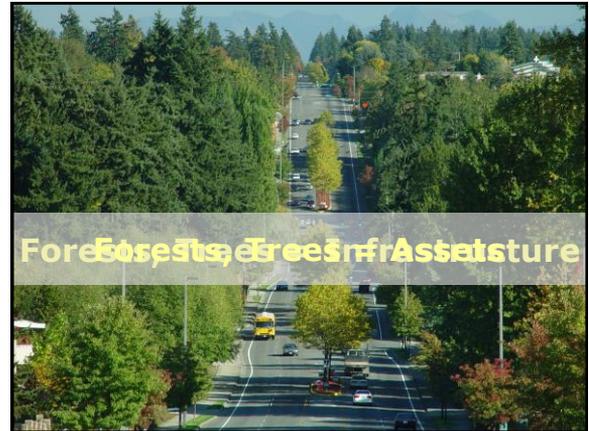


Quality Trees, Quality Cities

Best practices for managing and caring for urban trees

Washington State Department of Natural Resources
Urban and Community Forestry Program

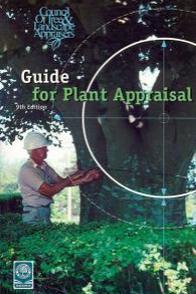
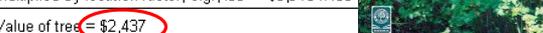




Council of Tree and Landscape Appraisers (CTLA)

Three factors affect tree value: species, condition, these factors are rated from 0 to 100 percent. This taken from the valuation guide:

Circumference of trunk at 4½ feet = 47 (inches)
Circumference multiplied by 0.08 = 177 (square inches)
Multiplied by current value per square = \$27/inch x 177 = \$4,779
Multiplied by species factor, e.g., 85 percent = \$4,062
Multiplied by condition factor, e.g., 75 percent = \$3,046
Multiplied by location factor, e.g., 80 = \$3,046 x 80 = \$2,437
Value of tree = \$2,437

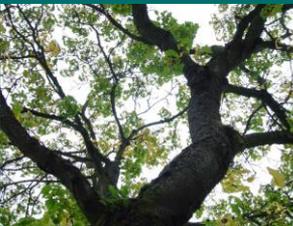
Valuing Tree Benefits




Investment in Urban Trees

\$1.00 Invested
= \$2.00 Returned

Larger trees provide greater benefits




What are "best practices"?



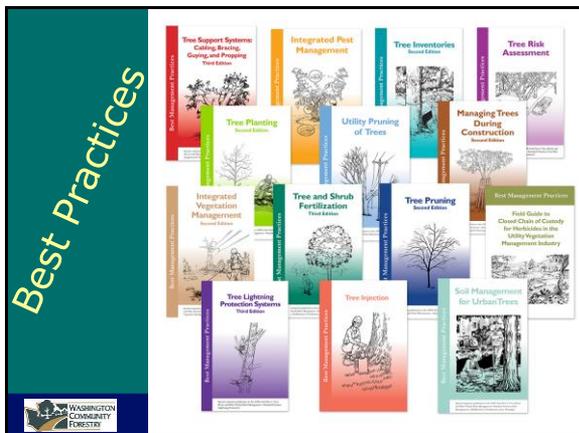



Industry (ANSI) Standards

- Z133 Safety Standard
- A300 Pruning Standard -Part 1
- A300 Soil Management Standard - Part 2
- A300 Lightning Protection Systems Standard - Part 3
- A300 Construction Management Standard - Part 4
- A300 Planting and Transplanting Standard - Part 6
- A300 Integrated Vegetation Management Standard - Part 7
- A300 Root Management Standard - Part 8
- A300 Tree Risk Assessment Standard - Part 9
- Z60 Standards for Nursery Stock

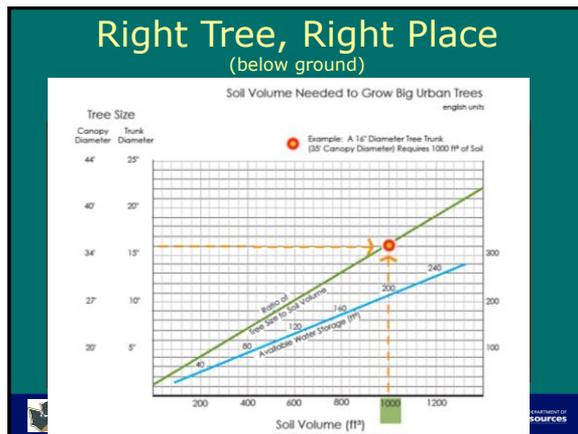
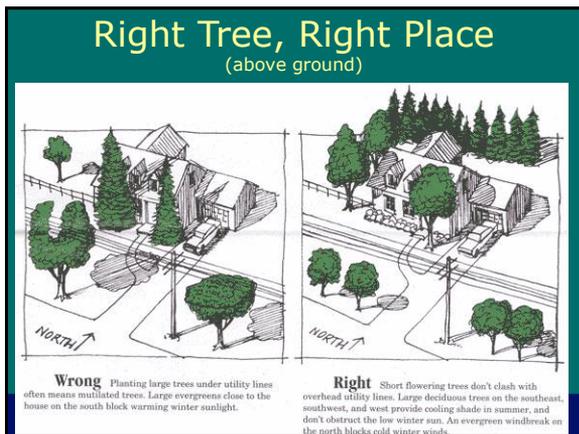
- Pruning (Spanish)
- Utility Pruning (Spanish)
- Tree Planting (Spanish)
- Integrated Vegetation Management (Spanish)

The American Standard for Nursery Stock book cover is shown on the right side of the slide. At the bottom are logos for Washington Community Forestry, the University of Washington (UW), and the Washington State Department of Natural Resources.



Overview of Best Practices for Tree Care

Logos for Washington Community Forestry, the University of Washington (UW), and the Washington State Department of Natural Resources are displayed at the bottom of the slide.



Tree Planting

- Remove container, cage, burlap, tags, twine, etc.
- Locate root flare; plant at grade
- Dig a wide hole
- Stake only if necessary
- **MULCH!**

Tree Mulching

Tree Watering

How Much? How Often? When?

Tree Pruning

- Understand why you're pruning
- Remove no more than 25% of the foliage
- **DON'T TOP TREES!!!**
- Enlist the services of an ISA Certified Arborist

Tree Protection

EH 8994 木 December 2009
Oregon State University Extension Service

Tree Protection on Construction and Development Sites
A Best Management Practices Guidebook for the Pacific Northwest

Pesticide Application

Let's rethink our use of pesticides in the urban landscape

Integrated Pest Management
Best Management Practices

Fertilization

When is fertilizer for trees really necessary?

Tree and Shrub Fertilization
Third Edition
Best Management Practices

Overview of Best Practices for Tree Management

Designate Authority

Either:

- Assign responsibility for tree-related issues to an existing staff member,

OR,

- Consider establishing a community tree board or committee

Adopt a Tree Ordinance

- **Ordinance** –
 - A tool to guide or regulate behavior in favor of a preferred outcome
 - There is no one size fits all ordinance, especially for trees

Guidelines for Developing and Evaluating Tree Ordinances

Planning the Urban Forest: Ecology, Economy, and Community Development
James C. Schuck, General Editor



Include Trees in Other Planning Documents

- Comprehensive Plan
- Department-specific Management Plans
- Urban Forest Management Plan
- Emergency Management or Disaster Response Plan

<http://www.vtfr.org/urban/documents/PlanGuid.pdf>

<http://ufmptoolkit.com/resources-guides-to-UFMP.htm>

Connect Trees with Stormwater Management

"A Tree is a BMP"

STORMWATER to STREET TREES

Engineering Urban Forests for Stormwater Management

Adopt Policies, Specifications and Standard Operating Procedures

Practice and Promote Proper Tree Care

Hire an ISA Certified Arborist

Provide Staff Training

Develop Annual Contracts for Tree Care Services, etc.

Develop an Inventory

Develop a Pruning Cycle and Annual Work Plans

Engage Your Local Utility Provider



TREE LINE USA

WASHINGTON STATE DEPARTMENT OF
Natural Resources

Urban Forest Management

A GUIDE TO COMMUNITY AND URBAN FORESTRY PROGRAMMING

WASHINGTON STATE DEPT. OF
COMMERCE AND
THE EVERGREEN COMMUNITIES
PARTNERSHIP TASK FORCE

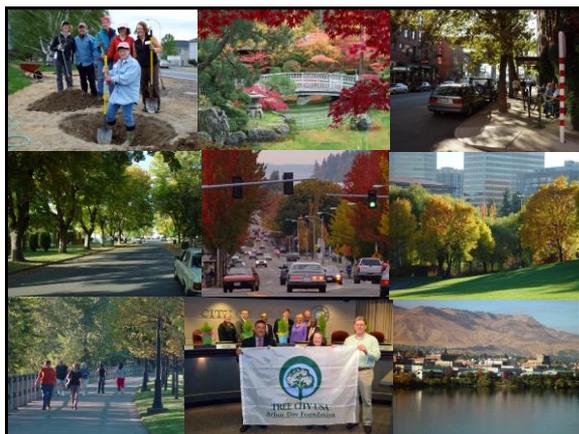


WASHINGTON STATE DEPARTMENT OF
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The cost of prevention rarely exceeds the cost of repair/mitigation.

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WA Department of Natural Resources
Urban & Community Forestry
800-523-8733
www.dnr.wa.gov/urbanforestry



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