



ADDENDUM TO AN ADOPTED MITIGATED NEGATIVE DECLARATION

The City of Sacramento, California, a municipal corporation, does hereby prepare, make declare, and publish the Addendum to an adopted Mitigated Negative Declaration (MND) for the following described project:

Project Name and Number: Terrace Park Residential Project (P22-045)

Original Project: Terrace Park Elementary School & 5+ Acre Joint-Use Park (126903)

The City of Sacramento, Community Development Department, has reviewed the proposed project and on the basis of the whole record before it, has determined that there is no substantial evidence that the project, as identified in the attached Addendum, would have a significant effect on the environment beyond that which was evaluated in the attached MND. A Subsequent MND or EIR is not required pursuant to the California Environmental Quality Act of 1970 (Sections 21000, *et seq.*, Public Resources Code of the State of California) (CEQA).

This Addendum to an adopted MND has been prepared pursuant to Title 14, Section 15164 of the California Code of Regulations; the Sacramento Local Environmental Regulations (Resolution 91-892) adopted by the City of Sacramento.

A copy of this document and all supportive documentation may be reviewed or obtained at the City of Sacramento, Community Development Department, Planning Division, 300 Richards Boulevard, Sacramento, California 95811.

Environmental Services Manager, City of
Sacramento, California, a municipal corporation

By: *Scott Johnson*
_____ for Tom Buford

Date: April 18, 2023

Terrace Park Residential Project (P22-045)
Addendum to the Terrace Park Elementary School & 5+ Acre
Joint-Use Park Mitigated Negative Declaration
(SCH 2007082059)

Project Name/File Number: Terrace Park Residential Project (P22-045)

Project Location: The proposed project is located at 891 Greg Thatch Circle in the Natomas Creek neighborhood (see Attachment A, Terrace Park Residential Project Site Plan), within the North Natomas Community Plan area in the City of Sacramento, California. (the “Project”)

Existing General Plan

Designation and Zoning: The City of Sacramento 2035 General Plan land use designation for the Project site is Public/Quasi-Public. The current zoning designation for the project site is Single-Family Alternative Residential/Planned Unit Development (R-1A-PUD). Single-unit dwellings are included as a permitted use in the R-1A-PUD zone, but the Project would require a General Plan Amendment and a Planned Unit Development Schematic Plan Amendment.

Project Discussion:

A planning application was received by the City of Sacramento for the Project proposing development of a 79-lot single-family residential subdivision, various on-site road and utility improvements, and landscaping on approximately 8.2 acres of vacant land located at 891 Greg Thatch Circle (Assessor Parcel Number 201-1070-076) adjacent to the existing Terrace Park. The proposed residences would be comprised of three designs (Plans 1, 2, and 3), each featuring two floors and ranging in size from 1,755 square feet (sf) to 2,070 sf. Access to the project site would be provided by Greg Thatch Circle and Tres Piezas Drive, which would each provide a single point of entry/exit. New water, sewer, and storm drain lines would be installed within the proposed internal streets. Finally, each lot would include landscaping elements to enhance the visual quality of the project site, including street trees, shrubs, and ground cover.

The Project application would require the following entitlements:

1. General Plan Amendment (GPA);
2. Planned Unit Development (PUD) Schematic Plan Amendment;
3. Tentative Subdivision Map; and
4. Site Plan and Design Review

The Project is located within a larger development area known as the Terrace Park Elementary School & 5+ Acre Joint-Use Park project (TP Elementary School/Park). The TP Elementary School/Park project was approved and the associated Mitigated Negative Declaration (MND) was adopted by the Rio Linda Union School District (USD) on January 14, 2008. Further details regarding

the original TP Elementary School/Park project and MND, as well as the proposed modifications to the affected parcel are provided below.

TP Elementary School/Park Project Background

The TP Elementary School/Park project was approved and the associated MND was adopted by the Rio Linda Union School District (USD) on January 14, 2008. The project approval included evaluation in compliance with CEQA for development of the entire project site. Available documentation related to the MND is attached (**Attachment E**) and available online at:

<https://www.cityofsacramento.org/Community-Development/Planning/Environmental/Impact-Reports>

<https://ceqanet.opr.ca.gov/Project/2007082059>

The TP Elementary School/Park MND was prepared in compliance with CEQA and evaluated the relevant technical issues in terms of whether the TP Elementary School/Park project, as proposed, would cause significant effects on the environment. The MND identified the mitigation measures that are required to reduce significant effects.

The original TP Elementary School/Park project was approved for the development of an approximately 15.5-acre site located in the North Natomas Community Plan Area for an approximately 10-acre elementary school site for 613 students (K-6), including classrooms, administrative buildings, multi-use building/kitchen, library, parking areas, internal circulation roads, playgrounds, and landscaping. The remaining approximately 5 acres of the project site was approved for the development of a joint-use neighborhood park site. The neighborhood park was ultimately constructed and is available for use within the neighborhood, but the elementary school site was never constructed.

The Terrace Park Residential Project (the “Project”) is proposed on the vacant elementary school site within the TP Elementary School/Park project site. As described above, the TP Elementary School/Park project contemplated the development and operation of a 613-student elementary school within the TP Elementary School/Park project site, where the proposed project would be located. Single-unit dwellings are a permitted use in the R-1A-PUD zoning designation and the proposed 79 units would be less intensive than the development of a 613-student elementary school on the project site.

CEQA Analysis Approach

In the case of a project proposal requiring discretionary approval by the City on a project for which an MND has already been adopted for development of the overall project, as here, the City must determine whether a supplemental or subsequent EIR or MND is required. The CEQA Guidelines provide guidance in this process by requiring an examination of whether, since the adoption of the MND and approval of the project, changes in the project or conditions have been made to such an extent that the proposal may result in substantial changes in physical conditions that are considered significant under CEQA. If so, the City would be required to prepare a subsequent EIR/MND or supplement to the EIR/MND.

The examination of impacts addressed in the prior MND is the first step taken by the City in reviewing the CEQA treatment of the proposed project, in order to determine if the prior MND remains relevant to evaluate the changed plans and circumstances proposed by the Project. The City has determined that the prior MND is relevant to the evaluation of the Terrace Park Residential Project. This is so because the impacts associated with construction and operation of an elementary school are similar in nature or reduced in intensity to the construction and operation of residential homes at the site. They both involve similar in kind and amount of ground disturbance throughout the site, similar construction techniques and materials, and similar operational characteristics, as discussed below, all to a similar or lesser degree for the Terrace Park Residential Project.

The following review next proceeds with the requirements of CEQA Guidelines Section 15162 in mind. Section 15162 is discussed in detail below. The following discussion concludes that the conditions set forth in Section 15162 were not present, and that an addendum would be prepared for the project pursuant to CEQA Guidelines Section 15164. For purposes of this Addendum, the TP Elementary School/Park MND is hereinafter referred to as the previous MND.

Discussion

An Addendum to an adopted MND may be prepared if only minor technical changes or additions are required, or none of the conditions identified in CEQA Guidelines Section 15162 are present. (CEQA Guidelines §15164(b).) The following identifies the standards set forth in Section 15162(a) as they relate to the project:

1. Substantial changes are proposed in the project which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
2. Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or
3. New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete or the negative declaration was adopted, shows any of the following:
 - a. The project will have one or more significant effects not discussed in the previous EIR or negative declaration;
 - b. Significant effects previously examined will be substantially more severe than shown in the previous EIR or negative declaration;
 - c. Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or

- d. Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

Section 15162 provides that the lead agency's role in project approval is completed upon adoption of the previous MND and approval of the project, unless further discretionary action is required. The approvals requested as part of the proposed project are considered discretionary actions, and CEQA review, is therefore required.

"Substantial Changes in the Project" Standard

The proposed Project would alter the uses originally proposed for the site, but those changes will not result in any new significant environmental effects or a substantial increase in the severity of previously identified significant effects. While the Proposed project would increase the number of residential units planned within the entirety of the elementary school site portion of the TP Elementary School/Park project site, the proposed project would not result in an increase in intensity of development or environmental effects of the TP Elementary School/Park project as contemplated and evaluated in the TP Elementary School/Park MND. The proposed project is consistent with the existing zoning designation for the site. The General Plan designation for the project site is Public/Quasi-Public, but the proposed project would include an amendment to the General Plan designation and a Planned Unit Development (PUD) Schematic Plan Amendment that is consistent with the reduced overall development intensity of the Terrace Park Residential Project..

The Project would allow single-family dwelling development on the former elementary school lot. The previous MND analyzed the Project site for elementary school use. The impacts identified in the previous MND for the elementary school site will be reduced by the development of 79 single-dwelling units as compared to the development of a 613-student elementary school.

Overall, development of the proposed project would not result in any substantial changes that would involve new significant impacts not identified in the MND or result in a substantial increase in the severity of previously identified significant impacts. The proposal, therefore, does not constitute a substantial change in the project.

"Substantial Changes in the Circumstances" Standard

Pursuant to Section 15162(a)(2) of the CEQA Guidelines, this section presents a discussion of whether changes to the project site or the vicinity (environmental setting) have occurred subsequent to the certification of the previous MND that would result in new significant impacts or a substantial increase in the severity of a previously identified significant impact that were not evaluated and mitigated by the previous MND.

Physical changes that have occurred to the project site and in the vicinity of the proposed project site include the development of Magnolia Park consistent with the TP Elementary School/Park project and the PUD. All of the single-unit development surrounding the project site already existed when the TP Elementary School/Park MND was adopted. As discussed in this addendum, the

addition of detached residential units within the TP Elementary School/Park project site, through implementation of the proposed project, would not result in any new or more severe environmental effects not considered or evaluated in the TP Elementary School/Park MND.

The prior MND described the site as follows: “Presently the site is level, unoccupied and covered with grass. The site contains no special or unique features. The areas around the site (school and park) are neighborhood streets and recently built single-family residences.” The current site conditions are nearly identical, but for the construction of Magnolia Park. The Project site has otherwise remained mass graded and undeveloped, featuring ruderal vegetation that is routinely disked. The existing surrounding uses include Magnolia Park to the north; single-family residences further to the north, across Greg Thatch Circle; and single-family residences to the east, across Tres Piezas Drive, to the south, across Greg Thatch Circle, and to the west. Thus, there have been no substantial changes in the circumstances of the project as considered in the previous MND. For this reason, the proposed project would not result in any substantial physical changes to the circumstances for the project site from what was included in the original project approval that would affect any issue of environmental significance.

One of the requirements of CEQA is the examination of whether a proposed project would conflict with existing plans and regulations, including the General Plan, zoning regulations, and other planning documents. Inconsistencies may suggest that a project would have environmental effects that have not been identified in advance, and for which planning, or analysis has not occurred. The proposed project would require the Planned Unit Development Schematic Plan to be amended to reflect the proposed use, building height and site design on the proposed Project site. In addition, while the zoning designation allows for the proposed use, the General Plan designation would need to be amended from Public/Quasi-Public to Suburban Neighborhood Medium; however, the proposed modifications would be a less-intensive use than was previously analyzed within the previous MND. Accordingly, City staff has determined that the proposed project would not result in any new circumstances that would result in new significant impacts or substantially more severe impacts from what has been anticipated for the site in the previous environmental document.

“New Information of Substantial Importance” Standard

Pursuant to Section 15162(a)(3) of the CEQA Guidelines, this section includes a discussion of whether the proposed project would result in new information of substantial importance which was not known and could not have been known with the exercise of reasonable diligence at the time the previous MND was certified. New information of substantial importance includes:

1. One or more significant effects not discussed in the previous MND;
2. Significant effects previously examined that are substantially more severe than shown in the previous MND;
3. Mitigation measures or alternatives previously found not to be feasible would in fact be feasible, and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or
4. Mitigation measures or alternatives that are considerably different from those analyzed in the previous MND would substantially reduce one or more significant effects on the

environment, but the project proponents decline to adopt the mitigation measure or alternative.

Based on the proposed project, the City of Sacramento deemed additional in-depth analysis to not be necessary for any environmental factor. However, the project's impacts on environmental resource areas are discussed briefly below. Where new information of substantial importance was not identified, new or additional mitigation would not be necessary.

The requirements of site plan and design review, prior to construction and operation, are requirements that apply to activities generally on the project site, and do not reflect an inconsistency with the relevant City regulations that were previously applied to the TP Elementary School/Park site that would represent "New Information of Substantial Importance." The analysis in the prior MND, to the extent the analysis relied on review and approval of a project that would follow the standards and requirements as set forth in relevant planning documents, is unchanged and valid.

Environmental Factors

Aesthetics, Light, and Glare

The previous MND did not identify impacts related to visual change, including scenic vistas or other scenic resources. Impacts related to existing visual character were found to be less than significant, because the development of a school on the site would be consistent with the kinds of views typically seen in the area. Finally, impacts from light on existing sensitive land uses during operation were also found to be less than significant due to the limited nature of security lighting and the regulatory requirement to shield sources of light and glare. The proposed Project would involve development that is generally less-intensive with a school use for the site. Similarly, single-family residential uses would also be the typical residential neighborhood visual character which are common in the area. Finally, similar regulatory requirements to shield sources of light would apply to the proposed Project.

Therefore, the proposed project would not result in any changes to the previous MND associated with light/glare. Thus, impact conclusions related to aesthetics, light, and glare identified within the previous MND would remain adequate for the proposed project and no mitigation measures are required for the proposed Project.

Agricultural Resources

The previous MND discussed the potential impact of development of the TP Elementary School/Park on agricultural resources. The previous MND concluded that there would be no impact from the prior project on agricultural resources within the project site.

According to the California Department of Conservation (DOC) California Important Farmland Map, the project site is designated entirely as "Urban and Built-up Land," which is defined by the DOC as land that is "used for residential, industrial, commercial, construction, institutional, public administration, railroad and other transportation yards, cemeteries, airports, golf courses, sanitary

landfills, sewage treatment, water control structures, and other developed purposes.”¹ As such, the project site does not contain soils designated as Important Farmland (i.e., Prime Farmland, Unique Farmland or Farmland of Sitewide Importance). The site is not zoned for agricultural uses and is not under a Williamson Act contract. In addition, the project site is not used for agricultural or timber-harvest operations. Therefore, the proposed project would not result in any changes to the previous MND associated with agricultural resources.

Air Quality

As stated above, the proposed project would construct 79 single-family residential units on the Project site. The previous MND contemplated and evaluated a 613 student elementary school use on the subject site which is a more intensive use than the proposed project. The previous MND found that impacts to air quality would be less than significant. Therefore, the proposed project which includes residential units on land permitted to allow more intensive public institutional uses is within the scope of development contemplated and evaluated in the previous MND.

Implementation of the proposed project would contribute local emissions in the area during both construction and operations of the proposed project. In order to determine whether the project could create any new significant effects related to ozone and other criteria air pollutant emissions or support attainment goals for those pollutants that the area is designated nonattainment, the City relied on SMAQMD’s established recommended thresholds of significance, including mass emission thresholds for construction-related and operational ozone precursors, as the area is under nonattainment for ozone. The SMAQMD’s recommended thresholds of significance for the ozone precursors reactive organic gases (ROG) and nitrous oxides (NO_x), PM₁₀, and PM_{2.5}, which are expressed in pounds per day (lbs/day), are presented in Table 1.

Pollutant	Construction Thresholds	Operational Thresholds
NO _x	85	65
ROG	-	65
PM ₁₀ *	80	80
PM _{2.5} *	82	82
<p>* The thresholds of significance for PM₁₀ and PM_{2.5} presented above are only applicable if all feasible BACT/BMPs are applied. If all feasible BACT/BMPs are not applied, then the applicable threshold is zero. All feasible BACT/BMPs would be applied to the proposed project. <i>Source: Sacramento Metropolitan Air Quality Management District. SMAQMD Thresholds of Significance Table. April 2020.</i></p>		

Because construction equipment emits relatively low levels of ROG, and ROG emissions from other construction processes (e.g., asphalt paving, architectural coatings) are typically regulated by

¹ California Department of Conservation. *California Important Farmland Finder*. Available at: <https://maps.conservation.ca.gov/DLRP/CIFF/>. Accessed November 2022.

SMAQMD, SMAQMD has not adopted a construction emissions threshold for ROG. SMAQMD has, however, adopted a construction emissions threshold for NO_x, as shown in Table 1, above.

In order to determine whether the proposed project would result in any new criteria pollutant emissions impacts, the proposed project’s emissions have been estimated using the California Emissions Estimator Model (CalEEMod) version 2020.4.0 software – a statewide model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify air quality emissions, including greenhouse gas (GHG) emissions, from land use projects. The model applies inherent default values for various land uses, including trip generation rates based on the Institute of Transportation Engineers (ITE) Manual, vehicle mix, trip length, average speed, etc. However, where project-specific data is available, such data should be input into the model. Accordingly, the model was updated to reflect that all construction equipment would use Tier 3 engines, and that the proposed residences would not include any fireplaces. The results of the proposed project’s emissions estimates were compared to the thresholds of significance above in order to determine the associated level of impact. All CalEEMod modeling results are included as Appendix A to this Initial Study.

Construction Emissions

During construction of the proposed project, various types of equipment and vehicles would operate on the project site. Construction exhaust emissions would be generated from construction equipment, any earth-moving activities, construction workers’ commute, and material hauling for the entire construction period. These activities would involve the use of diesel- and gasoline-powered equipment that would generate emissions of criteria pollutants.

According to the CalEEMod results, the proposed project is estimated to result in maximum daily construction emissions as shown in Table 2. As shown in the table, the proposed project’s maximum unmitigated construction-related emissions would be below the applicable thresholds of significance. As noted previously, to apply the PM₁₀ and PM_{2.5} thresholds of significance, projects must implement all feasible SMAQMD BACTs and BMPs related to dust control. In the case of construction activities, projects are required to implement the SMAQMD’s identified Basic Construction Emissions Control Practices (BCECPs), which are considered by the SMAQMD to be the applicable construction BMPs. The control of fugitive dust during construction is required by SMAQMD Rule 403, and enforced by SMAQMD staff. Therefore, the non-zero thresholds of significance for PM are applicable.

Pollutant	Project Emissions (lbs/day)	SMAQMD Threshold of Significance (lbs/day)
NO _x	19.10	85
PM ₁₀	20.74	80
PM _{2.5}	11.09	82

Source: CalEEMod, November 2022 (see Appendix A).

In addition, all projects under the jurisdiction of SMAQMD are required to comply with all applicable SMAQMD rules and regulations (a complete list of current rules is available at www.airquality.org/rules). Rules and regulations related to construction include, but not limited to, Rule 201 (General Permit Requirements), Rule 402 (Nuisance), Rule 403 (Fugitive Dust), Rule 404 (Particulate Matter), Rule 414 (Water Heaters, Boilers and Process Heaters Rated Less Than 1,000,000 British Thermal Units per Hour), Rule 417 (Wood Burning Appliances), Rule 442 (Architectural Coatings), Rule 453 (Cutback and Emulsified Asphalt Paving Materials), Rule 460 (Adhesives and Sealants), Rule 902 (Asbestos) and CCR requirements related to the registration of portable equipment and anti-idling. Compliance with SMAQMD rules and regulations and BCECP would ensure that construction emissions are minimized to the extent practicable, and would reduce emissions below the level presented in Table 1. Therefore, impacts related to the proposed project's construction emissions of criteria pollutants would remain less than significant.

Operational Emissions

Operational air quality emissions were estimated using CalEEMod, and are presented in Table 3. As shown, the proposed project's maximum unmitigated operational emissions of criteria pollutants would be below the applicable thresholds of significance presented in Table 3. It should be noted that the project would not involve installation or operation of any pieces of equipment that would require implementation of SMAQMD's BACTs; therefore, the project would be subject to SMAQMD's mass emissions thresholds for PM₁₀ and PM_{2.5}. As a result, impacts related to operational emissions of criteria pollutants would also remain less than significant.

Pollutant	Project Emissions (lbs/day)	SMAQMD Threshold of Significance (lbs/day)
NO _x	2.76	65
ROG	5.90	65
PM ₁₀	4.17	80
PM _{2.5}	1.18	82

Source: CalEEMod, November 2022 (see Appendix A).

Thus, the proposed project would not result in new significant impacts or substantially more severe impacts related to air quality and no mitigation measures are required for the proposed Project.

Biological Resources

The proposed project would develop the formerly planned elementary school site for residential land uses consistent but significantly less impactful with respect to the type, general location, and intensity of land uses analyzed in the previous MND. Although the project would require an amendment to the City's general plan from Public/Quasi-Public to Suburban Neighborhood Medium, the proposed project would not result in increased lot coverage from what was contemplated in the previous MND.

The previous MND noted that the project site was within and subject to the requirements of the Natomas Basin Habitat Conservation Plan (NBHCP), but noted that there were no special status species identified on the site. The NBHCP also identified the site as containing low foraging habitat value. A qualified arborist evaluated the project site and vicinity. Furthermore, the previous MND indicated that fees for development of the site required under the NBHCP “were paid in 2003 (Schumacher) via a post-settlement agreement,” and the site is located in an area of permit area designated as Notice to Proceed.² The project site has been previously mass graded and is currently undeveloped, featuring ruderal vegetation that is routinely disked. No Private Protected Trees are located on the project site. Thus, the proposed project would not cause any new impacts, or previously identified impacts to become more severe than previously analyzed, related to biological resources. No mitigation measures would be required for the proposed project.

Cultural Resources/ Tribal Cultural Resources

No significant cultural resources, including prehistoric or historic archaeological resources, were identified in or adjacent to the project site. The proposed Project would involve development consistent with the type, general location, and intensity of land uses anticipated for the site. In addition, the proposed Project would involve ground disturbance substantially the same or less than as was considered in the previous MND. The associated potential of encountering previously unknown cultural resources during site development would not increase as a result of the proposed Project. Thus, impact conclusions related to cultural resources identified within the previous MND would remain adequate for the proposed project and no mitigation measures related to cultural resources would be required for the proposed project.

Assembly Bill (AB) 52, passed in 2014, requires environmental review documents to disclose and analyze potential significant impacts to tribal cultural resources including sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe. Lead agencies are also required to begin consultation with a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project if the tribe requests to the lead agency, in writing, to be informed by the lead agency of proposed projects in that geographic area and the tribe requests consultation, prior to determining whether a negative declaration, mitigated negative declaration, or environmental impact report is required for a project.

AB 52 applies to projects that have a Notice of Preparation (NOP), a notice of negative declaration filed, or mitigated negative declaration filed on or after July 1, 2015. The NOD for the TP Elementary School/Park MND was filed on January 18, 2008, prior to implementation of AB 52. Therefore, AB 52 is not applicable to the proposed project. In addition, no cultural resources associated with California Native American tribes were identified in the previous MND, and no comment letters were received from tribal representatives regarding the proposed Project or the TP Elementary School/Park MND. Furthermore, a search of the Sacred Lands File was requested from the NAHC, and a response was received on October 26, 2022 indicating that sacred sites have not been identified within the project vicinity.

² City of Sacramento. *North Natomas HCP Payment Status Quadrant Two*. February 2022.

Greenhouse Gas Emissions

GHG emissions were not directly addressed in the previous MND. However, potential impacts related to GHG emissions do not constitute “new information” as defined by CEQA, as GHG emissions were known as potential environmental issues before 1994. Since the time the TP Elementary School/Park MND was adopted, the City has taken numerous actions towards promoting sustainability within the City, including efforts aimed at reducing GHG emissions. On February 14, 2012, the City adopted the City of Sacramento Climate Action Plan (CAP), which identified how the City and the broader community could reduce Sacramento’s GHG emissions and included reduction targets, strategies, and specific actions.

The City has since adopted the 2035 General Plan Update. The update incorporated measures and actions from the CAP into Appendix B, General Plan CAP Policies and Programs, of the General Plan Update. Appendix B includes all City-Wide policies and programs that are supportive of reducing GHG emissions. The General Plan CAP Policies and Programs per the General Plan Update supersede the City’s CAP. Rather than compliance and consistency with the CAP, all proposed projects must now be compliant and consistent with the General Plan CAP Policies and Programs outlined in Appendix B of the General Plan Update. As such, the proposed project would be required to comply with the General Plan CAP Policies and Programs set forth in Appendix B of the General Plan Update.

In addition to the City’s General Plan CAP Policies and Programs outlined in Appendix B of the General Plan Update, a number of regulations have been enacted since the previous MND was adopted for the purpose of, or with an underlying goal for, reducing GHG emissions, such as the California Green Building Standards Code (CALGreen Code) and the California Building Energy Efficiency Standards Code. Such regulations have become increasingly stringent since the previous MND was certified. The proposed project would be required to comply with all current applicable regulations associated with GHG emissions, including the CALGreen Code and California Building Energy Efficiency Standards Code and the City’s Electrification Ordinance (Sacramento City Code §15.38.030(A)).

Energy

Impacts related to energy use were not directly addressed in the previous MND. However, potential impacts related to energy use do not constitute “new information” as defined by CEQA, as environmental impacts from energy use were known as potential environmental issues on air quality, water quality, and climate change since at least the 1990s. Furthermore, the proposed project would involve development that represents an overall reduction in the type and intensity of land uses analyzed in the previous MND for the site. A number of regulations have been enacted since the previous MND was adopted for the purpose of, or with an underlying goal for, reducing energy use and promoting energy efficiency, such as the California Green Building Standards Code (CALGreen Code) and the California Building Energy Efficiency Standards Code. Such regulations have become increasingly stringent since the previous MND was adopted. The proposed project would be required to comply with all current applicable regulations associated with energy efficiency, including the CALGreen Code and California Building Energy Efficiency Standards Code. Accordingly, the efficiency of energy use would be similar to or better than levels that would have

applied to the TP Elementary School/Park project, and no new or increased impacts related to energy use would result.

Geology and Soils

The proposed project would involve development consistent with the type, general location, and intensity of land uses anticipated for the site. The proposed project would not involve any land uses or operations that would cause an increase in risks related to (i) seismic activity, (ii) soil erosion, or (iii) unstable or expansive soils beyond what was analyzed in the previous MND. Accordingly, the amount of geology and soils-related impact potential would be similar to or less than levels identified within the previous MND, and no new or increased impacts related to geology and soils would result.

Hazards and Hazardous Materials

The proposed project would involve development significantly less impactful with respect to the type, general location, and intensity of land uses analyzed in the previous MND. The proposed project would not involve any land uses or operations that would involve an increase in the use, transport, or disposal of hazardous materials from what was analyzed in the previous MND. The TP Elementary School/Park project MND included a mitigation measure for a Preliminary Environmental Assessment (PEA) and no further action letter from California Department of Toxic Substance Control (DTSC), which is a requirement of the Department of Education site approval process for school facilities. As the current project is for single family residential uses the PEA is not a requirement and the mitigation measure is not applicable. The proposed project would not result in new significant impacts or substantially more severe impacts related to hazards and hazardous materials and no mitigation measures would be required for the proposed project.

Hydrology and Water Quality

The proposed project would involve development consistent with the type, general location, and intensity of land uses anticipated for the site. The proposed project would not involve any land uses or operations that would cause an increase in runoff levels beyond what was analyzed in the previous MND. Accordingly, the amount of stormwater runoff potential would be similar to or less than levels identified within the previous MND, and no new or increased impacts related to hydrology and water quality would result.

Land Use and Planning

The proposed project would involve development significantly less impactful with respect to the type, general location, and intensity of land uses analyzed in the previous MND. The proposed project would not involve any land uses or operations that would cause an increase in land use and planning impacts beyond what was analyzed in the previous MND. The site is surrounded by residential uses and a neighborhood park. Daytime noise and vehicle trips from 79 single-family residential units will be less than the operation of a 613-student elementary school. Accordingly, no new or increased impacts related to land use and planning would result.

Mineral Resources

The proposed project would involve development consistent with the type, general location, and intensity of land uses anticipated for the site in the previous MND. The proposed project would not involve any land uses or operations that would cause an increase in impacts to mineral resources beyond what was analyzed in the previous MND. Accordingly, the amount of mineral resources impacts would be the same as identified within the previous MND, and no new or increased impacts related to mineral resources would result.

Noise

The proposed project would involve single-family residential development significantly less impactful with respect to the type, general location, and intensity of land uses analyzed in the previous MND. Residential noise sources include mechanical equipment (HVAC) and off-site traffic, in addition to short-term construction noise. The residential uses included in the proposed project would not involve any operations that would cause a significant increase in noise levels from what was analyzed in the previous MND, which recognized potential effects from playground noise and traffic associated with a 613-student elementary school. The proposed project would not result in new significant impacts or substantially more severe impacts related to noise and no mitigation measures are required for the proposed project.

Population and Housing

The original TP Elementary School/Park MND analyzed the development of a 613-student elementary school on the project site located within North Natomas. The proposed project would instead develop a 79 dwelling single-family residential project. This would be an increase in the total number of dwelling units contemplated for the site in the previous MND. Using a person's per household rate of 2.7 presented in the City of Sacramento 2013-2021 Housing Element, the proposed project could generate a maximum of 214 new residents. Population growth itself does not constitute an environmental impact; rather, increased demands on the physical environment resulting from increases in population are considered environmental impacts. For example, increased demands on City services could require system upgrades, the construction of which could have environmental impacts. Physical environmental effects associated with development of the proposed project are evaluated throughout this Addendum. Thus, the increase in the number of residents would not result in any additional, new, or more severe impacts than what was identified in the previous MND, because (i) although the proposed project would result in population growth, such growth could be accommodated by existing public services and infrastructure and would not result in significant adverse environmental effects, and (ii) it would not displace any existing housing or prevent other housing from being constructed.

Public Services and Utilities (School, Water, and Solid Waste)

The previous MND found impacts to public services and utilities to be less than significant. The proposed project would include 79 single-family units within North Natomas. The development of the proposed project is consistent with the zoning and land use designation and would not result in any greater demand for public services and utilities than a 613-student elementary school. Pursuant to SB 50, the development would be required to pay applicable school fees, which are deemed full

and complete mitigation for impacts on schools. The proposed project's impacts related to police, fire, schools, water supply, and solid waste generation and disposal services would not increase in a significant manner as a result of the proposed project. The proposed project would not result in new significant impacts.

Recreation

The previous MND found impacts to recreation to be less than significant for the TP Elementary School/Park project. The previous project proposed construction of a neighborhood park, as well as the construction of a 613-student elementary school, but only the park was constructed. The proposed project would involve adding new users of park facilities, but unlike the elementary school, the residential project would pay into the Park Development Impact Fee program, ensuring the project would not cause or accelerate substantial physical deterioration of existing area parks or recreational facilities, or create a need for construction or expansion of recreational facilities. Accordingly, the impacts on recreation would be similar to or less than levels identified within the previous MND, and no new or increased impacts related to recreation would result.

Traffic

While the TP Elementary School/Park MND analyzed traffic-related impacts using a Level-of-Service (LOS) analysis, the CEQA Guidelines were more recently updated to require a vehicle miles travelled (VMT) analysis. The City notes that new legal enactments such as the adoption of regulations or guidelines do not constitute new information if the information about the underlying issue was known (or should have been known) at the time the original environmental document was certified. (*Concerned Dublin Citizens v City of Dublin* (2013) 214 Cal.App.4th 1301, 1320; *Fort Mojave Indian Tribe v Department of Health Servs.* (1995) 38 Cal.App.4th 1574, 1605.). The potential effects on transportation from VMT have been known since at least the 1990s.

Here, the proposed project would represent an overall reduction in daily vehicle trips. Trip generation rates published by the Institute of Transportation Engineers, 11th Edition (ITE Trip Manual), identify an average daily trip generation rate for a typical urban/suburban elementary school for 613 students is 2.27 trips per student.³ As confirmed by facilities planning staff for a local school district, full operations for an elementary school site of this size would typically require 41 full-time equivalent (FTE) employees.⁴ The ITE Trip Manual identifies an average daily trip generation rate of 22.5 per FTE employee.⁵ As noted in Table 5.15-1, this calculates to 1,392 trips related to the students and 923 related to school employees, for a total of 2,314 daily trips.

³ ITE Trip Generation Manual, 11th Ed., Elementary School - Students

⁴ Email from Jen Mellor, Director of Facilities & Strategic Planning for Natomas USD on January 26, 2023.

⁵ ITE Trip Generation Manual, 11th Ed., Elementary School - Employees

Table 5.15-1

Average Daily Trips - Elementary School			
Type of Use	# of Trip Generators	# of Trips per unit	Total Trips
Students	613	2.27	1,392
Employees (FTE)	41	22.5	923
Total			2,314

Average Daily Trips - Project (Residential Subdivision)			
Type of Use	# of DUs	# of Trips per DU	Total Trips
Residential (DU)	79	9.43	745

This process was similarly applied to the proposed Project. The ITE Trip Manual identifies an average daily trip generation rate of 9.43 per dwelling unit (DU)⁶, for a total of 745 daily trips. This represents a nearly seventy percent (70%) reduction in daily trip generation for the Project.

Accordingly, trip generation for the proposed project would be substantially reduced than levels that would have applied to the TP Elementary School/Park project, and no new or increased impacts related to transportation would result.

The TP Elementary School/Park project MND included a mitigation measure for the school district to provide adequate onsite parking, loading and unloading zones and an onsite drop-off/pick-up area to avoid queuing on neighborhood streets for school operations. As the current project is for single family residential uses and the school operation will no longer result from development of the proposed project, this mitigation is no longer applicable.

Wildfire

The TP Elementary School/Park MND does not identify any significant impacts related to wildfire risk. According to the California Department of Forestry and Fire Protection (CAL FIRE) Fire and Resources Assessment Program (FRAP), the City of Sacramento is located within a Local Responsibility Area (LRA). The City is not located within or adjacent to a State Responsibility Area (SRA) or a designated Very High Fire Hazard Severity Zone (FHSZ). Furthermore, the project site is not located within an area where a substantial wildland-urban interface (WUI) exists. Thus, the risk of wildfire at the project site is minimal. Based on the above, the proposed project would not create a substantial fire risk for existing development in the project vicinity.

Environmental Findings

Based on the above discussions, the proposed project would not cause any new impacts, or previously identified impacts to become more severe than previously analyzed. The feasibility of mitigation measures or alternatives previously identified would not be modified with

⁶ ITE Trip Generation Manual, 11th Ed., Single-Family Detached Housing – Dwelling Unit

implementation of the proposed project, and different mitigation measures or alternatives from those previously identified are not proposed or necessary as a result of the proposed project. As a result, new information of substantial importance, which was not known and could not have been known at the time the previous CEQA documents were prepared, has not come to light from what has been previously analyzed.

Conclusion

As established in the discussions above regarding the potential effects of the proposed project, substantial changes are not proposed to the project nor have any substantial changes occurred that would require major revisions to previous MND. Impacts beyond those identified and analyzed in the previous MND would not be expected to occur as a result of the proposed project. Overall, the proposed modifications to the project would not result in any new information of substantial importance that would have new, more severe impacts, new mitigation measures, or new or revised alternatives from what was identified for the original project in the MND. Therefore, the Community Development Department concludes that the analyses conducted, and the conclusions reached in the MND adopted on January 14, 2008, remain valid. As such, the proposed project would not result in any conditions identified in CEQA Guidelines Section 15162, and supplemental environmental review or a subsequent MND or EIR is not required for the proposed project modifications.

Based on the above analysis, this Addendum to the previously adopted MND for the project has been prepared.

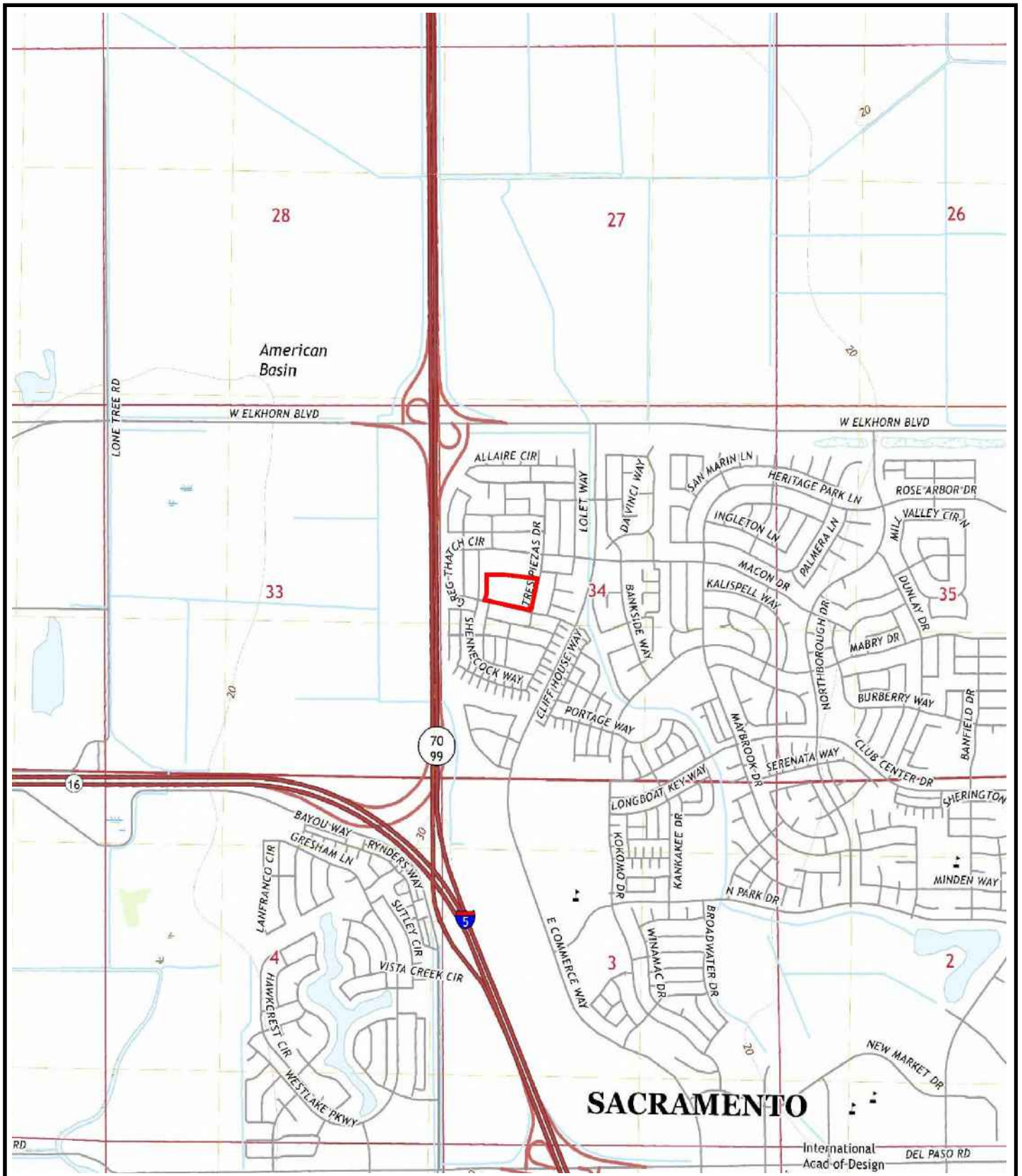
Attachments:

- A) Location – Land Use Map
- B) Terrace Park Subdivision Site Plan
- C) CalEEMod Runs
- D) Phase 1 Environmental Site Assessment (separate cover)
- E) TP Elementary School/Park MND (separate cover)

Terrace Park Residential Project (P22-045)

Addendum

Appendix A



SACRAMENTO

International Acad of-Design DEL PASO RD



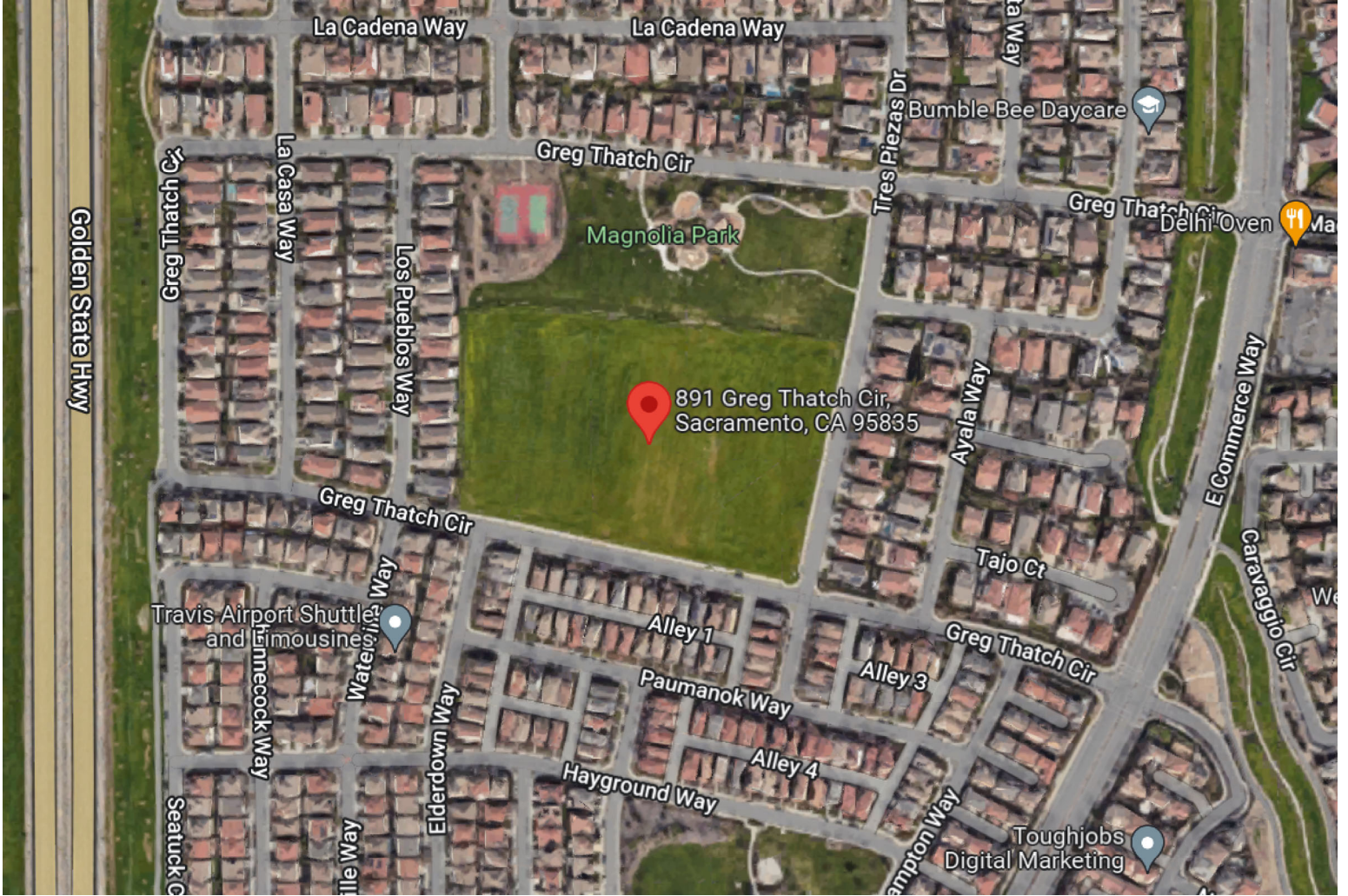
USGS 2018

North

**SITE LOCATION MAP
TERRACE PARK-891 GREG THATCH CIRCLE PROPERTY
891 GREG THATCH CIRCLE
SACRAMENTO, CA**

LUSH GEOSCIENCES, INC.

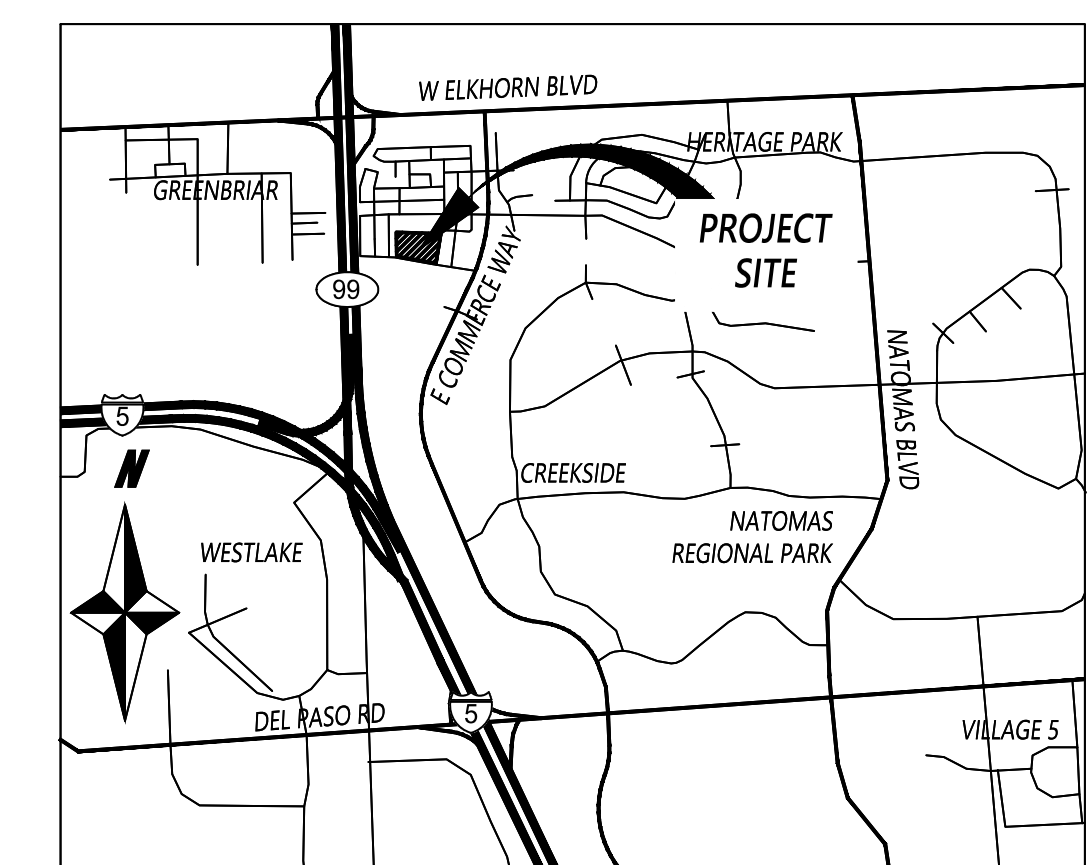
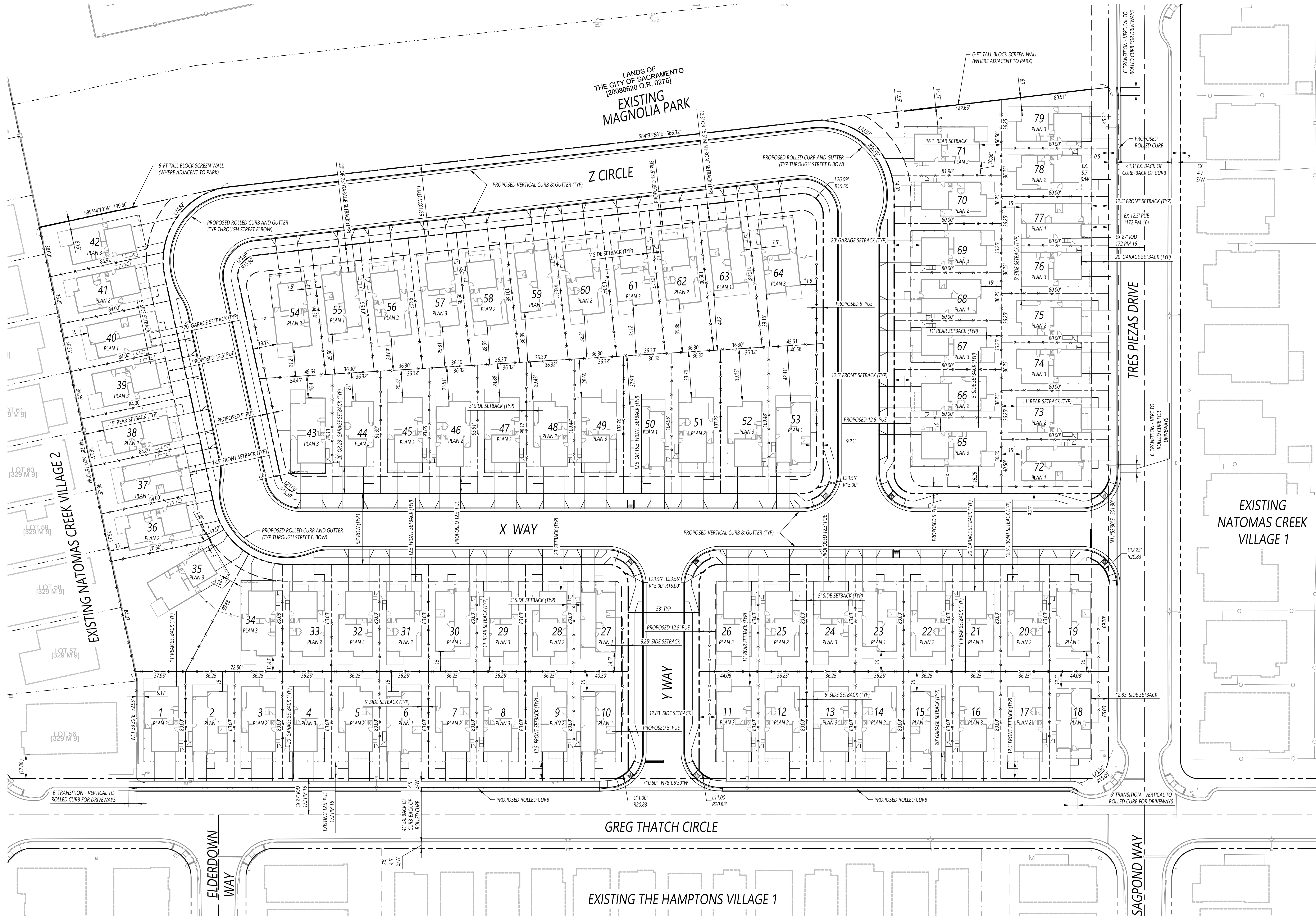
FIGURE 1



Terrace Park Residential Project (P22-045)

Addendum

Appendix B



VICINITY MAP
NOT TO SCALE

LEGEND

- EXISTING PROPERTY LINE
- EXISTING PARCEL LINE
- ADJACENT PROPERTY LINE
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- EXISTING CENTER LINE
- PROPOSED LOT LINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- PROPOSED FENCE (SEE LANDSCAPE ARCHITECT PLANS FOR DETAILS)
- MASONRY SCREEN WALL

PROJECT SUMMARY:
 SUBDIVISION NAME: TERRACE PARK
 ASSESSOR'S PARCEL NUMBER (APN): 201-1070-076
 EXISTING/PROPOSED ZONING: R-1A-PUD SINGLE FAMILY ALTERNATIVE RESIDENTIAL
 BUILDING SQUARE FOOTAGE:
 PLAN 1 - 1,751 SF, 19 LOTS
 PLAN 2 - 1,923 SF, 29 LOTS
 PLAN 3 - 2,070 SF, 31 LOTS

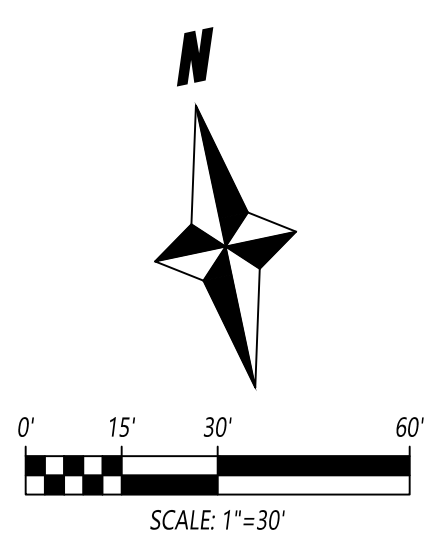
PARKING NOTE:
 ON-STREET PARKING IS PROPOSED ALONG X WAY, Y WAY, AND Z CIRCLE.

LOT SUMMARY:
 EXISTING USE: VACANT
 PROPOSED USE: SINGLE-UNIT DWELLING, RESIDENTIAL - 79 LOTS
 EXISTING PLAN DESIGNATION: PUBLIC QUASI (PUB)
 PROPOSED GENERAL PLAN DESIGNATION: SUBURBAN NEIGHBORHOOD MEDIUM DENSITY (SNMD)

EXISTING PARCEL AREAS:
 (APN): 201-1070-76 = 357,530 S.F. / 8.21 AC
PROPOSED PARCEL AREAS:
 PROPOSED PARCEL AREA:
 LOTS 1-79 = 264,500 S.F. / 6.07 AC
 PROPOSED ROW DEDICATIONS = 92,988 S.F. / 2.14 AC
 TOTAL PROPOSED NET AREA = 264,500 S.F. / 6.07 AC
 TOTAL PROPOSED GROSS AREA = 357,530 S.F. / 8.21 AC
PROPOSED DENSITY:
 130 DU/ACRE (NET)

ZONING/PUD DEVIATIONS

	DEVIATION	TOTAL
REAR SETBACK LESS THAN 12.5'	11' MIN.	36 LOTS
SIDE YARD (ADJACENT TO LOCAL STREET) SETBACK LESS THAN 12.5'	7'-8" - 9'-3"	5 LOTS
40% MAX. LOT COVERAGE (2-STORY HOMES)	VARIES 41% - 49%	50 LOTS



**PRELIMINARY SITE PLAN
TERRACE PARK**

NE CORNER OF GREG THATCH CIRCLE AND TRES PIEZAS DR
SACRAMENTO, CA

Terrace Park Residential Project (P22-045)

Addendum

Appendix C

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Terrace Park Project

Sacramento Metropolitan AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	79.00	Dwelling Unit	8.20	142,200.00	211

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent actual acreage of project site.

Construction Phase - Phase timing adjusted based on applicant provided AQ Questionnaire. Architectural Coating phase assumed to begin two weeks after the initiation of the Building Construction phase, and last for the same duration.

Grading -

Construction Off-road Equipment Mitigation - Based on applicant provided AQ Questionnaire.

Area Mitigation - Based on applicant provided AQ Questionnaire.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
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tblConstructionPhase	NumDays	20.00	820.00
tblConstructionPhase	NumDays	230.00	820.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	4/24/2025	8/26/2027
tblConstructionPhase	PhaseEndDate	2/27/2025	8/12/2027
tblConstructionPhase	PhaseEndDate	4/11/2024	4/25/2024
tblConstructionPhase	PhaseEndDate	3/27/2025	6/20/2024

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseEndDate	3/14/2024	3/28/2024
tblConstructionPhase	PhaseStartDate	3/28/2025	7/5/2024
tblConstructionPhase	PhaseStartDate	4/12/2024	6/21/2024
tblConstructionPhase	PhaseStartDate	3/15/2024	3/29/2024
tblConstructionPhase	PhaseStartDate	2/28/2025	4/26/2024
tblLandUse	LotAcreage	25.65	8.20

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					
2024	0.3236	1.6692	1.9266	3.4700e-003	0.2923	0.0754	0.3676	0.1420	0.0705	0.2125	0.0000	302.8582	302.8582	0.0717	1.9400e-003	305.2282
2025	0.4964	1.8319	2.4397	4.3600e-003	0.0387	0.0760	0.1147	0.0104	0.0719	0.0823	0.0000	379.4588	379.4588	0.0741	3.3900e-003	382.3218
2026	0.4957	1.8304	2.4342	4.3500e-003	0.0387	0.0760	0.1147	0.0104	0.0719	0.0823	0.0000	378.4937	378.4937	0.0740	3.3000e-003	381.3289
2027	0.3153	1.1270	1.4989	2.6700e-003	0.0239	0.0468	0.0708	6.4500e-003	0.0443	0.0508	0.0000	232.8902	232.8902	0.0454	1.9800e-003	234.6149
Maximum	0.4964	1.8319	2.4397	4.3600e-003	0.2923	0.0760	0.3676	0.1420	0.0719	0.2125	0.0000	379.4588	379.4588	0.0741	3.3900e-003	382.3218

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
2024	0.2256	1.6644	2.1878	3.4700e-003	0.2923	0.0979	0.3902	0.1420	0.0979	0.2398	0.0000	302.8579	302.8579	0.0717	1.9400e-003	305.2279
2025	0.3913	2.0887	2.6762	4.3600e-003	0.0387	0.1307	0.1694	0.0104	0.1307	0.1412	0.0000	379.4584	379.4584	0.0741	3.3900e-003	382.3214
2026	0.3907	2.0872	2.6707	4.3500e-003	0.0387	0.1307	0.1694	0.0104	0.1307	0.1411	0.0000	378.4933	378.4933	0.0740	3.3000e-003	381.3285
2027	0.2503	1.2854	1.6440	2.6700e-003	0.0239	0.0806	0.1046	6.4500e-003	0.0806	0.0871	0.0000	232.8900	232.8900	0.0454	1.9800e-003	234.6147
Maximum	0.3913	2.0887	2.6762	4.3600e-003	0.2923	0.1307	0.3902	0.1420	0.1307	0.2398	0.0000	379.4584	379.4584	0.0741	3.3900e-003	382.3214

	ROG	NOx	CO	SO2	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	22.87	-10.33	-10.59	0.00	0.00	-60.48	-24.83	0.00	-70.10	-42.37	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	3-1-2024	5-31-2024	0.6229	0.5105
2	6-1-2024	8-31-2024	0.5465	0.5561
3	9-1-2024	11-30-2024	0.6185	0.6186
4	12-1-2024	2-28-2025	0.5871	0.6116
5	3-1-2025	5-31-2025	0.5862	0.6245
6	6-1-2025	8-31-2025	0.5860	0.6242
7	9-1-2025	11-30-2025	0.5801	0.6179
8	12-1-2025	2-28-2026	0.5737	0.6110

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

9	3-1-2026	5-31-2026	0.5857	0.6239
10	6-1-2026	8-31-2026	0.5854	0.6236
11	9-1-2026	11-30-2026	0.5796	0.6174
12	12-1-2026	2-28-2027	0.5731	0.6105
13	3-1-2027	5-31-2027	0.5851	0.6234
14	6-1-2027	8-31-2027	0.4816	0.5124
		Highest	0.6229	0.6245

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	0.6688	9.3800e-003	0.8139	4.0000e-005		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	1.3308	1.3308	1.2700e-003	0.0000	1.3627
Energy	0.0101	0.0861	0.0367	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	201.1737	201.1737	0.0113	2.9600e-003	202.3379
Mobile	0.3037	0.3709	2.8048	5.9800e-003	0.7004	4.4600e-003	0.7048	0.1872	4.1700e-003	0.1913	0.0000	578.4800	578.4800	0.0379	0.0275	587.6095
Waste						0.0000	0.0000		0.0000	0.0000	15.4192	0.0000	15.4192	0.9113	0.0000	38.2004
Water						0.0000	0.0000		0.0000	0.0000	1.8211	6.0085	7.8296	6.8200e-003	4.0300e-003	9.2003
Total	0.9826	0.4664	3.6553	6.5700e-003	0.7004	0.0159	0.7163	0.1872	0.0157	0.2028	17.2403	786.9930	804.2333	0.9685	0.0345	838.7108

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.6688	9.3800e-003	0.8139	4.0000e-005		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	1.3308	1.3308	1.2700e-003	0.0000	1.3627
Energy	0.0101	0.0861	0.0367	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	201.1737	201.1737	0.0113	2.9600e-003	202.3379
Mobile	0.3037	0.3709	2.8048	5.9800e-003	0.7004	4.4600e-003	0.7048	0.1872	4.1700e-003	0.1913	0.0000	578.4800	578.4800	0.0379	0.0275	587.6095
Waste						0.0000	0.0000		0.0000	0.0000	15.4192	0.0000	15.4192	0.9113	0.0000	38.2004
Water						0.0000	0.0000		0.0000	0.0000	1.8211	5.6397	7.4608	6.7900e-003	4.0200e-003	8.8294
Total	0.9826	0.4664	3.6553	6.5700e-003	0.7004	0.0159	0.7163	0.1872	0.0157	0.2028	17.2403	786.6242	803.8645	0.9684	0.0344	838.3399

	ROG	NOx	CO	SO2	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	0.05	0.05	0.00	0.03	0.04

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2024	3/28/2024	5	20	
2	Grading	Grading	3/29/2024	4/25/2024	5	20	
3	Paving	Paving	4/26/2024	6/20/2024	5	40	

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	6/21/2024	8/12/2027	5	820
5	Architectural Coating	Architectural Coating	7/5/2024	8/26/2027	5	820

Acres of Grading (Site Preparation Phase): 30

Acres of Grading (Grading Phase): 20

Acres of Paving: 0

Residential Indoor: 287,955; Residential Outdoor: 95,985; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	7.00	231	0.29
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	28.00	8.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1966	0.0000	0.1966	0.1010	0.0000	0.1010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2718	0.1834	3.8000e-004		0.0123	0.0123		0.0113	0.0113	0.0000	33.4571	33.4571	0.0108	0.0000	33.7276
Total	0.0266	0.2718	0.1834	3.8000e-004	0.1966	0.0123	0.2089	0.1010	0.0113	0.1123	0.0000	33.4571	33.4571	0.0108	0.0000	33.7276

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.8000e-004	2.8000e-004	3.9100e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.0341	1.0341	3.0000e-005	3.0000e-005	1.0432
Total	4.8000e-004	2.8000e-004	3.9100e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.0341	1.0341	3.0000e-005	3.0000e-005	1.0432

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1966	0.0000	0.1966	0.1010	0.0000	0.1010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.3100e-003	0.1907	0.2296	3.8000e-004		9.4600e-003	9.4600e-003		9.4600e-003	9.4600e-003	0.0000	33.4570	33.4570	0.0108	0.0000	33.7275
Total	9.3100e-003	0.1907	0.2296	3.8000e-004	0.1966	9.4600e-003	0.2060	0.1010	9.4600e-003	0.1105	0.0000	33.4570	33.4570	0.0108	0.0000	33.7275

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.8000e-004	2.8000e-004	3.9100e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.0341	1.0341	3.0000e-005	3.0000e-005	1.0432
Total	4.8000e-004	2.8000e-004	3.9100e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.0341	1.0341	3.0000e-005	3.0000e-005	1.0432

3.3 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0166	0.1703	0.1476	3.0000e-004		7.2400e-003	7.2400e-003		6.6600e-003	6.6600e-003	0.0000	26.0639	26.0639	8.4300e-003	0.0000	26.2747
Total	0.0166	0.1703	0.1476	3.0000e-004	0.0708	7.2400e-003	0.0781	0.0343	6.6600e-003	0.0409	0.0000	26.0639	26.0639	8.4300e-003	0.0000	26.2747

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.0000e-004	2.4000e-004	3.2500e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8617	0.8617	3.0000e-005	2.0000e-005	0.8693
Total	4.0000e-004	2.4000e-004	3.2500e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8617	0.8617	3.0000e-005	2.0000e-005	0.8693

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2600e-003	0.1484	0.1899	3.0000e-004		7.5600e-003	7.5600e-003		7.5600e-003	7.5600e-003	0.0000	26.0639	26.0639	8.4300e-003	0.0000	26.2746
Total	7.2600e-003	0.1484	0.1899	3.0000e-004	0.0708	7.5600e-003	0.0784	0.0343	7.5600e-003	0.0418	0.0000	26.0639	26.0639	8.4300e-003	0.0000	26.2746

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.0000e-004	2.4000e-004	3.2500e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8617	0.8617	3.0000e-005	2.0000e-005	0.8693
Total	4.0000e-004	2.4000e-004	3.2500e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8617	0.8617	3.0000e-005	2.0000e-005	0.8693

3.4 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0198	0.1905	0.2925	4.6000e-004		9.3700e-003	9.3700e-003		8.6200e-003	8.6200e-003	0.0000	40.0531	40.0531	0.0130	0.0000	40.3769
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0198	0.1905	0.2925	4.6000e-004		9.3700e-003	9.3700e-003		8.6200e-003	8.6200e-003	0.0000	40.0531	40.0531	0.0130	0.0000	40.3769

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.0000e-004	4.7000e-004	6.5100e-003	2.0000e-005	2.2000e-003	1.0000e-005	2.2100e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.7234	1.7234	5.0000e-005	5.0000e-005	1.7387
Total	8.0000e-004	4.7000e-004	6.5100e-003	2.0000e-005	2.2000e-003	1.0000e-005	2.2100e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.7234	1.7234	5.0000e-005	5.0000e-005	1.7387

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0112	0.2259	0.3459	4.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	40.0530	40.0530	0.0130	0.0000	40.3769
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0112	0.2259	0.3459	4.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	40.0530	40.0530	0.0130	0.0000	40.3769

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.0000e-004	4.7000e-004	6.5100e-003	2.0000e-005	2.2000e-003	1.0000e-005	2.2100e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.7234	1.7234	5.0000e-005	5.0000e-005	1.7387
Total	8.0000e-004	4.7000e-004	6.5100e-003	2.0000e-005	2.2000e-003	1.0000e-005	2.2100e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.7234	1.7234	5.0000e-005	5.0000e-005	1.7387

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9276	1.1155	1.8600e-003		0.0423	0.0423		0.0398	0.0398	0.0000	159.9759	159.9759	0.0378	0.0000	160.9216
Total	0.1015	0.9276	1.1155	1.8600e-003		0.0423	0.0423		0.0398	0.0398	0.0000	159.9759	159.9759	0.0378	0.0000	160.9216

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.9000e-004	0.0264	7.8600e-003	1.0000e-004	3.2300e-003	1.4000e-004	3.3700e-003	9.3000e-004	1.4000e-004	1.0700e-003	0.0000	10.0435	10.0435	2.5000e-004	1.4800e-003	10.4897
Worker	5.1800e-003	3.0500e-003	0.0419	1.2000e-004	0.0142	7.0000e-005	0.0143	3.7700e-003	7.0000e-005	3.8400e-003	0.0000	11.0988	11.0988	3.3000e-004	3.0000e-004	11.1972
Total	5.8700e-003	0.0294	0.0498	2.2000e-004	0.0174	2.1000e-004	0.0176	4.7000e-003	2.1000e-004	4.9100e-003	0.0000	21.1423	21.1423	5.8000e-004	1.7800e-003	21.6869

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0465	0.9816	1.2333	1.8600e-003		0.0623	0.0623		0.0623	0.0623	0.0000	159.9757	159.9757	0.0378	0.0000	160.9214
Total	0.0465	0.9816	1.2333	1.8600e-003		0.0623	0.0623		0.0623	0.0623	0.0000	159.9757	159.9757	0.0378	0.0000	160.9214

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.9000e-004	0.0264	7.8600e-003	1.0000e-004	3.2300e-003	1.4000e-004	3.3700e-003	9.3000e-004	1.4000e-004	1.0700e-003	0.0000	10.0435	10.0435	2.5000e-004	1.4800e-003	10.4897
Worker	5.1800e-003	3.0500e-003	0.0419	1.2000e-004	0.0142	7.0000e-005	0.0143	3.7700e-003	7.0000e-005	3.8400e-003	0.0000	11.0988	11.0988	3.3000e-004	3.0000e-004	11.1972
Total	5.8700e-003	0.0294	0.0498	2.2000e-004	0.0174	2.1000e-004	0.0176	4.7000e-003	2.1000e-004	4.9100e-003	0.0000	21.1423	21.1423	5.8000e-004	1.7800e-003	21.6869

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2500e-003	0.0489	0.0145	1.9000e-004	6.1100e-003	2.6000e-004	6.3700e-003	1.7700e-003	2.5000e-004	2.0200e-003	0.0000	18.6110	18.6110	4.5000e-004	2.7400e-003	19.4394
Worker	9.2000e-003	5.1800e-003	0.0742	2.2000e-004	0.0268	1.3000e-004	0.0270	7.1400e-003	1.2000e-004	7.2600e-003	0.0000	20.4836	20.4836	5.6000e-004	5.3000e-004	20.6570
Total	0.0105	0.0541	0.0887	4.1000e-004	0.0330	3.9000e-004	0.0333	8.9100e-003	3.7000e-004	9.2800e-003	0.0000	39.0946	39.0946	1.0100e-003	3.2700e-003	40.0964

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2500e-003	0.0489	0.0145	1.9000e-004	6.1100e-003	2.6000e-004	6.3700e-003	1.7700e-003	2.5000e-004	2.0200e-003	0.0000	18.6110	18.6110	4.5000e-004	2.7400e-003	19.4394
Worker	9.2000e-003	5.1800e-003	0.0742	2.2000e-004	0.0268	1.3000e-004	0.0270	7.1400e-003	1.2000e-004	7.2600e-003	0.0000	20.4836	20.4836	5.6000e-004	5.3000e-004	20.6570
Total	0.0105	0.0541	0.0887	4.1000e-004	0.0330	3.9000e-004	0.0333	8.9100e-003	3.7000e-004	9.2800e-003	0.0000	39.0946	39.0946	1.0100e-003	3.2700e-003	40.0964

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2100e-003	0.0479	0.0142	1.9000e-004	6.1100e-003	2.6000e-004	6.3600e-003	1.7700e-003	2.4000e-004	2.0100e-003	0.0000	18.2365	18.2365	4.4000e-004	2.6900e-003	19.0498
Worker	8.6800e-003	4.6900e-003	0.0698	2.1000e-004	0.0268	1.2000e-004	0.0270	7.1400e-003	1.1000e-004	7.2500e-003	0.0000	19.9972	19.9972	5.1000e-004	5.0000e-004	20.1602
Total	9.8900e-003	0.0526	0.0841	4.0000e-004	0.0330	3.8000e-004	0.0333	8.9100e-003	3.5000e-004	9.2600e-003	0.0000	38.2337	38.2337	9.5000e-004	3.1900e-003	39.2100

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.2100e-003	0.0479	0.0142	1.9000e-004	6.1100e-003	2.6000e-004	6.3600e-003	1.7700e-003	2.4000e-004	2.0100e-003	0.0000	18.2365	18.2365	4.4000e-004	2.6900e-003	19.0498
Worker	8.6800e-003	4.6900e-003	0.0698	2.1000e-004	0.0268	1.2000e-004	0.0270	7.1400e-003	1.1000e-004	7.2500e-003	0.0000	19.9972	19.9972	5.1000e-004	5.0000e-004	20.1602
Total	9.8900e-003	0.0526	0.0841	4.0000e-004	0.0330	3.8000e-004	0.0333	8.9100e-003	3.5000e-004	9.2600e-003	0.0000	38.2337	38.2337	9.5000e-004	3.1900e-003	39.2100

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1094	0.9976	1.2868	2.1600e-003		0.0422	0.0422		0.0397	0.0397	0.0000	185.5356	185.5356	0.0436	0.0000	186.6259
Total	0.1094	0.9976	1.2868	2.1600e-003		0.0422	0.0422		0.0397	0.0397	0.0000	185.5356	185.5356	0.0436	0.0000	186.6259

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.2000e-004	0.0288	8.5700e-003	1.1000e-004	3.7400e-003	1.5000e-004	3.9000e-003	1.0800e-003	1.5000e-004	1.2300e-003	0.0000	10.9398	10.9398	2.7000e-004	1.6200e-003	11.4285
Worker	5.0300e-003	2.6300e-003	0.0406	1.2000e-004	0.0165	7.0000e-005	0.0165	4.3800e-003	7.0000e-005	4.4400e-003	0.0000	11.9838	11.9838	2.9000e-004	2.9000e-004	12.0783
Total	5.7500e-003	0.0314	0.0491	2.3000e-004	0.0202	2.2000e-004	0.0204	5.4600e-003	2.2000e-004	5.6700e-003	0.0000	22.9235	22.9235	5.6000e-004	1.9100e-003	23.5068

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0539	1.1381	1.4299	2.1600e-003		0.0723	0.0723		0.0723	0.0723	0.0000	185.5353	185.5353	0.0436	0.0000	186.6257
Total	0.0539	1.1381	1.4299	2.1600e-003		0.0723	0.0723		0.0723	0.0723	0.0000	185.5353	185.5353	0.0436	0.0000	186.6257

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.2000e-004	0.0288	8.5700e-003	1.1000e-004	3.7400e-003	1.5000e-004	3.9000e-003	1.0800e-003	1.5000e-004	1.2300e-003	0.0000	10.9398	10.9398	2.7000e-004	1.6200e-003	11.4285
Worker	5.0300e-003	2.6300e-003	0.0406	1.2000e-004	0.0165	7.0000e-005	0.0165	4.3800e-003	7.0000e-005	4.4400e-003	0.0000	11.9838	11.9838	2.9000e-004	2.9000e-004	12.0783
Total	5.7500e-003	0.0314	0.0491	2.3000e-004	0.0202	2.2000e-004	0.0204	5.4600e-003	2.2000e-004	5.6700e-003	0.0000	22.9235	22.9235	5.6000e-004	1.9100e-003	23.5068

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1389					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.0780	0.1159	1.9000e-004		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	16.3408	16.3408	9.2000e-004	0.0000	16.3638
Total	0.1505	0.0780	0.1159	1.9000e-004		3.9000e-003	3.9000e-003		3.9000e-003	3.9000e-003	0.0000	16.3408	16.3408	9.2000e-004	0.0000	16.3638

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0300e-003	6.1000e-004	8.3300e-003	2.0000e-005	2.8200e-003	1.0000e-005	2.8300e-003	7.5000e-004	1.0000e-005	7.6000e-004	0.0000	2.2060	2.2060	6.0000e-005	6.0000e-005	2.2255
Total	1.0300e-003	6.1000e-004	8.3300e-003	2.0000e-005	2.8200e-003	1.0000e-005	2.8300e-003	7.5000e-004	1.0000e-005	7.6000e-004	0.0000	2.2060	2.2060	6.0000e-005	6.0000e-005	2.2255

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1389					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8000e-003	0.0869	0.1173	1.9000e-004		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	16.3408	16.3408	9.2000e-004	0.0000	16.3638
Total	0.1427	0.0869	0.1173	1.9000e-004		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	16.3408	16.3408	9.2000e-004	0.0000	16.3638

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0300e-003	6.1000e-004	8.3300e-003	2.0000e-005	2.8200e-003	1.0000e-005	2.8300e-003	7.5000e-004	1.0000e-005	7.6000e-004	0.0000	2.2060	2.2060	6.0000e-005	6.0000e-005	2.2255
Total	1.0300e-003	6.1000e-004	8.3300e-003	2.0000e-005	2.8200e-003	1.0000e-005	2.8300e-003	7.5000e-004	1.0000e-005	7.6000e-004	0.0000	2.2060	2.2060	6.0000e-005	6.0000e-005	2.2255

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2832					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	0.3055	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

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3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9700e-003	1.1100e-003	0.0159	5.0000e-005	5.7500e-003	3.0000e-005	5.7800e-003	1.5300e-003	3.0000e-005	1.5600e-003	0.0000	4.3894	4.3894	1.2000e-004	1.1000e-004	4.4265
Total	1.9700e-003	1.1100e-003	0.0159	5.0000e-005	5.7500e-003	3.0000e-005	5.7800e-003	1.5300e-003	3.0000e-005	1.5600e-003	0.0000	4.3894	4.3894	1.2000e-004	1.1000e-004	4.4265

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2832					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	0.2910	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

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3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9700e-003	1.1100e-003	0.0159	5.0000e-005	5.7500e-003	3.0000e-005	5.7800e-003	1.5300e-003	3.0000e-005	1.5600e-003	0.0000	4.3894	4.3894	1.2000e-004	1.1000e-004	4.4265
Total	1.9700e-003	1.1100e-003	0.0159	5.0000e-005	5.7500e-003	3.0000e-005	5.7800e-003	1.5300e-003	3.0000e-005	1.5600e-003	0.0000	4.3894	4.3894	1.2000e-004	1.1000e-004	4.4265

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2832					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	0.3055	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

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3.6 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8600e-003	1.0100e-003	0.0150	4.0000e-005	5.7500e-003	3.0000e-005	5.7800e-003	1.5300e-003	2.0000e-005	1.5500e-003	0.0000	4.2851	4.2851	1.1000e-004	1.1000e-004	4.3200
Total	1.8600e-003	1.0100e-003	0.0150	4.0000e-005	5.7500e-003	3.0000e-005	5.7800e-003	1.5300e-003	2.0000e-005	1.5500e-003	0.0000	4.2851	4.2851	1.1000e-004	1.1000e-004	4.3200

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2832					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	0.2910	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.8600e-003	1.0100e-003	0.0150	4.0000e-005	5.7500e-003	3.0000e-005	5.7800e-003	1.5300e-003	2.0000e-005	1.5500e-003	0.0000	4.2851	4.2851	1.1000e-004	1.1000e-004	4.3200
Total	1.8600e-003	1.0100e-003	0.0150	4.0000e-005	5.7500e-003	3.0000e-005	5.7800e-003	1.5300e-003	2.0000e-005	1.5500e-003	0.0000	4.2851	4.2851	1.1000e-004	1.1000e-004	4.3200

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1845					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.0974	0.1538	2.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003	0.0000	21.7027	21.7027	1.1800e-003	0.0000	21.7323
Total	0.1990	0.0974	0.1538	2.5000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003	0.0000	21.7027	21.7027	1.1800e-003	0.0000	21.7323

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1400e-003	6.0000e-004	9.2300e-003	3.0000e-005	3.7500e-003	2.0000e-005	3.7600e-003	1.0000e-003	2.0000e-005	1.0100e-003	0.0000	2.7285	2.7285	7.0000e-005	7.0000e-005	2.7500
Total	1.1400e-003	6.0000e-004	9.2300e-003	3.0000e-005	3.7500e-003	2.0000e-005	3.7600e-003	1.0000e-003	2.0000e-005	1.0100e-003	0.0000	2.7285	2.7285	7.0000e-005	7.0000e-005	2.7500

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1845					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.0500e-003	0.1153	0.1558	2.5000e-004		8.0800e-003	8.0800e-003		8.0800e-003	8.0800e-003	0.0000	21.7026	21.7026	1.1800e-003	0.0000	21.7322
Total	0.1895	0.1153	0.1558	2.5000e-004		8.0800e-003	8.0800e-003		8.0800e-003	8.0800e-003	0.0000	21.7026	21.7026	1.1800e-003	0.0000	21.7322

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	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	0.0000
Worker	1.1400e-003	6.0000e-004	9.2300e-003	3.0000e-005	3.7500e-003	2.0000e-005	3.7600e-003	1.0000e-003	2.0000e-005	1.0100e-003	0.0000	2.7285	2.7285	7.0000e-005	7.0000e-005	2.7500	
Total	1.1400e-003	6.0000e-004	9.2300e-003	3.0000e-005	3.7500e-003	2.0000e-005	3.7600e-003	1.0000e-003	2.0000e-005	1.0100e-003	0.0000	2.7285	2.7285	7.0000e-005	7.0000e-005	2.7500	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

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	0.3037	0.3709	2.8048	5.9800e-003	0.7004	4.4600e-003	0.7048	0.1872	4.1700e-003	0.1913	0.0000	578.4800	578.4800	0.0379	0.0275	587.6095
Unmitigated	0.3037	0.3709	2.8048	5.9800e-003	0.7004	4.4600e-003	0.7048	0.1872	4.1700e-003	0.1913	0.0000	578.4800	578.4800	0.0379	0.0275	587.6095

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	745.76	753.66	675.45	1,890,823	1,890,823
Total	745.76	753.66	675.45	1,890,823	1,890,823

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
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.556441	0.056316	0.182404	0.123746	0.022308	0.005587	0.013387	0.009520	0.000843	0.000625	0.025098	0.000893	0.002832

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	101.4343	101.4343	9.3500e-003	1.1300e-003	102.0058
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	101.4343	101.4343	9.3500e-003	1.1300e-003	102.0058
NaturalGas Mitigated	0.0101	0.0861	0.0367	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	99.7394	99.7394	1.9100e-003	1.8300e-003	100.3321
NaturalGas Unmitigated	0.0101	0.0861	0.0367	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	99.7394	99.7394	1.9100e-003	1.8300e-003	100.3321

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Single Family Housing	1.86905e+006	0.0101	0.0861	0.0367	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	99.7394	99.7394	1.9100e-003	1.8300e-003	100.3321
Total		0.0101	0.0861	0.0367	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	99.7394	99.7394	1.9100e-003	1.8300e-003	100.3321

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					
Single Family Housing	1.86905e+006	0.0101	0.0861	0.0367	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	99.7394	99.7394	1.9100e-003	1.8300e-003	100.3321
Total		0.0101	0.0861	0.0367	5.5000e-004		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	99.7394	99.7394	1.9100e-003	1.8300e-003	100.3321

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	624684	101.4343	9.3500e-003	1.1300e-003	102.0058
Total		101.4343	9.3500e-003	1.1300e-003	102.0058

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	624684	101.4343	9.3500e-003	1.1300e-003	102.0058
Total		101.4343	9.3500e-003	1.1300e-003	102.0058

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6688	9.3800e-003	0.8139	4.0000e-005		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	1.3308	1.3308	1.2700e-003	0.0000	1.3627
Unmitigated	0.6688	9.3800e-003	0.8139	4.0000e-005		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	1.3308	1.3308	1.2700e-003	0.0000	1.3627

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	0.0890					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5554					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0244	9.3800e-003	0.8139	4.0000e-005		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	1.3308	1.3308	1.2700e-003	0.0000	1.3627
Total	0.6688	9.3800e-003	0.8139	4.0000e-005		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	1.3308	1.3308	1.2700e-003	0.0000	1.3627

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0890					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5554					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0244	9.3800e-003	0.8139	4.0000e-005		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	1.3308	1.3308	1.2700e-003	0.0000	1.3627
Total	0.6688	9.3800e-003	0.8139	4.0000e-005		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	1.3308	1.3308	1.2700e-003	0.0000	1.3627

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.4608	6.7900e-003	4.0200e-003	8.8294
Unmitigated	7.8296	6.8200e-003	4.0300e-003	9.2003

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	5.14717 / 3.24495	7.8296	6.8200e-003	4.0300e-003	9.2003
Total		7.8296	6.8200e-003	4.0300e-003	9.2003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	5.14717 / 2.59596	7.4608	6.7900e-003	4.0200e-003	8.8294
Total		7.4608	6.7900e-003	4.0200e-003	8.8294

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.4192	0.9113	0.0000	38.2004
Unmitigated	15.4192	0.9113	0.0000	38.2004

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	75.96	15.4192	0.9113	0.0000	38.2004
Total		15.4192	0.9113	0.0000	38.2004

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	75.96	15.4192	0.9113	0.0000	38.2004
Total		15.4192	0.9113	0.0000	38.2004

9.0 Operational Offroad

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

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Terrace Park Project
Sacramento Metropolitan AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	79.00	Dwelling Unit	8.20	142,200.00	211

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	357.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent actual acreage of project site.

Construction Phase - Phase timing adjusted based on applicant provided AQ Questionnaire. Architectural Coating phase assumed to begin two weeks after the initiation of the Building Construction phase, and last for the same duration.

Grading -

Construction Off-road Equipment Mitigation - Based on applicant provided AQ Questionnaire.

Area Mitigation - Based on applicant provided AQ Questionnaire.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	820.00
tblConstructionPhase	NumDays	230.00	820.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	4/24/2025	8/26/2027
tblConstructionPhase	PhaseEndDate	2/27/2025	8/12/2027
tblConstructionPhase	PhaseEndDate	4/11/2024	4/25/2024
tblConstructionPhase	PhaseEndDate	3/27/2025	6/20/2024

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseEndDate	3/14/2024	3/28/2024
tblConstructionPhase	PhaseStartDate	3/28/2025	7/5/2024
tblConstructionPhase	PhaseStartDate	4/12/2024	6/21/2024
tblConstructionPhase	PhaseStartDate	3/15/2024	3/29/2024
tblConstructionPhase	PhaseStartDate	2/28/2025	4/26/2024
tblLandUse	LotAcreage	25.65	8.20

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					
2024	3.9398	27.2020	18.9488	0.0393	19.7939	1.2300	21.0240	10.1388	1.1316	11.2704	0.0000	3,812.8855	3,812.8855	1.1960	0.0291	3,843.6564
2025	3.8188	14.0149	18.8058	0.0336	0.3068	0.5823	0.8891	0.0825	0.5508	0.6333	0.0000	3,225.1820	3,225.1820	0.6256	0.0283	3,249.2553
2026	3.8127	14.0035	18.7558	0.0335	0.3068	0.5822	0.8890	0.0825	0.5507	0.6332	0.0000	3,216.5086	3,216.5086	0.6250	0.0276	3,240.3536
2027	3.8071	13.9935	18.7132	0.0334	0.3068	0.5821	0.8889	0.0825	0.5506	0.6331	0.0000	3,208.1324	3,208.1324	0.6245	0.0269	3,231.7575
Maximum	3.9398	27.2020	18.9488	0.0393	19.7939	1.2300	21.0240	10.1388	1.1316	11.2704	0.0000	3,812.8855	3,812.8855	1.1960	0.0291	3,843.6564

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.7261	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0112	0.0000	12.0166
Energy	0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122
Mobile	2.1158	1.9188	16.9149	0.0361	4.0755	0.0251	4.1006	1.0861	0.0235	1.1096		3,850.338 2	3,850.338 2	0.2245	0.1635	3,904.677 3
Total	5.8972	2.4657	23.6271	0.0395	4.0755	0.0994	4.1749	1.0861	0.0977	1.1838	0.0000	4,464.506 0	4,464.506 0	0.2473	0.1746	4,522.706 0

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	3.7261	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0112	0.0000	12.0166
Energy	0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122
Mobile	2.1158	1.9188	16.9149	0.0361	4.0755	0.0251	4.1006	1.0861	0.0235	1.1096		3,850.338 2	3,850.338 2	0.2245	0.1635	3,904.677 3
Total	5.8972	2.4657	23.6271	0.0395	4.0755	0.0994	4.1749	1.0861	0.0977	1.1838	0.0000	4,464.506 0	4,464.506 0	0.2473	0.1746	4,522.706 0

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2024	3/28/2024	5	20	
2	Grading	Grading	3/29/2024	4/25/2024	5	20	
3	Paving	Paving	4/26/2024	6/20/2024	5	40	
4	Building Construction	Building Construction	6/21/2024	8/12/2027	5	820	
5	Architectural Coating	Architectural Coating	7/5/2024	8/26/2027	5	820	

Acres of Grading (Site Preparation Phase): 30

Acres of Grading (Grading Phase): 20

Acres of Paving: 0

Residential Indoor: 287,955; Residential Outdoor: 95,985; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	7.00	231	0.29
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building 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
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	28.00	8.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	2.6609	27.1760	18.3356	0.0381	19.6570	1.2294	20.8864	10.1025	1.1310	11.2335		3,688.0100	3,688.0100	1.1928		3,717.8294

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0567	0.0260	0.4554	1.2100e-003	0.1369	6.7000e-004	0.1376	0.0363	6.2000e-004	0.0369		124.8755	124.8755	3.1800e-003	2.9300e-003	125.8270
Total	0.0567	0.0260	0.4554	1.2100e-003	0.1369	6.7000e-004	0.1376	0.0363	6.2000e-004	0.0369		124.8755	124.8755	3.1800e-003	2.9300e-003	125.8270

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	0.9312	19.0656	22.9600	0.0381	19.6570	0.9462	20.6032	10.1025	0.9462	11.0486	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0567	0.0260	0.4554	1.2100e-003	0.1369	6.7000e-004	0.1376	0.0363	6.2000e-004	0.0369		124.8755	124.8755	3.1800e-003	2.9300e-003	125.8270
Total	0.0567	0.0260	0.4554	1.2100e-003	0.1369	6.7000e-004	0.1376	0.0363	6.2000e-004	0.0369		124.8755	124.8755	3.1800e-003	2.9300e-003	125.8270

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	7.0826	0.7244	7.8070	3.4247	0.6665	4.0912		2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0472	0.0216	0.3795	1.0100e-003	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		104.0629	104.0629	2.6500e-003	2.4400e-003	104.8559
Total	0.0472	0.0216	0.3795	1.0100e-003	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		104.0629	104.0629	2.6500e-003	2.4400e-003	104.8559

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	0.7263	14.8397	18.9906	0.0297		0.7555	0.7555		0.7555	0.7555	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	0.7263	14.8397	18.9906	0.0297	7.0826	0.7555	7.8381	3.4247	0.7555	4.1803	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0472	0.0216	0.3795	1.0100e-003	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		104.0629	104.0629	2.6500e-003	2.4400e-003	104.8559
Total	0.0472	0.0216	0.3795	1.0100e-003	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		104.0629	104.0629	2.6500e-003	2.4400e-003	104.8559

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 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	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
Worker	0.0472	0.0216	0.3795	1.0100e-003	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		104.0629	104.0629	2.6500e-003	2.4400e-003	104.8559
Total	0.0472	0.0216	0.3795	1.0100e-003	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		104.0629	104.0629	2.6500e-003	2.4400e-003	104.8559

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 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	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
Worker	0.0472	0.0216	0.3795	1.0100e-003	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		104.0629	104.0629	2.6500e-003	2.4400e-003	104.8559
Total	0.0472	0.0216	0.3795	1.0100e-003	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		104.0629	104.0629	2.6500e-003	2.4400e-003	104.8559

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0102	0.3631	0.1117	1.4900e-003	0.0482	2.0400e-003	0.0502	0.0139	1.9500e-003	0.0158		160.3934	160.3934	3.9300e-003	0.0236	167.5143
Worker	0.0881	0.0404	0.7084	1.8800e-003	0.2130	1.0500e-003	0.2140	0.0565	9.6000e-004	0.0575		194.2508	194.2508	4.9400e-003	4.5500e-003	195.7309
Total	0.0984	0.4035	0.8201	3.3700e-003	0.2612	3.0900e-003	0.2643	0.0704	2.9100e-003	0.0733		354.6442	354.6442	8.8700e-003	0.0281	363.2452

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0102	0.3631	0.1117	1.4900e-003	0.0482	2.0400e-003	0.0502	0.0139	1.9500e-003	0.0158		160.3934	160.3934	3.9300e-003	0.0236	167.5143
Worker	0.0881	0.0404	0.7084	1.8800e-003	0.2130	1.0500e-003	0.2140	0.0565	9.6000e-004	0.0575		194.2508	194.2508	4.9400e-003	4.5500e-003	195.7309
Total	0.0984	0.4035	0.8201	3.3700e-003	0.2612	3.0900e-003	0.2643	0.0704	2.9100e-003	0.0733		354.6442	354.6442	8.8700e-003	0.0281	363.2452

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8700e-003	0.3557	0.1091	1.4600e-003	0.0482	2.0000e-003	0.0502	0.0139	1.9100e-003	0.0158		157.1410	157.1410	3.8500e-003	0.0231	164.1305
Worker	0.0827	0.0363	0.6613	1.8200e-003	0.2130	1.0000e-003	0.2140	0.0565	9.2000e-004	0.0574		189.5094	189.5094	4.4700e-003	4.2600e-003	190.8899
Total	0.0926	0.3919	0.7703	3.2800e-003	0.2612	3.0000e-003	0.2642	0.0704	2.8300e-003	0.0732		346.6504	346.6504	8.3200e-003	0.0274	355.0204

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8700e-003	0.3557	0.1091	1.4600e-003	0.0482	2.0000e-003	0.0502	0.0139	1.9100e-003	0.0158		157.1410	157.1410	3.8500e-003	0.0231	164.1305
Worker	0.0827	0.0363	0.6613	1.8200e-003	0.2130	1.0000e-003	0.2140	0.0565	9.2000e-004	0.0574		189.5094	189.5094	4.4700e-003	4.2600e-003	190.8899
Total	0.0926	0.3919	0.7703	3.2800e-003	0.2612	3.0000e-003	0.2642	0.0704	2.8300e-003	0.0732		346.6504	346.6504	8.3200e-003	0.0274	355.0204

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5300e-003	0.3485	0.1069	1.4300e-003	0.0482	1.9500e-003	0.0501	0.0139	1.8600e-003	0.0157		153.9722	153.9722	3.7600e-003	0.0227	160.8343
Worker	0.0780	0.0329	0.6218	1.7600e-003	0.2130	9.5000e-004	0.2140	0.0565	8.8000e-004	0.0574		184.9762	184.9762	4.0700e-003	4.0100e-003	186.2737
Total	0.0875	0.3813	0.7287	3.1900e-003	0.2612	2.9000e-003	0.2641	0.0704	2.7400e-003	0.0731		338.9484	338.9484	7.8300e-003	0.0267	347.1079

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5300e-003	0.3485	0.1069	1.4300e-003	0.0482	1.9500e-003	0.0501	0.0139	1.8600e-003	0.0157		153.9722	153.9722	3.7600e-003	0.0227	160.8343
Worker	0.0780	0.0329	0.6218	1.7600e-003	0.2130	9.5000e-004	0.2140	0.0565	8.8000e-004	0.0574		184.9762	184.9762	4.0700e-003	4.0100e-003	186.2737
Total	0.0875	0.3813	0.7287	3.1900e-003	0.2612	2.9000e-003	0.2641	0.0704	2.7400e-003	0.0731		338.9484	338.9484	7.8300e-003	0.0267	347.1079

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2200e-003	0.3418	0.1051	1.4000e-003	0.0482	1.9000e-003	0.0501	0.0139	1.8200e-003	0.0157		150.6649	150.6649	3.6600e-003	0.0223	157.3920
Worker	0.0736	0.0301	0.5883	1.7100e-003	0.2130	9.0000e-004	0.2139	0.0565	8.3000e-004	0.0573		180.8018	180.8018	3.7200e-003	3.8100e-003	182.0293
Total	0.0829	0.3719	0.6934	3.1100e-003	0.2612	2.8000e-003	0.2640	0.0704	2.6500e-003	0.0730		331.4667	331.4667	7.3800e-003	0.0261	339.4213

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2200e-003	0.3418	0.1051	1.4000e-003	0.0482	1.9000e-003	0.0501	0.0139	1.8200e-003	0.0157		150.6649	150.6649	3.6600e-003	0.0223	157.3920
Worker	0.0736	0.0301	0.5883	1.7100e-003	0.2130	9.0000e-004	0.2139	0.0565	8.3000e-004	0.0573		180.8018	180.8018	3.7200e-003	3.8100e-003	182.0293
Total	0.0829	0.3719	0.6934	3.1100e-003	0.2612	2.8000e-003	0.2640	0.0704	2.6500e-003	0.0730		331.4667	331.4667	7.3800e-003	0.0261	339.4213

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	2.3510	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0189	8.6500e-003	0.1518	4.0000e-004	0.0456	2.2000e-004	0.0459	0.0121	2.1000e-004	0.0123		41.6252	41.6252	1.0600e-003	9.8000e-004	41.9423
Total	0.0189	8.6500e-003	0.1518	4.0000e-004	0.0456	2.2000e-004	0.0459	0.0121	2.1000e-004	0.0123		41.6252	41.6252	1.0600e-003	9.8000e-004	41.9423

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	2.2296	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0189	8.6500e-003	0.1518	4.0000e-004	0.0456	2.2000e-004	0.0459	0.0121	2.1000e-004	0.0123		41.6252	41.6252	1.0600e-003	9.8000e-004	41.9423
Total	0.0189	8.6500e-003	0.1518	4.0000e-004	0.0456	2.2000e-004	0.0459	0.0121	2.1000e-004	0.0123		41.6252	41.6252	1.0600e-003	9.8000e-004	41.9423

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	2.3411	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0177	7.7700e-003	0.1417	3.9000e-004	0.0456	2.1000e-004	0.0459	0.0121	2.0000e-004	0.0123		40.6092	40.6092	9.6000e-004	9.1000e-004	40.9050
Total	0.0177	7.7700e-003	0.1417	3.9000e-004	0.0456	2.1000e-004	0.0459	0.0121	2.0000e-004	0.0123		40.6092	40.6092	9.6000e-004	9.1000e-004	40.9050

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	2.2296	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0177	7.7700e-003	0.1417	3.9000e-004	0.0456	2.1000e-004	0.0459	0.0121	2.0000e-004	0.0123		40.6092	40.6092	9.6000e-004	9.1000e-004	40.9050
Total	0.0177	7.7700e-003	0.1417	3.9000e-004	0.0456	2.1000e-004	0.0459	0.0121	2.0000e-004	0.0123		40.6092	40.6092	9.6000e-004	9.1000e-004	40.9050

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	2.3411	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0167	7.0400e-003	0.1332	3.8000e-004	0.0456	2.0000e-004	0.0459	0.0121	1.9000e-004	0.0123		39.6378	39.6378	8.7000e-004	8.6000e-004	39.9158
Total	0.0167	7.0400e-003	0.1332	3.8000e-004	0.0456	2.0000e-004	0.0459	0.0121	1.9000e-004	0.0123		39.6378	39.6378	8.7000e-004	8.6000e-004	39.9158

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	2.2296	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0167	7.0400e-003	0.1332	3.8000e-004	0.0456	2.0000e-004	0.0459	0.0121	1.9000e-004	0.0123		39.6378	39.6378	8.7000e-004	8.6000e-004	39.9158
Total	0.0167	7.0400e-003	0.1332	3.8000e-004	0.0456	2.0000e-004	0.0459	0.0121	1.9000e-004	0.0123		39.6378	39.6378	8.7000e-004	8.6000e-004	39.9158

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	2.3411	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0158	6.4400e-003	0.1261	3.7000e-004	0.0456	1.9000e-004	0.0458	0.0121	1.8000e-004	0.0123		38.7432	38.7432	8.0000e-004	8.2000e-004	39.0063
Total	0.0158	6.4400e-003	0.1261	3.7000e-004	0.0456	1.9000e-004	0.0458	0.0121	1.8000e-004	0.0123		38.7432	38.7432	8.0000e-004	8.2000e-004	39.0063

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	2.2296	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0158	6.4400e-003	0.1261	3.7000e-004	0.0456	1.9000e-004	0.0458	0.0121	1.8000e-004	0.0123		38.7432	38.7432	8.0000e-004	8.2000e-004	39.0063
Total	0.0158	6.4400e-003	0.1261	3.7000e-004	0.0456	1.9000e-004	0.0458	0.0121	1.8000e-004	0.0123		38.7432	38.7432	8.0000e-004	8.2000e-004	39.0063

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

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	2.1158	1.9188	16.9149	0.0361	4.0755	0.0251	4.1006	1.0861	0.0235	1.1096		3,850.338 2	3,850.338 2	0.2245	0.1635	3,904.677 3
Unmitigated	2.1158	1.9188	16.9149	0.0361	4.0755	0.0251	4.1006	1.0861	0.0235	1.1096		3,850.338 2	3,850.338 2	0.2245	0.1635	3,904.677 3

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	745.76	753.66	675.45	1,890,823	1,890,823
Total	745.76	753.66	675.45	1,890,823	1,890,823

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
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.556441	0.056316	0.182404	0.123746	0.022308	0.005587	0.013387	0.009520	0.000843	0.000625	0.025098	0.000893	0.002832

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122
NaturalGas Unmitigated	0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122

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					
Single Family Housing	5120.67	0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122
Total		0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

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	lb/day										lb/day					
Single Family Housing	5.12067	0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122
Total		0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7261	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0112	0.0000	12.0166
Unmitigated	3.7261	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0112	0.0000	12.0166

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.4876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0431					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1955	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361		11.7356	11.7356	0.0112		12.0166
Total	3.7261	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0112	0.0000	12.0166

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.4876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0431					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1955	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361		11.7356	11.7356	0.0112		12.0166
Total	3.7261	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0112	0.0000	12.0166

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
----------------	--------	-----------	-----------	-------------	-------------	-----------

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
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Terrace Park Project
Sacramento Metropolitan AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	79.00	Dwelling Unit	8.20	142,200.00	211

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	357.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot acreage adjusted to represent actual acreage of project site.

Construction Phase - Phase timing adjusted based on applicant provided AQ Questionnaire. Architectural Coating phase assumed to begin two weeks after the initiation of the Building Construction phase, and last for the same duration.

Grading -

Construction Off-road Equipment Mitigation - Based on applicant provided AQ Questionnaire.

Area Mitigation - Based on applicant provided AQ Questionnaire.

Water Mitigation - Compliant with MWELO.

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	20.00	820.00
tblConstructionPhase	NumDays	230.00	820.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	PhaseEndDate	4/24/2025	8/26/2027
tblConstructionPhase	PhaseEndDate	2/27/2025	8/12/2027
tblConstructionPhase	PhaseEndDate	4/11/2024	4/25/2024
tblConstructionPhase	PhaseEndDate	3/27/2025	6/20/2024

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	PhaseEndDate	3/14/2024	3/28/2024
tblConstructionPhase	PhaseStartDate	3/28/2025	7/5/2024
tblConstructionPhase	PhaseStartDate	4/12/2024	6/21/2024
tblConstructionPhase	PhaseStartDate	3/15/2024	3/29/2024
tblConstructionPhase	PhaseStartDate	2/28/2025	4/26/2024
tblLandUse	LotAcreage	25.65	8.20

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					
2024	3.9274	27.2078	18.8465	0.0392	19.7939	1.2300	21.0240	10.1388	1.1316	11.2704	0.0000	3,799.1270	3,799.1270	1.1965	0.0300	3,830.0381
2025	3.8072	14.0516	18.7132	0.0334	0.3068	0.5823	0.8891	0.0825	0.5508	0.6333	0.0000	3,200.0380	3,200.0380	0.6265	0.0291	3,224.3735
2026	3.8019	14.0389	18.6707	0.0333	0.3068	0.5822	0.8890	0.0825	0.5507	0.6332	0.0000	3,192.0282	3,192.0282	0.6258	0.0283	3,216.1200
2027	3.7970	14.0277	18.6342	0.0332	0.3068	0.5821	0.8889	0.0825	0.5506	0.6331	0.0000	3,184.2512	3,184.2512	0.6253	0.0276	3,208.1101
Maximum	3.9274	27.2078	18.8465	0.0392	19.7939	1.2300	21.0240	10.1388	1.1316	11.2704	0.0000	3,799.1270	3,799.1270	1.1965	0.0300	3,830.0381

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	3.7261	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0112	0.0000	12.0166
Energy	0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122
Mobile	1.6342	2.2178	16.8490	0.0330	4.0755	0.0251	4.1006	1.0861	0.0235	1.1096		3,520.334 1	3,520.334 1	0.2509	0.1780	3,579.642 1
Total	5.4155	2.7647	23.5612	0.0364	4.0755	0.0994	4.1749	1.0861	0.0978	1.1839	0.0000	4,134.501 9	4,134.501 9	0.2737	0.1890	4,197.670 8

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	3.7261	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0112	0.0000	12.0166
Energy	0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122
Mobile	1.6342	2.2178	16.8490	0.0330	4.0755	0.0251	4.1006	1.0861	0.0235	1.1096		3,520.334 1	3,520.334 1	0.2509	0.1780	3,579.642 1
Total	5.4155	2.7647	23.5612	0.0364	4.0755	0.0994	4.1749	1.0861	0.0978	1.1839	0.0000	4,134.501 9	4,134.501 9	0.2737	0.1890	4,197.670 8

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2024	3/28/2024	5	20	
2	Grading	Grading	3/29/2024	4/25/2024	5	20	
3	Paving	Paving	4/26/2024	6/20/2024	5	40	
4	Building Construction	Building Construction	6/21/2024	8/12/2027	5	820	
5	Architectural Coating	Architectural Coating	7/5/2024	8/26/2027	5	820	

Acres of Grading (Site Preparation Phase): 30

Acres of Grading (Grading Phase): 20

Acres of Paving: 0

Residential Indoor: 287,955; Residential Outdoor: 95,985; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	7.00	231	0.29
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building 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
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	28.00	8.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	2.6609	27.1760	18.3356	0.0381	19.6570	1.2294	20.8864	10.1025	1.1310	11.2335		3,688.0100	3,688.0100	1.1928		3,717.8294

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0503	0.0318	0.3985	1.0800e-003	0.1369	6.7000e-004	0.1376	0.0363	6.2000e-004	0.0369		111.1171	111.1171	3.6800e-003	3.3500e-003	112.2087
Total	0.0503	0.0318	0.3985	1.0800e-003	0.1369	6.7000e-004	0.1376	0.0363	6.2000e-004	0.0369		111.1171	111.1171	3.6800e-003	3.3500e-003	112.2087

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	0.9312	19.0656	22.9600	0.0381	19.6570	0.9462	20.6032	10.1025	0.9462	11.0486	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0503	0.0318	0.3985	1.0800e-003	0.1369	6.7000e-004	0.1376	0.0363	6.2000e-004	0.0369		111.1171	111.1171	3.6800e-003	3.3500e-003	112.2087
Total	0.0503	0.0318	0.3985	1.0800e-003	0.1369	6.7000e-004	0.1376	0.0363	6.2000e-004	0.0369		111.1171	111.1171	3.6800e-003	3.3500e-003	112.2087

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	7.0826	0.7244	7.8070	3.4247	0.6665	4.0912		2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0419	0.0265	0.3321	9.0000e-004	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		92.5976	92.5976	3.0600e-003	2.8000e-003	93.5072
Total	0.0419	0.0265	0.3321	9.0000e-004	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		92.5976	92.5976	3.0600e-003	2.8000e-003	93.5072

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	0.7263	14.8397	18.9906	0.0297		0.7555	0.7555		0.7555	0.7555	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	0.7263	14.8397	18.9906	0.0297	7.0826	0.7555	7.8381	3.4247	0.7555	4.1803	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0419	0.0265	0.3321	9.0000e-004	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		92.5976	92.5976	3.0600e-003	2.8000e-003	93.5072
Total	0.0419	0.0265	0.3321	9.0000e-004	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		92.5976	92.5976	3.0600e-003	2.8000e-003	93.5072

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 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	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
Worker	0.0419	0.0265	0.3321	9.0000e-004	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		92.5976	92.5976	3.0600e-003	2.8000e-003	93.5072
Total	0.0419	0.0265	0.3321	9.0000e-004	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		92.5976	92.5976	3.0600e-003	2.8000e-003	93.5072

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 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	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
Worker	0.0419	0.0265	0.3321	9.0000e-004	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		92.5976	92.5976	3.0600e-003	2.8000e-003	93.5072
Total	0.0419	0.0265	0.3321	9.0000e-004	0.1141	5.6000e-004	0.1147	0.0303	5.2000e-004	0.0308		92.5976	92.5976	3.0600e-003	2.8000e-003	93.5072

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8800e-003	0.3903	0.1169	1.5000e-003	0.0482	2.0600e-003	0.0503	0.0139	1.9700e-003	0.0158		160.5287	160.5287	3.9100e-003	0.0236	167.6657
Worker	0.0782	0.0495	0.6199	1.6800e-003	0.2130	1.0500e-003	0.2140	0.0565	9.6000e-004	0.0575		172.8488	172.8488	5.7200e-003	5.2200e-003	174.5468
Total	0.0881	0.4399	0.7367	3.1800e-003	0.2612	3.1100e-003	0.2643	0.0704	2.9300e-003	0.0733		333.3775	333.3775	9.6300e-003	0.0288	342.2125

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8800e-003	0.3903	0.1169	1.5000e-003	0.0482	2.0600e-003	0.0503	0.0139	1.9700e-003	0.0158		160.5287	160.5287	3.9100e-003	0.0236	167.6657
Worker	0.0782	0.0495	0.6199	1.6800e-003	0.2130	1.0500e-003	0.2140	0.0565	9.6000e-004	0.0575		172.8488	172.8488	5.7200e-003	5.2200e-003	174.5468
Total	0.0881	0.4399	0.7367	3.1800e-003	0.2612	3.1100e-003	0.2643	0.0704	2.9300e-003	0.0733		333.3775	333.3775	9.6300e-003	0.0288	342.2125

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5100e-003	0.3825	0.1141	1.4700e-003	0.0482	2.0200e-003	0.0502	0.0139	1.9300e-003	0.0158		157.2913	157.2913	3.8300e-003	0.0232	164.2964
Worker	0.0735	0.0444	0.5809	1.6200e-003	0.2130	1.0000e-003	0.2140	0.0565	9.2000e-004	0.0574		168.6788	168.6788	5.2000e-003	4.8800e-003	170.2623
Total	0.0830	0.4269	0.6950	3.0900e-003	0.2612	3.0200e-003	0.2642	0.0704	2.8500e-003	0.0732		325.9701	325.9701	9.0300e-003	0.0281	334.5587

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5100e-003	0.3825	0.1141	1.4700e-003	0.0482	2.0200e-003	0.0502	0.0139	1.9300e-003	0.0158		157.2913	157.2913	3.8300e-003	0.0232	164.2964
Worker	0.0735	0.0444	0.5809	1.6200e-003	0.2130	1.0000e-003	0.2140	0.0565	9.2000e-004	0.0574		168.6788	168.6788	5.2000e-003	4.8800e-003	170.2623
Total	0.0830	0.4269	0.6950	3.0900e-003	0.2612	3.0200e-003	0.2642	0.0704	2.8500e-003	0.0732		325.9701	325.9701	9.0300e-003	0.0281	334.5587

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1600e-003	0.3748	0.1118	1.4400e-003	0.0482	1.9700e-003	0.0502	0.0139	1.8800e-003	0.0158		154.1359	154.1359	3.7400e-003	0.0228	161.0133
Worker	0.0694	0.0403	0.5477	1.5700e-003	0.2130	9.5000e-004	0.2140	0.0565	8.8000e-004	0.0574		164.6810	164.6810	4.7600e-003	4.5900e-003	166.1691
Total	0.0786	0.4151	0.6595	3.0100e-003	0.2612	2.9200e-003	0.2641	0.0704	2.7600e-003	0.0731		318.8170	318.8170	8.5000e-003	0.0274	327.1824

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1600e-003	0.3748	0.1118	1.4400e-003	0.0482	1.9700e-003	0.0502	0.0139	1.8800e-003	0.0158		154.1359	154.1359	3.7400e-003	0.0228	161.0133
Worker	0.0694	0.0403	0.5477	1.5700e-003	0.2130	9.5000e-004	0.2140	0.0565	8.8000e-004	0.0574		164.6810	164.6810	4.7600e-003	4.5900e-003	166.1691
Total	0.0786	0.4151	0.6595	3.0100e-003	0.2612	2.9200e-003	0.2641	0.0704	2.7600e-003	0.0731		318.8170	318.8170	8.5000e-003	0.0274	327.1824

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8500e-003	0.3678	0.1098	1.4000e-003	0.0482	1.9200e-003	0.0501	0.0139	1.8400e-003	0.0157		150.8400	150.8400	3.6500e-003	0.0223	157.5821
Worker	0.0657	0.0368	0.5193	1.5200e-003	0.2130	9.0000e-004	0.2139	0.0565	8.3000e-004	0.0573		160.9908	160.9908	4.3700e-003	4.3600e-003	162.3984
Total	0.0745	0.4046	0.6291	2.9200e-003	0.2612	2.8200e-003	0.2640	0.0704	2.6700e-003	0.0730		311.8307	311.8307	8.0200e-003	0.0267	319.9805

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8500e-003	0.3678	0.1098	1.4000e-003	0.0482	1.9200e-003	0.0501	0.0139	1.8400e-003	0.0157		150.8400	150.8400	3.6500e-003	0.0223	157.5821
Worker	0.0657	0.0368	0.5193	1.5200e-003	0.2130	9.0000e-004	0.2139	0.0565	8.3000e-004	0.0573		160.9908	160.9908	4.3700e-003	4.3600e-003	162.3984
Total	0.0745	0.4046	0.6291	2.9200e-003	0.2612	2.8200e-003	0.2640	0.0704	2.6700e-003	0.0730		311.8307	311.8307	8.0200e-003	0.0267	319.9805

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	2.3510	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0168	0.0106	0.1328	3.6000e-004	0.0456	2.2000e-004	0.0459	0.0121	2.1000e-004	0.0123		37.0390	37.0390	1.2300e-003	1.1200e-003	37.4029
Total	0.0168	0.0106	0.1328	3.6000e-004	0.0456	2.2000e-004	0.0459	0.0121	2.1000e-004	0.0123		37.0390	37.0390	1.2300e-003	1.1200e-003	37.4029

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	2.2296	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0168	0.0106	0.1328	3.6000e-004	0.0456	2.2000e-004	0.0459	0.0121	2.1000e-004	0.0123		37.0390	37.0390	1.2300e-003	1.1200e-003	37.4029
Total	0.0168	0.0106	0.1328	3.6000e-004	0.0456	2.2000e-004	0.0459	0.0121	2.1000e-004	0.0123		37.0390	37.0390	1.2300e-003	1.1200e-003	37.4029

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	2.3411	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0158	9.5200e-003	0.1245	3.5000e-004	0.0456	2.1000e-004	0.0459	0.0121	2.0000e-004	0.0123		36.1455	36.1455	1.1200e-003	1.0500e-003	36.4848
Total	0.0158	9.5200e-003	0.1245	3.5000e-004	0.0456	2.1000e-004	0.0459	0.0121	2.0000e-004	0.0123		36.1455	36.1455	1.1200e-003	1.0500e-003	36.4848

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	2.2296	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0158	9.5200e-003	0.1245	3.5000e-004	0.0456	2.1000e-004	0.0459	0.0121	2.0000e-004	0.0123		36.1455	36.1455	1.1200e-003	1.0500e-003	36.4848
Total	0.0158	9.5200e-003	0.1245	3.5000e-004	0.0456	2.1000e-004	0.0459	0.0121	2.0000e-004	0.0123		36.1455	36.1455	1.1200e-003	1.0500e-003	36.4848

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	2.3411	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0149	8.6300e-003	0.1174	3.4000e-004	0.0456	2.0000e-004	0.0459	0.0121	1.9000e-004	0.0123		35.2888	35.2888	1.0200e-003	9.8000e-004	35.6077
Total	0.0149	8.6300e-003	0.1174	3.4000e-004	0.0456	2.0000e-004	0.0459	0.0121	1.9000e-004	0.0123		35.2888	35.2888	1.0200e-003	9.8000e-004	35.6077

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	2.2296	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0149	8.6300e-003	0.1174	3.4000e-004	0.0456	2.0000e-004	0.0459	0.0121	1.9000e-004	0.0123		35.2888	35.2888	1.0200e-003	9.8000e-004	35.6077
Total	0.0149	8.6300e-003	0.1174	3.4000e-004	0.0456	2.0000e-004	0.0459	0.0121	1.9000e-004	0.0123		35.2888	35.2888	1.0200e-003	9.8000e-004	35.6077

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	2.3411	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0141	7.8800e-003	0.1113	3.3000e-004	0.0456	1.9000e-004	0.0458	0.0121	1.8000e-004	0.0123		34.4980	34.4980	9.4000e-004	9.3000e-004	34.7997
Total	0.0141	7.8800e-003	0.1113	3.3000e-004	0.0456	1.9000e-004	0.0458	0.0121	1.8000e-004	0.0123		34.4980	34.4980	9.4000e-004	9.3000e-004	34.7997

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.1702					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	2.2296	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	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
Worker	0.0141	7.8800e-003	0.1113	3.3000e-004	0.0456	1.9000e-004	0.0458	0.0121	1.8000e-004	0.0123		34.4980	34.4980	9.4000e-004	9.3000e-004	34.7997
Total	0.0141	7.8800e-003	0.1113	3.3000e-004	0.0456	1.9000e-004	0.0458	0.0121	1.8000e-004	0.0123		34.4980	34.4980	9.4000e-004	9.3000e-004	34.7997

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

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	1.6342	2.2178	16.8490	0.0330	4.0755	0.0251	4.1006	1.0861	0.0235	1.1096		3,520.334 1	3,520.334 1	0.2509	0.1780	3,579.642 1
Unmitigated	1.6342	2.2178	16.8490	0.0330	4.0755	0.0251	4.1006	1.0861	0.0235	1.1096		3,520.334 1	3,520.334 1	0.2509	0.1780	3,579.642 1

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	745.76	753.66	675.45	1,890,823	1,890,823
Total	745.76	753.66	675.45	1,890,823	1,890,823

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
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.556441	0.056316	0.182404	0.123746	0.022308	0.005587	0.013387	0.009520	0.000843	0.000625	0.025098	0.000893	0.002832

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122
NaturalGas Unmitigated	0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122

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					
Single Family Housing	5120.67	0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122
Total		0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - Natural Gas

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	lb/day										lb/day					
Single Family Housing	5.12067	0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122
Total		0.0552	0.4719	0.2008	3.0100e-003		0.0382	0.0382		0.0382	0.0382		602.4322	602.4322	0.0116	0.0110	606.0122

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7261	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0112	0.0000	12.0166
Unmitigated	3.7261	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0112	0.0000	12.0166

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.4876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0431					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1955	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361		11.7356	11.7356	0.0112		12.0166
Total	3.7261	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0112	0.0000	12.0166

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.4876					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.0431					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1955	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361		11.7356	11.7356	0.0112		12.0166
Total	3.7261	0.0750	6.5114	3.4000e-004		0.0361	0.0361		0.0361	0.0361	0.0000	11.7356	11.7356	0.0112	0.0000	12.0166

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Terrace Park Project - Sacramento Metropolitan AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Terrace Park Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Sacramento Metropolitan AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.05	-0.17	-0.01	0.00	-0.79	-0.79	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.49	-0.12	-0.11	0.00	-0.66	-0.77	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.55	0.13	-0.28	0.00	-0.04	-0.13	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.42	-0.19	-0.18	0.00	-0.30	-0.41	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.64	0.30	-0.25	0.00	0.23	0.16	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Terrace Park Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	Tier 3	1	1	No Change	0.00
Excavators	Diesel	Tier 3	1	1	No Change	0.00
Cranes	Diesel	Tier 3	1	1	No Change	0.00
Forklifts	Diesel	Tier 3	3	3	No Change	0.00
Graders	Diesel	Tier 3	1	1	No Change	0.00
Pavers	Diesel	Tier 3	2	2	No Change	0.00
Rollers	Diesel	Tier 3	2	2	No Change	0.00
Rubber Tired Dozers	Diesel	Tier 3	4	4	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	Tier 3	10	10	No Change	0.00
Generator Sets	Diesel	Tier 3	1	1	No Change	0.00
Paving Equipment	Diesel	Tier 3	2	2	No Change	0.00
Welders	Diesel	Tier 3	1	1	No Change	0.00

Terrace Park Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	7.06900E-002	4.74350E-001	7.41810E-001	1.22000E-003	2.17200E-002	2.17200E-002	0.00000E+000	1.04683E+002	1.04683E+002	5.74000E-003	0.00000E+000	1.04827E+002
Cranes	1.13360E-001	1.15681E+000	6.25260E-001	2.07000E-003	4.89800E-002	4.50600E-002	0.00000E+000	1.81870E+002	1.81870E+002	5.88200E-002	0.00000E+000	1.83341E+002
Excavators	1.80000E-003	1.40300E-002	3.26500E-002	5.00000E-005	6.90000E-004	6.40000E-004	0.00000E+000	4.53833E+000	4.53833E+000	1.47000E-003	0.00000E+000	4.57503E+000
Forklifts	1.08390E-001	1.02025E+000	1.39566E+000	1.88000E-003	5.53900E-002	5.09600E-002	0.00000E+000	1.65178E+002	1.65178E+002	5.34200E-002	0.00000E+000	1.66514E+002
Generator Sets	1.10510E-001	9.92420E-001	1.50070E+000	2.70000E-003	4.01600E-002	4.01600E-002	0.00000E+000	2.31735E+002	2.31735E+002	8.70000E-003	0.00000E+000	2.31953E+002
Graders	3.55000E-003	4.15600E-002	1.65600E-002	7.00000E-005	1.35000E-003	1.24000E-003	0.00000E+000	5.81059E+000	5.81059E+000	1.88000E-003	0.00000E+000	5.85757E+000
Pavers	7.34000E-003	6.96700E-002	1.15720E-001	1.90000E-004	3.25000E-003	2.99000E-003	0.00000E+000	1.65167E+001	1.65167E+001	5.34000E-003	0.00000E+000	1.66502E+001
Paving Equipment	6.59000E-003	5.98400E-002	1.02790E-001	1.60000E-004	2.89000E-003	2.66000E-003	0.00000E+000	1.43141E+001	1.43141E+001	4.63000E-003	0.00000E+000	1.44299E+001
Rollers	5.83000E-003	6.09700E-002	7.40000E-002	1.00000E-004	3.23000E-003	2.97000E-003	0.00000E+000	9.22228E+000	9.22228E+000	2.98000E-003	0.00000E+000	9.29685E+000
Rubber Tired Dozers	2.78000E-002	2.85110E-001	1.25240E-001	3.40000E-004	1.28500E-002	1.18200E-002	0.00000E+000	3.00090E+001	3.00090E+001	9.71000E-003	0.00000E+000	3.02516E+001
Tractors/Loaders/Backhoes	1.54410E-001	1.55877E+000	2.55724E+000	3.58000E-003	6.51100E-002	5.99100E-002	0.00000E+000	3.14030E+002	3.14030E+002	1.01560E-001	0.00000E+000	3.16569E+002
Welders	9.12200E-002	5.52910E-001	6.78010E-001	1.05000E-003	1.72200E-002	1.72200E-002	0.00000E+000	7.71705E+001	7.71705E+001	7.42000E-003	0.00000E+000	7.73561E+001

Terrace Park Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	2.43700E-002	5.56360E-001	7.51290E-001	1.22000E-003	3.89900E-002	3.89900E-002	0.00000E+000	1.04683E+002	1.04683E+002	5.74000E-003	0.00000E+000	1.04827E+002
Cranes	5.08600E-002	9.83360E-001	1.10204E+000	2.07000E-003	3.73000E-002	3.73000E-002	0.00000E+000	1.81870E+002	1.81870E+002	5.88200E-002	0.00000E+000	1.83341E+002
Excavators	1.27000E-003	2.45700E-002	3.91800E-002	5.00000E-005	1.19000E-003	1.19000E-003	0.00000E+000	4.53833E+000	4.53833E+000	1.47000E-003	0.00000E+000	4.57502E+000
Forklifts	4.63400E-002	1.05803E+000	1.42873E+000	1.88000E-003	7.41400E-002	7.41400E-002	0.00000E+000	1.65178E+002	1.65178E+002	5.34200E-002	0.00000E+000	1.66514E+002
Generator Sets	5.39400E-002	1.23160E+000	1.66311E+000	2.70000E-003	8.63000E-002	8.63000E-002	0.00000E+000	2.31735E+002	2.31735E+002	8.70000E-003	0.00000E+000	2.31952E+002
Graders	1.62000E-003	3.13700E-002	3.51600E-002	7.00000E-005	1.19000E-003	1.19000E-003	0.00000E+000	5.81058E+000	5.81058E+000	1.88000E-003	0.00000E+000	5.85756E+000
Pavers	4.62000E-003	8.93600E-002	1.42520E-001	1.90000E-004	4.31000E-003	4.31000E-003	0.00000E+000	1.65166E+001	1.65166E+001	5.34000E-003	0.00000E+000	1.66502E+001
Paving Equipment	4.02000E-003	7.77800E-002	1.24040E-001	1.60000E-004	3.75000E-003	3.75000E-003	0.00000E+000	1.43141E+001	1.43141E+001	4.63000E-003	0.00000E+000	1.44299E+001
Rollers	2.57000E-003	5.87600E-002	7.93500E-002	1.00000E-004	4.12000E-003	4.12000E-003	0.00000E+000	9.22227E+000	9.22227E+000	2.98000E-003	0.00000E+000	9.29684E+000
Rubber Tired Dozers	8.36000E-003	1.61710E-001	1.81220E-001	3.40000E-004	6.13000E-003	6.13000E-003	0.00000E+000	3.00090E+001	3.00090E+001	9.71000E-003	0.00000E+000	3.02516E+001
Tractors/Loaders/Balckhoes	8.70700E-002	1.98805E+000	2.68459E+000	3.58000E-003	1.39310E-001	1.39310E-001	0.00000E+000	3.14030E+002	3.14030E+002	1.01560E-001	0.00000E+000	3.16569E+002
Welders	4.34100E-002	6.93040E-001	6.13710E-001	1.05000E-003	4.19100E-002	4.19100E-002	0.00000E+000	7.71704E+001	7.71704E+001	7.42000E-003	0.00000E+000	7.73560E+001

Terrace Park Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	6.55255E-001	-1.72889E-001	-1.27796E-002	0.00000E+000	-7.95120E-001	-7.95120E-001	0.00000E+000	1.14631E-006	1.14631E-006	0.00000E+000	0.00000E+000	1.14474E-006
Cranes	5.51341E-001	1.49938E-001	-7.62531E-001	0.00000E+000	2.38465E-001	1.72215E-001	0.00000E+000	1.20965E-006	1.20965E-006	0.00000E+000	0.00000E+000	1.19995E-006
Excavators	2.94444E-001	-7.51247E-001	-2.00000E-001	0.00000E+000	-7.24638E-001	-8.59375E-001	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.18578E-006
Forklifts	5.72470E-001	-3.70301E-002	-2.36949E-002	0.00000E+000	-3.38509E-001	-4.54867E-001	0.00000E+000	1.15027E-006	1.15027E-006	0.00000E+000	0.00000E+000	1.20110E-006
Generator Sets	5.11899E-001	-2.41007E-001	-1.08223E-001	0.00000E+000	-1.14890E+000	-1.14890E+000	0.00000E+000	1.20828E-006	1.20828E-006	0.00000E+000	0.00000E+000	1.20714E-006
Graders	5.43662E-001	2.45188E-001	-1.12319E+000	0.00000E+000	1.18519E-001	4.03226E-002	0.00000E+000	1.72100E-006	1.72100E-006	0.00000E+000	0.00000E+000	1.70719E-006
Pavers	3.70572E-001	-2.82618E-001	-2.31594E-001	0.00000E+000	-3.26154E-001	-4.41472E-001	0.00000E+000	1.21090E-006	1.21090E-006	0.00000E+000	0.00000E+000	1.20119E-006
Paving Equipment	3.89985E-001	-2.99799E-001	-2.06732E-001	0.00000E+000	-2.97578E-001	-4.09774E-001	0.00000E+000	1.39722E-006	1.39722E-006	0.00000E+000	0.00000E+000	1.38601E-006
Rollers	5.59177E-001	3.62473E-002	-7.22973E-002	0.00000E+000	-2.75542E-001	-3.87205E-001	0.00000E+000	1.08433E-006	1.08433E-006	0.00000E+000	0.00000E+000	1.07563E-006
Rubber Tired Dozers	6.99281E-001	4.32815E-001	-4.46982E-001	0.00000E+000	5.22957E-001	4.81387E-001	0.00000E+000	9.99701E-007	9.99701E-007	0.00000E+000	0.00000E+000	1.32224E-006
Tractors/Loaders/Balckhoes	4.36112E-001	-2.75397E-001	-4.97998E-002	0.00000E+000	-1.13961E+000	-1.32532E+000	0.00000E+000	1.21008E-006	1.21008E-006	0.00000E+000	0.00000E+000	1.20037E-006
Welders	5.24118E-001	-2.53441E-001	9.48364E-002	0.00000E+000	-1.43380E+000	-1.43380E+000	0.00000E+000	1.16625E-006	1.16625E-006	0.00000E+000	0.00000E+000	1.16345E-006

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		

Terrace Park Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Water Exposed Area	PM10 Reduction	0.00	PM2.5 Reduction	0.00	Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.02	0.00	0.02	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.10	0.03	0.10	0.03	0.00	0.00
Grading	Fugitive Dust	0.07	0.03	0.07	0.03	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.20	0.10	0.20	0.10	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Terrace Park Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.14	4.71	0.44	0.25	4.03
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	-0.01	0.13		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

Terrace Park Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00

Terrace Park Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Commuter	Provide Ride Sharing Program			
	Commuter	Commuter Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		

Terrace Park Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	0.00	20.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Terrace Park Project

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	