made a significant contribution to the broad patterns of the history of the city, the region, the state or the nation; association with the lives of persons significant in the city's past; distinctive characteristics of a type, period or method of construction; represents the work of an important creative individual or master; possesses high artistic values; and has yielded, or may be likely to yield, information important in the prehistory or history of the city, the region, the state or the nation. For the same reasons discussed above ESA is recommending the property ineligible for local listing.

Other Listings
Review Code

Reviewer

Date

Page 1 of 4

*Resource Name or #: 1800 23rd Street

P1. Other Identifier:

*P2. Location: Not for Publication Unrestricted

*a. County: Sacramento

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad:

Date:

T ; R ; ¼ of ¼ of Sec ; M.D. B.M.

c. Address: 1800 23rd Street

City: Sacramento

Zip: 95816

d. UTM: Zone: ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation:

APN#010-0033-002

*P3a. **Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The subject property includes a 23,088 sf building on a 23,904 sf lot on the northeast corner of 23rd and R streets. It is a large, single story warehouse with a square footprint. The steel-frame building sits on a concrete slab foundation, reinforced concrete walls are clad in stucco, and the building is capped by a triple-bow roof.

The east (primary) façade includes three at-grade level metal roll-up vehicle doors and a single flush pedestrian door. The south end of this façade features two multi-pane, steel-frame industrial windows, and these are partly obscured by vines of climbing plants. The north end of this façade features two expanses of glass block with a continuous brick sill. A horizontal concrete sill above the pedestrian door may mark the location of an earlier window opening. A continuous brick soldier course across the entire façade caps the roll-up doors, steel-frame windows, and expanses of glass block, and the façade terminates in a single brick soldier course.

*P3b. **Resource Attributes:** HP6. 1-3 story commercial building

*P4. **Resources Present:** Building Structure Object Site District Element of District Other (Isolates, etc.)

P5a. Photo or Drawing



P5b. Description of Photo:
Primary façade looking west, ESA 2017

*P6. **Date Constructed/Age and Sources:**
 Historic Prehistoric Both
1938/ Assessor

*P7. **Owner and Address:**
Fischer Family Ltd. Partnership
1800 23rd Street
Sacramento, CA 95816

*P8. **Recorded by:** (Name, affiliation, and address)
Amber Grady & Johanna Kahn
ESA
2600 Capitol Ave, Ste 200
Sacramento, CA 95816

*P9. **Date Recorded:** 2/1/2017

*P10. **Survey Type:** (Describe)
Intensive

*P11. **Report Citation:** (Cite survey report and other sources, or enter "none.")

City of Sacramento Downtown Specific Plan Cultural Resources Survey and Inventory Report, ESA, 2017.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record
 Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record
 Artifact Record Photograph Record Other (List):

BUILDING, STRUCTURE, AND OBJECT RECORD

*Resource Name or # 1800 23rd Street

B1. Historic Name: none

B2. Common Name: Fischer Tile & Marble

B3. Original Use: Warehouse

B4. Present Use: Warehouse/Commerical

*B5. **Architectural Style:** Industrial with Streamline Moderne influence

*B6. **Construction History:**

Built in 1938. In 1956, a permit was issued to the Henderson Bros. to construct interior offices in the warehouse; the contractor listed was Erickson Const. Co. In 1978 and 2002, permits were obtained to reroof the building; the contractors of record were Yancey Co. and Watson Roofing, respectively.

*B7. **Moved?** No Yes Unknown **Date:** n/a

Original Location: n/a

*B8. **Related Features:**

B9a. Architect: unknown

b. Builder: unknown

*B10. **Significance: Theme:** Commerical

Area: Sacramento

Period of Significance: 1938

Property Type: Commercial

Applicable Criteria: n/a

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Sacramento's early development is closely tied to the evolution of the railroads. What we now refer to as the R Street Corridor is an example of that close tie with the development of warehouses, commercial distribution centers, and light industrial businesses that sprang up in the late 19th and early 20th centuries after the rail lines were established. The SVRR opened for business in 1856; a freight depot with a ticket counter was located near Front and L Streets, and the track ran south along the river, and then eastward along R Street for 22 miles to the terminus in what is now Folsom. Southern Pacific Railroad had freight lines running down the center of R Street and Western Pacific Railroad had lines immediately to the north. In the late 19th century inventions such as the refrigerated rail car and modern canning techniques further boosted the development of industrial uses in Sacramento, specifically the R Street Corridor.

The subject property was constructed in 1938 according to the City Assessor's Records. The 1947 aerial photograph appears to show the current building. The 1915-1951 and 1915-1952 Sanborn maps show "Wellman Peck & Co. Whol. Gro." on a building footprint that appears to match the current footprint. There are no listing in the 1935 City Directory for 1935; however, "Wellman Peck & Co. whol gro" is listed in 1940, 1945, and 1952. City Directories from 1960 until 1982 alternately list "Henderson Bros auto parts," "Henderson Bros Stores Inc auto," and Henderson Bros Stores Inc distr auto parts." In 1986 the building was sold by Henderson Auto Parts to Fischer Tile & Marble, which also currently occupies 1809 23rd Street.

(Continued on page 3)

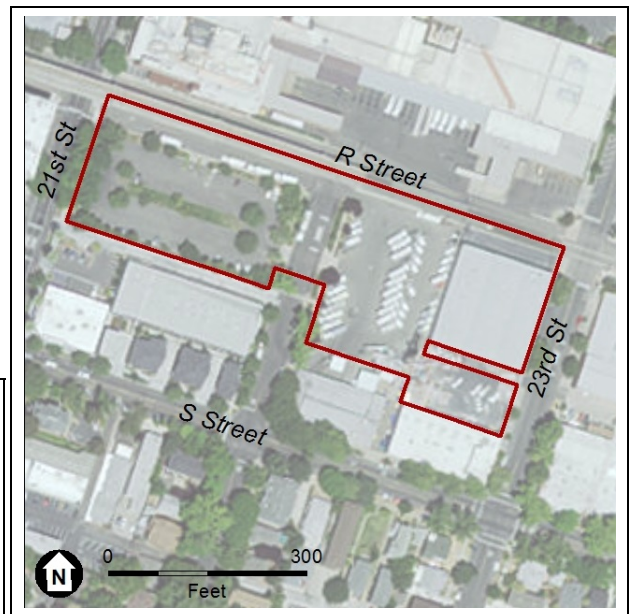
B11. Additional Resource Attributes: none

*B12. **References:** 1895, 1915, 1915-1951, and 1915-1952 Sanborn Maps; City Directories; Center for Sacramento History; Fischer Tile & Marble, www.fischertile.com;

B13. Remarks: none

*B14. **Evaluator:** Amber Grady, ESA
2600 Capitol Ave, Ste 200
Sacramento, CA 95816

(This space reserved for official comments.)



***P3a. Description: (continued from page 1)**

The south façade fronts Rice Alley and includes six multi-pane, steel-frame industrial windows with concrete sills, and these are capped by a continuous brick soldier course across the entire façade. The windows near the east end of the façade are partly obscured by vines of climbing plants. Several glass panes of three of these windows have been replaced with industrial fan units. A single flush door provides access to a loading dock near the east end of the façade. The façade terminates in a single brick soldier course.

The west façade is a solid wall with no window or door openings.

The north façade fronts the lightrail tracks that run along R Street and includes six expanses of glass block with a continuous brick sill and header across the entire façade. Horizontal concrete sills directly below these expanses of glass block may mark the locations of earlier window openings. Below the glass block are three small window openings. Glass blocks fill the square opening on the east end and has a concrete sill. In the center is a recessed opening with two sliding windows and brick infill. The western opening features a single sliding window.

***B10. Significance: (continued from page 2)**

Businesses associated with the building over its nearly-80-year history include Wellman, Peck & Co. (wholesale grocer), Henderson Bros., Inc. (distributor of automobile parts), and Fischer Tile & Marble (manufacturer of stone and tile units). Wellman, Peck & Co. was founded in 1849 in San Francisco by merchant Bela Wellman. The company grew to 30 employees by 1880 and eventually expanded its operations to Sacramento (exact date unknown), and by 1941 it had become the largest wholesale grocer in California. By 1960, the subject property was occupied by Henderson Bros., Inc, which had at least two other locations at 916 12th Street and near the intersection of 15th and K streets. In 1986, the building was sold to Fischer Tile & Marble, which still occupies it today. Fischer Tile & Marble was established in 1906 in Stockton and opened its first Sacramento location in 1923. The company occupied at least four other locations in Sacramento before purchasing and occupying the subject property.

Criterion 1/A

Criterion 1/A recognizes properties associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States. The property must also have an important association with the event or historic trends – mere association with historic events or trends is not enough to qualify under Criterion 1 (U.S. Department of the Interior, 2002). The subject property is a warehouse along the originally industrial R Street corridor. While the building has been occupied by several local companies research did not reveal that the property was associated with specific events that have made a significant contribution to the broad patterns of our history. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 1/A.

Criterion 2/B

Criterion 2/B applies to properties associated with the lives of persons important to local, California or national history. The individual's specific contributions to history must be identified and documented. The criterion is generally restricted to those properties that illustrate (rather than commemorate) a person's important achievements and productive life, and must be the property that is most closely associated with that person and the actions for which they are important. Each property associated with an important individual should be compared to other associated properties to identify those that best represent the person's historic contributions (U.S. Department of the Interior, 2002). Research into previous owners and occupants of the property did not reveal any significant associations that would qualify under Criterion 2/B. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 2/B.

(Continued on page 4)

***B10. Significance: (continued from page 3)**

Criterion 3/C

Criterion 3/C applies to properties that embody the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values. To be eligible under Criterion 3/C, a property must meet at least one of the following requirements: embody distinctive characteristics of a type, period, or method of construction; represent the work of a master; possess high artistic value; or represent a significant and distinguishable entity whose components may lack individual distinction. The first requirement, that properties "embody the distinctive characteristics of a type, period, or method of construction," refers to the way in which a property was conceived, designed, or fabricated by a people or culture in past periods of history. "The work of a master" refers to the technical or aesthetic achievements of an architect or craftsman. "High artistic values" concerns the expression of aesthetic ideals or preferences and applies to aesthetic achievement. A structure is eligible as a specimen of its type or period of construction if it is an important example (within its context) of building practices of a particular time in history (U.S. Department of the Interior, 2002). The subject property is a utilitarian warehouse whose design was influenced by the Streamline Moderne style. It does not represent an excellent example of the building style or method of construction. ESA does not recommend the subject property as eligible for the California Register under Criterion 3/C.

Criterion 4/D

Criterion 4/D asks whether a property has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation. While most often applied to archeological districts and sites, Criterion 4/D can also apply to buildings, structures, and objects that contain important information. In order for these types of properties to be eligible under Criterion D, they themselves must be, or must have been, the principal source of the important information (U.S. Department of the Interior, 2002). The subject property does not appear to yield significant information that would expand our current knowledge or theories of design, methods of construction, operation, or other information that is not already known, and does not appear to be eligible for the California Register under Criterion 4/D.

City of Sacramento

The City of Sacramento has established Landmark and Historic District Eligibility Criteria. The Landmark Eligibility criteria are very similar to the California and National registers and include association with events that have made a significant contribution to the broad patterns of the history of the city, the region, the state or the nation; association with the lives of persons significant in the city's past; distinctive characteristics of a type, period or method of construction; represents the work of an important creative individual or master; possesses high artistic values; and has yielded, or may be likely to yield, information important in the prehistory or history of the city, the region, the state or the nation. For the same reasons discussed above ESA is recommending the property ineligible for local listing.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code

Other Listings
Review Code

Reviewer

Date

Page 1 of 4

*Resource Name or #: 1730 14th Street

P1. Other Identifier:

*P2. Location: Not for Publication Unrestricted

*a. County: Sacramento

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad:

Date:

T ; R ; ¼ of ¼ of Sec ; M.D. B.M.

c. Address: 1730 14th Street

City: Sacramento

Zip: 95811

d. UTM: Zone: ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation:

APN#006-0285-016

*P3a. **Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The subject property includes a 19,200 sf building on the northwest corner of 14th and R streets. It is a large, single story warehouse with a rectangular footprint, and it abuts adjacent properties on the west property line. The reinforced concrete building sits on a concrete slab foundation. It is clad in painted brick with a smooth stucco wainscot, and the building is capped by a hipped roof with skylights.

The east (primary) facade includes two recessed entries with single flush pedestrian doors: one in the center of the facade and one near the north end of the facade. Twelve multi-pane, steel-frame industrial windows with concrete wills span the facade. The facade terminates in a roof gutter.

*P3b. **Resource Attributes:** HP6. 1-3 story commercial building

*P4. **Resources Present:** Building Structure Object Site District Element of District Other (Isolates, etc.)

P5a. Photo or Drawing



P5b. Description of Photo:
Primary facade looking northwest,
ESA 2017

*P6. **Date Constructed/Age and Sources:**

Historic Prehistoric Both
1939/ Assessor

*P7. **Owner and Address:**

MBJL Holdings LLS et al.
520 Capitol Mall, #380
Sacramento, CA 95814

*P8. **Recorded by:** (Name, affiliation, and address)

Amber Grady & Johanna Kahn
ESA
2600 Capitol Ave, Ste 200
Sacramento, CA 95816

*P9. **Date Recorded:** 2/1/2017

*P10. **Survey Type:** (Describe)
Intensive

*P11. **Report Citation:** (Cite survey report and other sources, or enter "none.")

City of Sacramento Downtown Specific Plan Cultural Resources Survey and Inventory Report, ESA, 2017.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record
 Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record
 Artifact Record Photograph Record Other (List):

BUILDING, STRUCTURE, AND OBJECT RECORD

*Resource Name or # 1730 14th Street

B1. Historic Name: none

B2. Common Name: none

B3. Original Use: Warehouse

B4. Present Use: Warehouse/Commercial

*B5. Architectural Style: Industrial

*B6. Construction History:

Built in 1939. In 1951, permits were issued to then-owner C. H. Carter to remodel interior offices and for unspecified "alterations to present bldg." In 1955, a permit was obtained to reroof the building; the contractor of record was Alex Engardt. There is a permit from 1956 that is not legible. In 1990, the building was certified for "warehouse" occupancy.

*B7. Moved? No Yes Unknown Date: n/a

Original Location: n/a

*B8. Related Features:

B9a. Architect: unknown

b. Builder: unknown

*B10. Significance: Theme: Commercial

Area: Sacramento

Period of Significance: 1939

Property Type: Commercial

Applicable Criteria: n/a

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Sacramento's early development is closely tied to the evolution of the railroads. What we now refer to as the R Street Corridor is an example of that close tie with the development of warehouses, commercial distribution centers, and light industrial businesses that sprang up in the late 19th and early 20th centuries after the rail lines were established. The SVRR opened for business in 1856; a freight depot with a ticket counter was located near Front and L Streets, and the track ran south along the river, and then eastward along R Street for 22 miles to the terminus in what is now Folsom. Southern Pacific Railroad had freight lines running down the center of R Street and Western Pacific Railroad had lines immediately to the north. In the late 19th century inventions such as the refrigerated rail car and modern canning techniques further boosted the development of industrial uses in Sacramento, specifically the R Street Corridor.

The subject property was developed at least as early as 1895 with multiple dwellings and one blacksmith shop, according to the Sanborn Map from that year. The 1930 City Directory lists "Parker R A," who was likely one of the residents at that time. The buildings were demolished sometime before 1939, when the subject property was constructed according to the City Assessor's Records. The 1947 aerial photograph appears to show the current building with the original footprint. The 1915-1951 and 1915-1952 Sanborn maps show "Elec. Supply W.Ho." with railroad siding along Quill Alley (the north side of the building) that is disconnected from the main freight line on R Street. There are no listings in the 1935, 1940, and 1945 City Directories. The 1947 City Directory lists "Westinghouse Elec Sup Co." Westinghouse occupies the site until 1966. City Directories from 1967, 1968, 1969, and 1970 show the "Sacramento Rubber Co mfrs" occupying the building.

(Continued on page 3)

B11. Additional Resource Attributes:

*B12. References: 1895, 1915, 1915-1951, and 1915-1952 Sanborn Maps; City Directories

B13. Remarks: none

*B14. Evaluator: Amber Grady, ESA
2600 Capitol Ave, Ste 200
Sacramento, CA 95816

(This space reserved for official comments.)



***P3a. Description: (continued from page 1)**

The south façade fronts R Street and includes an at-grade level metal roll-up vehicle in the center of the façade. A single flush pedestrian door flanks the vehicular opening on the west, and an identical pedestrian door is located at the west end of the façade. Across the upper portion of the façade are six multi-pane, steel-frame industrial windows with concrete sills. The façade terminates in a roof gutter.

The north façade fronts the lightrail tracks that run along Quill Alley. All fenestration has been filled in with brick, and it is apparent that multiple door and window openings of various sizes were once part of the façade. Concrete window sills can still be seen. The façade terminates in a roof gutter.

***B10. Significance: (continued from page 2)**

Criterion 1/A

Criterion 1/A recognizes properties associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States. The property must also have an important association with the event or historic trends – mere association with historic events or trends is not enough to qualify under Criterion 1 (U.S. Department of the Interior, 2002). The subject property is a warehouse along the originally industrial R Street corridor that was originally occupied by the Westinghouse Electrical Company. Research did not reveal that the property was associated with specific events that have made a significant contribution to the broad patterns of our history. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 1/A.

Criterion 2/B

Criterion 2/B applies to properties associated with the lives of persons important to local, California or national history. The individual's specific contributions to history must be identified and documented. The criterion is generally restricted to those properties that illustrate (rather than commemorate) a person's important achievements and productive life, and must be the property that is most closely associated with that person and the actions for which they are important. Each property associated with an important individual should be compared to other associated properties to identify those that best represent the person's historic contributions (U.S. Department of the Interior, 2002). Research into previous owners and occupants of the property did not reveal any significant associations that would qualify under Criterion 2/B. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 2/B.

Criterion 3/C

Criterion 3/C applies to properties that embody the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values. To be eligible under Criterion 3/C, a property must meet at least one of the following requirements: embody distinctive characteristics of a type, period, or method of construction; represent the work of a master; possess high artistic value; or represent a significant and distinguishable entity whose components may lack individual distinction. The first requirement, that properties "embody the distinctive characteristics of a type, period, or method of construction," refers to the way in which a property was conceived, designed, or fabricated by a people or culture in past periods of history. "The work of a master" refers to the technical or aesthetic achievements of an architect or craftsman. "High artistic values" concerns the expression of aesthetic ideals or preferences and applies to aesthetic achievement. A structure is eligible as a specimen of its type or period of construction if it is an important example (within its context) of building practices of a particular time in history (U.S. Department of the Interior, 2002). The subject property is a simply designed, utilitarian warehouse and does not represent an excellent example of the building style or method of construction. ESA does not recommend the subject property as eligible for the California Register under Criterion 3/C.

(Continued on page 4)

***B10. Significance: (continued from page 3)**

Criterion 4/D

Criterion 4/D asks whether a property has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation. While most often applied to archeological districts and sites, Criterion 4/D can also apply to buildings, structures, and objects that contain important information. In order for these types of properties to be eligible under Criterion D, they themselves must be, or must have been, the principal source of the important information (U.S. Department of the Interior, 2002). The subject property does not appear to yield significant information that would expand our current knowledge or theories of design, methods of construction, operation, or other information that is not already known, and does not appear to be eligible for the California Register under Criterion 4/D.

City of Sacramento

The City of Sacramento has established Landmark and Historic District Eligibility Criteria. The Landmark Eligibility criteria are very similar to the California and National registers and include association with events that have made a significant contribution to the broad patterns of the history of the city, the region, the state or the nation; association with the lives of persons significant in the city's past; distinctive characteristics of a type, period or method of construction; represents the work of an important creative individual or master; possesses high artistic values; and has yielded, or may be likely to yield, information important in the prehistory or history of the city, the region, the state or the nation. For the same reasons discussed above ESA is recommending the property ineligible for local listing.

Other Listings
Review Code

Reviewer

Date

Page 1 of 4

*Resource Name or #: 915 R Street

P1. Other Identifier:

*P2. Location: Not for Publication Unrestricted

*a. County: Sacramento

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad:

Date:

T ; R ; ¼ of ¼ of Sec ; M.D. B.M.

c. Address: 915 R Street

City: Sacramento

Zip: 95811

d. UTM: Zone: ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation:

APN#006-0272-022

*P3a. **Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
The subject property includes a 11,160 sf building on a 11,200 sf lot on the north side of R Street between 9th and 10th streets. It is a single story warehouse with a rectangular footprint, and it abuts an adjacent building on the east property line. The building is of reinforced concrete masonry unit construction, sits on a concrete slab foundation, and is capped by a shingled bow roof.

The south (primary) facade is clad in painted concrete masonry units and includes three metal roll-up doors raised approximately four feet above grade. The door near the west end of the façade is covered by a horizontal, corrugated metal awning with metal braces above, and it is flanked on both sides by steel-frame windows with eight lights. Two more windows flank the eastern pair of roll-up doors. The façade terminates in an unadorned parapet that conceals a gutter.

*P3b. **Resource Attributes:** HP6. 1-3 story commercial building

*P4. **Resources Present:** Building Structure Object Site District Element of District Other (Isolates, etc.)

P5a. Photo or Drawing



P5b. Description of Photo:
Primary (south) and west façades looking northeast, ESA 2017

*P6. **Date Constructed/Age and Sources:**

Historic Prehistoric Both
1949/ Assessor

*P7. **Owner and Address:**

1724 10th Street Investors LLC
1006 4th Street, #701
Sacramento, CA 95814

*P8. **Recorded by:** (Name, affiliation, and address)

Amber Grady & Johanna Kahn
ESA
2600 Capitol Ave, Ste 200
Sacramento, CA 95816

*P9. **Date Recorded:** 2/1/2017

*P10. **Survey Type:** (Describe)
Intensive

*P11. **Report Citation:** (Cite survey report and other sources, or enter "none.")

City of Sacramento Downtown Specific Plan Cultural Resources Survey and Inventory Report, ESA, 2017.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record
 Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record
 Artifact Record Photograph Record Other (List):.

BUILDING, STRUCTURE, AND OBJECT RECORD

*Resource Name or # 915 R Street

B1. Historic Name: none

B2. Common Name: none

B3. Original Use: Warehouse

B4. Present Use: Warehouse/Commercial

*B5. Architectural Style: Utilitarian

*B6. Construction History:
Built in 1949.

*B7. Moved? No Yes Unknown Date: n/a

Original Location: n/a

*B8. Related Features:

B9a. Architect: unknown

b. Builder: unknown

*B10. Significance: Theme: Commercial

Area: Sacramento

Period of Significance: 1949

Property Type: Commercial

Applicable Criteria: n/a

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Sacramento's early development is closely tied to the evolution of the railroads. What we now refer to as the R Street Corridor is an example of that close tie with the development of warehouses, commercial distribution centers, and light industrial businesses that sprang up in the late 19th and early 20th centuries after the rail lines were established. The SVRR opened for business in 1856; a freight depot with a ticket counter was located near Front and L Streets, and the track ran south along the river, and then eastward along R Street for 22 miles to the terminus in what is now Folsom. Southern Pacific Railroad had freight lines running down the center of R Street and Western Pacific Railroad had lines immediately to the north. In the late 19th century inventions such as the refrigerated rail car and modern canning techniques further boosted the development of industrial uses in Sacramento, specifically the R Street Corridor.

The subject property was developed at least as early as 1895 with multiple dwellings and outbuildings, according to the Sanborn Map from that year. The 1915 Sanborn shows that all of these buildings were demolished sometime before 1915. The 1915-1951 Sanborn shows a vacant lot containing railroad siding accessed by the adjacent Goodwill Tire & Rubber Co. warehouse at 1724 10th Street (a.k.a. 925 R Street). A 1947 aerial photograph shows no buildings on the subject property. According to the City Assessor's Records, the current building was constructed in 1949. The 1915-1952 Sanborn Map shows a "Tire W. Ho." with railroad siding along Quill Alley (the north side of the building), and it appears that it was constructed as an addition to the Goodwill Tire & Rubber Co. warehouse immediately to the east.

(Continued on page 3)

B11. Additional Resource Attributes:

*B12. References: 1895, 1915, 1915-1951, and 1915-1952 Sanborn Maps

B13. Remarks: none

*B14. Evaluator: Amber Grady, ESA
2600 Capitol Ave, Ste 200
Sacramento, CA 95816

(This space reserved for official comments.)



***P3a. Description: (continued from page 1)**

The west façade is a solid wall with no window or door openings and is clad in painted concrete masonry units. It terminates in an unadorned parapet that conceals a gutter.

The north façade fronts a parking lot accessible from Quill Alley is clad in painted concrete masonry units. The façade features five steel-frame windows, each with eight lights. Two former openings – likely for roll-up doors like those on the south façade – have been covered with painted sheet metal panels. The façade terminates in an unadorned parapet that conceals a gutter.

***B10. Significance: (continued from page 2)**

Criterion 1/A

Criterion 1/A recognizes properties associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States. The property must also have an important association with the event or historic trends – mere association with historic events or trends is not enough to qualify under Criterion 1 (U.S. Department of the Interior, 2002). The subject property is a warehouse along the originally industrial R Street corridor that was originally associated with the adjacent property at 1724 10th Street. Research did not reveal that the property was associated with specific events that have made a significant contribution to the broad patterns of our history. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 1/A.

Criterion 2/B

Criterion 2/B applies to properties associated with the lives of persons important to local, California or national history. The individual's specific contributions to history must be identified and documented. The criterion is generally restricted to those properties that illustrate (rather than commemorate) a person's important achievements and productive life, and must be the property that is most closely associated with that person and the actions for which they are important. Each property associated with an important individual should be compared to other associated properties to identify those that best represent the person's historic contributions (U.S. Department of the Interior, 2002). Research into previous owners and occupants of the property did not reveal any significant associations that would qualify under Criterion 2/B. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 2/B.

Criterion 3/C

Criterion 3/C applies to properties that embody the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values. To be eligible under Criterion 3/C, a property must meet at least one of the following requirements: embody distinctive characteristics of a type, period, or method of construction; represent the work of a master; possess high artistic value; or represent a significant and distinguishable entity whose components may lack individual distinction. The first requirement, that properties "embody the distinctive characteristics of a type, period, or method of construction," refers to the way in which a property was conceived, designed, or fabricated by a people or culture in past periods of history. "The work of a master" refers to the technical or aesthetic achievements of an architect or craftsman. "High artistic values" concerns the expression of aesthetic ideals or preferences and applies to aesthetic achievement. A structure is eligible as a specimen of its type or period of construction if it is an important example (within its context) of building practices of a particular time in history (U.S. Department of the Interior, 2002). The subject property is a simply designed, utilitarian warehouse and does not represent an excellent example of the building style or method of construction. ESA does not recommend the subject property as eligible for the California Register under Criterion 3/C.

(Continued on page 4)

***B10. Significance: (continued from page 3)**

Criterion 4/D

Criterion 4/D asks whether a property has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation. While most often applied to archeological districts and sites, Criterion 4/D can also apply to buildings, structures, and objects that contain important information. In order for these types of properties to be eligible under Criterion D, they themselves must be, or must have been, the principal source of the important information (U.S. Department of the Interior, 2002). The subject property does not appear to yield significant information that would expand our current knowledge or theories of design, methods of construction, operation, or other information that is not already known, and does not appear to be eligible for the California Register under Criterion 4/D.

City of Sacramento

The City of Sacramento has established Landmark and Historic District Eligibility Criteria. The Landmark Eligibility criteria are very similar to the California and National registers and include association with events that have made a significant contribution to the broad patterns of the history of the city, the region, the state or the nation; association with the lives of persons significant in the city's past; distinctive characteristics of a type, period or method of construction; represents the work of an important creative individual or master; possesses high artistic values; and has yielded, or may be likely to yield, information important in the prehistory or history of the city, the region, the state or the nation. For the same reasons discussed above ESA is recommending the property ineligible for local listing.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code

Other Listings
Review Code

Reviewer

Date

Page 1 of 4

*Resource Name or #: 1724 10th Street

P1. Other Identifier: 925 R Street

*P2. Location: Not for Publication Unrestricted

*a. County: Sacramento

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad: Date: T ; R ; ¼ of ¼ of Sec ; M.D. B.M.

c. Address: 1724 10th Street and 925 R Street

City: Sacramento

Zip: 95811

d. UTM: Zone: ; mE/ mN (G.P.S.)

e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) Elevation:

APN#006-0272-021

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The subject property includes a 28,800 sf building on a 14,400 sf lot on the northwest corner of 10th and R streets. It is a large, single-story-over-raised-basement warehouse with a square footprint, and it abuts an adjacent building on the west property line. The wood-frame building with brick walls and a concrete foundation is capped by a low mansard roof with wood shingles and a flat top. The flat portion of the roof includes more than a dozen smaller roof forms and roof-mounted equipment.

The east (primary) façade is clad in exposed brick on a raised concrete curb, and it is comprised of 10 structural bays. All bays feature a flush concrete header with a vertical wood panel directly below, and all but one bay have a brick sill. The southernmost bay features a single, at-grade, glazed aluminum door with aluminum-frame transom and sidelights. Counting from the south end of the façade, the second through eighth bays and the tenth northernmost bay include single, fixed aluminum-frame windows with either vertical wood panels or brick infill directly below. The ninth bay is filled in completely with vertical wood panels. The façade terminates in a brick parapet that conceals a gutter.

*P3b. Resource Attributes: HP6. 1-3 story commercial building

*P4. Resources Present: Building Structure Object Site District Element of District Other (Isolates, etc.)

P5a. Photo or Drawing



P5b. Description of Photo: South and east façades looking northeast, ESA 2017

*P6. Date Constructed/Age and Sources:

Historic Prehistoric Both
1920/ Assessor

*P7. Owner and Address:

1724 10th Street Investors LLC
1006 4th Street, #701
Sacramento, CA 95814

*P8. Recorded by: (Name, affiliation, and address)

Amber Grady & Johanna Kahn
ESA
2600 Capitol Ave, Ste 200
Sacramento, CA 95816

*P9. Date Recorded: 2/1/2017

*P10. Survey Type: (Describe)
Intensive

*P11. Report Citation: (Cite survey report and other sources, or enter "none.")

City of Sacramento Downtown Specific Plan Cultural Resources Survey and Inventory Report, ESA, 2017.
Turton Commercial Real Estate. "1724 10th St.: Innovative Space for Creative Minds." www.turtoncom.com.

*Attachments: NONE Location Map Sketch Map Continuation Sheet Building, Structure, and Object Record
 Archaeological Record District Record Linear Feature Record Milling Station Record Rock Art Record
 Artifact Record Photograph Record Other (List):

BUILDING, STRUCTURE, AND OBJECT RECORD

*Resource Name or # 1724 10th Street

B1. Historic Name: Goodyear Tire & Rubber Co.

B2. Common Name: n/a

B3. Original Use: Warehouse

B4. Present Use: Warehouse/Commercial

*B5. Architectural Style: Industrial

*B6. Construction History: Built in 1920. In 1945, a roof was constructed "over loading platform" of the Western Pacific Railroad. In 1950, a building permit was issued for unspecified "alterations to bldg." in the amount of \$2,000 that included a wood-frame interior addition. That same year, another building permit was issued to construct a rear addition to the warehouse in the amount of \$24,500, and the contractor was G.J. Harlow (this refers to the extant building at 915 R Street). An interior office was remodeled and enlarged in 1961, and the contractor was and the contractor was Lewis & Bristow. The building was reroofed in 1973 and 1980, and the contractor on record was Fred B. Curtis. In 1976, an existing door was relocated "in warehouse and office."

*B7. Moved? No Yes Unknown Date: n/a

Original Location: n/a

*B8. Related Features: none

B9a. Architect: unknown

b. Builder: unknown

*B10. Significance: Theme: Commerical Development

Area: Sacramento

Period of Significance: 1920

Property Type: Commercial

Applicable Criteria: n/a

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

Sacramento's early development is closely tied to the evolution of the railroads. What we now refer to as the R Street Corridor is an example of that close tie with the development of warehouses, commercial distribution centers, and light industrial businesses that sprang up in the late 19th and early 20th centuries after the rail lines were established. The SVRR opened for business in 1856; a freight depot with a ticket counter was located near Front and L Streets, and the track ran south along the river, and then eastward along R Street for 22 miles to the terminus in what is now Folsom. Southern Pacific Railroad had freight lines running down the center of R Street and Western Pacific Railroad had lines immediately to the north. In the late 19th century inventions such as the refrigerated rail car and modern canning techniques further boosted the development of industrial uses in Sacramento, specifically the R Street Corridor.

The subject property was developed at least as early as 1895 with multiple dwellings and outbuildings, according to the Sanborn Map from that year. The 1915 Sanborn shows that all of these buildings were demolished sometime before 1915 and replaced with one duplex building on an otherwise vacant property. The 1915-1951 and 1915-1952 Sanborns show a "Goodyear Tire & Rubber Co" warehouse on the site. On the earlier map, railroad siding from the freight line along Quill Alley provided access to the building's west façade, and the later map shows that the railroad siding was moved to the building's north façade. According to building permits, the building was owned by T. Swanston in 1950, Florence Swanston in 1961, the Farber Bros. in 1973-1974, and S. Farber in 1976.

(Continued on page 3)

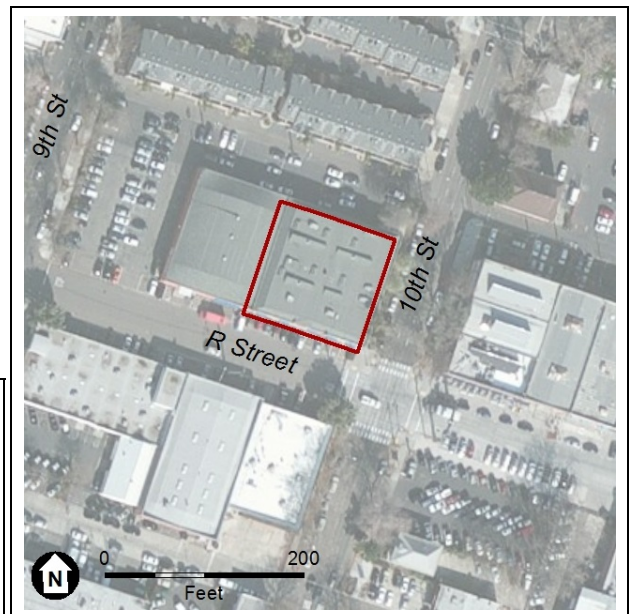
B11. Additional Resource Attributes: none

*B12. References: 1895, 1915, 1915-1951, and 1915-1952 Sanborn Maps; "Goodyear History" (www.corporate.goodyear.com/en-us/about/history.html); Building permits

B13. Remarks: none

*B14. Evaluator: Amber Grady, ESA
2600 Capitol Ave, Ste 200
Sacramento, CA 95816

(This space reserved for official comments.)



***P3a. Description: (continued from page 1)**

The south façade fronts R Street and is clad in exposed brick with a smooth concrete wainscot. At the roofline near the center of the façade, a dormer addition with a flat roof is clad in stucco. The dormer includes a fixed, aluminum-frame window with a brick sill, and part of the brick wall has been removed to accommodate the shape of the window. Below the dormer are three window openings with arched brick headers and brick sills. The windows are covered with metal security grates. Flanking the arched windows are five recessed openings with concrete headers, two on the west end of the façade and three on the east end. Each opening includes a single, fixed aluminum-frame window with a brick sill and brick infill below. A narrow external brick chimney is located near the east end of the façade. Several small square openings a few inches above grade are located at irregular intervals across the base of the façade. Three of these appear to be window openings that are covered with metal security grates, and three others are covered by metal panels with exterior-mounted mechanical units. The façade terminates in a brick parapet that conceals a gutter.

The north façade fronts the lightrail tracks that run along Quill Alley, and it is clad in painted brick. There are two window openings with arched brick headers and brick sills, and these are covered with metal security grates. Three rectangular openings with brick sills include either one or two fixed, aluminum-frame windows. Several small square window openings are located at irregular intervals across the base of the façade and are covered with metal security grates. The façade terminates in a brick parapet that conceals a gutter.

***B10. Significance: (continued from page 2)**

Criterion 1/A

Criterion 1/A recognizes properties associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States. The property must also have an important association with the event or historic trends – mere association with historic events or trends is not enough to qualify under Criterion 1 (U.S. Department of the Interior, 2002). The subject property is a warehouse along the originally industrial R Street corridor that was originally occupied by the Goodyear Tile & Rubber Co. By the time the building was constructed in 1920, Goodyear had become the largest tire company in the world, with operations throughout North and South America, Africa, and Australia. However, the subject property was not part of the company's revolutionary product development or manufacturing, and for this reason it does not appear to have been associated with specific events that have made a significant contribution to the broad patterns of our history. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 1/A.

Criterion 2/B

Criterion 2/B applies to properties associated with the lives of persons important to local, California or national history. The individual's specific contributions to history must be identified and documented. The criterion is generally restricted to those properties that illustrate (rather than commemorate) a person's important achievements and productive life, and must be the property that is most closely associated with that person and the actions for which they are important. Each property associated with an important individual should be compared to other associated properties to identify those that best represent the person's historic contributions (U.S. Department of the Interior, 2002). Research into previous owners and occupants of the property did not reveal any significant associations that would qualify under Criterion 2/B. ESA recommends that the property does not appear to be eligible for the California Register under Criterion 2/B.

***B10. Significance: (continued from page 3)**

Criterion 3/C

Criterion 3/C applies to properties that embody the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values. To be eligible under Criterion 3/C, a property must meet at least one of the following requirements: embody distinctive characteristics of a type, period, or method of construction; represent the work of a master; possess high artistic value; or represent a significant and distinguishable entity whose components may lack individual distinction. The first requirement, that properties "embody the distinctive characteristics of a type, period, or method of construction," refers to the way in which a property was conceived, designed, or fabricated by a people or culture in past periods of history. "The work of a master" refers to the technical or aesthetic achievements of an architect or craftsman. "High artistic values" concerns the expression of aesthetic ideals or preferences and applies to aesthetic achievement. A structure is eligible as a specimen of its type or period of construction if it is an important example (within its context) of building practices of a particular time in history (U.S. Department of the Interior, 2002). The subject property is a simply designed, utilitarian warehouse and does not represent an excellent example of the building style or method of construction. ESA does not recommend the subject property as eligible for the California Register under Criterion 3/C.

Criterion 4/D

Criterion 4/D asks whether a property has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation. While most often applied to archeological districts and sites, Criterion 4/D can also apply to buildings, structures, and objects that contain important information. In order for these types of properties to be eligible under Criterion D, they themselves must be, or must have been, the principal source of the important information (U.S. Department of the Interior, 2002). The subject property does not appear to yield significant information that would expand our current knowledge or theories of design, methods of construction, operation, or other information that is not already known, and does not appear to be eligible for the California Register under Criterion 4/D.

City of Sacramento

The City of Sacramento has established Landmark and Historic District Eligibility Criteria. The Landmark Eligibility criteria are very similar to the California and National registers and include association with events that have made a significant contribution to the broad patterns of the history of the city, the region, the state or the nation; association with the lives of persons significant in the city's past; distinctive characteristics of a type, period or method of construction; represents the work of an important creative individual or master; possesses high artistic values; and has yielded, or may be likely to yield, information important in the prehistory or history of the city, the region, the state or the nation. For the same reasons discussed above ESA is recommending the property ineligible for local listing.