



**PORTLAND
PARKS & RECREATION**

Healthy Parks, Healthy Portland



Exhibit B: Urban Forest Action Plan

2011 Implementation Update

February 2012

Urban Forest Action Plan 2011 Implementation Update

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Cover photo: Volunteers measuring and mapping trees during a neighborhood street tree inventory work day in Sellwood-Moreland.

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In FY 2010-2011, volunteers contributed 63,277 hours valued at \$715,024 to diverse urban forestry activities from tree planting (above) to creating neighborhood tree plans (below).

BACKGROUND

In 2007, a City of Portland interbureau team created the *Urban Forest Action Plan* to implement the goals established in the 2004 *Portland Urban Forest Management Plan*. The *Urban Forest Action Plan* contains the major goals and desired outcomes of the management plan, along with 63 action items to attain those goals. Each action item was initially assigned a priority and time frame (current, early, 5-year, and 10-year). This report summarizes annual progress and performance measures for the *Urban Forest Action Plan*, with efforts led by Portland Parks & Recreation Urban Forestry in cooperation with multiple City bureaus. Over half of the action items are either completed or in progress.

Key challenges remain to reaching all goals in the *Urban Forest Action Plan*, and greater support is needed to achieve those goals. Many of the 5- and 10-year actions can only be initiated if so directed and funded through the City's work planning and budget process.

URBAN FOREST ACTION PLAN

GOALS AND OUTCOMES

GOAL 1: PROTECT, PRESERVE, RESTORE, AND EXPAND PORTLAND'S URBAN FOREST.

- **Outcome A: Enhanced Canopy**
The tree canopy is optimized, meeting stocking and canopy targets.
- **Outcome B: Regulatory Program**
The City has a comprehensive, consistent, and clear regulatory program for trees.
- **Outcome C: Development**
The urban forest is enhanced through development and redevelopment.

GOAL 2: DEVELOP AND MAINTAIN SUPPORT FOR THE URBAN FOREST.

- **Outcome A: Shared Stewardship**
Stewardship of the urban forest is shared by residents, agencies, non-governmental organizations, and businesses.
- **Outcome B: Public Education**
The public has a strong awareness of tree benefits and ecosystem health issues; education opportunities are abundant.
- **Outcome C: Stable Resources**
Stable resources support the urban forest.

GOAL 3: MANAGE THE URBAN FOREST TO MAXIMIZE COMMUNITY BENEFITS FOR ALL RESIDENTS

- **Outcome A: Street Tree Distribution**
Street trees are equitably distributed throughout the City.
- **Outcome B: Livability**
The urban forest contributes to the health and wellbeing of Portlanders.
- **Outcome C: Watershed Health**
The urban forest contributes to improved watershed health, including water quality, stream flow, floodplain function, habitat, and biological communities.

NEW PROGRAMS AND PROJECTS

Six Communities Complete Neighborhood Street Tree Inventories and Tree Plans

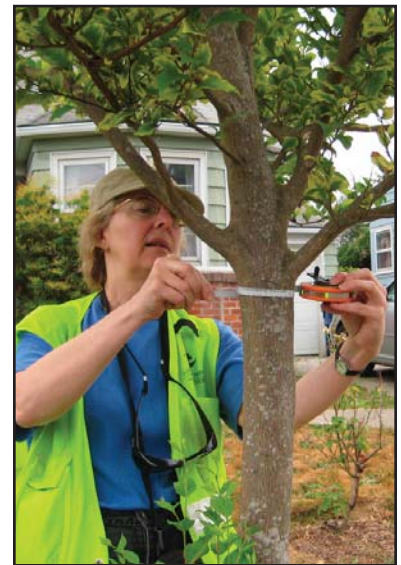
Seeking to empower residents to better care for their neighborhood's tree canopy, PP&R Urban Forestry organized neighborhood stakeholders to conduct volunteer-led street tree inventories in 2010 and 2011. Working in six neighborhoods, 165 volunteers gave 2,400 hours inventorying 25,000 trees. Inventory results, including species diversity, stocking level, site conditions, and ecosystem benefits were presented to neighborhood stakeholders alongside recommendations to improve the neighborhood's trees. Neighborhood tree teams created tree plans that included a vision statement, goals, action items, and recommendations for property owners. Tree teams presented information to their neighborhood associations for community input.

As a result of the project, Concordia, Eastmoreland, Kenton, Overlook, Sellwood-Moreland, and St. Johns neighborhoods now have recognized tree teams to address neighborhood tree concerns, and most are associated with the neighborhood association. Urban Forestry staff will continue to work with these tree teams to provide tree plan guidance and ongoing support. Staff is exploring how to best integrate tree plans into ongoing stewardship efforts, and is seeking funding to expand the project into other neighborhoods.

Canopy Cover Studies Begin

Both the *Urban Forest Action Plan* and Portland Parks & Recreation utilize tree canopy as a performance measure of program success. In addition, meeting the City's tree canopy targets is also called for in the adopted Climate Action Plan and draft Portland Plan. As such, it is vital to choose a methodology that will provide reproducible results between years and at a proper time interval for change to be evident. PP&R Urban Forestry contracted with Davey Resource Group to help establish a canopy change methodology and to conduct a study using point interpretation of aerial photos. The study will measure canopy cover citywide and in four zoning classifications on five-year time frame increments, beginning with years 2000, 2005, and 2010. Results of the the first study will be available in early 2012, and PP&R will continue to use the adopted methodology on a five year time frame.

In addition, The Bureau of Environmental Services and the Bureau of Planning and Sustainability are partnering to develop GIS data



Trained volunteers collected species, size, health, and site condition inventory data for all 4,700 street trees in the Concordia neighborhood as part of a pilot project to develop neighborhood tree plans.

and an approach to track tree canopy trends at a more localized (e.g. neighborhood) scale. These efforts are complementary and will increase understanding of the quantity, quality, and distribution of trees in Portland.

ONGOING PROGRAMS AND PROJECTS

Planting Programs (Table 1):

7,884 street and park trees were planted through the PP&R Urban Forestry permit process in FY2010-2011 by all tree planting partners.

Property Owner and Development Planting: Permits to plant 2,778 street trees were issued to property owners and developers by PP&R Urban Forestry in FY2010-2011.

Grey to Green: 4,232 street trees and 3,116 yard trees were planted by the Bureau of Environmental Services-led Grey to Green program in partnership with Friends of Trees, public partners, and Portland residents in FY2010-2011, the third of a seven-year project. FY2011-2012 goals are to plant 6,422 street and yard trees with these and other partners, including Portland Parks & Recreation, Portland Bureau of Transportation Maintenance Operations, and several Portland area schools. The Environmental Services bureau manages a team of seasonal canvassers who locate planting spaces in the right of way, assist property owners in signing up to plant with Friends of Trees, and conduct planting inspections under the guidance of PP&R Urban Forestry. The greatest challenges to planting street trees in Portland are in finding appropriate planting locations and then securing permission from adjacent property owners to plant in them. City canvassers helped sign up more than half of Friends of Trees' 3,700 Portland customers. Outreach staff also talked with over 1,100 interested people about trees at community events, signing up 153 customers and 110 volunteers to work with partner Friends of Trees.



Grey to Green funds helped plant over 7,000 trees in FY2010-2011, including these trees in southwest Portland in partnership with Friends of Trees.

Parks Planting: 171 large-caliper trees were planted by PP&R Urban Forestry in parks in FY2010-2011, predominately as replacements for trees lost due to old age, failures, vandalism and car accidents. PP&R grows many of their park trees at their Mt. Tabor nursery.

School Arboreta: 160 trees were planted at five sites as school arboreta, called Learning Landscapes, with the help of over 500 students. PP&R installs Learning Landscapes at schools using volunteers, students, and Neighborhood Tree Stewards. These Learning Landscapes provide educational opportunities for students and neighbors to learn about tree genera and the importance of urban trees. Portland Public Schools staff are amenable to tree plantings, and have ensured that community infrastructure is in place to care for, water, mulch and replant the trees as needed.

Regulatory Programs

Portland Parks & Recreation Urban Forestry issues permits for all street and park tree work, including planting, pruning, and removal. In certain cases, UF issues permits for private tree removals. Currently, efforts are guided by City Code 20.40 Street Tree and Other Public Tree Regulations and 20.42 Tree Cutting.

Implementing Tree Rules: 10,900 tree inspections were completed for health assessments, planting, pruning, removals, and other regulated activities in FY2010-2011 under PP&R Urban Forestry (Table 1). PP&R Urban Forestry enforces city tree code regulations related to street trees and some private trees, depending upon the development situation. Much inspection time is dedicated to educating property owners about code requirements and tree care issues. The Bureau of Development Services continues to administer tree preservation requirements when certain types of development are proposed, including new land divisions and development in environmental zones.

Citywide Tree Policy and Regulatory Improvement Project: On April 13, 2011, after extensive public involvement and input from the Planning and Sustainability and Urban Forestry Commissions, Portland City Council unanimously approved the Citywide Tree Policy and Regulatory Improvement Project. A multi-bureau effort led by the Bureau of Planning and Sustainability, the primary Citywide Tree Project charges were directly from the *Urban Forest Action Plan*: 1) establish a clear, consistent and cohesive framework of regulations pertaining to trees in the city; and 2) enhance the urban forest through development and redevelopment. Council referred to the comprehensive overhaul of the city's tree rules as "landmark legislation," and expressed their appreciation for the many Portlanders, organizations, and city bureaus that participated in this multi-year effort.



Title 11 Trees establishes new preservation and planting requirements for trees in development situations.

The final adopted Citywide Tree Project package includes a new consolidated code title, Title 11, Trees. Title 11, Trees, reauthorizes the Urban Forestry Commission and Urban Forestry program, establishes new tree preservation and planting requirements for development, updates the tree removal permit system, and synthesizes and updates enforcement procedures. Council also approved changes to the Portland Zoning Code to encourage quality tree preservation in certain types of land use reviews, and clarifies tree related requirements for environmental resource areas and certain plan districts. The package also includes a number of customer service improvements.

The Citywide Tree Project will be implemented in phases, starting with the first phase of amendments to the Portland Zoning Code which became effective in July 2011. New informational materials, permit tracking system upgrades, and a web-based tree manual are underway or in early stages of development. Implementation of the new consolidated code, Title 11, Trees, and the second phase of Zoning Code amendments are tentatively set to begin in February 2013, together with a new single point of contact, and a 24-hour tree hotline pilot project to help support implementation of the new code.

Given the pending fiscal outlook for fiscal year 2012-2013, the Office of Management and Finance has instructed bureaus not to propose additional spending packages, including for new staff positions, in their upcoming budgets. If the funding for new positions to support the tree code implementation is not authorized, this will likely impact the starting date for the new codes and customer service enhancements. Full implementation is proposed to be delayed until early FY2013-2014.

Education and Outreach Programs

PP&R City Nature teams up with public and non-profit partners to provide provides urban forestry education for the public on the importance of trees in the city.

Neighborhood Tree Steward Program: The Neighborhood Tree Steward (NTS) program is a volunteer training course that gives participants knowledge and tools to lead local urban forestry projects. In 2011 PP&R partnered with members of the Tree Steward Coalition, including the Urban Forestry Commission, the Bureau of Environmental Services, Friends of Trees, Portland State University, and the Portland Fruit Tree Project. The course included seven classes for a total of 26 hours. The course was taught by 22 instructors



Neighborhood Tree Stewards learned winter tree identification at Hoyt Arboretum.

TABLE 1: INSPECTIONS AND PERMITS ISSUED BY PP&R URBAN FORESTRY IN FY10-11

STREET TREES				
	INSPECTIONS COMPLETED	TREES INSPECTED	PERMITS ISSUED	TREES PERMITTED
Planting, property owner	998	1,656	472	1,939
Planting, Grey to Green	3,607	6,505	1,736	4,232
Planting, development requirements	1,597	n/a	716	839
Pruning	997	3,312	1,019	3,525
Removal	820	1,627	684	1,190
Root pruning	646	1,262	527	1,065
General	437	1,290	14	21
PARK AND SCHOOL TREES				
Planting, Parks	56	223	46	171
Planting, School Arboreta	5	0	5	160
Pruning	135	1,905	133	1,897
Removal*	126	493	125	577
Root pruning	14	43	10	24
General	179	3,076	25	186
PRIVATE TREES				
Removals, Tree Cutting Ordinance	1,283	644	224	384
Planting, mitigation	n/a	n/a	n/a	472
EMERGENCY				
Emergency response	427	504	n/a	n/a
TOTALS				
Planting	6,263	8,384	2,975	7,813
Pruning	1,132	5,217	1,152	5,422
Removals	2,229	2,764	1,033	2,151
Root pruning	660	1,305	537	1,089
General	616	4,366	39	207
<i>Totals</i>	<i>10,900</i>	<i>22,036</i>	<i>5,736</i>	<i>16,682</i>

**Park tree removal includes removal of a large number of invasive tree species, such as English holly and European hawthorn.*

from 12 different organizations. A wide variety of topics were covered, including tree identification, permitting, tree identification, tree biology, inventory, and planning projects. Eighteen people from 14 neighborhoods participated, bringing the total number of Neighborhood Tree stewards to 222 trained in the past 13 years.

As a follow up program to the NTS training, six monthly workshops were developed to give continued support to Tree Stewards and encourage others to become involved in urban forest advocacy. Workshops gave participants hands-on experience and all materials and tools were available for participants to recreate similar workshops in their neighborhoods. Workshops included “Prune Like a Pro,” “Winter Tree Identification,” “Assessing Portland’s Heritage Trees,” and “Trees in Natural Areas.”

General Public Educational Workshops: Workshops were given on a variety of topics, including general and mature tree care, young tree pruning, Dutch elm disease prevention, fruit tree pruning, and high climbing demonstrations. In addition, PP&R Urban Forestry staff coordinate neighborhood and Heritage Tree walks and volunteer work days, all intended to educate the community on the different roles and values of trees in their community.



The Summer Youth Crew watered, mulched, and maintained hundreds of trees planted by volunteers throughout Portland’s parks.

Tree Care Providers Workshops: PP&R Urban Forestry staff offer a Tree Care Providers Certification Workshop for local tree care professionals. The program consists of free workshops offered on a semi-annual basis that provide training on city rules and regulations involving trees and approved pruning standards. After completing the workshop and providing proof of a valid business license, workshop participants are listed on the Urban Forestry web site as a “Local Tree Care Provider.” In 2011, two workshops were offered, and to date 36 landscape, consulting, and tree care companies have participated in the program.

Professional Training: PP&R Urban Forestry provided training to other city bureaus and agencies on pruning, tree care, high climber emergency rescue, and planting permit inspections.

Events: Arbor Week events occurred over a week long period in April, and included workshops and tree walks, and culminated in the Annual Arbor Day Celebration at the South Park Blocks. The celebration included the presentation of the 34th Tree City USA award, a community tree planting, educational activities, and a giveaway of

55 native seedlings. The fourth Annual “Dig-It” event kicked off the 2011-2012 planting season by planting 10 trees at George Middle School in St. Johns and graduating the 2011 Neighborhood Tree Steward class.

Volunteer work hours: 63,277 volunteer hours valued at \$715,024 were provided to the urban forest in FY2010-2011, as reported by PP&R. Volunteers planted, pruned, and maintained trees in parks, natural areas, and rights-of-way; removed invasive species; and worked with environmental education events, among other activities.

Citywide Tree Care and Maintenance Programs

PP&R Urban Forestry, with support from the Bureau of Environmental Services, provides tree maintenance for Parks and some additional city-owned properties through inter-agency agreements. In FY2010-2011, maintenance activities included establishment care and watering, pruning, canopy raising, removals, and hazard abatement for Parks, BES, Comnet, Fire Bureau, General Services, Golf, Maintenance Bureau, Portland Department of Transportation, Portland International Raceway, Department of Traffic Management, and the Water Bureau.

Dutch Elm Disease (DED) Control: 51 public and private elms were removed due to DED in 2011 as part of the PP&R Urban Forestry Elm Protection program. Half of the removals occurred in southeast Portland. The program includes vigilant monitoring, timely diagnoses, and preventative maintenance of elms. Staff arborists worked with neighborhood associations and friends groups to provide workshops on DED inoculation and inoculated nearly 500 trees in 2011. The elm program also includes public education on symptom recognition, proper pruning and elm wood disposal.

Emergency Response: PP&R Urban Forestry responded to 427 emergency call outs in FY2010-2011. PP&R Urban Forestry is the first responder to all tree-related emergencies with the city, providing immediate response to hazards around the clock. The majority of incidents involved tree failures that posed a hazard to people, traffic, and infrastructure.

Heritage Tree Program: The Heritage Tree program seeks to give special recognition to old and significant trees in the city. In 2011, six trees were recommended for Heritage Tree status and approved by City Council. In total, 291 trees are now designated Heritage trees, representing 128 species.



PP&R Urban Forestry responded to 427 emergency calls, most involving trees down in the right-of-way.

Summer Youth Crew: PP&R staff hired five high school students from SE Works, a GED and career program, to conduct much needed maintenance and establishment tree work. The Summer Youth Crew worked to water, mulch, and maintain 377 trees planted by Neighborhood Tree Stewards and volunteers. The crew also pruned low limb branches at various Portland Parks for structure, mower clearance, and visibility.

Protect the Best: PP&R's Protect the Best program is designed to prevent small patches of invasive, non-native plant species from spreading in ecologically healthy natural areas in Forest Park, Powell Butte, Buttes Natural Area, Clatsop Butte Park, Maricara Park, Tideman Johnson, Errol Heights, Bundy Property, Whitaker Ponds, Marshall Park and Elk Rock Island. In FY 2010-2011, 538 acres received initial treatments and 761 acres were retreated. Since 2008, approximately 8,300 individual invasive trees (>3" DBH) were removed. The majority of non-native species removed were English holly, European hawthorn, and non-native cherry. The program has exceeded its treatment goals and is moving into the more challenging stages of retreatment and effectiveness monitoring.

Watershed Revegetation Program: The Bureau of Environmental Services' Watershed Revegetation Program (WRP) works on over 1,500 acres of public and private property throughout Portland. WRP removes invasive vegetation as part of site management. WRP planted trees on more than 70 acres in both natural areas and storm water maintenance facilities during FY 2010-2011.



8,300 invasive trees such as this English holly have been removed from parks since 2008 through the Protect the Best program.

PERFORMANCE MEASURES

The UFAP Performance Measures Taskforce began meeting in 2007 to establish a set of performance measures for the *Urban Forest Action Plan* to measure progress in meeting the goals and objectives of the plan. This report contains compiled performance measures using credible existing data for FY2006-2007 through FY2010-2011. The task force will continue to work to establish targets, reporting frequency, and provide review of performance measures.

TABLE 2: BASELINE MEASUREMENTS AND INDICATORS OF PROGRESS IN ACHIEVING UFAP GOALS FOR FY2006-2007 THROUGH FY2010-2011

PROTECT, PRESERVE, RESTORE, AND EXPAND PORTLAND'S URBAN FOREST					
	FY06-07	FY07-08	FY08-09	FY09-10	FY10-11
Urban forest canopy cover* % of total city	26%	-	-	-	-
Urban forest canopy coverage* % of public property	27%	-	-	-	-
Urban forest canopy coverage* % of private property	26%	-	-	-	-
Ratio of street tree plantings to removals	-	-	6.6	11.1	5.9
DEVELOP AND MAINTAIN SUPPORT FOR THE URBAN FOREST					
Volunteer hours, Friends of Trees (FOT)	19,520	17,860	17,003	18,307	22,482
Neighborhood Tree Stewards trained	16	0	0	23	11
Website visits, PP&R Urban Forestry	18,040	32,440	46,959	90,831	70,844
Arboreta developed at Portland schools (total trees planted)	3 (104)	2 (54)	5 (185)	9 (152)	5 (160)
Total funding from grants in PP&R Urban Forestry budget	\$16,944	\$21,702	\$74,804	\$3,660	\$5,096
Total budget, PP&R Urban Forestry	\$2.24M	\$2.52M	\$2.42M	\$2.47M	\$3.06M
MANAGE THE URBAN FOREST TO MAXIMIZE COMMUNITY BENEFITS FOR ALL					
Trees planted in low income and low canopy neighborhoods by FOT	739	962	1,510	1,261	1,597
Carbon sequestration, lbs**	24,854,356	-	-	-	-
Air pollutants removed, lbs **	599,023	-	-	-	-
Stormwater retained, gallons**	413,676,636	-	-	-	-
Canopy cover in riparian areas	-	-	66.6%	-	-

*Urban forest canopy cover is baseline data using imagery for year 2002, but was reported in FY2006-2007

**Carbon sequestration, air pollutants, and stormwater retained is baseline data derived from 2002 conditions and reported in FY2006-2007

DATA SOURCES FOR PERFORMANCES MEASURES

Urban forest canopy cover: Portland's Urban Forestry Canopy Report (2007) derived canopy coverage from a 2002 multispectral image with one-meter resolution.

Ratio of street tree plantings to removals: PP&R Urban Forestry tracks street tree removal and planting permits. Net change is determined by dividing planting permits issued by removal permits issued.

Volunteer hours with Friends of Trees: FOT tracks total volunteer hours each planting season.

Website visits for PP&R Urban Forestry: The City of Portland Urban Forestry website (www.portlandonline.com/parks/trees) tracks total visits.

Arboreta developed: City Nature's Environmental Education program creates Learning Landscapes at willing partner schools in the City. Arboretums developed involve planting multiple trees, creating volunteer network for establishment care, and working with teachers to use the arboreta in classrooms.

Total funding from grants: Amount of funding in the PP&R Urban Forestry budget received from grants.

Total budget, PP&R Urban Forestry: Total budget for Portland Parks and Recreation's Urban Forestry division.

Trees planted in low income and low canopy neighborhoods by Friends of Trees: Trees planted in rights-of-way and yards in neighborhoods with <25% canopy (Poracsky and Lackner 2004) and where >51% of individuals are at or below 80% of the median income according to HUD (2003).

Carbon sequestration, air pollutants removed, and storm water retained: *Portland's Urban Forestry Canopy Report (2007)* used CITYgreen software to calculate the environmental benefits provided by trees based upon classified aerial imagery derived from a 2002 multi-spectral image.

Canopy cover in riparian areas: Reported in the *State of the Watersheds 2008 Environmental Indicators Report* issued by Metro. Corresponds to Indicator 2, the percentage of trees within 50 feet of streams and wetlands. Data were derived from 2007 aerial photographs using Feature Analyst software.

KEY CHALLENGES AND OPPORTUNITIES

Citywide Tree Project: Planning for Implementation

The Citywide Tree Project adopted by City Council was the result of three years of extensive public process and staff work, and public expectations for its implementation are high. An interbureau implementation group is working to prepare for the many changes that Title 11 will bring by the 2012 implementation date. In particular, Parks & Recreation and Bureau of Development Services staff are developing policy and procedures for new permitting requirements. The Bureau of Environmental Services is leading the development of a web-based tree manual. In addition, the bureaus are executing a communications plan, conducting staff training, revising permit databases, submitting housekeeping amendments, and revising all printed materials.

Although the adopted project package includes several streamlining components, refined workload estimates indicate that costs may be higher than the bureaus initially projected. A refined budget reflects the implementation workgroup's increasing familiarity with the new code and the effort required for implementation. Bureaus will continue to identify approaches to improve program efficiency and cost effectiveness. Funding is necessary to implement key elements of the new code, including creating a single point of contact position and handling the increased workload in tree inspection, permitting, and enforcement for both Parks & Recreation and Bureau of Development Services. Allocating additional funding in FY2012-2013 will be challenging, especially given the recent forecast predicting declining City revenue that will require substantial general fund budget cuts.

Funding for the Urban Forest

The Grey to Green investment in outreach, education, and tree planting has brought key partnerships and leveraging power to programs supporting Portland's urban forest. The Grey to Green program supports local non-profits Friends of Trees and Verde, invests in other green jobs in the community, works towards the city's tree canopy cover and carbon reduction goals, and supports community outreach and education programming in multiple bureaus. Continued funding of a tree planting program is an effective and efficient way to meet multiple objectives while investing in an ever more livable Portland.

In addition to planting programs, a commitment to maintenance of young and mature trees is needed to ensure their continued growth and contribution to the urban forest, thus maximizing the City's investment in this important resource.

Integrating the Urban Forest into the Portland Plan

The "Portland Plan" is the City's new strategic plan. With an eye toward the year 2035, the plan establishes goals, objectives and short-term actions to achieve long-term prosperity, education, health and equity. The Portland Plan also helps set the stage for the City's Comprehensive Plan update which will occur in phases over the next three years.

The Portland Plan explicitly recognizes the importance of trees for healthy neighborhoods and watersheds, for reducing greenhouse gas emissions, and for community identity and resiliency. The Portland Plan recognizes the City's Urban Forest canopy targets in the 2035 objectives for a Healthy Connected City. One of the objectives calls for trees to shade one-third the city, and to be more equitably distributed.

The Portland Plan also recognizes tree canopy as an important equity issue. One of the plan's "Measures of Success" calls for all residential neighborhoods, commercial, and industrial areas to meet tree canopy targets.

Comprehensive Plan Update

During 2012, the City will be completing an update of the Portland Comprehensive Plan. The update will address numerous issues, guided in part by the objectives and guiding policies in the Portland Plan. The updated Comprehensive Plan policies will also reflect the goals and policies of other adopted City plans, including Urban Forest Management Plan goals and desired outcomes.

Establishing strong Comprehensive Plan policies for urban forest quantity, quality and distribution will establish a basis for more systematic consideration of the urban forest in land use planning and other city planning efforts. It is important that City bureaus implementing the plan and Urban Forestry Commission participate in this effort.