# *Quality Trees, Quality Cities*

Ben Thompson
Washington State Dept. of Natural Resources
Urban and Community Forestry Program
Urban Forestry Specialist
(360) 902-1382
ben.thompson@dnr.wa.gov
www.dnr.wa.gov/urbanforestry
www.dnrtreelink.wordpress.com

## Resources and References

**Valuation, costs and benefits of trees:**

Tree Asset Management in Portland, Oregon.
http://www.cnt.org/sites/default/files/publications/CNT_PDXTreeAssetMgmt.pdf

Council of Tree and Landscape Appraisers – *Guide for Plant Appraisal, 9th Edition*. http://www.isa-arbor.com/store/product.aspx?ProductID=93

National Tree Benefit Calculator – http://www.treebenefits.com/calculator/

A Benefit-Cost Analysis of 10 Street Tree Species in Modesto, California, U.S.—
http://www.fs.fed.us/psw/programs/uesd/uep/products/cufr_162.pdf?

Tree City USA Program— https://www.arborday.org/programs/treecityusa

Green Cities :: Good Health http://depts.washington.edu/hhwb/

R.I. Hauer, J.M. Vogt, and B. C Fisher. February 2015. The Cost of Not Maintaining the Urban Forest, *Arborist News*, 24:1. p. 13—
http://www.isa-arbor.com/education/resources/CNMTArboristNewsArticle.pdf

**Industry standards and best practices:**

Industry Standards developed by the American national Standards Institute:
- Z133 Safety Standard for Tree Care Operations
- A300 Pruning Standard -Part 1
- A300 Soil Management Standard - Part 2
- A300 Lightning Protection Systems Standard - Part 3

*urban tree foundation. website*

- 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)

Industry Standards and Best Practices Manuals for Tree Care available for purchase—
http://www.isa-arbor.com/store/category.aspx?cid=117

ANSI Z60 Standards for Nursery Stock—
http://americanhort.org/documents/ansi_nursery_stock_standards_americanhort_2014.pdf\

International Society of Arboriculture; Arborist Certification and Credentials—
http://www.isa-arbor.com/certification/index.aspx

**Overview of best practices:**

Tree Identification

   Common Trees of the Pacific Northwest—http://oregonstate.edu/trees/dichotomous_key.html

   What tree is that? – https://www.arborday.org/trees/whattree/WhatTree.cfm?ItemID=E6A

Tree and Site Selection

   Right Tree in the Right Place— https://www.arborday.org/trees/righttreeandplace/

   Minimum soil volume for trees—
   http://www.deeproot.com/blog/blog-entries/our-recommended-soil-volume-for-urban-trees

Planting

   Washington DNR, Proper Planting Begins Below Ground –
   http://file.dnr.wa.gov/publications/rp_urban_treelinkspr04.pdf

   Dr. Ed Gilman, Steps to planting a tree, University of Florida—
   http://hort.ifas.ufl.edu/woody/summary-planting.shtml

Mulching

   Proper Mulching Technique— https://www.arborday.org/trees/tips/mulching.cfm

## Watering

Tree watering— https://www.arborday.org/trees/tips/watering.cfm

Seattle Dept. of Transportation watering recommendations—
http://www.seattle.gov/transportation/docs/wateringtrees08.pdf

## Pruning

USFS How to Prune Trees— *great!*
http://na.fs.fed.us/spfo/pubs/howtos/ht_prune/htprune-rev-2012-screen.pdf

Dr. Ed Gilman, Structural Tree Pruning Factsheet, University of Florida—
http://hort.ifas.ufl.edu/woody/documents/structural.pdf

WA DNR anti-topping resources— http://www.dnr.wa.gov/anti-tree-topping

## Tree Protection

Tree Protection on Construction and Development Sites, A Best Management Guidebook for the Pacific Northwest—
http://extensionweb.forestry.oregonstate.edu/sites/forestry-extension/files/rp_urban_treeprtctnguidbk(1).pdf

Avoiding Tree Damage During Construction—
http://www.treesaregood.com/treecare/resources/AvoidingTreeDamage.pdf

## Pest and Disease Management

Hortsense, A website dedicated to Integrated Pest Management strategies for common ornamental trees and shrubs in Washington, Washington State University—
http://hortsense.cahnrs.wsu.edu/Search/MainMenuWithFactSheet.aspx?CategoryId=1

## Fertilization

Fertilizing Trees and Shrubs—
http://www.mortonarb.org/trees-plants/tree-and-plant-advice/horticulture-care/fertilizing

Dr. John Ball, Prescriptive Fertilization for Trees, South Dakota State University—
http://grounds-mag.com/mag/grounds_maintenance_prescription_fertilization_trees/

**Urban Forestry Planning and Management:**

A GUIDE TO COMMUNITY AND URBAN FORESTRY PROGRAMMING, WASHINGTON STATE DEPT. OF COMMERCE AND THE EVERGREEN COMMUNITIES PARTNERSHIP TASK FORCE—
http://www.commerce.wa.gov/Documents/GMS-ECA-Comm-Urban-Forestry.pdf

Urban Forestry Best Management Practices for Public Works Managers, American Public Works Association, Volumes 1-4—https://www2.apwa.net/about/coopagreements/urbanforestry/

Schwab, J.C. 2008. Planning the Urban Forest, American Planning Association—https://www.na.fs.fed.us/urban/planning_uf_apa.pdf

Vermont Urban and Community Forestry Program. Guidelines for Developing Urban and Community Forestry Plans—http://www.vtfpr.org/urban/documents/PlanGuid.pdf

Urban Forestry Management Plan Toolkit—http://ufmptoolkit.com/resources-guides-to-UFMP.htm

Bernhardt and Swiecki. 1991, updated 2001. Guidelines for Developing and Evaluating Tree Ordinances—http://www.isa-arbor.com/education/resources/educ_TreeOrdinanceGuidelines.pdf

North Carolina Cooperative Extension Service. 2006. Developing Successful Tree Ordinances—http://content.ces.ncsu.edu/20377.pdf.

Smart Trees Pacific. Urban Forestry Emergency Operations Planning Guide for Storm Response—http://www.smarttreespacific.org/urban-forestry-emergency-operations-planning-guide/

US Forest Service. Urban Tree Risk Management: A Community Guide to Program Design and Implementation. Publication NA-TP-03-03—http://www.na.fs.fed.us/spfo/pubs/uf/utrmm/

EPA, Stormwater to Street trees—http://www.davey.com/media/183712/Stormwater_to_Street_Trees.pdf

Seattle Department of Transportation Street Tree Manual--http://www.seattle.gov/transportation/docs/Street%20Tree%20Manual%20WEB.pdf

Tacoma Urban Forestry Manual— http://www.cityoftacoma.org/cms/one.aspx?objectId=64782

Arboricultural Specifications and Standards of Practice for the City of Spokane—https://static.spokanecity.org/documents/urbanforestry/treefacts/aboricultural-specifications.pdf

A Guide to Urban Forest Inventories— http://edis.ifas.ufl.edu/fr232

Develop a preventative pruning program—https://edis.ifas.ufl.edu/pdffiles/EP/EP31500.pdf

Benefits of a pruning cycle— http://www.umass.edu/urbantree/factsheets/33maintenancepruning.html