City of Sacramento
Active Transportation Commission Report
915 I Street Sacramento, CA 95814
www.cityofsacramento.org

File ID: 2024-01028 5/16/2024 **Discussion Item 6.**

Draft Sacramento Urban Forest Plan Public Release

File ID: 2024-01028

Location: Citywide

Recommendation: Review and comment.

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Attachments:
1-Description/Analysis
2-Draft Sacramento Urban Forest Plan Flyer
3-Priority Intervention Areas Map
4-Policy Framework and Implementation Strategy

Additional Description/Analysis
Issue Detail: The City of Sacramento has released a draft of the Sacramento Urban Forest Plan (SUFP) for public review. The SUFP will be the city's primary planning tool for the protection, expansion, maintenance, sustainability, and enhancement of Sacramento's urban forest.

The draft SUPF was developed through a multi-year, phased planning effort, which corresponded to the timing of Sacramento's 2040 General Plan update. While the 2040 General Plan identifies overarching goals for the urban forest within the context of other City goals and initiatives, the SUFP provides more detailed direction to City Departments for the policies, programs, and implementation actions needed to guide annual work planning towards achievement of the overarching goals. Following the General Plan process and schedule as a Subsequent Project under the Master Environmental Impact Report for the General Plan update, the SUFP has now reached an important milestone with the release of the Sacramento Urban Forest Plan public review draft. The draft SUFP is available for a 60-day public review and comment period from April 26 through June 21. To simplify the collection and processing of feedback on the public review draft, the project team has created an

online self-guided workshop. The draft Sacramento Urban Forest Plan and the online self-guided workshop are available on the project website: www.cityofsacramento.gov/sactreeplan. Public comments may be submitted at any time during the public review period. Questions can be submitted via email at urbanforestplan@cityofsacramento.org.

Policies and recommendations within the draft Sacramento Urban Forest Plan that are specific to the Active Transportation Commission's preview include:

1.1.1 The City shall strive to achieve a minimum average City-wide tree canopy of 25 percent by 2030 and 35 percent by 2045.

A. To this end, the City shall aim for the following minimum City-wide 2045 canopy coverage goals in its planning, restoration, and urban forest implementation efforts.

- Residential neighborhoods: 40 percent
- ***Streets and sidewalks: 50 percent***
- Parking lots: 50 percent
- Commercial and mixed-use areas: 25 percent
- Industrial areas: 20 percent
- Public facilities and parks: maximize tree canopy based on usable space.

1.1.3 Continue to operate a street tree planting program.

A. Maintain optimum stocking density along City right-of-way.

B. Strive to replace removed trees within a maximum of two years.
C. Incorporate street tree plantings into new development.

D. Where feasible, incorporate street tree planting into complete street transformations for corridors developed without planting strips.

1.2.1 Amend Sacramento City Code as necessary to improve tree canopy inclusion and require minimum levels of tree planting in development projects. Review the following topics at a minimum:

A. Review City Code and Planned Unit Development Guidelines for opportunities to add requirements for trees in setback areas, particularly located to shade

sidewalks, bikeways and streets based on minimum canopy goals, particularly in new single-unit dwelling developments/subdivisions;

B. Opportunities to provide incentives or requirements for inclusion of trees in front, back, and side yards;

C. Requiring consideration of tree placement in site plan and design review to maximize energy conservation;

D. Guidance on solar panel installation requirements to minimize potential conflicts with tree plantings;

E. Guidance defining how tree permits for ministerial development project reviews are processed, including timing of tree removal permit application processing and approved tree removals within the review, and permitting process;

F. Guidance on tree selection, prioritizing City-approved tree species that are climate appropriate and more likely to survive projected climatic changes in the Sacramento Valley; and

G. Identify types of commercial and industrial developments with space appropriate for large trees and consider applying a higher level of specificity of tree-related requirements, including but not limited to trees species, mature canopy diameter, and post-construction inspection.

1.2.6 Support the achievement of 50 percent tree shading over streets and sidewalks.

A. Incorporate tree canopy strategies in the Streets for People active transportation plan.

B. Update street standards to optimize tree canopy and provide solutions for various street functions and conditions.

C. Require street trees on approved private streets unless clearly infeasible. Develop specific conditions under which trees on private streets may be deemed infeasible and plans approved without the inclusion of street trees. If street trees are infeasible, locations within the development shall be identified for inclusion of green space and tree canopy.

D. When planning and implementing complete streets projects, the City will incorporate tree planting with adequate planter space and irrigation as an essential infrastructure element to the extent feasible given physical conditions. Emphasis will be placed on

shading sidewalks and bikeways.

3.4.3 When designing transportation improvements, support the inclusion of adequate tree canopy to provide substantial shade for active transportation infrastructure and support achievement of 50 percent shading on streets and sidewalks.

A. When conducting active transportation audits, identify opportunities to add shade trees on public and private land.

B. Review procedures to ensure that inclusion and preservation of trees are part of transportation planning and projects.

C. To the extent feasible require the inclusion of trees and irrigation in all road diets, transportation Capital Improvement Projects, and private development projects altering the roadway.

D. When conducting active transportation audits, identify opportunities to add shade trees on public and private land.

From the outset of the plan development process, extensive public engagement, diverse community outreach, and the involvement of a Partner Advisory Committee helped ensure the SUFP reflects the needs and desires of the Sacramento community. The initial planning phases included a variety of activities and communication platforms to involve Sacramento's residents, urban forestry advocates, and community groups representing people from across the city.

During the planning process, the project team kept residents, care holders, and community groups engaged through information sharing, consultations on public opinion, collaboration in decision-making, and empowering them to help enhance and protect the urban forest. This comprehensive effort allowed community members to express how trees impact their daily lives, and how they envision the future of Sacramento's urban forest.

Most of the outreach activities were conducted early in the planning and information gathering process in 2018, with some engagement in 2023 during the finalization of the administrative draft plan. Thousands of residents, interested persons, community groups, and city and community leaders shared their diverse insights into the needs, preferences, and priorities for Sacramento's urban forest through the various engagement activities and events. To summarize, the outreach and engagement strategy included:

- Partner Advisory Committee (May-December 2018 & November-December 2024): Developing an urban forest plan not only involves technical analysis and data that can be researched, gathered, and analyzed. Additional information rests in the firsthand

knowledge and experience of various groups and individuals that directly manage trees, engage the community, and complete projects that impact trees. To ascertain this information the City invited leaders from 30 community groups to participate in a Partner Advisory Committee (PAC). City staff convened four meetings with the PAC, including two meetings in the beginning stages of the project development process in 2018 and two more after development of the administrative draft plan in 2023. The PAC provided review and feedback of the findings from the Urban Tree Canopy Assessment and Resource Analysis as well as the Sacramento Urban Forest Plan's goals, policy and program framework, and implementation strategy.

- Survey (August-October 2018): To understand how the Sacramento community thinks and feels about trees, and how these perceptions affect the urban forest, an online survey was utilized to reach a wide array of community members. The survey was available on the Urban Forest webpage section, emailed out via local media, social media, and available at public workshops. The survey was open for 15 weeks, beginning July 26, 2018, and closing November 1, 2018; in total 1,699 people responded. The survey included a series of 13 questions, including questions about public views of the benefits of trees, awareness of the urban forest program, expectations for public tree maintenance and planting, perception of strategies to increase planting trees on private property, and tree education topics.

- Pop-up Workshops (May-December 2018): To ensure that the perspectives of residents from around to city were captured, at least one pop-up workshop was held in each of the eight city council districts. The project team, with support from the Sacramento Tree Foundation, hosted 13 pop-up workshops in 2018. Each pop-up workshop was advertised through the City of Sacramento's Urban Forest Project webpage, as well as through email notifications sent to the project's PAC, through community partner networks, and council members community events and mailing lists. Questions presented at each pop-up workshop were geared toward neighborhood preferences. The results from the pop-up workshops showed that participants were interested in all types of trees and would primarily like to see large and medium trees that provide air quality, shade, and health benefits in their neighborhoods. Participants were also asked where they would like to see more trees planted in their neighborhoods. Most of the locations were on streets, in parks, and at schools.

Major themes and commonalities emerged from the outreach conducted. Participant responses emphasized deep appreciation for Sacramento's urban forest, while calling out critical needs, concerns, and aspirations for the future. There was strong consensus that the city is not appropriately shaded at current trees canopy levels and that there is a need for an ambitious tree canopy goal. Many participants spoke about inequity between neighborhoods in access to tree shade and the importance of stronger policies and enforcement mechanisms for existing policies to achieve

increased canopy cover.

In addition to the community outreach, in depth technical analysis was performed at the outset of the plan development process to help ensure the recommendations in the plan were technically sounds and rooted in existing conditions. The technical analysis phases included:

- Urban Forest Resource Analysis: To understand the structure, function, and value of Sacramento's public trees, the City performed a resource analysis. The resource analysis assessed the City's inventory of City-managed trees in conjunction with i-Tree Streets-a benefit cost modeling software-to examine the composition, canopy cover, age, distribution, condition, and performance of public trees. This analysis also established benchmarks to inform management decisions and assessed the economic value public trees hold.

- Urban Tree Canopy Assessment: To understand City-wide tree canopy, the City performed an Urban Tree Canopy Assessment (UTC) using high resolution aerial imagery and remote-sensing software. The assessment resulted in Geographic Information Systems (GIS) maps detailing the location and extent of existing tree canopy, on both public and private property. The UTC identifies canopy cover and potential plant-able space by zoning type, park land, neighborhood, and community plan area. It also assesses change over time by comparing imagery from 2004 and 2016. The UTC establishes a baseline for monitoring overall tree canopy cover throughout the community, provides a foundation for developing community goals and urban forest policies, and creates a benchmark for measuring the success of long-term planning objectives.

The community priorities and technical analysis of the urban forest have informed the development of four Key Recommendations. The Key Recommendations will guide the way the City manages, invests in, and supports the urban forest. They are meant to be straightforward and responsive to the priorities and vision of Sacramento's urban forest over the next 20 years. These Key Recommendations form the basis for the Policy and Program Framework and the Implementation Strategy which both provide detailed direction to City staff on actions needed to guide annual work planning. The four Key Recommendations include:

1) **Trees and _____:** Trees should be addressed as critical infrastructure that helps support climate adaptation and targeted environmental and public health goals. The co-benefits of trees and other essential community planning efforts can be achieved through strategic planning and policy: trees and development, trees and density, trees and active transportation, trees and solar, trees and energy management, trees and public health.

2) **City of Trees for All:** The SUFP calls for increasing Citywide tree canopy from 19 percent to 35 percent by 2045. To reach that goal, the combined efforts of the City, other agencies, and the public will need to plant and maintain an additional ~25,000 trees per year. Targeting planting efforts in the neighborhoods with the lowest canopy levels, highest heat exposure, and most socio-economically vulnerable residents will ensure that Sacramento can be the City of Trees for all residents and the benefits of trees are shared equitably.

3) **Protect Trees:** Reaching the canopy goal will require protecting existing, healthy trees and ensuring that young trees are able to grow to express their full potential canopy. Sacramento will not be able to reach 35 percent canopy coverage through planting alone; maintaining the existing canopy is key. Strong ordinances, increased enforcement capacity, creative planning, expert tree care, and public-private partnerships are necessary to protect and care for as many trees as possible.

4) **Invest in Canopy:** Increased City funding, staffing, and maintenance capacity is needed to carry out the expanded planting, maintenance, enforcement, and engagement responsibilities necessary to achieve the City-wide tree canopy goal of 35 percent. Associated efforts and investments from private partners and the public will be necessary; the City does not own sufficient plant-able space to reach the community canopy goal alone.

The draft SUFP was developed with the guiding principles of civic pride and community health, resilience to climate change, equity, partnership and engagement, and a community planned for trees. By outlining a feasible approach and realistic projects and programs, the Sacramento Urban Forest Plan provides implementable recommendations that align with the City's core values and goals, and the community's vision for the future.

Policy Considerations: The Draft Sacramento Urban Forest Plan is consistent with the 2040 General Plan. The primary 2040 General Plan policies the Sacramento Urban Forest Plan aligns with are:

ERC-3. A well-maintained, resilient, healthy, expansive, and equitable urban forest for an environmentally sustainable future.

- ERC-3.1. Urban Forest Plan. The City shall maintain and implement an Urban Forest Plan.

- ERC-3.2. Tree Canopy Expansion. The City should strive to achieve a 25

percent urban tree canopy cover by 2030 and 35 percent by 2045. Prioritize tree planting and tree maintenance in areas with the lowest average canopy cover and explore strategies to reduce barriers to tree planting in disadvantaged communities and improve tree health.

- ERC-3.3. Tree Protection. The City shall encourage public agencies and require private development projects to consider alternatives to removals of healthy trees whenever feasible and to evaluate the loner-term consequences of inability to meet tree canopy objectives when conducting project analyses and environmental documents. Ensure adequate protections during construction to protect existing tree roots and structures.

In addition to these primary policies, which provided the core foundation for the Sacramento Urban Forest Plan's development, the Sacramento Urban Forest Plan is also consistent with the following 2040 General Plan policies:

LUP-4.1 Transit-Supportive Development
LUP-5.2 Shopping Centers as Focal Points
LUP-6.5 Established Neighborhoods
LUP-8.1 Unique Sense of Place
LUP-8.5 Development Adjacent to Freeways and Railroad Corridors
LUP-8.9 People-Friendly Design
LUP-8.12 Design of Privately-Developed Public Spaces
LUP-8.14 Streetscape Beautification
LUP-A.10 Planning and Development Code Update
ERC-2.3 Onsite Preservation
ERC-2.4 Native and Climate-Adapted Plants
ERC-3.4 Private Streets
ERC-3.5 Tree List
ERC-3.6 Urban Forest Maintenance
ERC-3.7 Trees of Significance
ERC-3.8 Public Education
ERC-3.9 Watering and Irrigation
ERC-3.10 Parking Lot Shading
ERC-3.11 Planting
ERC-A.1 Urban Forest Plan
ERC-A.2 Tree Education
ERC-A.4 Heat Reduction in the Public Realm
ERC-A.5 Bus Shelter Design
ERC-A.7 Cooling Landscape Standards
ERC-A.9 Minimum Tree Requirements

ERC-A.10 Parking Lot Shading Ordinance
FB-ERC-1 Tree Planting and Maintenance
EJ-1.3 Data-Informed Efforts
EJ-3.4 Healthy Environment
AA-EJ-1 Tree Planting in Parking Lots
NS-EJ-2 Tree Planting
M-1.32 Supportive Infrastructure in the Public Right-of-Way
M-3.1 Local Streets
M-3.2 Street Design
NS-M-1 Street Extensions
YPRO-1.20 Climate Resilient Design

Environmental Considerations: The informational update in this report is not a project under the California Environmental Quality Act (CEQA), because it is an administrative activity that does not involve any commitment to a specific project which may result in a potentially significant physical impact on the environment, as contemplated by Title 14, California Code of Regulations, Sections 15378(b)(2) and is, therefore, not subject to CEQA pursuant to CEQA Guidelines Section 15060(c)(3). A Master EIR was prepared for the 2040 General Plan. The Sacramento Urban Forest Plan is one of the subsequent projects of the 2040 General Plan Master EIR and will be reviewed in accordance with CEQA Guidelines section 15183 prior to adoption.

Sustainability: Policies pertaining to sustainability have been incorporated into the Draft Sacramento Urban Forest Plan.

Commission/Committee Action: None.

Rationale for Recommendation: Staff are requesting the Active Transportation Commission’s help in providing feedback on Policy recommendation within the SUFP related to active transportation and sharing the information regarding the release of the draft Sacramento Urban Forest Plan.

Sacramento Urban Forest Plan

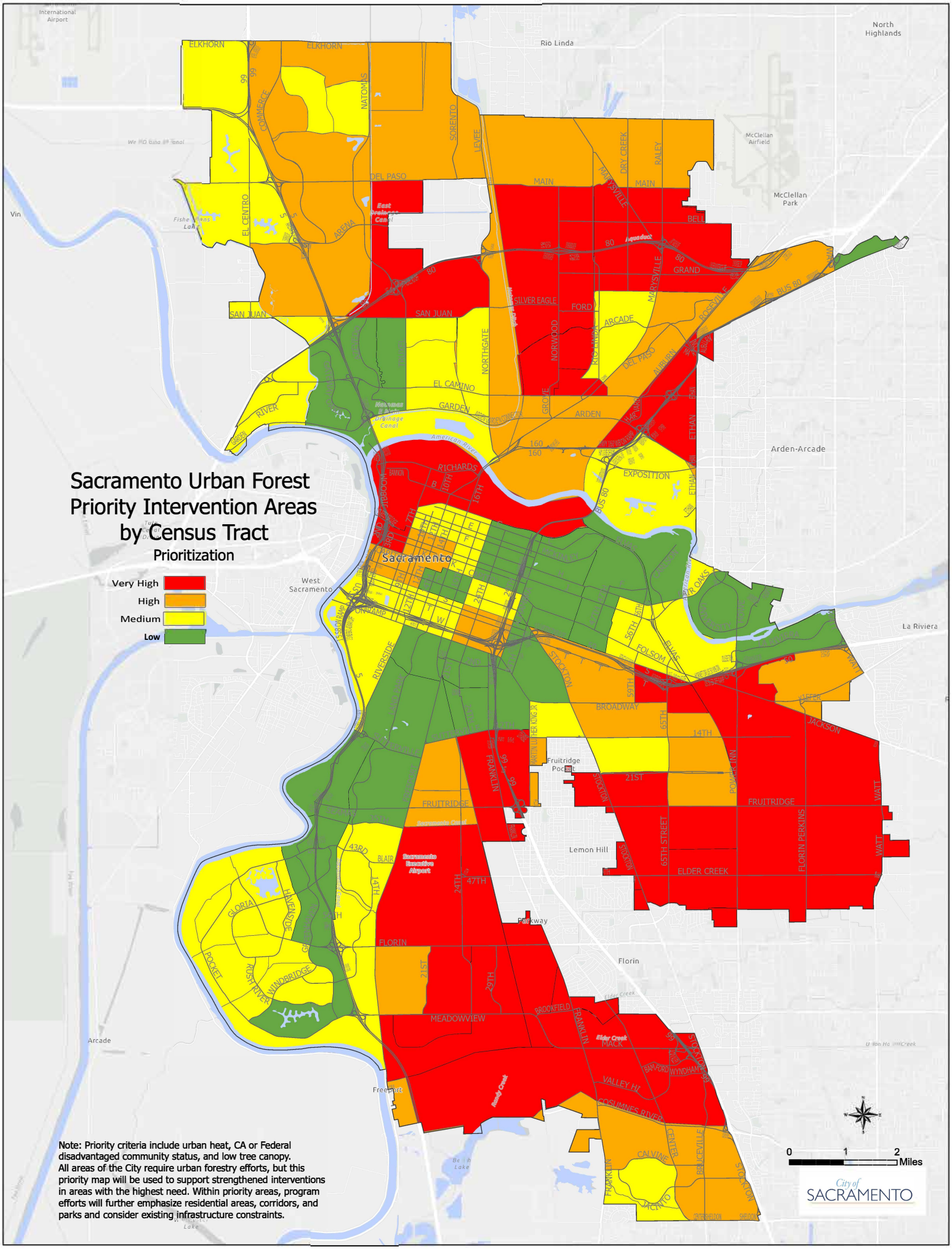
DRAFT PLAN IS HERE!

The Urban Forest Plan is the City's primary planning tool for Sacramento's urban forest. Learn about the City's goals, policies, and actions to protect and enhance City wide tree canopy.

THE CITY WANTS TO HEAR FROM YOU!

cityofsacramento.gov/sactreeplan
urbanforestplan@cityofsacramento.org

City of SACRAMENTO


Sacramento Urban Forest
Priority Intervention Areas
by Census Tract
Prioritization
Very High
High
Medium
Low
Note: Priority criteria include urban heat, CA or Federal disadvantaged community status, and low tree canopy. All areas of the City require urban forestry efforts, but this priority map will be used to support strengthened interventions in areas with the highest need. Within priority areas, program efforts will further emphasize residential areas, corridors, and parks and consider existing infrastructure constraints.
0
1
2
Miles
City of SACRAMENTO
Sacramento
West Sacramento
Arden-Arcade
Rio Linda
North Highlands
McClellan Park
Florin
Lemon Hill
Fruitridge Pocket
Arcade
Freeport
La Riviera

Policy and Program Framework

Sacramento City Hall

The Sacramento Urban Forest Plan outlines a comprehensive framework to align urban forestry policies and programs with the City's land use, climate, health, transportation, and equity goals.

Based on assessment of the urban forest and professional and community input, the goals, policies, and implementation strategies identified in this Policy and Program Framework are grounded in the following vision and guiding principles.

VISION

The City of Sacramento, together with community investment and involvement, will reinforce Sacramento's legacy as the "City of Trees". The City will address historic inequity in access to nature, and prioritize the sustainable management and expansion of the urban tree canopy to provide extensive benefits and reprieve from the impacts of climate change for generations of Sacramentans to come.

GUIDING PRINCIPLES

Identified with collaborative input from community stakeholders, the following guiding principles established the foundation on which all Goals, Strategies, Policies, and Implementation Actions included in the SUFP were developed.

> **Civic Pride and Community Health:**
Sacramento's urban forest is essential to the city's identity, livability, and community health.

> **Resilience to Climate Change:**
Preserving, strengthening, and adapting the urban forest is a critical strategy in responding to climate change.

> **Equity:**
All communities are entitled to the same access to tree canopy and its benefits. Inequities in tree canopy must be addressed.

> **Partnership and Engagement:**
The urban forest is a community resource, and urban forest programs and priorities need to be achieved through collaboration and shared responsibility between the City, community members, and external partners.

> **Planned-for Trees:**
Incorporating tree canopy into development is a priority, to allow trees to grow to maturity without interfering with adjacent infrastructure and contribute to canopy cover goals.

GOALS & STRATEGIES

The Policy and Program Framework and Implementation Strategy are both based on the following five goals for the urban forest. Each goal is accompanied by a series of strategies, which are required to achieve it.

Goal 1: GROW

Grow the urban forest through new plantings to support livable neighborhoods, mitigate the impacts of climate change and reinforce the City's legacy as the "City of Trees."

Strategies:

1. Expand Canopy
2. Plan for Trees
3. Canopy Equity

Goal 2: STEWARD

Steward the City's existing trees to preserve canopy and protect the urban forest from biological and cultural threats and loss.

Strategies:

1. Canopy Resilience
2. Native Forest Resilience
3. Tree Protection

Goal 3: MANAGE

Manage the urban forest through coordinated planning, design, and maintenance to ensure its long-term health and sustainability.

Strategies:

1. Organizational Best Practices
2. Manage Risk
3. Regular Maintenance
4. Enforce Standards
5. Manage for Co-benefits

Goal 4: ENGAGE

Engage, educate, and coordinate with community members, public agencies, partners, and private businesses to care for and grow the urban forest.

Strategies:

1. Community Engagement
2. Partner Coordination
3. Youth Engagement
4. Workforce Development

Goal 5: SUSTAIN

Sustain the growth, development, and continuity of city urban forest programs through dedicated funding and innovation.

Strategies:

1. Program Funding
2. Incentive Programs
3. Innovation

Grow

Goal 1: Grow the urban forest through new plantings to support livable neighborhoods, protect residents and visitors from the impact of climate change, and reinforce the City's legacy as the "City of Trees."

Strategy 1.1 Expand Canopy

Increase the current levels of canopy to maximize the benefits of the urban forest.

Policies + Implementation Actions

1.1.1 The City shall strive to achieve a minimum average City-wide tree canopy of 25 percent by 2030 and 35 percent by 2045.

A. To this end, the City shall aim for the following minimum City-wide 2045 canopy coverage goals in its planning, restoration, and urban forest implementation efforts.

- Residential neighborhoods: 40 percent
- Streets and sidewalks: 50 percent
- Parking lots: 50 percent[79]
- Commercial and mixed-use areas: 25 percent
- Industrial areas: 20 percent
- Public facilities and parks: maximize tree canopy based on usable space.

B. These goals will help drive land use and planning standards and decisions. The City will prioritize efforts and programs for more tree planting in those areas substantially below these goals, particularly in disadvantaged communities, and where heat island effects are greatest.

1.1.2 Establish a parks tree planting program.

A. Maximize trees within new parks' plans to the extent feasible while providing for other desired recreational amenities.

B. Increase tree planting in passive recreation and landscape areas within existing parks that can accommodate more new trees.

C. Prioritize tree plantings and installing appropriate irrigation in parks and public spaces in communities where tree canopy coverage is low to provide greater access to greenery and shade.

D. Identify funding to establish a consistent tree planting, irrigation, and tree replacement program for parks.

[79] In some instances, shading may be accomplished through installation of carports and/or overhead solar arrays or other efforts that have sustainability benefits.

1.1.3 Continue to operate a street tree planting program.

A. Maintain optimum stocking density along City right-of-way.

B. Strive to replace removed trees within a maximum of two years.

C. Incorporate street tree plantings into new development.

D. Where feasible, incorporate street tree planting into complete street transformations for corridors developed without planting strips.

Strategy 1.2 Plan for Trees

Incorporate trees into all levels of planning and development to ensure existing trees are preserved, an adequate number of new trees are planted to reach canopy goals, and that trees can grow to maturity without interfering with adjacent infrastructure.

Policies + Implementation Actions

1.2.1 Amend Sacramento City Code[80] as necessary to improve tree canopy inclusion and require minimum levels of tree planting in development projects. Review the following topics at a minimum:

A. Review City Code and Planned Unit Development Guidelines for opportunities to add requirements for trees in setback areas, particularly located to shade sidewalks, bikeways and streets based on minimum canopy goals, particularly in new single-unit dwelling developments/subdivisions

B. Opportunities to provide incentives or requirements for inclusion of trees in front, back, and side yards;

C. Requiring consideration of tree placement in site plan and design review to maximize energy conservation;

D. Guidance on solar panel installation requirements to minimize potential conflicts with tree plantings;

E. Guidance defining how tree permits for ministerial development project reviews are processed, including timing of tree removal permit application processing and approved tree removals within the review, and permitting process;

F. Guidance on tree selection, prioritizing City-approved tree species that are climate-appropriate and more likely to survive projected climatic changes in the Sacramento Valley; and

G. Identify types of commercial and industrial developments with space appropriate for large trees and consider applying a higher level of specificity of tree-related requirements, including but not limited to trees species, mature canopy diameter, and post-construction inspection.

[80] Review and amendment of Sacramento City Code shall include Title 17 Planning and Development Code and Title 12 Streets, Sidewalks and Public Places code. (https://library.qcode.us/lib/sacramento_ca/pub/city_code)

1.2.2 Review and update design guidelines and development standards to support achievement of minimum canopy goals, outlined in strategy 1.1.1, and maximize benefits.

A. Trees should be provided with adequate growing space, aligned to reduce building heat and to shade public walkways to the extent feasible.

B. Require adequate soil treatment and space in plantings to ensure long term success.

C. Identify appropriate long-term irrigation solutions. Include tertiary treated water and/or water re-use for new plantings on city property where feasible.

D. Plant the right tree, in the right place, for the right reason. When planting trees or preparing or approving tree plans, require adequate space and appropriate species for the location. Incorporate shade trees as street trees to the extent feasible.

E. Identify appropriate recommendations for tree height and placement to avoid conflicts with pedestrian scale lighting and signage.

1.2.3 Encourage development plans to meet minimum canopy goals, identified in strategy 1.1.1, within 15 years.

A. Identify and implement methods to include tree canopy assessment and recommendations in the development review process. Enact new review fees as necessary to address this requirement.

B. In development plans where there is not adequate space to allow for trees on individual lots, strategies such as plazas, paseos, parks, and robust street tree programs should be utilized to meet canopy goals.

C. When development is proposed with no or limited trees due to the level of lot coverage or other conditions, identify how and where occupants or users will access trees or other shading and employ adequate shading mitigations.

D. Develop a calculator tool to help determine canopy potential for development projects.

E. Identify and establish metrics, processes, and fees to begin monitoring, tracking, and reporting on number of trees planted in new development, average future canopy predicted, and trees removed.

1.2.4 Develop mechanisms that require or incentivize preservation of existing trees during site development when feasible.

A. Provide maximum flexibility in development standards to preserve existing trees and promote improved future tree canopy levels, especially for residential urban infill projects.

B. Continue to ensure Chapter 12.56 of City Code is enforced for all tree removals associated with development projects requiring ministerial review.

1.2.5 Identify strategies to strengthen implementation of the Parking Lot Shading Ordinance and Parking Lot Shading Design and Maintenance Guidelines to support achievement of a minimum of 50 percent shading within 15 years.

A. Review and amend Chapter 17.612.040 of City Code Tree Shading Requirements for Parking Lots and Parking Lot Shading Design and Maintenance Guidelines to ease compliance, improve site plan review, climate-resilient tree selection, inspection, and monitoring, and strengthen requirements for ongoing maintenance and replacement of parking lot trees.

B. Identify when and how shading requirements may be satisfied through alternate methods such as canopies and solar arrays.

C. Develop resources to strengthen monitoring and enforcement of the Parking Lot Shade Ordinance after parking lots are completed.

D. Develop an inventory of parking lots that are subject to the parking lot shade ordinance to aid in monitoring and enforcement efforts.

E. Explore amending Chapter 12.56 of City Code to include required parking lot trees under the definition of private protected trees.

F. Pursue opportunities, including grant funding and partnerships, to add trees in existing parking lots that have no or limited tree canopy. These efforts shall focus on disadvantaged neighborhoods, particularly those with the greatest heat island impacts.

1.2.6 Support the achievement of 50 percent tree shading over streets and sidewalks.

A. Incorporate tree canopy strategies in the *Streets for People* active transportation plan.

B. Update street standards to optimize tree canopy and provide solutions for various street functions and conditions.

C. Require street trees on approved private streets unless clearly infeasible. Develop specific conditions under which trees on private streets may be deemed infeasible and plans approved without the inclusion of street trees. If street trees are infeasible, locations within the development shall be identified for inclusion of green space and tree canopy.

D. When planning and implementing complete streets projects, the City will incorporate tree planting with adequate planter space and irrigation as an essential infrastructure element to the extent feasible given physical conditions. Emphasis will be placed on shading sidewalks and bikeways.

1.2.7 Ensure the successful establishment of trees incorporated into development.

A. Developers will be responsible for planting required trees and ensuring health and survival for those trees using landscape warranty conditions where feasible and identifying the party responsible for tree maintenance and establishment when their obligation ends.

B. Developers shall use healthy trees and responsible irrigation practices in planting efforts to promote success and reduce young tree mortality.

C. Trees that are not healthy shall be replaced prior to the completion of the building permit. Explore options to provide for tree warranties on private property after the building permit is completed.

D. Develop resources to broaden the inspections of development projects to include review of compliance with approved landscaping plans, technical planting requirements, and tree health.

Strategy 1.3 Canopy Equity

Seek to address historic inequities, remove barriers to tree adoption, and ensure the urban forest is shared equitably[81] across all communities[82].

Policies + Implementation Actions

1.3.1 Prioritize City planting efforts and implementation of urban forest programs in priority communities.

1.3.2 Support and facilitate canopy expansion efforts on private property across the City with focus in priority communities.

A. Take action to support equitable urban forestry canopy expansion, maintenance, and benefits on private property across all communities and ensure programs are informed by diverse perspectives and focused to address those communities in greatest need.

B. Maximize involvement in urban forestry programs from residents in disadvantaged neighborhoods by enhancing community engagement and available urban forestry programs and resources.

[81] Because equity is a guiding principle of the SUFP, equity-centered policies and implementation actions are also embedded into the other goals and strategies in this plan.

[82] Priority communities for urban forestry programming will be identified through regular assessment of Disadvantaged Community status, urban heat indices, tree canopy percentage, air quality indices, and public health concerns.

Steward

Goal 2: Steward the City's existing trees to preserve canopy and protect the urban forest from biological and cultural threats and loss.

Strategy 2.1 Canopy Resilience

Ensure Sacramento's urban forest is resilient and prepared for the biotic and abiotic[83] impacts of climate change necessary for the longevity and success of the city's trees.

Policies + Implementation Actions

2.1.1 Promote biological diversity in tree species and age for the city's urban forest to maintain resilience.

Strive to ensure that overall City tree planting efforts, including trees planted by the City and trees associated with approved development projects, follow the 10/20/30 rule for species diversity, except in instances when planting native trees for native forest enhancement or reforestation.

2.1.2 Create a master recommended tree list to ensure that all trees planted by the City or associated with approved development projects are suitable for changing climate conditions in Sacramento.

A. Recommended trees shall be used to guide public and private plantings. This list will be modified as conditions change and will identify how trees not on this list will be evaluated for inclusion in City approvals.

B. Continue to support research and partnerships with research institutions to identify tree species that demonstrate substantial adaptability to the impacts of climate change expected in the Sacramento area.

C. Update the recommended tree list to include identifying information about each species to assist in proper tree selection, include characteristics such as amount of shade cover provided, size of planter needed, soil conditions needed, water use needs, and carbon sequestration capabilities.

D. Include native trees on the master recommended tree list and identify appropriate use cases.

2.1.3 Continue to monitor and identify pest threats and take preventative actions to anticipate threats and minimize potential impacts.

[83] Biotic factors are living things with an ecosystem (ex: plants, animals, bacteria); Abiotic factors are non-living components in an ecosystem (ex. water, soil, atmosphere).

Strategy 2.2 Native Forest Resilience

Conserve native oaks and woodlands as a valuable tool for climate adaptation that can address the twin crises of climate change and biodiversity loss.

Policies + Implementation Actions

2.2.1 Preserve native trees, woodlands, native species, and riparian areas to the extent feasible in recognition of their ties to the area's natural history, ability to sustain ecosystems, and adaptation to Sacramento's hot and dry climate.

2.2.2 Incorporate native plantings into the urban forest and parks when appropriate and to the extent feasible.

When planting native trees for native forest enhancement or reforestation, select species based on ecological appropriateness instead of adhering to the 10/20/30 rule for species diversity.

2.2.3 Advocate for regional forest corridors to facilitate adaptation and migration of native tree species and wildlife.

Explore developing and adopting a natural area plan in coordination with other agencies in the region.

Strategy 2.3 Tree Protection

Preserve existing tree canopy and healthy mature trees[84] as vital for maintaining current canopy levels, meeting canopy goals, and adapting to climate change. Enforce tree protection standards to better protect the urban forest from loss of existing trees.

Policies + Implementation Actions

2.3.1 Preserve mature trees in development to the extent feasible.

A. Support preservation of healthy trees in the City's regulations and discretionary decisions for new development and redevelopment.

B. Require development projects to consider alternatives to removal of healthy trees and only consider removals of healthy, mature trees when alternatives to removal prove infeasible.

C. Consider long-term energy and economic benefits of tree inclusion against reductions in initial development costs when assessing development proposals.

D. Design public projects to avoid the removal of or damage to city trees to the extent feasible.

[84] For this policy document, mature trees are defined using the definition of private protected trees within Chapter 12.56 of City Code.

2.3.2 Protect existing trees during construction.

A. Require adequate protection during construction to protect existing tree roots and structure.

B. Develop a tree protection manual for construction projects.

2.3.3 Require mitigation for tree removal to include onsite or offsite plantings and/or tree removal fees.

A. Support opportunities to allow for mitigation in priority communities.

2.3.4 Encourage appropriate watering and irrigation practices to minimize water use while supporting healthy tree growth.

A. Support initiatives that encourage other entities and private property owners to practice responsible tree irrigation during droughts to minimize tree stress and loss.

B. Upgrade or supplement irrigation in parks and streetscapes where needed to support appropriate tree watering practices.

2.3.5 Assess the success of objectives and enforcement of the City's Tree Ordinance (City Code Chapter 12.56) to encourage the preservation and care of private protected trees.

A. Take action as necessary to strengthen enforcement of tree regulations and requirements.

B. Regularly assess fines for violations, especially for repeat offenders.

C. Develop educational materials to promote tree protection ordinance and increase community awareness about tree protection requirements, particularly to landscape and tree care companies.

D. Require tree removals that are a part of private development projects or City projects be approved by the hearing body as a part of project approval.

2.3.6 Support the use of proper pruning techniques on privately maintained trees.

A. Provide education to support appropriate pruning practices on privately maintained trees and trees maintained by other agencies.

B. Encourage use of certified arborists for guidance on tree care and maintenance.

Manage

Goal 3: Manage the urban forest through coordinated planning, design, and maintenance to ensure its long-term health and sustainability.

Strategy 3.1 Organizational Best Practices

Seek to include necessary resources to manage city trees at a sustainable level.

Policies + Implementation Actions

3.1.1 Employ professional urban forest staff and rely on urban forestry best management practices.

A. Seek to maintain adequate and qualified urban forestry staffing and supporting contracts to appropriately maintain City trees and provide high levels of customer service.

B. Maintain a high level of professionalism by requiring certified arborists and adherence to professional standards and best urban forest management practices for decision making, maintenance, care, and planting of trees under City authority.

3.1.2 Strengthen collaboration and support between all City departments that manage trees.

A. Coordinate an internal working group with key staff from relevant departments and divisions.

3.1.3 Conduct annual reporting on the urban forest plan to ensure progress toward goals and appropriate resource allocation.

A. Assess the urban forest program staffing levels, funding allocation and utilization, status of SUFP objectives, and tree planting and removal activities.

B. Provide an annual update to the City Council.

3.1.4 Strive to perform regular 5-year updates to the Urban Forest Plan and canopy cover assessment and analysis reports.

A. Strive to perform a canopy cover assessment aligned with the CAAP update greenhouse gas inventory.

B. Explore funding to support SUFP and canopy cover assessment and analysis report updates.

Strategy 3.2 Manage Risk

Utilize tree risk management policies, procedures, and practices to minimize the risk of injury and property damage.

Policies + Implementation Actions

3.2.1 Rely on industry best management practices for pest control, disease prevention, and hazard mitigation measures in urban environments in treatment of City-managed trees.

A. Require regular disease and pest training for City urban forestry staff.

B. Continue to monitor City-managed trees for signs of emergent pests and diseases and take proactive measures to address threats.

C. Continue to monitor and address as necessary City-managed trees that have structural deficiencies, disease, or may cause harm.

3.2.2 Maintain and implement emergency response plans for storm events that result in tree loss and damage.

3.2.3 Minimize future damage or conflict by planning for trees as a part of infrastructure.

A. Require proper planting space and tree selections to minimize conflicts and damage to infrastructure assets, including sidewalks, overhead lines, underground utilities, and solar panels.

Strategy 3.3 Regular Maintenance

Perform regular maintenance on City trees to improve the health, longevity, safety, and functional capacity of the urban forest.

Policies + Implementation Actions

3.3.1 Continue to operate a proactive tree maintenance program to preserve and protect City-managed trees.

A. Strive to achieve a 5-year maintenance pruning cycle.

3.3.2 Update and regularly maintain a comprehensive inventory of all City-managed trees.

A. Integrate inventories across City departments into one central inventory.

B. Perform a comprehensive inventory update to capture all street trees, park trees, trees on City-managed facilities, and vacant planting stalls.

C. Implement procedures to regularly incorporate new plantings, tree removals, and tree maintenance into the inventory on an on-going basis.

D. Explore coordination and integration of inventories with other public agencies with land in the city limits, including but not limited to the State of California, County of Sacramento, UC Davis, Sacramento State, Los Rios Community College District, public school districts, and public utilities.

Strategy 3.4 Manage for Co-benefits

Plan to maximize the co-benefits of the urban forest throughout trees' full life cycle.

Policies + Implementation Actions

3.4.1 Support tree reuse efforts within the City to extend the life cycle of trees.

A. When large trees need to be removed as a part of a Capital Improvement Project or private development, identify options for the highest and best use of the wood, including urban lumber or mulching programs.

3.4.2 Explore opportunities to leverage the benefits of trees to retain stormwater runoff.

A. Identify opportunities to incorporate trees into stormwater runoff systems.

3.4.3 When designing transportation improvements, support the inclusion of adequate tree canopy to provide substantial shade for active transportation infrastructure and support achievement of 50 percent shading on streets and sidewalks.

A. When conducting active transportation audits, identify opportunities to add shade trees on public and private land.

B. Review procedures to ensure that inclusion and preservation of trees are part of transportation planning and projects.

C. To the extent feasible require the inclusion of trees and irrigation in all road diets, transportation Capital Improvement Projects, and private development projects altering the roadway.

D. When conducting active transportation audits, identify opportunities to add shade trees on public and private land.

Engage

Goal 4: Engage, educate, and coordinate with community members, public agencies, partners, and private businesses to care for and grow the urban forest.

Strategy 4.1 Community Engagement

Support community advocacy for and involvement in the urban forest.

Policies + Implementation Actions

4.1.1 Recognize and promote the city's urban forest.

A. Annually celebrate Arbor Day to promote awareness of the city's tree canopy and benefits.

B. Annually maintain the City's status as a Tree City USA[85].

C. Promote the City of Sacramento's urban forest nationally and internationally to encourage visitors and tourism.

4.1.2 Conduct City-wide urban forest public outreach and education.

A. Inform and educate residents about the urban forest, City-maintained tree operations and maintenance, available tree planting and water-wise irrigation programs, and opportunities to support the urban forest.

B. Develop informational materials to provide to homeowners, tenants, and business owners to support tree canopy, including but not limited to the following topics:

- Information on tree benefits, planting guidance, tree selection and care, available programs, and water-wise irrigation.
- Information about tree species that are adapted to Sacramento's climate and resilient to drought and climate change.
- Guidance on tree planting to maximize building energy conservation.
- Guidance to plant and maintain healthy trees in parking lots.
- Options and strategies to convert paved areas to tree planting areas.

C. Update the City's urban forestry website to improve available information and references to tree partners and opportunities.

D. Target public outreach in disadvantaged, high heat, and low-canopy neighborhoods.

E. Identify opportunities to provide translated and/or bilingual outreach and education materials.

F. Develop partnerships with community-based organizations to strengthen multi-lingual and culturally appropriate engagement.

[85] Tree City USA is a recognition earned from the Arbor Day Foundation through demonstrated commitment to trees. (https://www.arborday.org/programs/treecityusa/)

4.1.3 Encourage active participation by residents in the development and promotion of a sustainable urban forest.

A. Establish a tree ambassador program.

B. Provide and support educational events about the benefits of trees, proper irrigation and water use, and tree care and pruning.

C. Encourage and support community tree planting, volunteer, and community forestry efforts of other agencies and partners.

D. Target City-led community tree planting events and volunteer opportunities in disadvantaged, high heat, and low-canopy neighborhoods.

Strategy 4.2 Partner Coordination

Facilitate coordination, involvement, and commitment from all entities that own, control, regulate, or affect the urban forest.

Policies + Implementation Actions

4.2.1 Continue existing partnerships and establish new partnerships.

A. Strengthen partnerships with other agencies, organizations, contractors, and public utilities whose activities impact trees through regular dialogue and project coordination.

B. Establish new partnerships and memoranda of understanding with partners to deliver tree planting, maintenance, and education projects and reach City tree program goals.

C. Collaborate with groups such as the Sacramento Metropolitan Air Quality Management District, Sacramento Municipal Utility District, State of California, Sacramento County, Los Rios Community College District, K-12 school districts, Tribes, Sacramento Tree Foundation, environmental groups, community and neighborhood associations, business and property improvement districts, and other agencies and organizations to expand tree planting, preservation, and care programs throughout the city.

4.2.2 Support and encourage businesses to increase tree canopy.

A. Work with businesses and property improvement districts to incorporate and add trees to business corridors, streets, and parking lots.

B. Explore incentives and other programs to encourage the addition of trees to commercial properties and parking lots.

C. Develop and implement a pilot program to retrofit existing low canopy parking lots to increase tree canopy and reduce urban heat.

4.2.3 Strengthen partnerships with entities in disadvantaged and low tree canopy neighborhoods.

A. Build and strengthen partnerships with community-based organizations, businesses, non-profits, neighborhood groups, faith-based organizations, and other entities within or that serve disadvantaged, low tree canopy, and high heat neighborhoods to promote and expand access to urban forest programs.

4.2.4 Support science-based urban forest decision making among partners.

A. Encourage other agencies and utilities that govern tree removal, maintenance, policies, and/or restrictions to ensure these decisions are based in ecological and science-based information and balance decisions for tree removal or restrictions with longer-term environmental consequences.

Strategy 4.3 Youth Engagement

Cultivate youth engagement in the urban forest to continue Sacramento's legacy of tree stewardship.

Policies + Implementation Actions

4.3.1 Support opportunities for youth leadership in urban forest programs.

A. Sponsor and support youth leadership efforts and programs around tree planting and care.

B. Partner with the Youth Commission and YPCE Youth Division to take a leadership role in promoting planting programs, developing efforts to increase access to trees in disadvantaged communities, and training youth "tree stewards" within the community.

C. Provide seed funding as needed to support urban forest youth leadership programs.

4.3.2 Increase youth tree literacy and access to trees.

A. Partner with schools to increase trees, tree maintenance, and irrigation on school grounds.

B. Partner with schools to offer tree care curriculum and programs.

Strategy 4.4 Workforce Development

Advance career pathways in urban forestry.

Policies + Implementation Actions

4.4.1 Promote workforce development programs for tree care professions as a critical component of green industry.

A. Explore developing and facilitating tree care apprenticeship programs in the city with local tree care companies, certified arborists, workforce development organizations, and educational institutions.

B. Coordinate with the Landscape and Learning program[86], local high schools, and community colleges to promote careers in tree care.

C. Identify opportunities to utilize workforce development programs, such as the regional and state conservation corps, in City urban forest efforts.

4.4.2 Build workforce pipelines from Sacramento's historically under-employed and low-income neighborhoods into the City's urban forest workforce.

A. Strengthen partnerships and training opportunities to offer pre-employment training, job placement support, and advertisement to increase awareness about career pathways into urban forestry.

B. Prioritize outreach for workforce development programs to Sacramento's historically under-employed and low-income neighborhoods to facilitate entry into well-paying urban forestry careers.

[86] https://www.cityofsacramento.org/ParksandRec/Youth-Division/Youth-Employment/LandscapeAndLearning

Sustain

Goal 5: Sustain the growth, development, and continuity of City urban forest programs through dedicated funding and innovation.

Strategy 5.1 Program Funding

Pursue sustainable funding to support the ambitious canopy and program goals within this Plan.

Policies + Implementation Actions

5.1.1 Perform a cost analysis to determine the projected cost to meet the tree planting and maintenance targets identified in the Urban Forest Plan to reach 35 percent canopy cover by 2045.

5.1.2 Pursue an increase in dedicated long-term funding to provide an increased level of tree canopy, perform associated care and maintenance, and expand core urban forestry services and programs.

A. Provide information on the level of funding and staff needed to ensure adequate maintenance of City-managed trees to meet professional standards, including five-year maintenance cycle for all City trees and regular maintenance of the City inventory and to address additional trees and canopy levels.

B. Develop a cohesive funding program for tree planting and irrigation within City parks.

5.1.3 Pursue grant funding to promote tree planting and partner engagement.

A. Whenever feasible, seek grant funding for programs to promote tree planting efforts, public-private partnerships, workforce development, community education, street tree expansion, and parking lot greening.

5.1.4 Optimize existing funding sources to meet canopy and management goals.

A. Assess current processes and fees to identify improvements to better achieve objectives.

5.1.5 Explore new funding sources.

A. Explore opportunities to utilize taxes, special assessments, and special tax districts to receive dedicated program funding.

B. Explore non-traditional and technology-driven funding techniques, such as donation and gifting programs.

Strategy 5.2 Incentive Programs

Explore incentive programs to reduce barriers to tree planting and care on private property.

Policies + Implementation Actions

5.2.1 Explore providing financial support to residents in disadvantaged communities for tree planting and care.

A. Identify funding options or incentives to support mature tree care, including water use and maintenance costs related to trees.

B. Identify funding options or incentives to reduce barriers to tree planting, including education, support for irrigation installation, and support for maintenance costs.

5.2.2 Explore financial incentives to support residents with mature trees.

A. Investigate potential tax break for properties with City-protected and registered trees.

Strategy 5.3 Innovation

Advance innovative technologies and approaches to support the urban forest.

Policies + Implementation Actions

5.3.1 Support new technologies for tree canopy assessment and planning.

A. Utilize technology that allows for public access to urban forest data and can be easily used by residents and other organizations.

B. Identify innovative tools that allow for improved assessment of urban forest resources and utilize that data to improve program and project planning.

Implementation Strategy


North Sacramento

Implementation of the Sacramento Urban Forest Plan will require participation from multiple departments across the City, other agencies, and key partners. The following section assigns responsibility and a suggested timeframe for implementing the SUFP's strategies, policies, and implementation actions.

Department Key	
PW	Department of Public Works
YPCE	Department of Youth, Parks, and Community Enrichment
CDD	Community Development Department
DOU	Department of Utilities
OIED	Office of Innovation and Economic Development

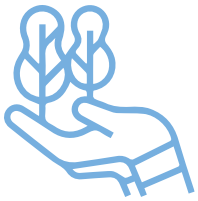
GROW

Grow the urban forest through new plantings to support livable neighborhoods, protect residents and visitors from the impact of climate change, and reinforce the City's legacy as the "City of Trees."

Strategies	Policies + Implementation Actions	Lead	Support	Timeframe
1.1 Expand Canopy: Increase the current levels of canopy to maximize the benefits of the urban forest.	**1.1.1** The City shall strive to achieve a minimum average City-wide tree canopy of 35 percent by 2045.	PW	CDD, YPCE	15–20 years
	1.1.2 Establish a parks tree planting program.	YPCE	PW	0–5 years
	1.1.3 Continue to operate a street tree planting program.	PW		Ongoing

1.2 Plan for Trees: Incorporate trees into all levels of planning and development to ensure existing trees are preserved, an adequate number of new trees are planted to reach canopy goals, and that trees can grow to maturity without interfering with adjacent infrastructure.	**1.2.1** Amend Sacramento City Code as necessary to improve tree canopy inclusion and require minimum levels of tree planting in development projects.	PW, CDD		0–5 years
	1.2.2 Review and update design guidelines and development standards to support achievement of minimum canopy goals and maximize benefits.	CDD	PW	0–5 years
	1.2.3 Encourage development plans to meet minimum canopy goals within 15 years.	CDD	PW	0–5 years
	1.2.4 Develop mechanisms that require or incentivize preservation of existing trees during site development when feasible.	CDD	PW	0–5 years
	1.2.5 Identify strategies to strengthen implementation of the Parking Lot Shading Ordinance and Parking Lot Shading Design and Maintenance Guidelines to support achievement of a minimum of 50 percent tree shading within 15 years.	PW	CDD	0–5 years
	1.2.6 Support the achievement of 50 percent tree shading over streets and sidewalks.	PW	CDD	0–5 years
	1.2.7 Ensure the establishment of trees incorporated into development.	PW	CDD, DOU	0–5 years
1.3 Canopy Equity: Seek to address historic inequities, remove barriers to tree adoption, and ensure the urban forest is shared equitably across all communities.	**1.3.1** Prioritize City planting efforts and implementation of urban forest programs in priority communities.	PW	YPCE	0–5 years
	1.3.2 Support and facilitate canopy expansion efforts on private property across the City with focus in priority communities.	PW	CDD	15–20 years

STEWARD



Steward the City's existing trees to preserve canopy and protect the urban forest from biological and cultural threats and loss.

Strategies	Policies + Implementation Actions	Lead	Support	Timeframe
2.1 Canopy Resilience: Ensure Sacramento's urban forest is resilient and prepared for the biotic and abiotic impacts of climate change necessary for the longevity and success of the city's trees.	**2.1.1** Promote biological diversity in tree species and age for the city's urban forest to maintain resilience.	PW	YPCE, CDD	0–5 years
	2.1.2 Create a master recommended tree list to ensure all trees planted by the City or associated with approved development projects are suitable for changing climate conditions in Sacramento.	PW	CDD, YPCE	0–5 years
	2.1.3 Continue to monitor and identify pest threats and take preventative actions to anticipate threats and minimize potential impacts.	PW		Ongoing
2.2 Native Forest Resilience: Conserve native oaks and woodlands as a valuable tool for climate adaptation that can address the twin crises of climate change and biodiversity loss.	**2.2.1** Preserve native trees, woodlands, native species, and riparian areas to the extent feasible in recognition of their ties to the area's natural history, ability to sustain ecosystems, and natural climate adaptation.	PW	YPCE, CDD	Ongoing
	2.2.2 Incorporate native plantings into the urban forest and parks when appropriate and to the extent feasible.	YPCE		Ongoing
	2.2.3 Advocate for regional forested corridors to facilitate adaptation and migration of native tree species and wildlife.	PW, YPCE	CDD	5–10 years

2.3 Tree Protection: Preserve existing tree canopy and healthy mature trees as vital for maintaining current canopy levels, meeting canopy goals, and adapting to climate change. Enforce tree protection standards to better protect the urban forest from loss of existing trees.	**2.3.1** Preserve mature trees in development to the extent feasible.	CDD	PW	Ongoing
	2.3.2 Protect existing trees during construction.	PW	CDD	0–5 years
	2.3.3 Require mitigation for tree removal to include onsite or offsite plantings and/or tree removal fees.	PW	CDD	Ongoing
	2.3.4 Encourage appropriate water and irrigation practices to minimize needed water use and support healthy tree growth.	PW	YPCE, DOU	Ongoing
	2.3.5 Assess the success of objective and enforcement of the City's Tree Ordinance to encourage the preservation and care of private protected trees.	PW	CDD	0–5 years
	2.3.6 Support the use of proper pruning techniques on privately maintained trees.	PW		0–5 years

MANAGE

Manage the urban forest through coordinated planning, design, and maintenance to ensure its long-term health and sustainability.

Strategies	Policies + Implementation Actions	Lead	Support	Timeframe
3.1 Organizational Best Practices: Seek to include necessary resources to manage City trees at a sustainable level.	**3.1.1** Employ professional urban forest staff and rely on urban forestry best management practices.	PW	CC	Ongoing
	3.1.3 Strengthen collaboration and support between all City departments that manage trees.	PW	CDD, DOU, YPCE	Ongoing
	3.1.4 Conduct annual reporting on the urban forest plan to ensure progress towards goals and appropriate resource allocation.	PW	YPCE, CDD, DOU	Annually
	3.1.5 Strive to perform regular 5-year updates to the Urban Forest Plan and canopy cover assessment and analysis reports.	PW	CDD, YPCE	Every 5 years, aligned with CAAP
3.2 Manage Risk: Utilize tree risk management policies, procedures, and practices to minimize risk of injury and property damage.	**3.2.1** Rely on industry best management practices for pest control, disease prevention, and hazard mitigation measures in urban environments in treatment of City-managed trees.	PW		Ongoing
	3.2.2 Maintain and implement emergency response plans for storm events that result in tree loss and damage.	PW		Ongoing
	3.2.3 Minimize future damage or conflict by planning for trees as a part of infrastructure.	PW, CDD, YPCE		0–5 years

3.3 Regular Maintenance: Perform regular maintenance on City trees to improve the health, longevity, safety, and functional capacity of the urban forest.	**3.3.1** Continue to operate a proactive tree maintenance program to preserve and protect City-managed trees.	PW		Ongoing
	3.3.2 Update and regularly maintain a comprehensive inventory of all City-managed trees.	PW	YPCE, DOU	0–5 years, Ongoing once updated
3.4 Manage for Co-benefits: Plan to maximize the co-benefits of the urban forest throughout trees' life cycle.	**3.4.1** Support tree reuse efforts within the City to extend the life cycle of trees.	PW	YPCE	5–10 years
	3.4.2 Explore opportunities to leverage the benefits of trees to retain stormwater runoff.	DOU	PW	0–5 years
	3.4.3 When designing transportation improvements, support inclusion of adequate tree canopy to provide substantial shade for active transportation infrastructure and support achievement of 50 percent shading on street and sidewalks.	PW		0–5 years

ENGAGE

Engage, educate, and coordinate with community members, public agencies, partners, and private businesses to care for and grow the urban forest.

Strategies	Policies + Implementation Actions	Lead	Support	Timeframe
4.1 Community Engagement: Support community advocacy for and involvement in the urban forest.	**4.1.1** Recognize and promote the city's urban forest.	PW		Annually
	4.1.2 Conduct a City-wide urban forest public outreach and education.	PW		0–5 years
	4.1.3 Encourage active participation by residents in the development and promotion of a sustainable urban forest.	PW	YPCE, DOU	Ongoing
4.2 Partner Coordination: Facilitate coordination, involvement, and commitment from all entities that own, control, regulate, or affect the urban forest.	**4.2.1** Continue existing partnerships and establish new partnerships.	PW		Ongoing
	4.2.2 Support and encourage businesses to increase tree canopy.	PW		0–5 years
	4.2.3 Strengthen partnerships with entities in disadvantaged and low tree canopy neighborhoods.	PW		0–5 years
	4.2.4 Support science-based urban forest decision making among partners.	PW		Ongoing
4.3 Youth Engagement: Cultivate youth engagement in the urban forest to continue Sacramento's legacy of tree stewardship.	**4.3.1** Support opportunities for youth leadership in urban forest programs.	PW		0–5 years
	4.3.2 Increase youth tree literacy and access to trees.	PW		5–10 years

4.4 Workforce Development: Advance career pathways in urban forestry.	**4.4.1** Promote workforce development programs for tree care professions as a critical component of green industry.	PW	YPCE	0–5 years
	4.4.2 Build workforce pipelines from Sacramento's historically under-employed and low-income neighborhoods into the City's urban forest work force.	PW	OIED, YPCE	5 years

SUSTAIN

Sustain the growth, development, and continuity of City urban forest programs through dedicated funding and innovation.

Strategies	Policies + Implementation Actions	Lead	Support	Timeframe
5.1 Program Funding: Pursue sustainable funding to support the ambitious canopy and program goals within this Plan.	**5.1.1** Perform a cost analysis to determine the projected cost to meet the tree planting and maintenance targets identified in the Urban Forest Plan to reach 35 percent canopy cover by 2045.	PW	CDD, DOU, YPCE	0–5 years
	5.1.2 Pursue an increase in dedicated long-term funding to provide an increased level of tree canopy, perform associated care and maintenance, and expand core urban forestry services and programs.	PW	YPCE	0–5 years
	5.1.3 Pursue grant funding to promote tree planting and partner engagement.	PW		Ongoing
	5.1.4 Optimize existing funding sources to meet canopy and management goals.	PW	YPCE, DOU	0–5 years
	5.1.5 Explore new funding sources.	PW		0–5 years
5.2 Incentive Programs: Identify incentive programs to reduce barriers to tree planting and care on private property.	**5.2.1** Explore providing financial support to residents in disadvantaged communities for tree planting and care.	PW	PW	5–10 years
	5.2.2 Explore financial incentives to support residents with mature trees.	PW		5–10 years

5.3 Innovation: Advance innovative technologies and approaches to support the urban forest.	**5.3.1** Support new technologies for tree canopy assessment and planning.	PW		5–10 years