



Urban Forest Management Plan

City Council Study Session
February 5, 2018 · 4:30 - 5:30 PM

Presented by Davey Resource Group Inc.

What are we doing tonight?

Meeting Agenda

- Introduction
- DRG - Who are we?
- Project Scope of Work
- Urban Forest Management Planning
- General Discussion about Goals of Plan
- Stakeholder Interviews and Community Feedback
- Examples from Previous Projects
- Next Steps





Urban Forest Management Plan



Comprehensive Plan

Policy EC.10.10 - Create and support a robust and comprehensive Urban Forestry Management Plan.



Urban Forest Management Plan

Vision - Goals - Recommendations



Regulations

Tree Removal & Replacement -
Incentives - Street Tree List



Programs

Parks - Public Works -
Community Development

What is an Urban Forest Management Plan?

An Urban Forest Management Plan...

- Creates a shared community vision for the future of the urban forest.
- Highlights and incorporates information from data-gathering exercises.
- Establishes goals relating to the health, management, and extent of the urban forest and steps required to reach them.
- Establishes shared priorities across departments.
- May result in development of new programs and regulations.



What isn't an Urban Forest Management Plan?

An Urban Forest Management Plan is not...

- A regulatory document
- A section of municipal code
- A program
- A budget
- A maintenance guide

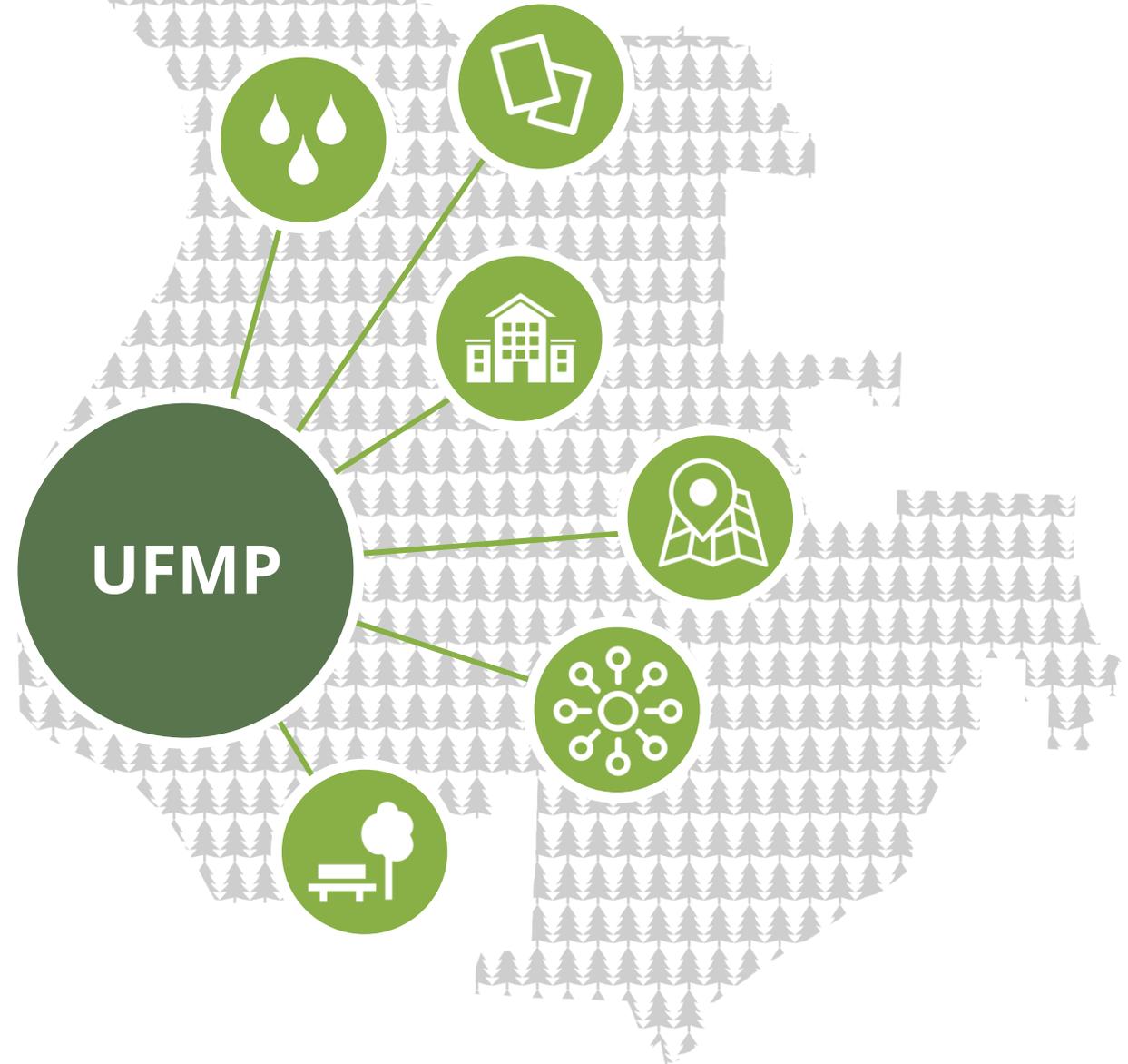
The UFMP will **set the framework** for all of these things to exist in the future.



Related City Goals, Policies & Master Plans

Coordination

- 2015 Comprehensive Plan
- Town Center Plan
- 2018 PRO Plan
- 2016 Storm and Surface Water Management Comprehensive Plan
- Land Acquisition Strategy
- Chapters 21A.37 & 21A.50 SMC



Urban Forest Management Plan

Background

- Council approved \$119,500 contract for DRG in October 2017
- UW Urban Ecology completing canopy cover assessment and provide policy review support for UFMP
 - Supported by \$15,000 WA DNR / USDA Community Forestry Grant



Urban Forest Management Plan

Project Scope of Work

Phase 1 Q4 2017 – Q1 2018	Phase 2 Q1 – Q2 2018	Phase 3 Q2-Q3 2018	Phase 4 Q4 2018 – Q1 2019
Review Existing Plans and Related Documents	Data Collection and Analysis	Commission & Council Project Update Meetings	Draft Plan Review by Commission & Council
Public Education Workshops	Urban Tree Canopy Study	Draft Plan Development	Final Plan Review & Approval
Stakeholder Interviews	StoryMap		Begin Implementation
Commission & Council Kick-Off Meetings	Public Engagement		

Who Are We? Davey Resource Group Inc.

About Us

Historic Company

- Founded in 1880, Employee Owned

Industry Leaders

- i-Tree software
- Tree Inventory Best Management Practices
- Nationwide Consulting Network

Vision

- Providing solutions that promote balance among people, progress and the environment



What is an Urban Forest?

Private vs Public Trees

Public Trees

- Parks and Natural Areas
- Public Right of Ways
- Trees on Public Property

Private Trees

- Residential
- Commercial
- Industrial



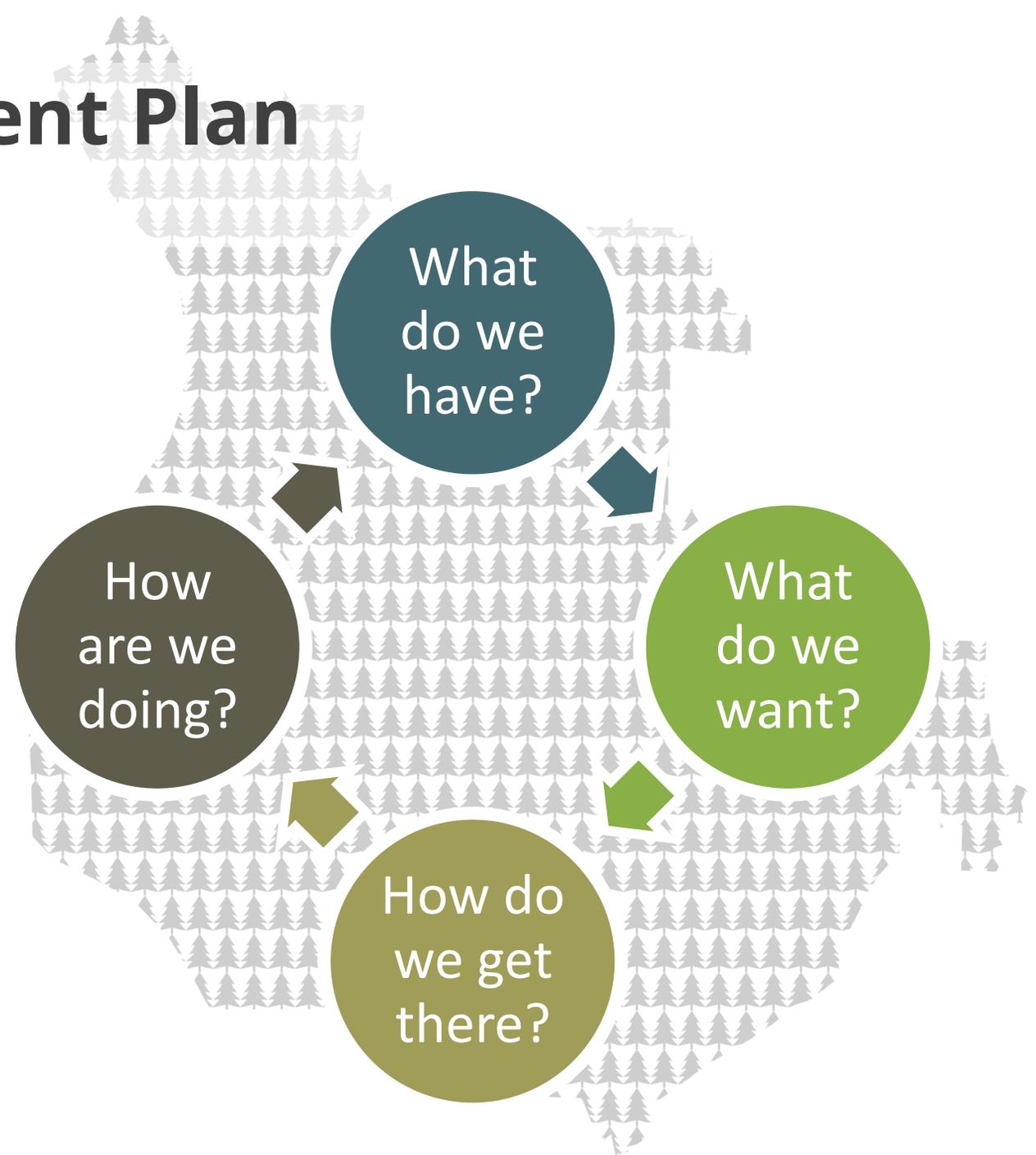
Urban Forest Management Plan (UFMP)

What is an UFMP?

- Guidance for managing the urban forest
- Long and short-term goals
- Adaptive management principles

Why is it important?

- Promote a shared vision
- Communicate value and benefit of trees
- Manage challenges and opportunities
- Pathway to proactive management



Planning Goals

Specific **M**easurable **A**chievable **R**ealistic **T**ime Sensitive

Examples

- Inspect 15% of trees each year
- Plant a million trees
- No net loss of canopy

Examples

- Plant trees annually
- Review tree ordinances
- Update UFMP



(ADAPTED FROM: Kenney, W. A., van Wassenauer, P. J. E., Satel, A. L. **Criteria and Indicators for Sustainable Urban Forest Management.** *Arboriculture and Urban Forestry* 37: 118-125. 2011.)

Examples

- Form a Citizens Tree Board
- Provide Education and Outreach

Boulder, Colorado (2017)

Project Example

Issues

- Emerald Ash Borer
- Climate Change

Concerns

- Development
- Environmental Degradation

Ideas

- Plant more trees
- Protect trees – Update City Codes

Opportunities

- More Education – Trees and Human Health
- Community Building – Stewardship Programs



<https://bouldercolorado.gov/forestry/urban-forest-strategic-plan>

Roseville, California (2014)

Project Example

Issues

- Air Quality
- Climate Change

Concerns

- Oak Mitigation and Reforestation
- Tree Care Standards

Ideas

- Increase Forest Connectivity
- More Community Partnerships

Opportunities

- More Education – Tree Care
- Shade Tree Program – Free Trees



<http://rosevilletree.org/resources/roseville-urban-forest-master-plan/>

Kirkland, Washington (2013)

Project Example

Issues

- Stormwater Management
- Climate Change

Concerns

- No Tree Inventory
- Strict Codes

Ideas

- Outreach on Tree Regulations
- Interdepartmental Teams

Opportunities

- Document the Urban Forest Asset
- Program Funding through Partnerships



Urban Tree Canopy Cover = 40.7%
Plantable Acres = no data
Annual Benefits = no data

http://www.kirklandwa.gov/depart/planning/Topics/Urban_Forest_Plan.htm

Stakeholder Interviews

Feedback

15 Hours of Interviews, 29 People

- Need for Unified Strategy
- Arborist on Staff - A Leader for the UFMP
- Create Interdepartmental Work Groups
- Street Tree List concerns
- Complicated Tree Code with not Many Options for Variances
- Tree Bank/Fee In-Lieu
- No Unified Tree Planting Program



- Need Unified Goals
- Park Trees are being Looked at Strategically for Safety Issues
- Street Trees have been Identified in GIS Project, but not Assessed
- Wildlife, Fragmentation, Beavers, LRR Concerns
- Tree Species Diversity? Firs and Cedars or what?

- Need Unified Vision
- Citizens Tree Board
- Education and Outreach Resources
- Good Source of Community Leaders
- Staging Areas for Restoration Projects
- More Salvage Notifications
- Equipment Resources (water truck)

Public Workshop

What we heard on January 31

Community Workshop

- Resources for managing aging trees, tree disease, and invasive species
- More helpful tree list
- Prioritize and incentivize urban forest stewardship
- Tree removal, retention, and replacement policies
 - Too focused on large-scale developments
 - Not enough flexibility for property owners
 - Not sensitive to critical area issues
- Interest in Tree Board, City Arborist



City Council Discussion



Urban Forest Management Plan

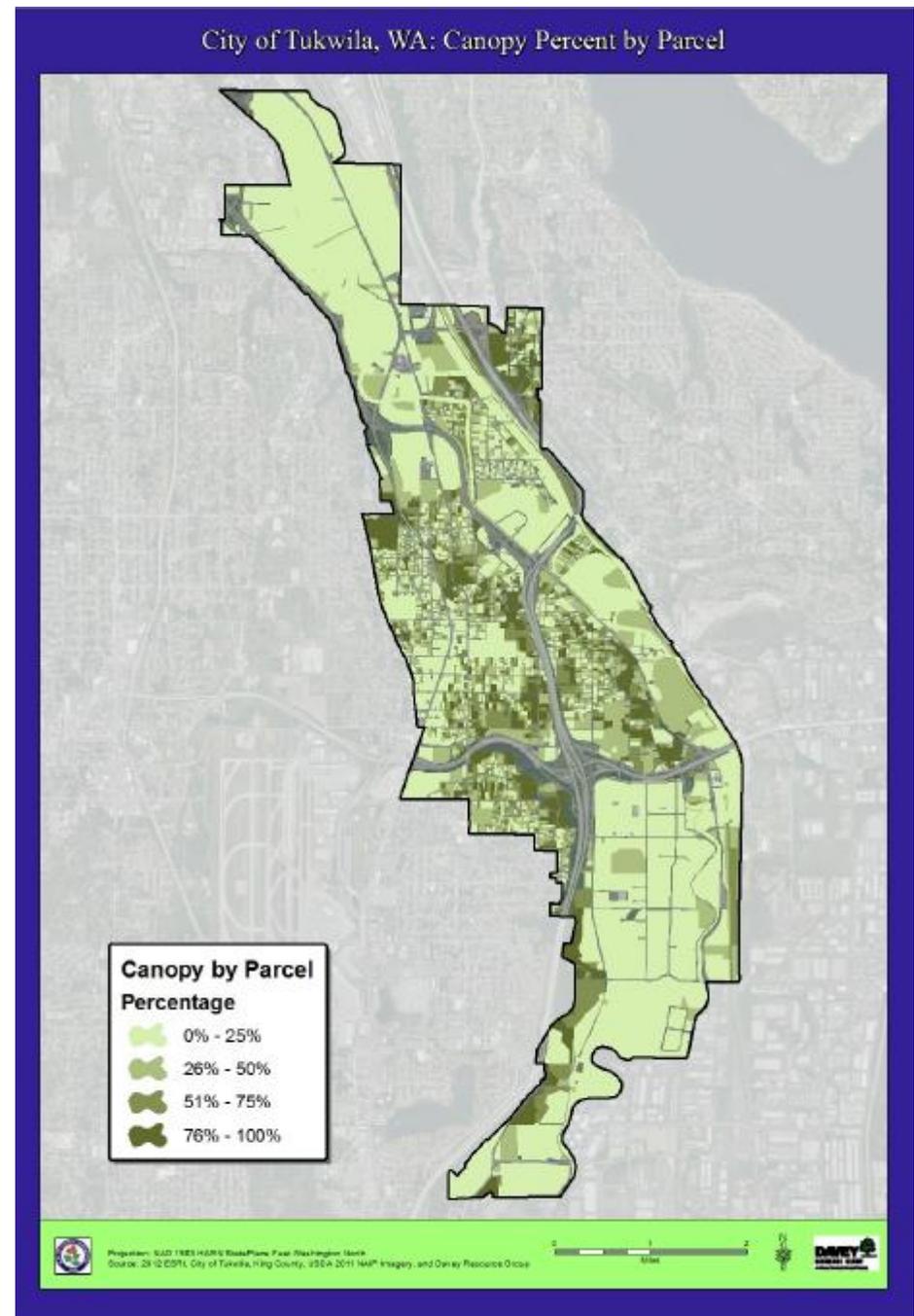
Next Steps



Next Steps

Canopy Cover Assessment

- **Analysis will include**
 - Land Cover Metrics Analysis
 - Ecosystems Services
 - Priority Planting Analysis
 - Report Maps & Imagery
 - Socioeconomic and Demographic Analysis
 - Stormwater Pollution Assessment
 - Tree Canopy Health Assessment
 - Forest Fragmentation



Want to Know More?

Additional Resources



<https://www.treesaregood.org>



<https://www.itreetools.org/>

National Tree Benefit Calculator

Beta

Thank you for choosing this site to calculate the economic and ecological benefits of your tree.

Find your climate zone to get started:

Enter your zip code below:

Submit

<https://www.treebenefits.com>

Visit our Project Website

<https://www.sammamish.us/government/departments/community-development/current-projects/urban-forest-management-plan/>