Draft
URBAN FORESTRY MANAGEMENT PLAN

May 8, 2023 Workshop

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PlanIT Geo

Meeting Agenda

- ❑ **Project Background**

- ❑ **Findings & Highlights**

- ❑ **Outreach**

- ❑ **Draft Goals & Strategies**

- ❑ **Next Steps**

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Alignment with City Council Priorities

Climate

- Addresses heat island effect, carbon sequestration and improves water and air quality

Equity

- Ensures that the benefits of trees are distributed equitably throughout the city

Safety

- Improves safety by reducing storm damage, traffic calming and crime reduction
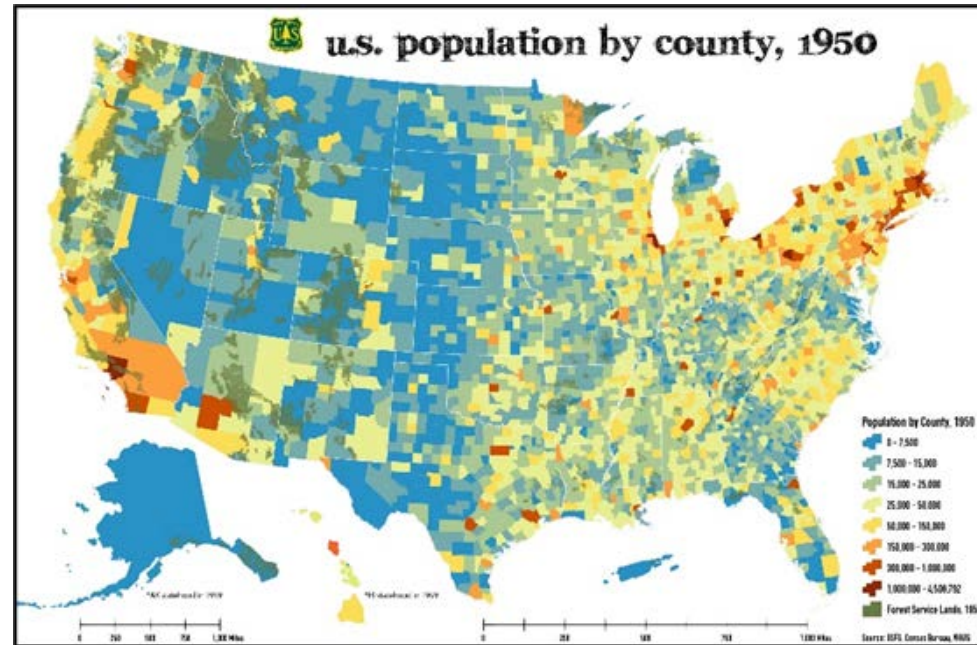
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What are urban forests?

Urban forestry is the study and management of the city's urban forest, which is comprised of the **trees, shrubs and other vegetation in parks, along streets, in yards, on unbuilt properties, and in urban natural areas**

Over 141 million acres of America's forests are located right in our cities and towns.

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Urban Forests

u.s. population by county, 1950

u.s. population by county, 2014

More than 80% of the U.S. population, and more than 50% of all people in the world live in urbanized areas.

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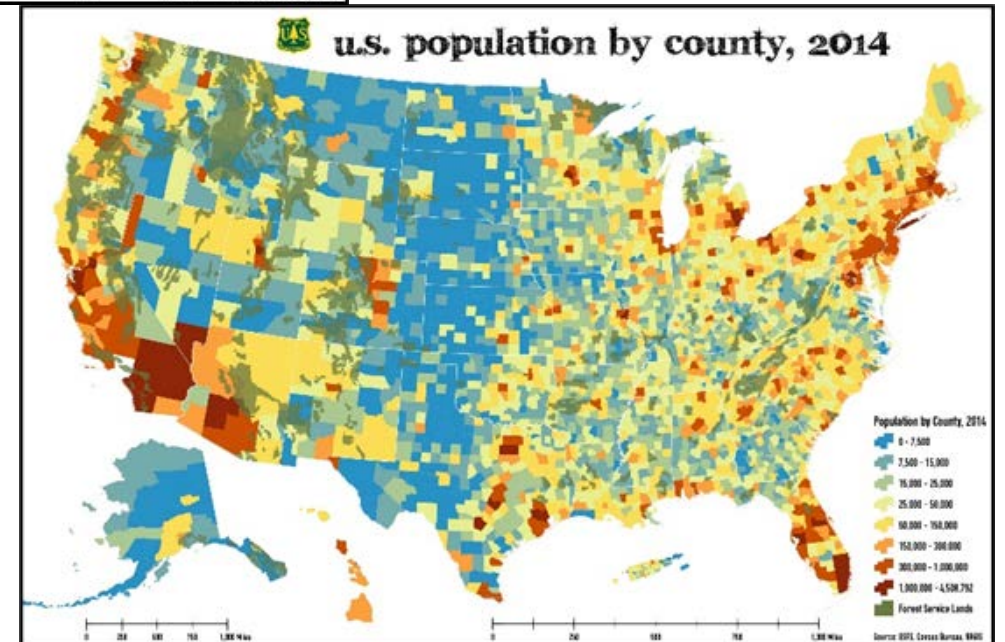
Project Background

Extent

Project Background

Purpose

"Urban trees and forests are considered integral to the sustainability of cities as a whole. Yet, sustainable urban forests are not born, they are made. They do not arise at random, but result from a community-wide commitment to their creation and management."

James Clark et al.: A Model of Urban Forest Sustainability

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Project Background

Context

UFMP
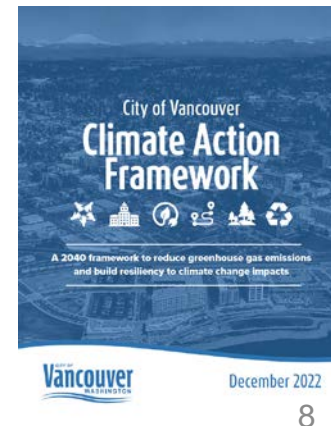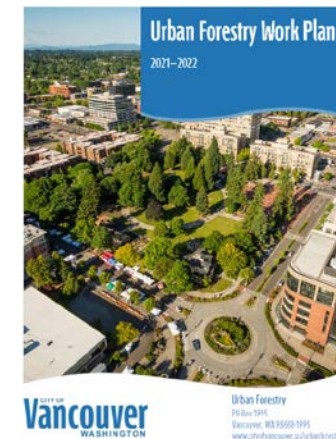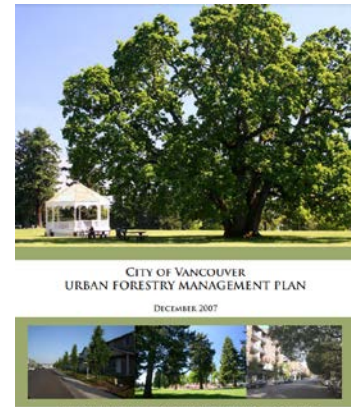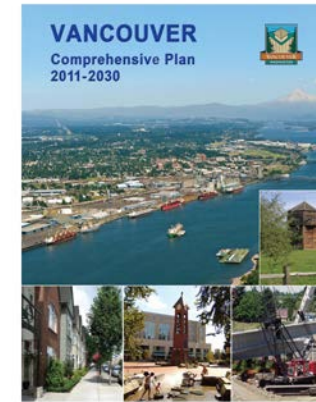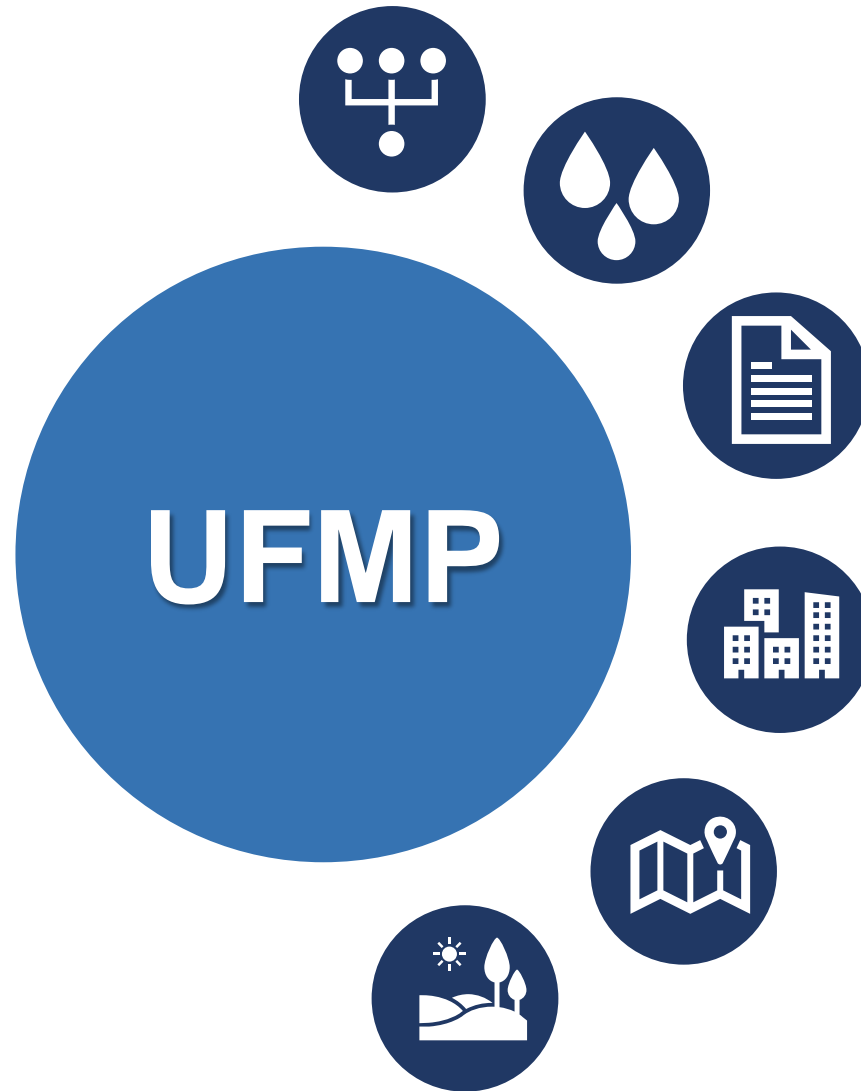
Project Background

Scope & Timeline

UFMP

Research & Analysis
Nov – Dec

Program Operations
Jan – Feb

Current & Future Issues
Jan – Feb

Community Engagement

January – April 2023

Benchmarks & Audit
Feb – Mar

Strategies & Draft Plan
Mar – Apr

Final UFMP & Outreach Strategy
Apr – May

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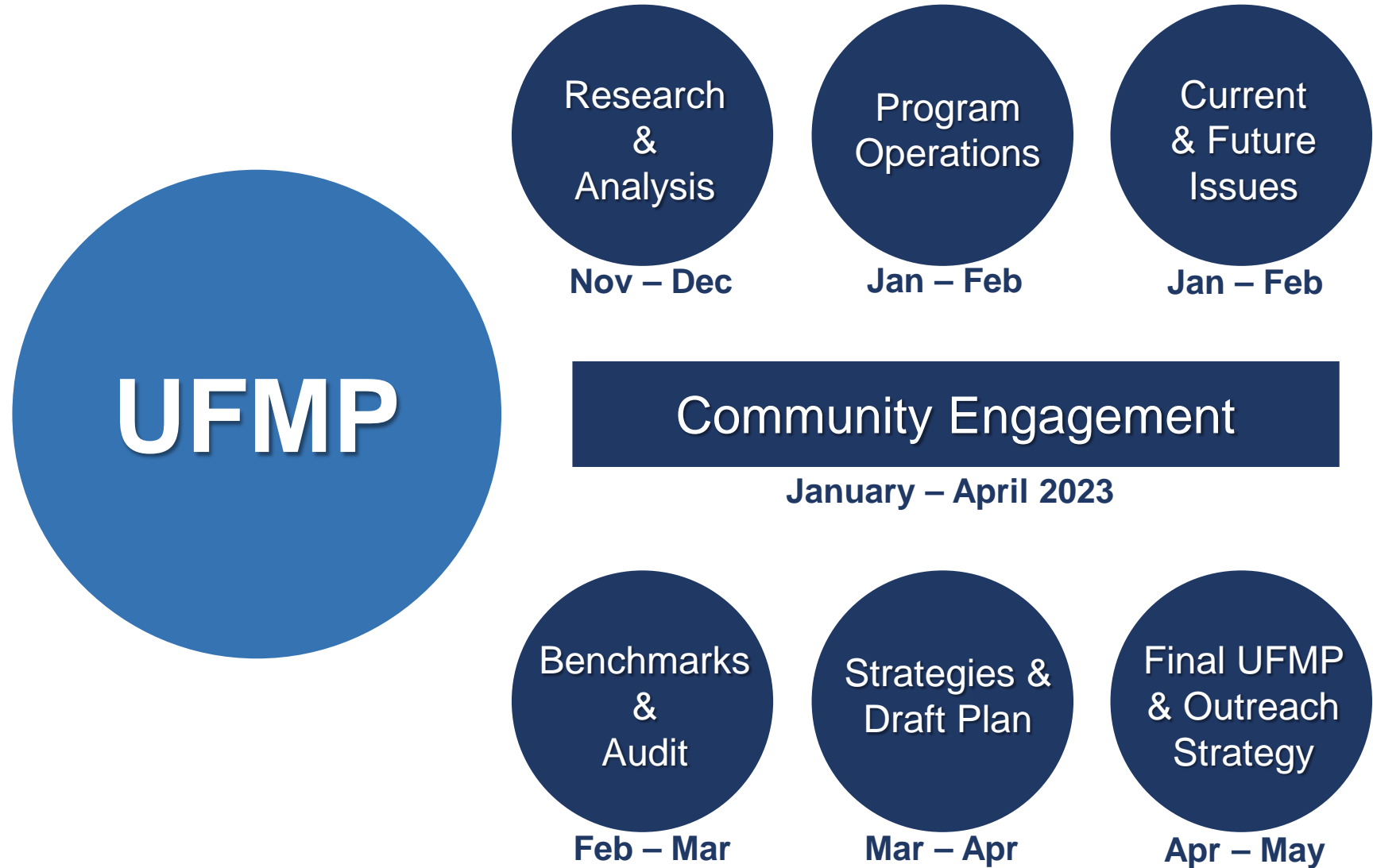
Urban Forest Status

Urban Tree Canopy

- 19% canopy (up 3% from 2011)
- 6,066 canopy acres
- 4,600 football fields of canopy

Count of Neighborhoods by Tree Canopy %

5-15%	16-20%	21-25%	26-30%	31-35%	>35%
13	25	10	13	5	2

Canopy Cover %

- 0-4%
- 5-15%
- 16-20%
- 21-25%
- 26-30%
- 31-35%
- >35%
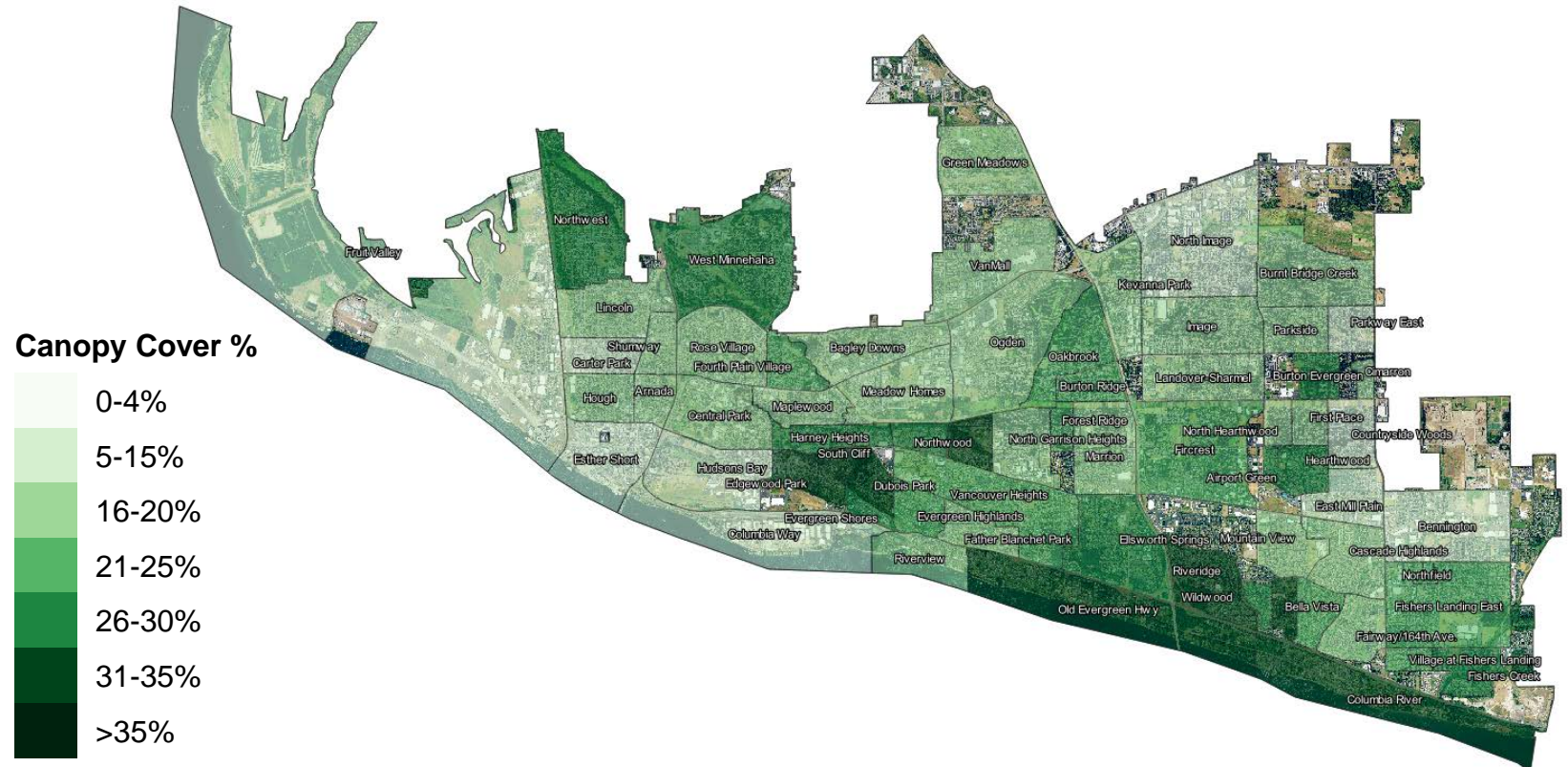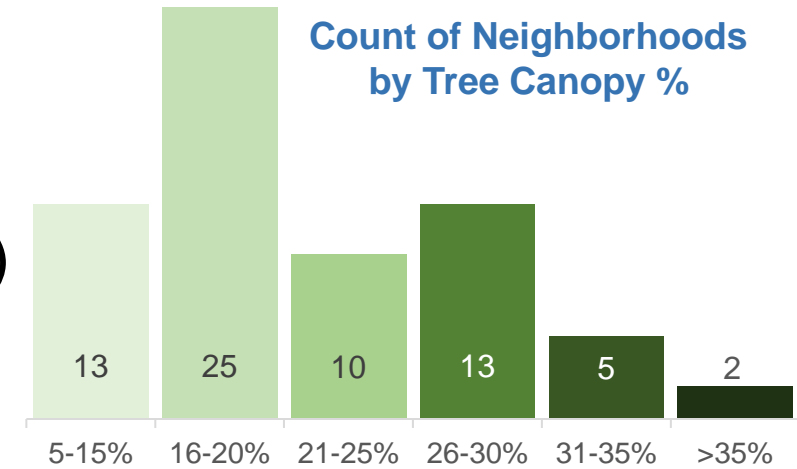
Key Findings

Urban Forest Status

Public Trees

- 12,000 trees added
- 870 trees > 30" diameter
- ~360 unique tree species
- 16% Douglas firs, 15% maples, 7% oaks, 4% western red cedars

0-3in	3-6in	6-12in	12-18in	18-24in	24-30in	>30in
11%	14%	20%	9%	8%	5%	7%

Tree Size (Diameter)

- 0-3in
- 3-6in
- 6-12in
- 12-18in
- 18-24in
- 24-30in
- >30in

Estimated **99,000** public trees in maintained areas

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11
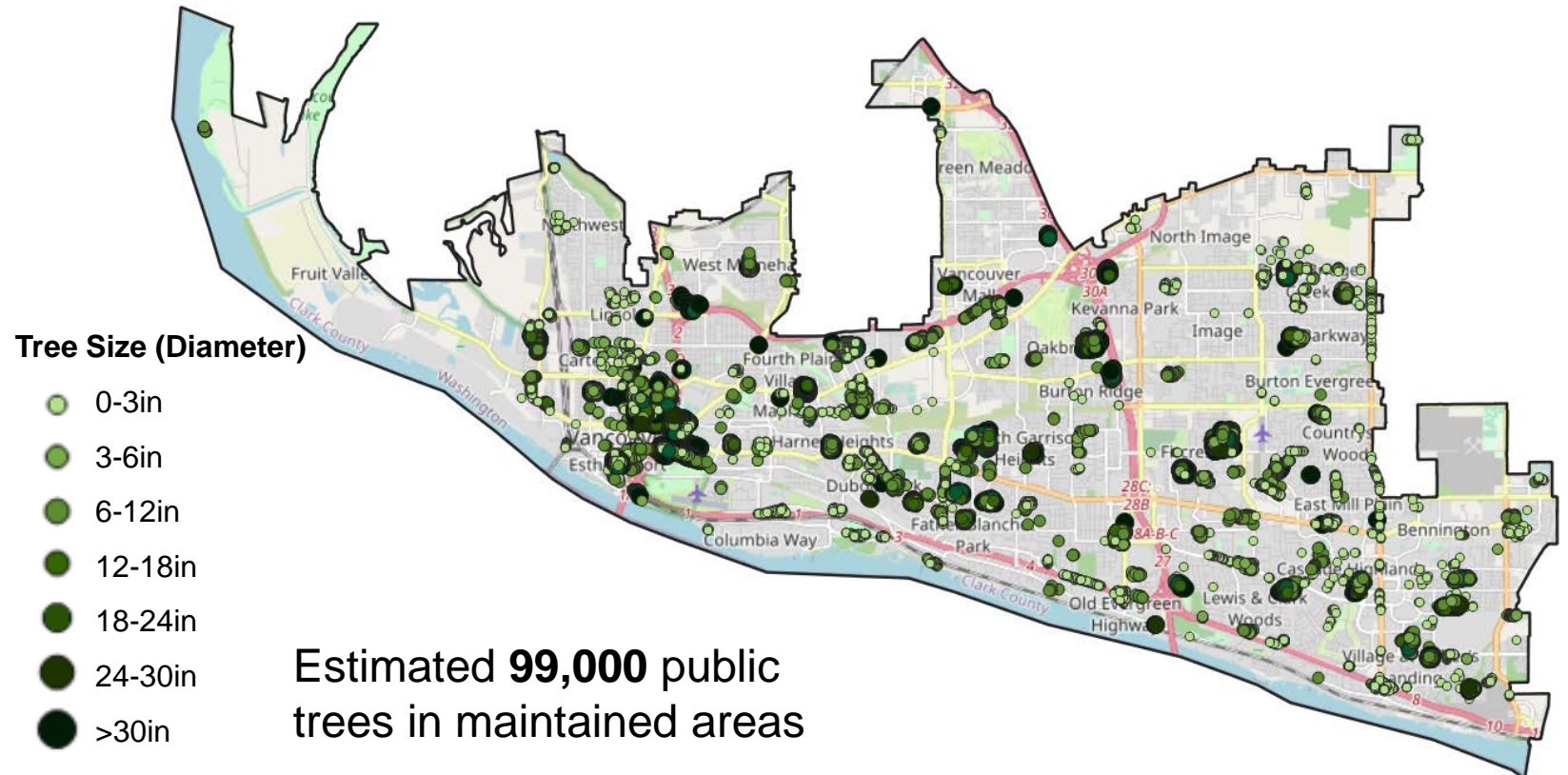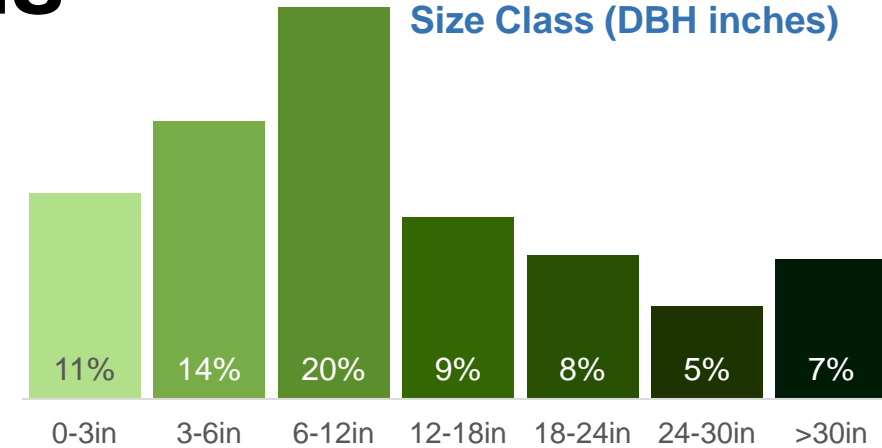
Key Findings

Ecosystem Benefits

Citywide Urban Forest (18.9% canopy)
- $44 million in total benefits
- 224,000 tons of carbon stored
- 7,000 tons of carbon sequestered
- 149 tons of pollutants captured
- 243 million gallons of stormwater prevented

Public Trees (~99k trees)
- $9.9 million in total benefits
- $100 per tree
- $51 per capita
- $4.12 ROI

Other Benefits
- Property values
- Reduced health care costs
- Reduced crime
- Urban forest replacement value ($500M)

CARBON STORAGE
In one year, an acre of mature trees absorbs the amount of CO2 produced by a car driven 26,000 miles.

STRESS REDUCTION
Workers without views of nature from their desks claimed 23% more sick days than workers with views of nature.

CLEANER AIR
Roadside trees reduce nearby indoor air pollution by more than 50%.

WILDLIFE HABITAT
Planting and protecting trees provides habitat for hundreds of birds and small animals.

STORMWATER MANAGEMENT
Contiguous tree canopy is estimated to intercept 4" of rain over 1 acre in a typical year— about 108,000 gallons.

SHADE AND COOLING
Shaded surfaces may be 20–45°F cooler than unshaded areas.
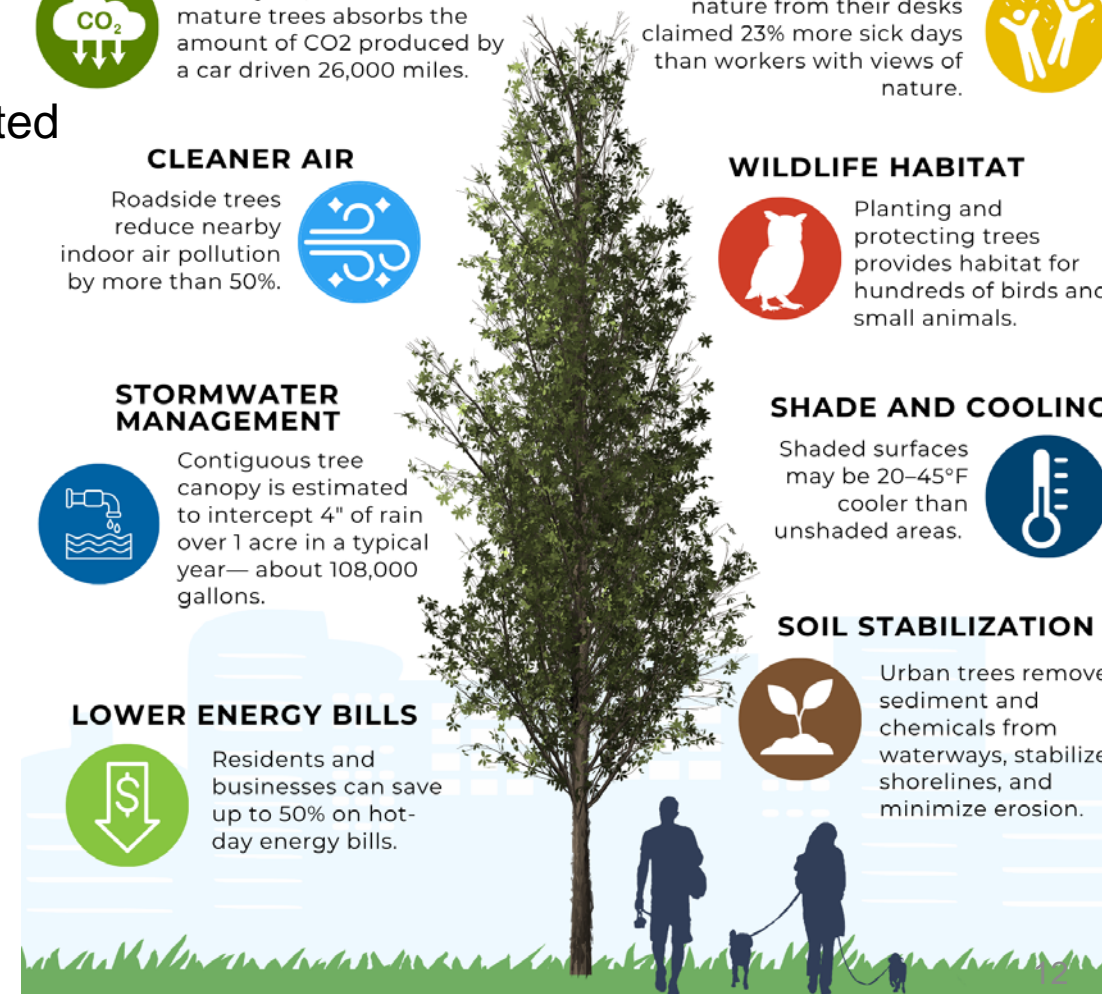
SOIL STABILIZATION
Urban trees remove sediment and chemicals from waterways, stabilize shorelines, and minimize erosion.

LOWER ENERGY BILLS
Residents and businesses can save up to 50% on hot-day energy bills.

Data sources and links: US Forest Service, the Arbor Day Foundation, and the EPA.

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City Staff Engagement
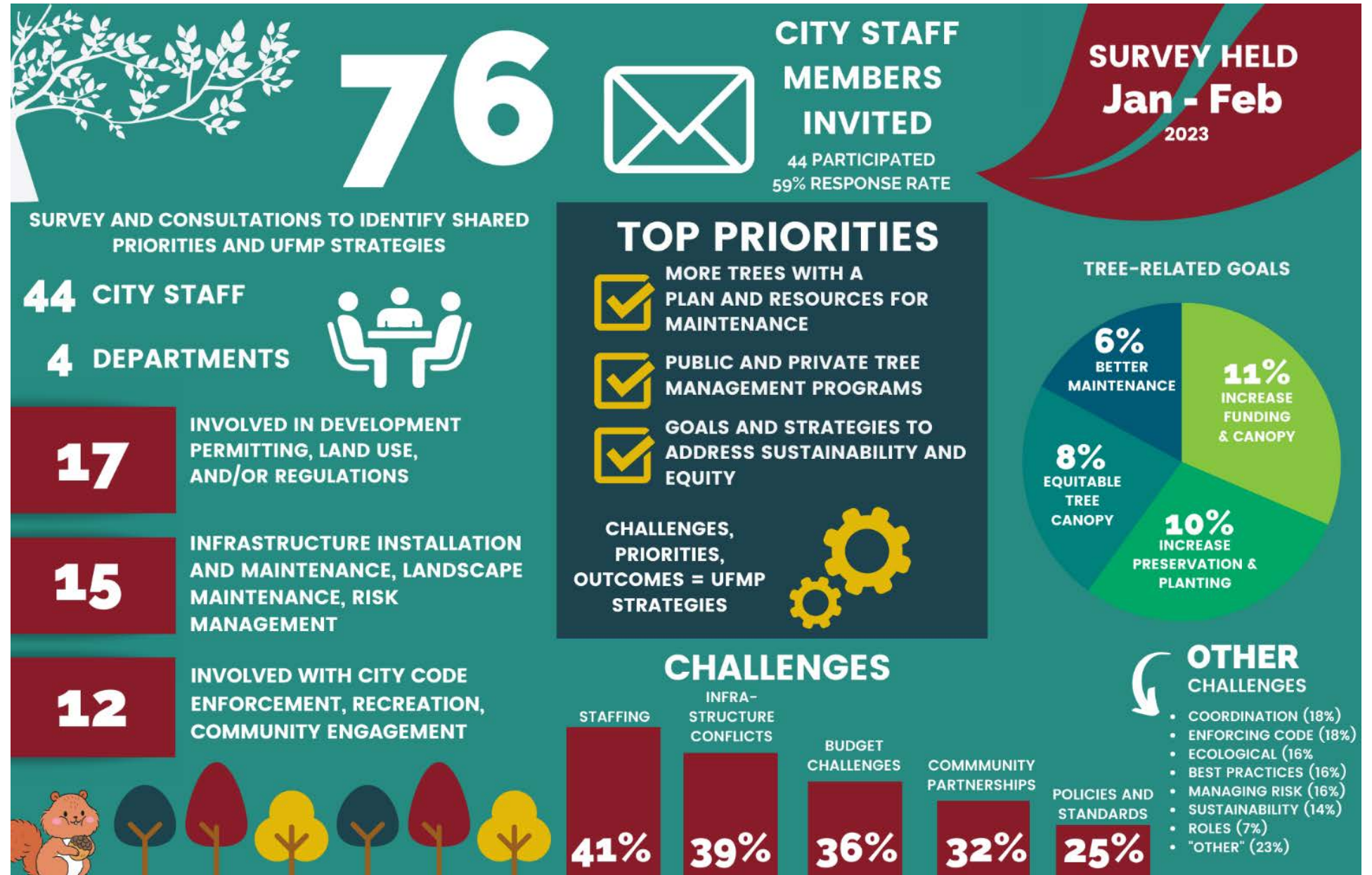
Key Findings

External Stakeholder Engagement

SURVEY AND CONSULTATIONS TO IDENTIFY SHARED PRIORITIES AND UFMP STRATEGIES

INVITED
36 ORGANIZATIONS, AGENCIES, COMPANIES
44 EXTERNAL STAKEHOLDERS INVITED

SURVEY HELD
Jan - Feb
2023

PARTICIPANTS
25 GROUPS
30 INDIVIDUALS

16 INVOLVED IN PUBLIC OUTREACH, EDUCATION, ENGAGEMENT AND/OR TRAINING

14 TREE-RELATED INVENTORIES, ASSESSMENTS, MONITORING, AND/OR ANALYSES

12 ORGANIZE AND MANAGE VOLLUNTEERS AND EVENTS

TOP PRIORITIES

☑ GOALS AND STRATEGIES THAT ADDRESS SUSTAINABILITY, CLIMATE CHANGE, & EQUITY

☑ MORE TREES WITH A PLAN AND RESOURCES FOR MAINTENANCE

☑ PROGRAMS TO MANAGE AND INCREASE PUBLIC & PRIVATE TREES

CHALLENGES, PRIORITIES, OUTCOMES = UFMP STRATEGIES

TREE-RELATED GOALS

10% PRESERVATION & PLANTING
10% EQUITABLE TREE CANOPY
21% INCREASE FUNDING & CANOPY
43% SUPPORT CANOPY GROWTH ON PRIVATE LAND

CHALLENGES

REGIONAL CHALLENGES	OUTDATED TREE REGULATIONS	ENVIRON-MENTAL, SUSTAIN-ABILITY, BUDGETS	PUBLIC EDUCATION, STANDARDS & BMPS, PARTNERSHIPS	COMMUNITY TREE STEWARDS
32%	32%	29%	25%	21%

OTHER CHALLENGES

- COMMUNICATION (14%)
- PREPAREDNESS PLANNING (14%)
- STAFFING (11%)
- SIDEWALK CONFLICT (11%)
- ENFORCING CODE (7%)
- DATA NEEDS (4%)

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Key Findings

Public Engagement
Jan – Feb 2023, 155 Responses

Location of Responses (Zip Codes)

98660 12%
98663 6%
98662 6%
98682 6%
98661 17%
98684 6%
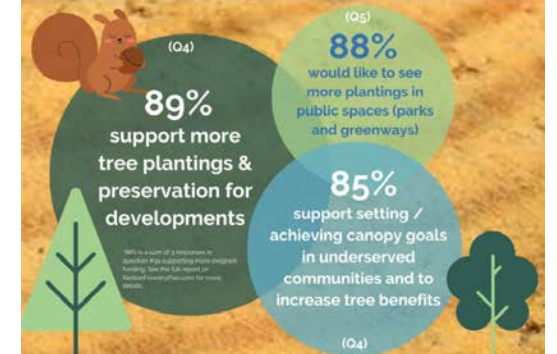98664 10%
98683 12%

Note: Zip code boundaries were recreated and formatted to Vancouver. Map is not intended for additional use.
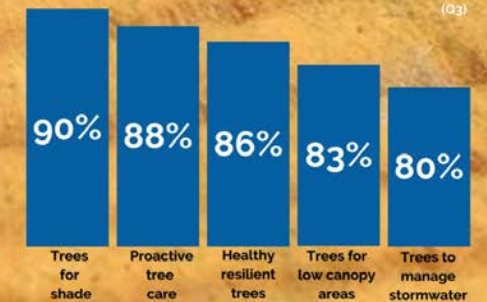

PUBLIC SURVEY RESULTS

HEALTH AND QUALITY OF TREES IN THE LAST 10 YEARS? (Q2)
- Unsure (34%)
- Improved (8%)
- Stayed the same (8%)
- Declined (50%)

WHERE SHOULD VANCOUVER FOCUS FUNDING?

89% support more tree plantings & preservation for developments (Q4)

88% would like to see more plantings in public spaces (parks and greenways) (Q5)

85% support setting / achieving canopy goals in underserved communities and to increase tree benefits (Q4)

MOST IMPORTANT CONSIDERATIONS FOR TREES (Q3)

- 90% Trees for shade
- 88% Proactive tree care
- 86% Healthy resilient trees
- 83% Trees for low canopy areas
- 80% Trees to manage stormwater

155 responses were received
Survey open from January 10 - February 28, 2023
For more details go to BeHeardVancouver.org/UFMP

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Opportunities for Public Input

Engagement Sessions

Be Heard Vancouver Website

Urban Forestry Management Plan

Trees are a valuable community asset, enhancing our parks and open spaces, cooling our neighborhoods, capturing air pollution, intercepting stormwater runoff and improving safety in our community. Growing and caring for our city's urban tree canopy is no small task; a healthy tree canopy is the result of proper planning, management and community involvement.

To guide the future of trees in our community, the City is developing an **Urban Forestry Management Plan (UFMP)**. This plan will engage the community in creating a vision for the future, so that trees can continue to benefit everyone who lives, works and plays in Vancouver for generations to come.

We invite you to share your thoughts by **taking the survey** below. You can also join us for a virtual community meeting on January 25 and in person on March 18, RSVP below.

+ What is an Urban Forest?

+ How Does the Urban Forest Benefit our Community?

+ What is an Urban Forestry Management Plan?

+ Meet the Project Team

+ Ways to Get Involved

Let's Talk Trees! Public Meeting

Vancouver, WA Urban Forestry Management Plan

Let's Talk Trees, Vancouver! – Noon Session

Key Dates

📅 Let's Talk Trees: Online Project Kick-Off Meeting
January 25 2023

March 18th 10-noon @ MLK Elementary (4801 Idaho St, Vancouver, WA 98661)

Public Survey

Vancouver, WA Urban Forestry Management Plan

A Public Survey to Support the Development of the City of Vancouver, WA's Urban Forestry Management Plan

5) Where would you like to see the City prioritize future tree plantings? (Select all that apply)
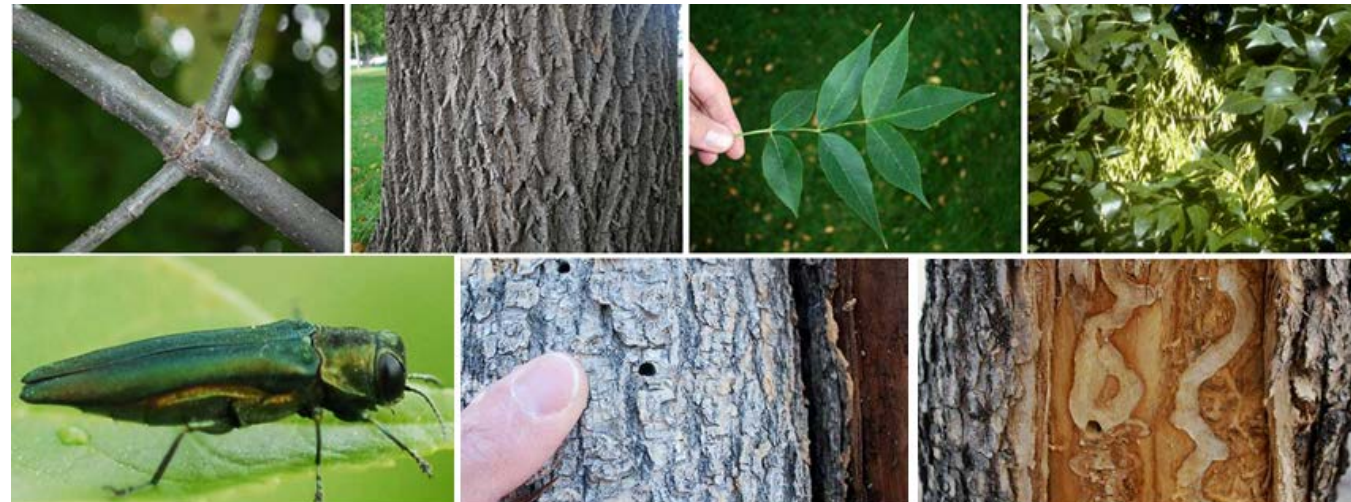
A   B   C

D   E   F

Not Applicable

☐ A) Street trees (planted in the median or adjacent to the street)
☐ B) Parks, greenways, and other public spaces
☐ C) Private residential property
☐ D) Commercial or industrial areas
☐ E) School campuses
☐ F) I do not support adding more trees or canopy cover
☐ Other:

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Key Findings

Key Strategies

Key Strategy	SUPPORT?		
	Staff	Stakeholders	Public
Tree Regulations	✓	✓	✓
Proactive Public Tree Maintenance	✓	✓	✓
Tree Planting Initiative	✓	✓	✓
Staffing Levels	✓	✓	✓
Data Management	✓		
Emerald Ash Borer (EAB) Management	✓	✓	

Ash Tree & EAB ID

Key Findings

Urban Forestry Audit

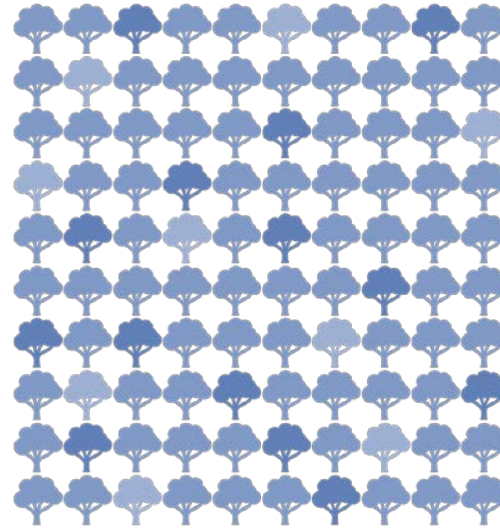| Category	Percentage
1) Policy and Ordinances	96%
2) Capacity and Training	100%
3) Funding and Accounting	75%
4) Decision and Management Authority	100%
5) Inventories	46%
6) Urban Forest Plans	58%
7) Risk Management	78%
8) Disaster Planning	71%
9) Standards and Best Practices	80%
10) Community	100%
11) Green Asset Evaluation	50%

Score
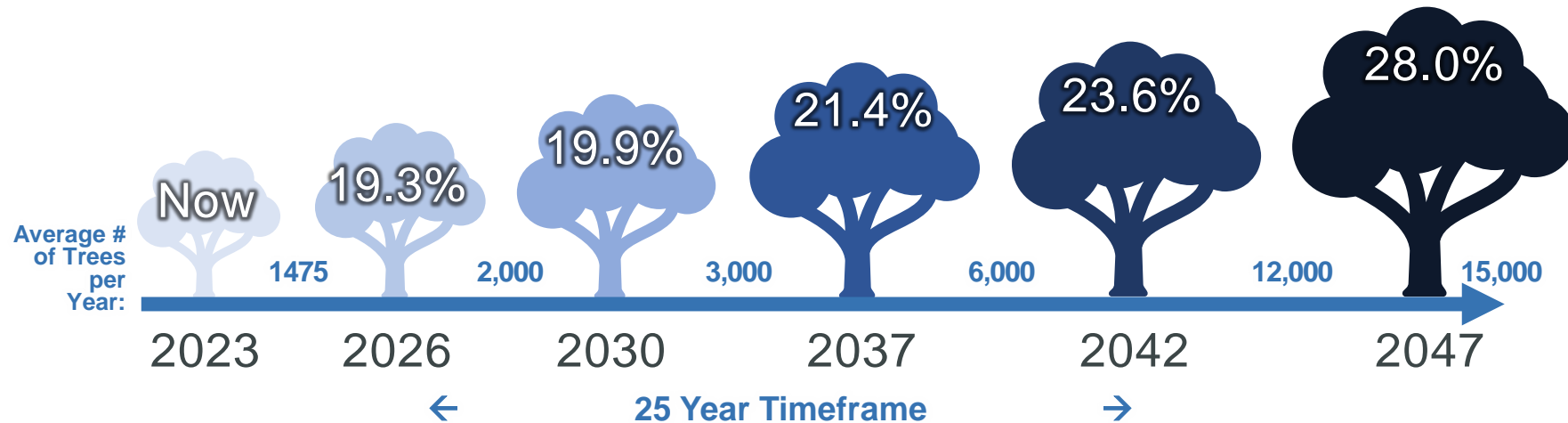### 78 out of 100

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Canopy Goals & Planting Priorities
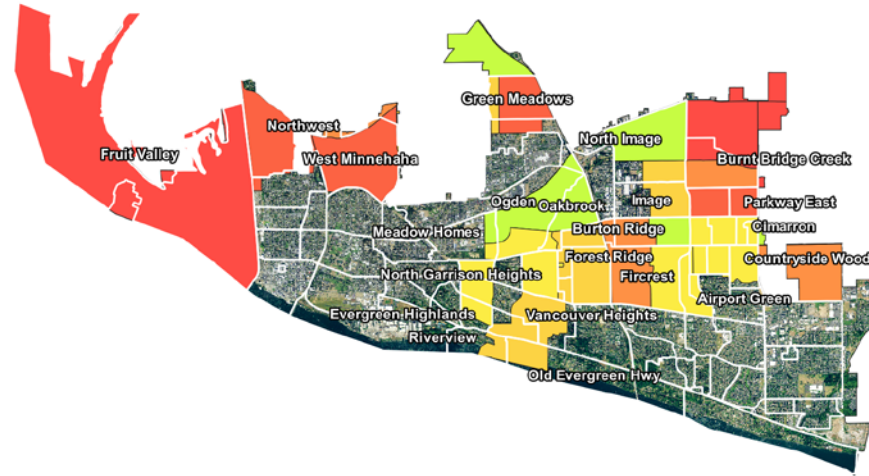
Canopy Goals

28% by 2047

100 trees planted across the City that have large canopy cover at maturity equals 3 acres of new canopy cover. Approximately 3,000 acres of new canopy cover is needed to reach 28%
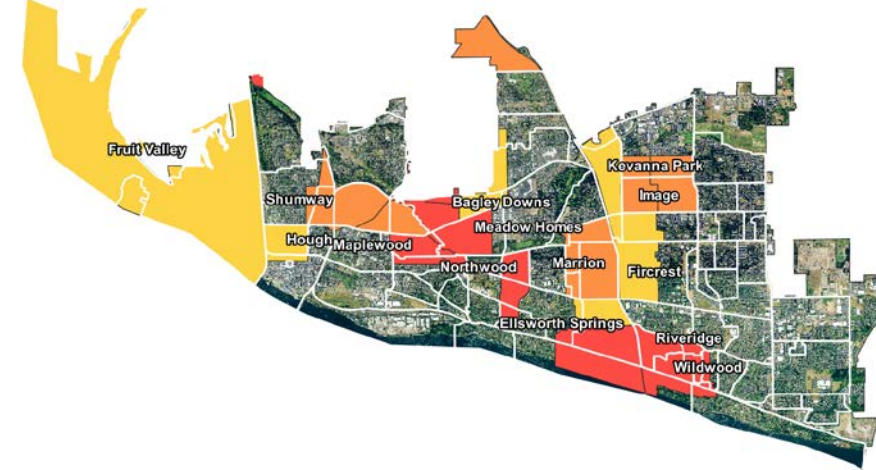

Average # of Trees per Year:

	Now	19.3%	19.9%	21.4%	23.6%	28.0%
		1475	2,000	3,000	6,000	12,000	15,000
	2023	2026	2030	2037	2042	2047

← 25 Year Timeframe →

Canopy Goals & Planting Priorities

Priority Planting Areas

Greatest Available Space

WA Environmental Health Disparities Priorities

Stormwater and Water Quality

Suitability
- Moderate
- High
- Highest
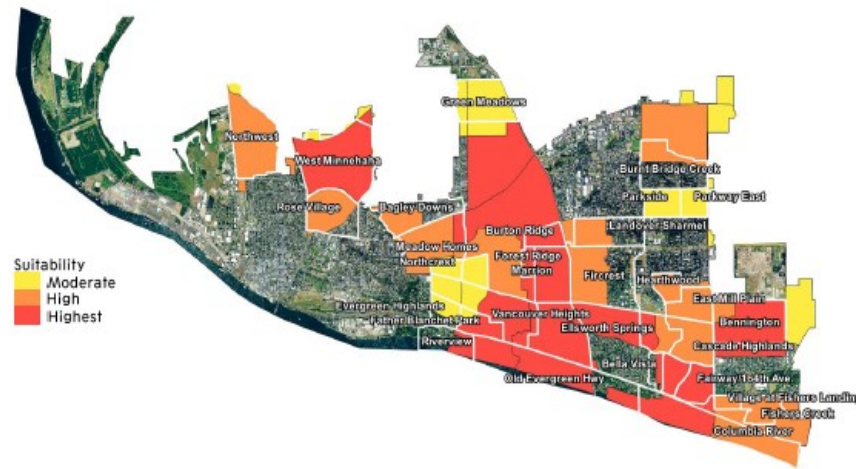
Composite Map of High Priority Areas

Suitability
- Moderate
- High
- Highest

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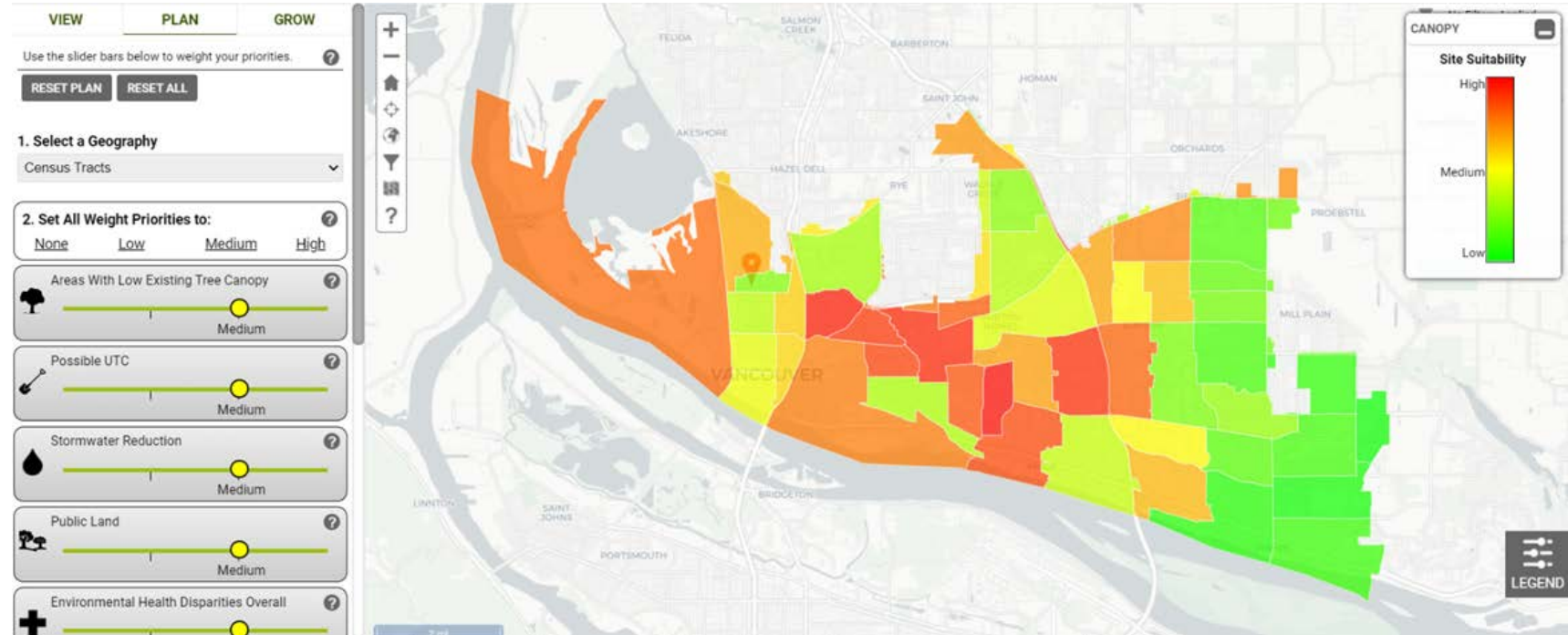Vancouver
WASHINGTON
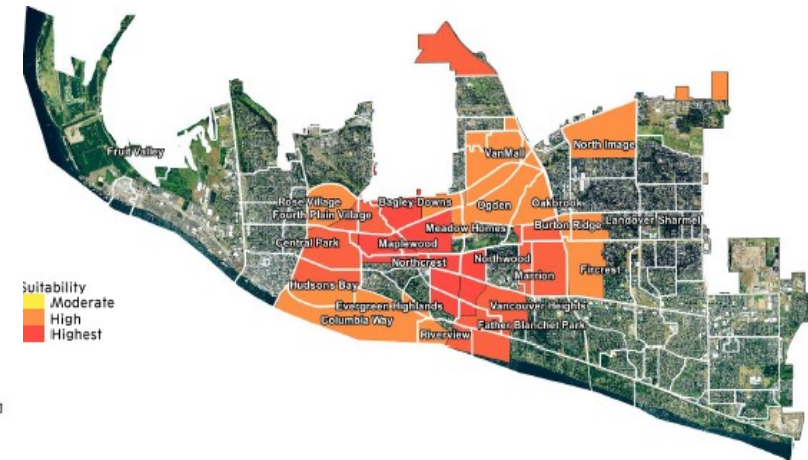
Tree Equity: View, Plan, Grow

Tree Equity

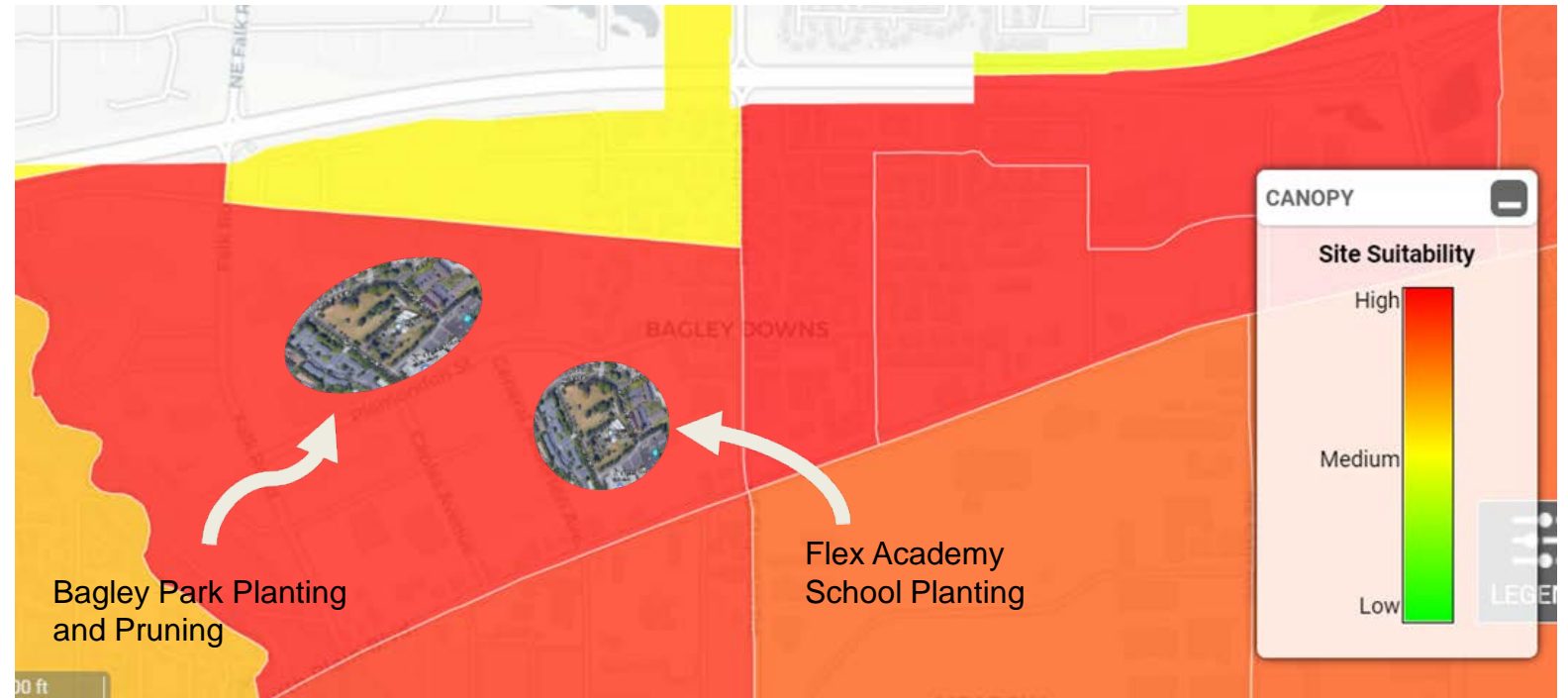Interactive mapping tool that overlays tree canopy, census data, and health disparities to inform urban forestry management

https://pg-cloud.com/VancouverWA/

Tree Equity: View, Plan, Grow

Tree Equity across the community

Bagley Park Planting and Pruning

Flex Academy School Planting

CANOPY

Site Suitability

High

Medium

Low

Tree Equity considers tree canopy cover, climate, demographic, and socioeconomic data. These datasets include Average Temperature, Median Household Income, People of Color %, Vulnerable Population, Unemployment %, Health Index

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UFMP Long-Term Framework

Long-Term Framework

❖ 3 Goals, 8 Objectives, 23 Strategies

  and 50+ Actions

❖ Short, Mid, Long-Term and Ongoing Actions

❖ Implementation Strategy

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Long-term Frame-work

Draft Goals & Strategies (paraphrased)

GOAL 1	GOAL 2	GOAL 3
Proactively manage public trees, continue to grow and expand a healthy canopy to achieve the 28% citywide canopy goal, maintain public safety, and optimize urban forest benefits.	**Achieve environmental justice through a partnership with the City and its residents to improve well-being, human health, local economies, and urban forest sustainability.**	**Strengthen policies for preserving the environmental benefits, management, and the character of Vancouver's urban forest.**
Update and maintain the public tree inventory.	Maintain Tree City USA recognition.	Protect trees during construction projects.
Utilize current and future canopy assessments.	Maintain active communications with diverse audiences.	Apply a no-net-loss approach to tree canopy cover.
Stay current with industry research, tools, tech and innovation.	Provide education and training workshops.	Use tree canopy assessment data for tree management policies.
Implement a proactive pruning cycle and management program.	Implement program services through the lens of environmental justice.	Update and strengthen tree-related ordinances, design standards, and protocols.
Formally update the Tree Planting Initiative.	Expand partnerships and the Neighborhood Tree Stewards program.	Enforce tree regulations.
Increase citywide tree canopy cover.	Coordinate implementation and engagement with the UFC and local partners.	
Grow a sustainable and resilient urban forest.	Effectively manage volunteers and events.	
Develop a Risk Tree Management Plan.		
Institute a formal rotation for risk tree inspections.		

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UFMP Next Steps

Steps for Plan Adoption

❖ City Council May 8th (today)

❖ Planning Commission May 9th

❖ Department of Commerce/SEPA Review

  Process May-June

❖ Final UFMP Draft Summer 2023

❖ Seek Adoption by City Council Fall 2023

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Management Plan

THANK YOU!

www.beheardvancouver.org/UFMP
www.cityofvancouver.us/urbanforestry

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Draft Short-term Actions (paraphrased)

Short-term (0–5 years)

Action 1.1A.1 Utilize an asset management program to collect and manage public tree inventory data and regularly update the inventory. Begin by completing the parks inventory and start a street tree inventory.

Action 1.1B.1 Update policies and design guidelines to preserve existing tree canopy cover (see Goal 3).

Action 1.2A.1 Identify and finalize members for an interdepartmental green team or similar and establish meeting intervals and team objectives.

Action 1.2B.3 Continue the 7–year pruning cycle for Park sites and include all public facilities such as cemeteries, stormwater facilities, community centers, and police and fire stations to address equity and climate resilience.

Action 1.2b.4 Build off successes of the City's Park Pruning cycle to develop a proactive street tree maintenance program on a 7–10 –year cycle like other communities to address equity and climate resilience by working with adjacent property owners.

Action 1.2C.1 Establish maintenance plans for new plantings.

Action 1.2C.4 Acquire commitments from the local community and property owners to water new trees.

Action 1.3A.1 Finalize tree canopy goals (short– and long–term) and priority planting areas and themes such as areas that score 8 or above on the WA Health Disparities Map and/or areas experiencing severe urban heat island effects.

Action 1.3A.2 Establish a citywide tree planting plan with strategies.

Action 1.3C.7 Plan for and manage Emerald Ash Borer which was identified in Oregon in June 2022.

Action 1.3C.8 Strengthen storm and disaster preparations, communications, mitigation, and recovery strategies, protocols, and mechanisms.

Action 1.3C.9 Complete the WA Urban Forest Pest Readiness Playbook Assessment to identify current and future management strategies.

Action 1.3C.10 Develop and implement a tree assistance program to address hazardous and invasive trees on public and private property.

Action 1.3C.11 Develop a working group to address English ivy on public and private property, develop a plan, and begin implementation.

Action 1.4A.1 Develop a scope and secure funding to complete a Risk Tree Management Plan for public trees.

Action 2.1B.1 Finalize a robust Community Outreach Strategy and a communications plan to garner support, spur behavior change, and increase participation from the community. Increase outreach and marketing for improving and expanding tree canopy for the public good by utilizing a designed marketing campaign by professional firms to seek public behavior change.

Action 2.1B.2 Aligned with the Community Outreach Strategy, conduct outreach in multiple languages with a variety of audiences and stakeholders (e.g., property owners, developers, HOAs, youth, tree care companies).

Action 2.1C.1 Use the Outreach Strategy (Action 2.1B.1) to finalize topics, audiences, approach.

Long-term Frame-work

Draft Short-term Actions (paraphrased)

Action 2.1C.2 Identify existing resources and tools for workshops.

Action 2.1C.3 Identify and collaborate with community partners.

Action 2.1D.1 Use the Outreach Strategy (Action 2.1B.1) to identify local community groups and partners that represent all neighborhoods.

Action 2.1D.2 Identify low canopy neighborhoods for targeted engagement.

Action 2.2B.1 Identify actions in the Plan where the Urban Forestry Commission can lead or support implementation.

Action 2.2C.1 Identify needs and interests from multiple departments.

Action 2.2C.2 Work with community partners and City volunteer coordinators to strengthen the Outreach Strategy (Action 2.1B.1).

Action 2.2C.3 Identify roles for past Urban Forestry Commissioners and Neighborhood Tree Stewards to keep them engaged.

Action 3.1B.1 Explore a fee-in-lieu of payment for the value of any trees removed from the development site and not planted back into the landscape. Consider fee schedules based on the type of project, the number of trees, the size of trees, Heritage Trees, among other considerations.

Action 3.1C.2 Update policies, regulations, standards, and plans to include the long-term and intermediate citywide and local canopy goals.

Action 3.1D.1 Evaluate city codes in an effort to increase tree preservation and create space for existing trees during the development process as well as space for new larger stature trees to be planted both on private property and within the public right-of-way.

Action 3.1D.2 Establish requirements for minimum soil volumes for new tree planting that align with industry standards and best practices.

Action 3.1D.3 Explore opportunities to update City standards such as the Transportation Standards to increase growing space that supports large-canopied trees.

Action 3.1D.6 Codify TreeCAP Program as part of new development instead of a voluntary program to ensure all new development is fulfilling their role in urban forest management.

Action 3.1D.7 Require Silver Leaf achievement in the City's TreeCAP program, which sets a goal of 15% tree canopy cover for commercial development and 33% tree canopy cover for single-family residential development.

Action 3.1D.11 Identify public areas and plant climate resilient trees where they can be integrated into stormwater management systems.

Action 3.2A.2 Explore requiring a landscape bond or escrow for new tree planting as part of development or inspecting all new development prior to occupancy and 3 years later to ensure new trees survived the establishment period and require replanting as needed.

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Long-term Frame-work

Draft Mid-term Actions (paraphrased)

Mid-term (6-10 years)

Action 1.1A.2 Complete the comprehensive street tree inventory and actively manage the data as changes occur.

Action 1.1B.2 Secure funding, prepare a scope of work, and complete an updated tree canopy assessment.

Action 1.1B.3 Refine canopy goals and planting priorities as necessary.

Action 1.2A.4 Evaluate staffing needs and submit budget requests for additional staff when service demands and the needs of the urban forest exceed capacity.

Action 1.2B.1 Optimize management of the city's street (right-of-way) trees to increase carbon sequestration, resilience to extreme events, support overburden communities and consistent with anti-displacement best practices and ensuring equitable distribution of benefits, risk and resilience.

Action 1.2B.2 Optimize management of the city's natural lands to increase carbon sequestration and support resilience to extreme events, consistent with anti-displacement best practices and ensuring equitable distribution of risk and resilience.

Action 1.2B.5 Evaluate proactive maintenance programs for public facilities and street trees.

Action 1.2B.6 Evaluate the effectiveness of contract crews and explore the feasibility of developing an in-house tree crew rather than relying heavily on contract crews. Consider the insurance implications and identify the threshold when it would be more economical to have an in-house tree crew.

Action 1.3A.3 Identify additional local community partners for planting, maintenance, and funding support.

Action 1.3B.4 Identify additional opportunities beyond services city is currently providing for preserving and expanding tree canopy on private and city property to ensure equitable distribution of urban forest benefits to all Vancouver residents.

Action 1.3C.1 Monitor and analyze the inventory to inform tree species selection for new plantings and update the Approved Tree List as needed.

Action 1.3C.12 Continue implementing English ivy management with community support on public and private property.

Action 1.4B.1 Update public tree inventory and monitoring protocols based on the Risk Tree Management Plan.

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Draft Mid-term Actions (paraphrased)

Action 2.1A.2 Retain the consecutive recognition as a Tree City USA city and strive for continual receival of the Growth Award and Sterling Tree City USA from the Arbor Day Foundation.

Action 2.1A.3 Seek additional accreditation beyond Tree City USA such as Evergreen Community and American Public Works accreditation.

Action 2.2A.1 Expand the partnership with the local non-profit organization, Friends of Trees, to plant more trees on private property especially once barriers for overburdened communities have been removed such as a program for removing hazard and or invasive trees.

Action 3.1C.1 Evaluate causes for canopy loss and gain from the 2021 assessment and future assessments to inform updates to policies and regulations.

Action 3.1D.4 Revisit Open Space District design standards to reduce and or limit high maintenance turf area to increase possible planting area within the Open Space District and to maximize ecosystem services while still providing active play areas.

Action 3.1D.5 Identify street corridors where roadway widths can be reduced and remove pavement and plant trees and landscape that reduce reflected heat, remove impervious area, reduce future repaving needs, and provide traffic calming elements.

Action 3.1D.8 Explore the feasibility of incentivizing Gold Leaf achievement in the City's TreeCAP program, which sets a goal of at least 17% tree canopy cover for commercial development and at least 35% tree canopy cover for single-family residential development.

Action 3.1D.9 In support of the City's goal to reach 28% canopy cover by 2047, incentivize long-lived, large form, drought-tolerant, climate-resilient native plantings and retention of the mature canopy in existing and new developments.

Action 3.2A.4 Increase costs for street tree permits to align with the costs for administration and the needs of the urban forest.

Action 3.2A.6 Update the Street Tree Manual based on changes to City tree regulations, standards, and protocols.

Long-term Frame-work

Draft Long-term Actions (paraphrased)

Long-term (11–25 years)

Action 1.2A.5 Explore the development of an Urban Wood Reuse Program.

Action 1.2B.7 Focus on streamlining proactive tree maintenance and strive for a 7-year cycle for public facilities and street trees. Explore the feasibility of updating codes to transition from the adjacent property owner being responsible for street tree maintenance.

Action 1.2B.8 Develop in-house tree crews and rely on contractors for special projects and to supplement staff if or when the City identifies a practical need.

Action 1.3C.4 The City should retain remnant parcels as carbon sinks by planting with native conifers or climate adaptive conifers.

Action 1.3C.5 Purchase parcels citywide to increase carbon sequestration and support resilience to extreme events, consistent with anti-displacement best practices and ensuring equitable distribution of risk and resilience.

Action 1.3C.6 The City should acquire more parcels as part of the Open Space District for public use and to be used as carbon sinks to address climate, health, and equity.

Action 1.3C.13 Continue to work towards eradication of English ivy from tree canopies and from the landscape on both public and private property.

Action 1.3C.14 Collaborate with local tree nurseries to explore opportunities for expanding tree species options.

Action 3.1D.10 Strengthen and enforce code to protect critical areas such as contiguous forest areas, fish and wildlife habitats, frequently flooded areas, geologically hazardous areas, and special ecosystems.

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Long-term Frame-work

Draft Ongoing Actions (paraphrased)

Ongoing

Action 1.1A.3 Analyze the public tree inventory data regularly to report on ecosystem services and benefits and to identify inequitable areas.

Action 1.1A.4 Monitor and assess the public tree population for risk and tree pests/diseases.

Action 1.1C.1 Attend training events, maintain understanding of industry research and innovation, and effectively implement data management solutions to their full potential.

Action 1.2A.2 The interdepartmental green team should meet regularly to address workflows, communications, and information sharing.

Action 1.2A.3 Tree managing staff should engage in City department planning such as updates to the Comprehensive Plan and Climate Action Framework.

Action 1.2C.2 Plant trees using the right tree, right place approach.

Action 1.2C.3 Educate the public and gather local community input on public tree plantings.

Action 1.2C.5 Utilize local partners and existing programs for the care of young public trees.

Action 1.3A.4 Continue to partner with Parks and Schools to replant trees and reduce unnecessary turf areas.

Action 1.3B.1 Plant trees to support an equitable expansion of the canopy with a focus on areas with low urban tree canopy, high susceptibility to urban heat island effects, areas of poor air quality, and areas with higher percentages of low-income people and communities of color.

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Long-term Frame-work

Draft Ongoing Actions (continued) (paraphrased)

Action 1.3B.2 Replant climate-resilient trees where public trees were removed as appropriate.

Action 1.3B.3 Retain and preserve existing tree canopy through education, outreach, design review, and inspections to ensure low-income populations and overburdened communities understand and receive the benefits trees provide.

Action 1.3C.2 In support of the City's goal to reach 28% canopy cover by 2047, require long-lived, large form, drought-tolerant, climate-resilient native plantings (as feasible) in parks and other public properties to maximize carbon sequestration.

Action 1.3C.3 Mimic natural design or sustainable landscape design in new public development projects.

Action 1.3C.15 Continue to support and budget for professional training and certifications.

Action 1.4B.2 Apply industry standards and best practices and implement the Risk Tree Management Plan.

Action 2.1A.1 Maintain accurate records and conduct Arbor Day Celebrations to continue to receive the Tree City USA status from the Arbor Day Foundation.

Action 2.1B.3 Aligned with the Community Outreach Strategy, update the City's website with information in the Plan and share information regularly with the public through other mediums.

Action 2.1B.4 Aligned with the Community Outreach Strategy, gather public input and feedback regularly to inform future messaging, programs, and events.

Action 2.1C.4 Support youth education of environmental topics, engage schools with Arbor Day events.

Action 2.1C.5 Lead or support at least one training or education material annually.

Action 2.1D.3 Develop strategies to remove barriers to participation for all community members. Examples of barriers include ADA communications compliance, internet access, childcare, languages, and transportation needs.

Action 2.2B.2 Continue to coordinate with the Urban Forestry Commission on the development of annual reports and work plans aligned with the Plan's long-term framework and monitoring protocols.

Action 2.2C.4 Continue to support and expand programs such as the Heritage Tree and Witness Tree programs to sustain the urban forest and recognize exemplary urban forest stewards and volunteers.

Action 3.1A.1 Continue to review tree and hardscape conflicts and integrate alternative solutions that preserve trees where feasible.

Action 3.1A.3 Continue to perform construction project inspections to ensure proper tree protection requirements are implemented and maintained.

Action 3.2A.1 Inspect final landscape installation to ensure development projects are implemented as designed to meet code and contribute to environment.

Action 3.2A.3 Capture trees that are not planted as part of the VMC 20.925 and VMC 12.04 due to site constraints.

Action 3.2A.5 Continue to require the use of industry standards and best practices for the maintenance of public trees and encourage / educate the public to conduct similar practices on private trees.

Action 3.2A.7 Continue to administer and review tree permits.

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