

# Metro | Agenda

**Meeting:** Metro Council Work Session  
**Date:** Tuesday, November 4, 2014  
**Time:** 2 p.m.  
**Place:** Metro Regional Center, Council Chamber

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## CALL TO ORDER AND ROLL CALL

**2 PM**      **1. CHIEF OPERATING OFFICER  
COMMUNICATION**

**2:15 PM**      **2. METRO PARKS AND NATURAL AREAS**      **Kathleen Brennan-Hunter, Metro**  
**(60 Min)**      **SYSTEM PLAN**      **Justin Patterson, Metro**

**3:15 PM**      **3. 2014 SUSTAINABILITY REPORT**      **Molly Chidsey, Metro**  
**(25 Min)**

**3:40 PM**      **4. COUNCIL LIAISON UPDATES AND COUNCIL  
COMMUNICATION**

**ADJOURN**

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ការគោរពសិទ្ធិពលរដ្ឋរបស់ ។ សំរាប់ព័ត៌មានអំពីកម្មវិធីសិទ្ធិពលរដ្ឋរបស់ Metro ឬដើម្បីទទួលបានក្បួនលំអររើសអើងសូមចូលទស្សនាការប្រកាស [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights)។  
បើលោកអ្នកត្រូវការការបកប្រែភាសានៅពេលអង្គប្រជុំសាធារណៈ សូមទូរស័ព្ទលេខ 503-797-1700 (ម៉ោង 8 ព្រឹកដល់ម៉ោង 5 ល្ងាច ថ្ងៃធ្វើការ) ប្រាំពីរថ្ងៃ ថ្ងៃធ្វើការ មុនថ្ងៃប្រជុំដើម្បីអាចឲ្យគេសម្រួលតាមសំណើរបស់លោកអ្នក ។

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Agenda Item No. 2.0

**METRO PARKS AND NATURAL AREAS SYSTEM PLAN**

Metro Council Work Session  
Tuesday, November 4, 2014  
Metro Regional Center, Council Chamber

**METRO COUNCIL**  
**Work Session Worksheet**

**PRESENTATION DATE:** Nov. 4, 2014

**LENGTH:** 60 Minutes

**PRESENTATION TITLE:** Metro Parks and Natural Areas System Plan

**DEPARTMENT:** Sustainability Center, Parks and Environmental Services

**PRESENTER(S):** Kathleen Brennan-Hunter x1948, Justin Patterson x1886

**ISSUE & BACKGROUND**

**What have we been doing?**

During the last 20 years, a vast constellation of public land has quietly taken shape across the Portland metropolitan area. Starting with the closure of the St. Johns Landfill and transfer of Multnomah County's parks and cemeteries, Metro has evolved into a major landowner and manager. Twice, the region's voters have directed Metro to acquire additional natural areas for the benefit of the public to protect water quality, wildlife habitat and opportunities for people to connect with nature. Metro's portfolio has grown to nearly 17,000 acres.

In addition to the natural areas acquired with voter-approved bonds, Metro has responsibility for a number of developed park sites that serve some of the most diverse populations of people in the region. More than 1.3 million people visit these places each year to enjoy hiking, bird watching, canoeing, golfing, camping, boating, fishing, picnicking, weddings and special events. Some Metro properties have been public destinations for more than half a century.

**Why are we here?**

Metro's portfolio of parks, natural areas and nature programs has grown dramatically during the past two decades, laying the groundwork for a world-class regional park system – a major drawing card for residents and businesses. To realize that opportunity, Metro needs a system plan that guides the vision and strategic planning of regional parks, nature parks, natural areas, trails, visitor programs and grant programs. This planning effort will describe where we come from and who we are, where Metro parks and natural areas are heading, what the region needs for the future, what Metro destinations should look like and how the region can work together to build this vision. The system plan will bolster public trust, increasing support for long-term investments in a regional park system and helping Metro fulfill its mission of making a great place.

This effort builds on previous work, including the 2011 Portfolio Report, which analyzed opportunities and challenges for Metro's natural areas, parks and trails. The system plan will spell out values, strategies and actions in an engaging, easy to use and dynamic document, with strategies updated every five years and values updated every 10 years. It will transform Metro's nature work from a series of very good projects into an integrated vision – going from transactional to transformational. This is a very exciting opportunity for Metro to fulfill the vision of the region's voters. The resulting plan could become a model for other agencies and will provide a solid foundation for planning the future of Metro's work. This project includes three major milestones:

October 2014: Analyze baseline information and initial public input that will shape the parks and natural areas system.

July 2015: Release a vision plan that articulates the mission for Metro's regional system, values that guide it and strategies that set the direction, including a map showing where future parks will be opened.



December 2015: Release the first action plan to begin putting Metro's parks and natural areas vision on the ground.

**Who have we talked to and what did we hear?**

Staff have been reviewing data and other information about Metro's parks and natural areas, including existing policy, facilities, databases, GIS and more. Staff have also reviewed and inventoried existing strategies and actions, including operations, stewardship, planning, land management, visitor programs, funding and maintenance on our parks and natural areas.

Metro staff have reached out to the public, partners, stakeholders and other internal staff to find out what they value about natural areas. Their input has played a major role in shaping the values that will serve as a foundation for the system plan.

The community engagement for the system plan has completed its preliminary phase of public outreach. It identifies the values of community members, stakeholders and partners across the region, as well as Metro staff. Common themes were heard throughout the community engagement values phase. People love nature, they love being in nature, and they love the benefits they receive, like clean air and water and healthy habitat from a healthy natural environment. These values point to a foundation that may be framed to uphold the other values of nature, especially as we move to writing a tangible and technical plan for the parks, trails, and natural areas system plan.

**Where are we now?**

After analysis the system and listening to the public, partners, and staff we have a set of draft values we would like Council to review, provide feedback on, and give us direction going forward into the next phase of the project. We want to hear from you on three key questions:

- Are the draft values we have prepared consistent with the Metro Council's vision?
- How can these values serve as a foundation for Metro's parks and natural areas system plan?
- How do you want to be engaged during the next phase of the project; from now until the presentation of the system plan to Council in July 2015?

**What will we be doing next?**

Our next steps will be to develop the Parks and Natural Areas System Plan and have it ready for council adoption by July 2015. This cohesive vision will define the regional park system's mission, values and strategies, drawing on information and input from the first phase of the project. During this second phase, additional community and partner engagement will affirm the values and discuss the strategies to guide Metro's efforts for the next 20 years. The final document will have an introduction summarizing values and strategies to lay out Metro's direction. Following chapters will each cover a value and the policies used to achieve it. These chapters will highlight details of the strategies, including for example, a map showing where future parks will be opened or a diagram showing grant opportunities and approaches to disperse them

**LEGISLATION WOULD BE REQUIRED FOR COUNCIL ACTION**  Yes  No

**DRAFT IS ATTACHED**  Yes  No

## DRAFT VALUES

### 1. Nature

Protecting and restoring nature for future generations is at the heart of Metro's role. People come to Oregon – and stay here – for clean water, fresh air and healthy wildlife habitat. They can depend on Metro to safeguard those qualities across the forests, prairies, wetlands and riverbanks that voters have protected. By connecting these places across the region, we help plants and animals thrive in an urban environment.

### 2. Recreation

Nature supports healthy, active outdoor lifestyles. Whether you're strolling through a forest listening for birds, kayaking on the Willamette River or jogging on a regional trail, you will find a destination that meets you where you are.

### 3. Connections

People depend on nature for peace, quiet and renewal. Metro provides opportunities to immerse yourself in nature – and give back – by learning, volunteering, forging partnerships and gaining confidence in the outdoors.

### 4. Strong and Resilient Communities

Nature makes our communities happier, healthier and wealthier. By protecting regional parks, trails and natural areas, we create a big backyard for people living in urban areas. We strengthen community identity. We connect people with their homes, their jobs and one another. We attract businesses to the region and build communities where people want to live.

### 5. Equity

Whoever you are and however you want to experience nature, there's a place for you at regional parks, trails and natural areas. Everyone should feel safe and welcome in nature close to home. Working together, we can help make sure everybody benefits from natural resources in their community.

### 6. Stewardship

Caring for regional parks and natural areas should be economically, environmentally and socially sustainable. Metro is committed to taking good care of the nature voters have protected and providing an exceptional experience for visitors.

Agenda Item No. 3.0

**2014 SUSTAINABILITY REPORT**

Metro Council Work Session  
Tuesday, November 4, 2014  
Metro Regional Center, Council Chamber

# METRO COUNCIL

## Work Session Worksheet

**PRESENTATION DATE:** November 4, 2014

**LENGTH:** 25 minutes

**PRESENTATION TITLE:** 2014 Sustainability Report

**DEPARTMENT:** Sustainability Center

**PRESENTER(S):** Molly Chidsey, Sustainability Coordinator, x1690,  
Molly.Chidsey@oregonmetro.gov

### WORK SESSION PURPOSE & DESIRED OUTCOMES

Purpose:

- Share progress to date toward Metro's Sustainability Plan goals and highlight key projects completed in fiscal year 2013-14.
- Provide an opportunity for questions from Councilors about key priorities for fiscal year 2014-15.
- Discuss opportunities to further advance sustainability in Metro's internal operations.

Outcome:

- Enhanced understanding of Metro Sustainability Plan goals and progress to date.
- Feedback from Council about strategic priorities for making progress towards goals.

### TOPIC BACKGROUND & FRAMING THE WORK SESSION DISCUSSION

In 2003, the Metro Council set an ambitious target for internal operations to be sustainable within one generation. To this end, the Council adopted goals in five key categories to reduce the agency's environmental impact: greenhouse gas emissions, toxics, waste, water and habitat (Resolution No. 03-3338). Metro's Sustainability Plan, adopted by Council in 2010 (Resolution No. 10-4198), outlines the strategies and actions and requires an annual report to Council on progress made toward the goals in the plan.

Last fiscal year, Metro facilities and visitor venues made significant progress, especially in the areas of energy efficiency and water conservation. The first part of this work session presentation will focus on how Metro's investments in sustainable operations projects move the agency closer to meeting its goals.

Many of the projects Metro completed since the Sustainability Plan was adopted could be considered "low hanging fruit." To maintain Metro's position as a leader on sustainability, we need to maintain our commitment to the sustainability goals and effectively prioritize, schedule and fund projects that support those goals.

The conclusion of the work session discussion will focus on strategic priorities for the agency. These priorities include:

- Building capacity at Metro to do advanced, ongoing analysis of energy and utility usage to inform decisions at the facility operations level.
- Pursuing creative funding opportunities for larger-scale projects that have significant impact on Metro's internal sustainability goals.

- Continuing to build sustainable operations work into departmental and venue annual budget proposals.

#### **QUESTIONS FOR COUNCIL CONSIDERATION**

- Do you have questions or need additional information about our progress to date?
- Do you have questions or guidance regarding the strategic priorities?
- Is the annual sustainability report an effective tool for communicating Metro's progress relative to goals? If not, how could it be improved?

#### **PACKET MATERIALS**

- Would legislation be required for Council action  Yes  No
- If yes, is draft legislation attached?  Yes  No
- What other materials are you presenting today? 2014 Sustainability Report



# Sustainability Report

FY 2013-2014

October 31, 2014

greenMetro

## ABOUT METRO

Clean air and clean water do not stop at city limits or county lines. Neither does the need for jobs, a thriving economy, and sustainable transportation and living choices for people and businesses in the region. Voters have asked Metro to help with the challenges and opportunities that affect the 25 cities and three counties in the Portland metropolitan area.

A regional approach simply makes sense when it comes to providing services, operating venues and making decisions about how the region grows. Metro works with communities to support a resilient economy, keep nature close by and respond to a changing climate. Together we're making a great place, now and for generations to come.

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[www.oregonmetro.gov/connect](http://www.oregonmetro.gov/connect)

### **Metro Council President**

Tom Hughes

### **Metro Councilors**

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Carlotta Collette, District 2

Craig Dirksen, District 3

Kathryn Harrington, District 4

Sam Chase, District 5

Bob Stacey, District 6

### **Auditor**

Suzanne Flynn

## TABLE OF CONTENTS






Introduction .....	1
Sustainability Scorecard .....	2
Meet the Green Teams .....	3
<b>Part 1: Key accomplishments</b>	
Oregon Convention Center highlights .....	5
Portland’s 5 Centers for the Arts highlights .....	7
Portland Expo Center highlights .....	8
Oregon Zoo highlights.....	9
Parks and Environmental Services highlights .....	10
<b>Part 2: Progress toward sustainability goals</b>	
Goal 1: Reduce greenhouse gas emissions .....	16
Goal 2: Choose nontoxic .....	19
Goal 3: Reduce waste.....	21
Goal 4: Conserve water.....	23
Goal 5: Enhance habitat and reduce stormwater.....	25
<b>Part 3: Appendix</b>	
Utility costs.....	28
Energy efficiency investments .....	29
Sustainable procurement.....	30
Greenhouse gas emissions (FY12-13) .....	31
About the Metro Sustainability Program.....	32



## INTRODUCTION

As a regional government committed to promoting sustainable communities, Metro is working to reduce its own ecological footprint. This report describes the efforts to reduce the environmental impact of Metro's public venues, parks, buildings and solid waste facilities.

In 2003, the Metro Council set an ambitious target for internal operations to be sustainable within one generation. To this end, the council adopted goals in five key categories to reduce the agency's environmental impact:

	<b>Reduce carbon</b>	Reduce direct and indirect greenhouse gas emissions to 80 percent below 2008 levels.
	<b>Choose nontoxic</b>	Eliminate the use or emissions of persistent bioaccumulative toxics (PBTs) and other priority toxic and hazardous substances.
	<b>Prevent waste</b>	Reduce overall generation of waste, and recycle or compost all remaining waste.
	<b>Conserve water</b>	Reduce water use to 50 percent below 2008 levels.
	<b>Enhance habitat</b>	Ensure that Metro's parks, trails, natural areas and developed properties positively contribute to healthy, functioning ecosystems and watershed health.

Metro's comprehensive sustainability plan identifies strategies plus nearly 100 actions to achieve the above goals. **The goals are slated for completion by 2025 or, in the case of greenhouse gas emissions, 2050.** The Metro Council adopted this plan by resolution on Oct. 7, 2010. The plan and past years' progress reports are available online at [www.oregonmetro.gov/greenmetro](http://www.oregonmetro.gov/greenmetro).

The sustainability plan is one part of a larger framework of sustainability and services at Metro. Metro defines sustainability as one of a triple bottom line: outcomes that support not only a healthy environment but also an equitable community and a strong regional economy.

For more information about Metro's work on organizational diversity and regional equity, please see Metro's Diversity Action Plan and Equity Strategy Program.

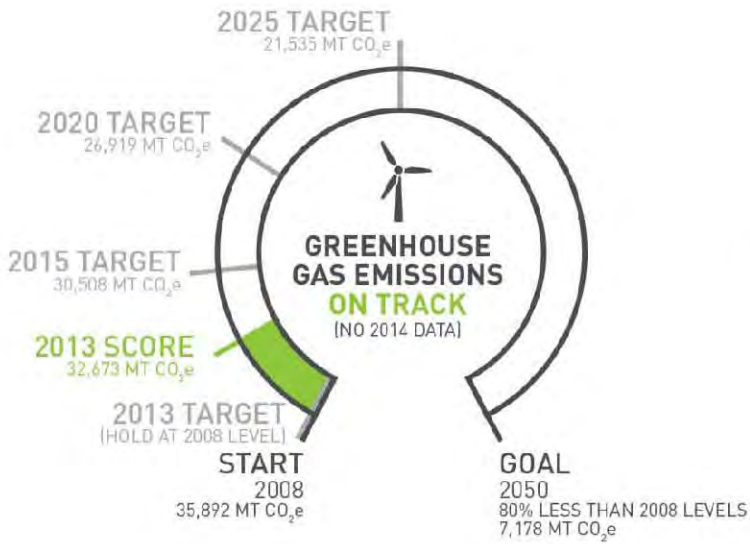
Metro's Diversity Program: [www.oregonmetro.gov/diversity](http://www.oregonmetro.gov/diversity)

Metro's Equity Strategy: [www.oregonmetro.gov/equity](http://www.oregonmetro.gov/equity)

### *Metro Value of Sustainability*

We are leaders in demonstrating resource use and protection in a manner that enables people to meet current needs without compromising the needs of future generations, and while balancing the needs of the economy, environment, and society.

# SUSTAINABILITY SCORECARD



**greenMetro**

[www.oregonmetro.gov/greenmetro](http://www.oregonmetro.gov/greenmetro)



## MEET THE GREEN TEAMS FY13-14



**OCC Sustainability Team members:** Larry Buskrud, Stefanie Arnold, Claire Papas, Sara Zeck, Lindsey Newkirk, Shauna Ladue, Erin Rowland (chair), Bill Stratton, Nathan Dickie, Matt Nicoll. *Not pictured:* Matthew Uchtman and Lisa Grau.



**Metro Regional Center Green Team members:** Robyn Brooks, Jodi Wacenske, Patrick Morgan, Sabrina Gogol (chair). *Not pictured:* Ramona Perrault, Paulette Copperstone, Marina Nelson.



**Metro Sustainability Steering Committee members:** Jason Blackwell, Rick Hanes, Matthew Uchtman, Jim Caldwell, Rory Greenfield, Molly Chidsey, Lydia Neill, Susan Boase, Erin Rowland. *Not pictured:* Penny Erickson, Ed Williams.



**Oregon Zoo Green Team members pictured:** Jeremy Kirby, Philip Fensterer, Nancy Kluss, Rick Hanes (chair), Karen Lewis, Michael Weatherman, Terry Pelham. *Not pictured:* Anya Bogorad, Tyson Stoianoff.



**Portland's 5 Centers for the Arts Green Team members:** Robyn Williams (Director), Stephanie Viegas Dias, Rich Wehring (Chair), William Stitt, Jeannie Baker, Dave Woodman, Courtney Dykstra, Jeanne Uding, Andrea Gratreak.



**Parks and Environmental Services Green Team members:** Jim Quinn, Shellie Moran, Andrew Judkins, Greg Chavira, Therese Mitchell, Chelsea Althausser, (not pictured) Evan Harwood.

**PART 1:**

**KEY**

**ACCOMPLISHMENTS**



## Oregon Convention Center achieves LEED platinum rating

In March 2014, the Oregon Convention Center learned from the [Green Building Certification Institute](#) that the facility had achieved LEED Existing Building Certification at the Platinum level. Platinum is the highest rating level achievable and the Oregon Convention Center is now one of only three in North America to be certified as platinum.



Supports all goals



Oregon Convention Center staff are leaders in operating a sustainable center. Starting in 2004, the convention center was the first to be LEED Certified for Existing Buildings, followed by a Silver certification in 2008. To earn LEED certification, a facility meets points within seven categories with an emphasis on building efficiency. In the past year, Oregon Convention Center sustainability coordinator Erin Rowland saw a significant increase in the building's energy efficiency score due to overall impacts of lighting replacements and other projects, as well as a focus on alternative commuting for employees. "We felt platinum was within our reach," says Erin. "It's a pretty intense process, but the final result was well worth it."

Watch [OCC's video highlighting their sustainability accomplishments](#), and see the next page for a summary of the year's accomplishments and online at <http://www.oregoncc.org/sustainability/>.

## Oregon Convention Center first in the world to achieve highest level of international sustainability certification

The Oregon Convention Center is the first venue in the world to be awarded a Level Four international sustainability certification, the highest level of certification achievable, from the international standards organization ASTM (formerly known as the American Society for Testing and Materials). The [ASTM Venue Standard](#) measures environmentally sustainable meetings, events, trade shows and conferences.



Supports all goals

The ASTM Venue Standard, in partnership with the Green Meeting Industry Council, defines requirements and performance criteria for staff management, communications, waste management, energy, air quality, water, procurement and community partners.



# Year in Review: Sustainability Highlights



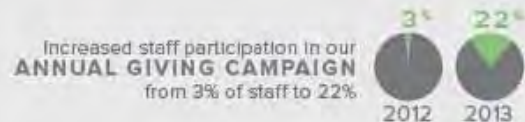
## GOAL 1

Contribute to the social and economic vitality of the Lloyd district and residents of surrounding neighborhoods

35,000  
meals



Donated 20.86 TONS OF FOOD to Blanchet House of Hospitality and the Oregon Food Bank



Committed three staff members to SERVING ON THE LLOYD ECO-DISTRICT BOARD and advisory committees



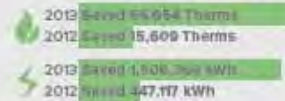
## GOAL 2

Increase operational efficiencies in energy, water, waste, and toxics



Developed a strategic ENERGY MANAGEMENT program and policy

### ENERGY SAVINGS



Increased RECYCLING OPTIONS to attendees in the building



## GOAL 3

Boost our sustainability communication to employees, exhibitors and guests

Installed a permanent SUSTAINABILITY EXHIBIT

Updated sustainability resources for clients, including a NEW VIDEO



## GOAL 4

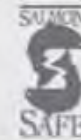
Strengthen our position as an innovative leader in sustainable practices for convention centers and the industry



One of two convention centers in the U.S. to earn LEED PLATINUM



First convention center in the world to be GMIC-verified as a Level 4 APEX/ASTM Venue for environmentally sustainable meetings



Re-certified as a SALMON-SAFE FACILITY



## GOAL 5

Create an annual report to document our progress toward our goals



Developed an internal REPORTING TOOL to evaluate progress

Highlighted our major achievements with a "YEAR IN REVIEW" fact sheet





# PORTLAND'5

## CENTERS FOR THE ARTS

### Retrofitting toilets saves water with every flush

54 toilets and urinals were retrofitted with low-flow valves or replaced completely at Antoinette Hatfield Hall and the Newmark Theater. The retrofits will save nearly 420,000 gallons of water and at least \$6,000 in water costs annually.

### Brighter, more efficient bulbs light Portland'5 Centers for the Arts

The lights on Broadway are shining brighter but not hotter. Thanks to a partnership with Energy Trust of Oregon, the Portland'5 Centers for the Arts is moving towards a more sustainable future – one light bulb at a time.

In July, 7,642 light bulbs were changed at different areas outside Arlene Schnitzer Concert Hall, the Newmark, Brunish and Winningstad Theatres, including the marquees over both entrances of the Schnitzer Concert Hall and along both sides of the iconic Portland sign. Familiar but energy-draining 11-watt bulbs were finally replaced by longer-lasting and energy efficient two-watt LED bulbs. This process will help Portland'5 save energy, staff time, and, of course, dollars – \$18,069 annually, to be exact.

The new bulbs will save 186,000 kilowatt hours – enough to power 16 homes. For the Portland'5 lighting project, Energy Trust's lighting experts helped Portland'5 find the proper kind of bulbs and also chipped in \$46,582 in incentives, or 26% of the \$182,200 cost to replace and install the bulbs.

For the whole story, go to [www.portland5.com/news/brighter-more-efficient-bulbs-light-portland'5-centers-arts-theatres](http://www.portland5.com/news/brighter-more-efficient-bulbs-light-portland%E2%80%99s-centers-arts-theatres).



Dual-flush valves at Antoinette Hatfield Hall will help save 420,000 gallons of water a year.



Energy hogging 11-watt bulbs were swapped out for super efficient 2-watt LED's on the Portland marquee. Photo by December Carson.



## Portland Expo Center debuts unique living stormwater green wall

A new stormwater green wall installed at Portland's Expo Center is unique, even by this city's already high standards. Located at the Expo Center's Hall E, the green wall is special because it manages stormwater runoff. Green walls are traditionally built for their ability to cool down warm climates and provide a sense of nature in urban environments.



Portland Expo Center green wall. Photo courtesy of GreenWorks

Funded largely by a grant received by Portland's Bureau of Environmental Services from the U.S. Environmental Protection Agency, the green wall was designed, engineered and constructed by Portland-based GreenWorks Design, Cascade Design and Colton Construction. Standing 30-feet tall and 60-feet long, the free-standing structure is made of steel and aluminum and is adorned with soil and vegetation native to Oregon, particularly the Columbia River Gorge, and receives rain water runoff from a roof area of 9,500 square feet.

For more information visit [www.oregonmetro.gov/news/portland-expo-center-debuts-unique-living-stormwater-green-wall](http://www.oregonmetro.gov/news/portland-expo-center-debuts-unique-living-stormwater-green-wall).

## Expo donates recyclable, returnable bottles and cans to local youth groups

The Portland Expo Center donated 3.5 tons of returnable beverage containers to local schools and youth-serving nonprofit organizations last year. Beverage containers like metal cans, plastic bottles and glass bottles consumed by visitors to the Expo Center are collected for recycling. Those with a refundable five cent deposit are donated to organizations that turn in the containers for the deposit, which in turn is used to fund their education programs.



Recipients of these recyclables include Roosevelt High School, Jefferson High School, King Elementary School, Boy Scouts of America, and Sea Scouts. Programs benefitting from these donations include sports, after school education and robotics. Expo Center is proud to contribute to youth education throughout the neighborhoods surrounding the Expo Center, while promoting sustainable practices.





The Oregon Zoo aspires to be a model of sustainability by putting conservation of natural resources at the forefront of its daily operations and planning for future improvements. In 2008, voters supported a \$125 million bond for improvements to the zoo. Upgrades included transforming existing facilities to increase water conservation, new animal habitats and new veterinary and education centers. The Veterinary Medical Center, completed in 2011, is LEED Gold certified by the U.S. Green Building Council. Upcoming projects, including [Elephant Lands](#) – slated to open in 2015 – incorporate cutting-edge technology to reduce the impact on wildlife while enriching the lives of animals at the zoo. Educating and inspiring the community to take action on behalf of the natural world is essential to the Oregon Zoo’s mission, and the zoo aims to lead by example. For a summary of sustainability projects underway, watch this video produced by Portland’s KATU news: [www.katu.com/familymatters/go\\_green/OREGON-ZOO--SUSTAINABILITY-255872561.html?tab=video&c=y](http://www.katu.com/familymatters/go_green/OREGON-ZOO--SUSTAINABILITY-255872561.html?tab=video&c=y)

### Zoo goes geothermal with underground heating-cooling system for elephant and polar bear exhibits

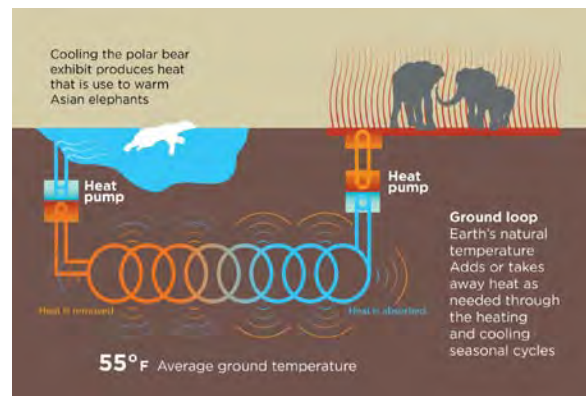
Polar bears like it cool, elephants like it warm and the Oregon Zoo likes it sustainable. Zoo construction crews have begun work on a project that will let these two endangered species keep each other's thermostats at comfy levels via an innovative high-tech system buried 12 feet underground. This geothermal loop captures heat that is created as a byproduct of cooling the polar

bear swimming pools at the zoo and directs it through coiled pipes buried deep in the Elephant Lands exhibit. This and other energy-efficient design systems are expected to cut Elephant Lands' energy use in half.



For the full story, see [www.oregonzoo.org/news/2014/09/zoo-polar-bears-will-use-slinky-warm-elephants](http://www.oregonzoo.org/news/2014/09/zoo-polar-bears-will-use-slinky-warm-elephants).

See the latest in Oregon Zoo sustainability news: [www.oregonzoo.org/news/category/sustainability](http://www.oregonzoo.org/news/category/sustainability).



How the new geothermal heating-cooling system will work at the Oregon Zoo.



Subterranean geothermal system installation in progress at the Oregon Zoo.

## PARKS AND ENVIRONMENTAL SERVICES

### Glendoveer Golf and Tennis Center: solar golf cart barn

When the time came to build a new barn to house golf carts at Metro's Glendoveer Golf and Tennis Center, the team at Parks and Environmental Services incorporated solar into the design. This gave them the ability to replace 90 gas powered carts with 75 electric golf carts that could be charged by the solar panels while they are parked in the barn. This saves more than 465 gallons of gasoline per month in peak golf season. The 26 kW solar electric system has 96 solar panels manufactured by SolarWorld in Hillsboro, Oregon and is expected to produce 23,737 kWh of electricity per year. Energy Trust of Oregon contributed \$36,288 in incentives for the project.



Lizzie Rubado from Energy Trust of Oregon presents a check for the Glendoveer solar array to Metro Councilor Shirley Craddick and Tom Isaac, President of CourseCo.



The solar array on the Glendoveer golf cart barn will produce 23,737 kWh of electricity per year.

### Glendoveer irrigation system upgrades and stormwater retrofits

In partnership with its golf course operator, CourseCo, Metro's Parks and Environmental Services department upgraded the irrigation system by adding programmable irrigation system controls. This system gives the operator the flexibility to control individual irrigation stations based on their unique watering needs. The team also removed a small pond from the golf course, which eliminates the need to fill it throughout the summer. These changes resulted in a dramatic change in water use, from 109,626 CCF<sup>1</sup> to 69,126 CCF (equivalent to a savings of more than 30 million gallons) in FY 13-14, a 37 percent reduction.



In addition, 21,280 square feet of impervious surfaces at Glendoveer were converted to sustainable stormwater management areas this past year. Bioswales were added to capture runoff from the cart barn and half the roof of the tennis center, permeable pavers were installed for a patio replacement and a small ecoroof was installed on the roof of a new enclosure for recycling bins.



<sup>1</sup> CCF is a unit of measure for water, equivalent to 748 gallons.

## Metro Regional Center

Metro Regional Center is the primary office location for Metro and houses many central services departments including human resources and fleet services.

### Human Resources: Paperless payroll campaign

The Green Team at Metro Regional Center worked with Metro's Payroll office on a campaign to promote paperless payroll notification for Metro employees. This campaign, designed with a New Year's resolution theme during January 2014, resulted in 190 employees making the switch to paperless payroll notification for a total of 415 employees opting to go paperless.



Waste goal

### Fleet Services: Metro fleet bike rodeo

The Metro Regional Center fleet services team promoted use of Metro's fleet bikes at a fun and informative Fleet Bike Rodeo in June. Employees had a chance to take a spin on the bikes, learn about bike safety, operate an electric bike, and learn how to use a Metro bike for work-related transportation.



Climate goal



Metro's "Paperless Payroll" campaign convinced 190 employees to switch to paperless paycheck notification.



Metro employee Randy Tucker gets a lesson in how to ride the electric fleet bike from Tom Bordenkircher at the fleet bike rodeo.



## Adding native plants to the landscape at Blue Lake Regional Park

In 2013, voters across the Portland metropolitan area approved a five-year levy to help care for regional parks and natural areas. The levy raises about \$10 million per year, going toward six major initiatives representing hundreds of projects on the ground. One of the initiatives is park maintenance and improvements. Capital improvements such as new restrooms, playgrounds and parking enhance Metro's developed parks, which attract more than 1.3 million visitors every year.



At Blue Lake Regional Park, 53,500 square feet – more than an acre – of non-native landscape areas were converted to native and low water use plantings. Of 40 different species planted, 35 are Oregon native plants. Zoo Doo, compost made from herbivore waste at the Oregon Zoo, was used to mulch the planting beds. This mulch helps keep weeds down without herbicides and keeps the soil cool and moist. To create the triple-bottom line sustainability for this project, the consultant team included a Woman-owned Business Enterprise (WBE), Disadvantaged-Business Enterprise (DBE) certified landscape architecture firm and a DBE/WBE certified surveyor.

As a testimony to the habitat value of the project, while the planting project was underway a nesting pair of cooper's hawks raised a baby chick in a tree in the middle of the project area.



An acre of grass was converted to native plants at Blue Lake Park, creating habitat for birds and other wildlife.

## GLEAN program encourages artists to make art, not landfill

The art displayed below comes from trash – some of the 2.1 million tons of garbage and recyclables generated each year by our region’s residents and businesses – destined for a landfill. It’s the work of local artists given safety gear and scavenging privileges at Metro Central Transfer Station through a program called GLEAN. Metro helped launch the GLEAN program in 2010 and the first art exhibition was in 2011 .



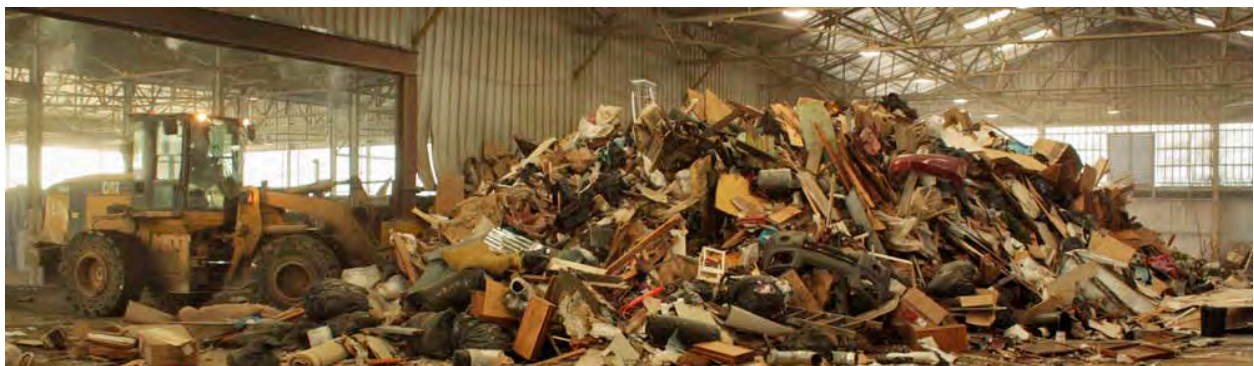
GLEAN is managed by Cracked Pots in partnership with Metro and Recology, an employee-owned company that manages the Metro Central transfer station. The program prompts people to think about their consumption habits, inspire new ways of conserving resources and support the arts and environment. To learn more about GLEAN and what you can do to waste less, visit [www.GLEANPDX.org](http://www.GLEANPDX.org).



The 2014 GLEAN artists at work.



2014 Glean exhibit at Disjecta Contemporary Art Center.



A typical day at the solid waste transfer station.



## METRO-WIDE ACCOMPLISHMENTS IN FY 13-14

### Updated Integrated Pest Management Plan becomes Metro policy

Metro manages a lot of real estate that pests call home – 14,000 acres of natural areas, regional parks, cemeteries, animal habitats at the Oregon Zoo, areas around the Oregon Convention Center and the Expo Center, as well as the buildings where we do business.



Toxics goal



Dan Moeller and Matt Tracy

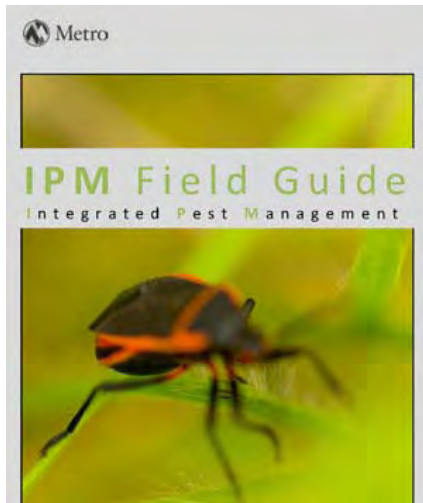
In response, project manager Matt Tracy and project sponsor Dan Moeller, along with a team from across Metro, developed the Integrated Pest Management plan. All Metro sites and properties will roll this plan out in the coming year.



Habitat goal

Dan Moeller, Metro’s natural areas land manager, described it this way: “Integrated pest management is an effective and environmentally responsible approach to managing pests (weeds, insects, etc.). Information about targeted pests along with the best available pest control methods are used to manage damage or infestations by the most effective and economical means, and with the least possible hazard to people, property and the environment.”

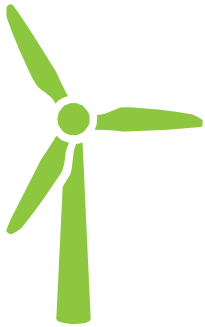
The pest management plan begins with staff identifying the pest. They determine how bad the pest problem is and what to do about it, if anything. Finally, they document what they did to solve the problem and monitor the results. If it’s determined that a pesticide must be used (a last resort), staff reference an approved chemical list; use public notification signs when appropriate; refer to a protocol for checking for special events, mowing or irrigation; use guidelines for protective gear and safety equipment; and determine if the chemical used will drift because of wind or rain. The team also developed guidelines around the transportation, application and storage of chemicals and what to do if there is a chemical spill.



This new pest management plan replaces one from 1995. Matt, Dan and the Integrated Pest Management working group focused on current best practices and how to develop them into standards that could be flexible and site specific.

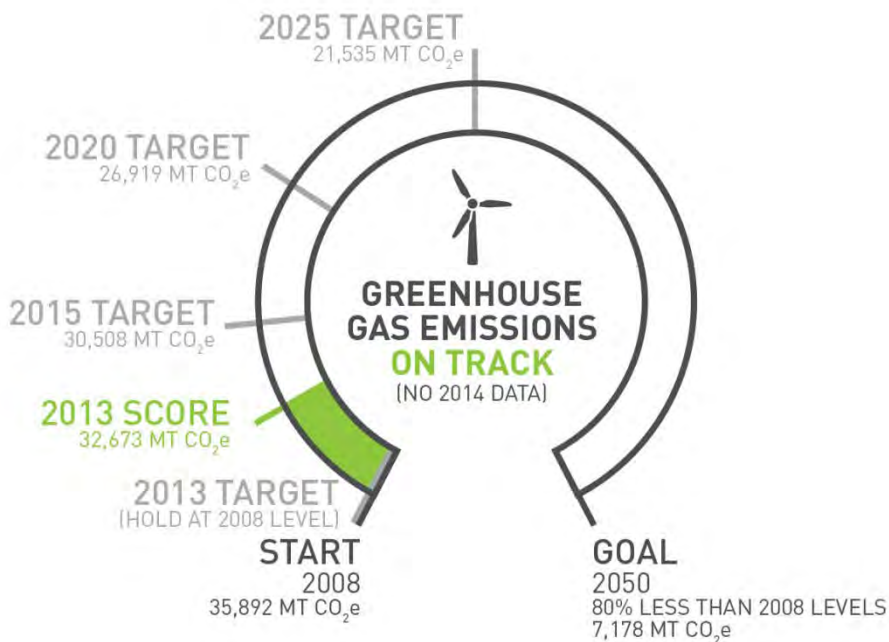
# **PART 2: PROGRESS TOWARD SUSTAINABILITY GOALS**

## GOAL 1: REDUCE GREENHOUSE GAS EMISSIONS



<b>Goal</b>	Reduce greenhouse gas (GHG) emissions 80 percent below 2008 levels by 2050.
<b>Indicators</b>	Greenhouse gas emissions for Scopes I, II and III, reported in metric tons of carbon dioxide equivalent (MT CO <sub>2</sub> e). Electricity consumption from Metro facilities reported in kilowatt hours consumed (kWh).
<b>2015 target</b>	15 percent reduction in GHG emissions from 2008 levels.

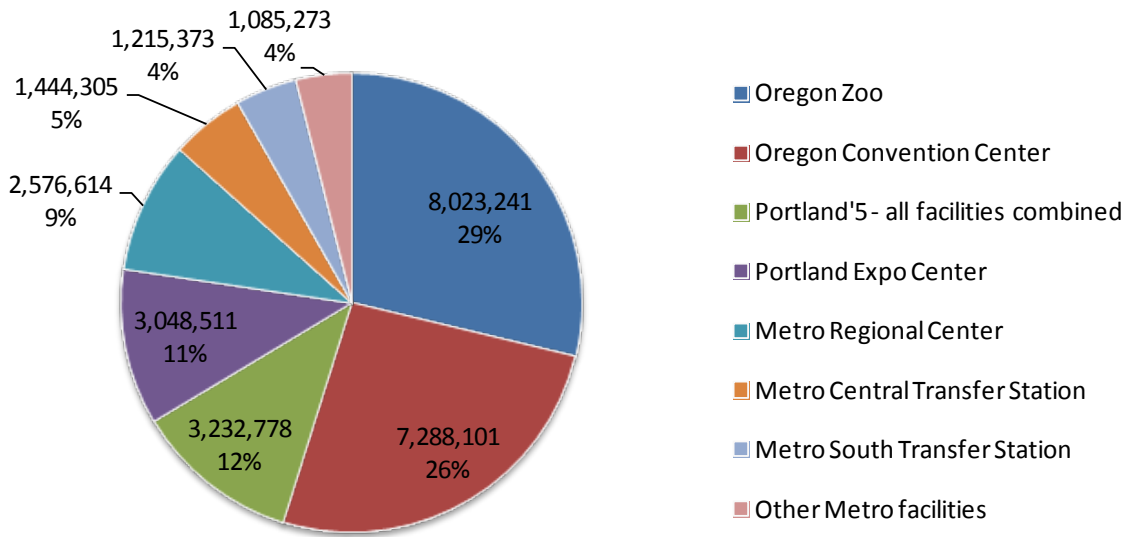
Metro completed a comprehensive greenhouse gas (GHG) emissions inventory for internal operations using 2008 as the baseline year. Metro repeated this inventory for the FY 12-13 year; the results of that analysis are shown in the graph below. A full report is available at [www.oregonmetro.gov/greenmetro](http://www.oregonmetro.gov/greenmetro).



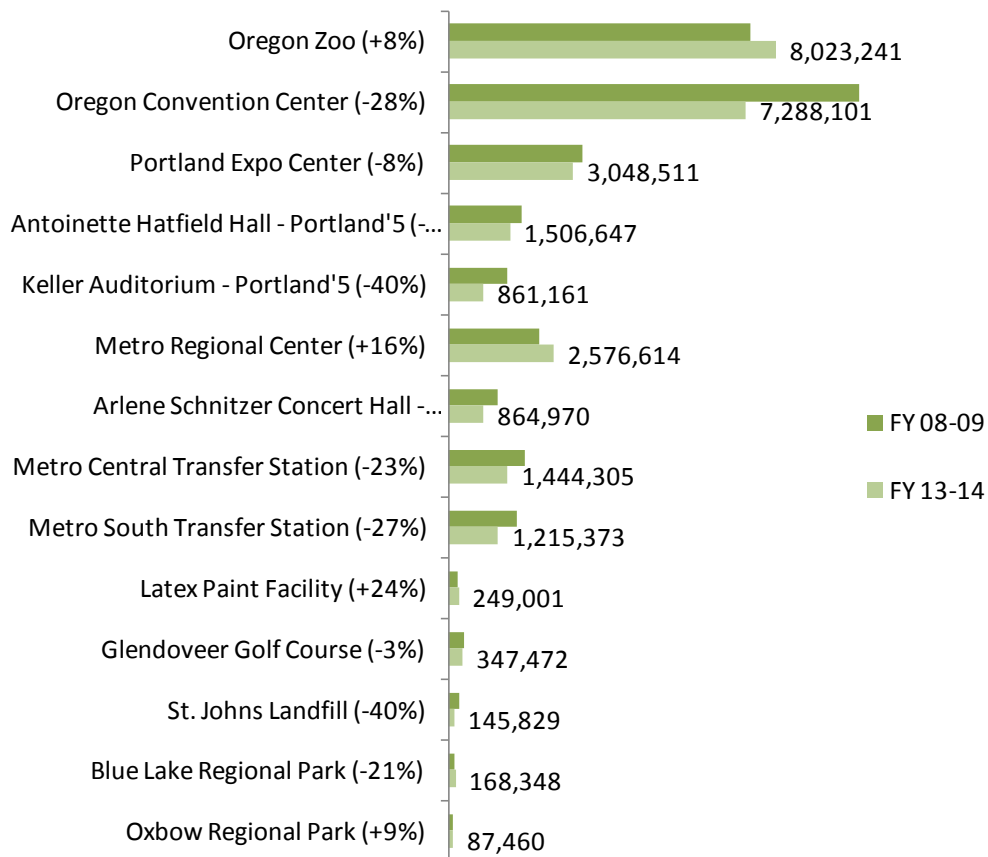
For the purposes of the annual sustainability report, however, Metro includes year-over-year comparison data of electricity and natural gas consumption, two of Metro's key GHG emissions sources which are tracked on an annual basis.



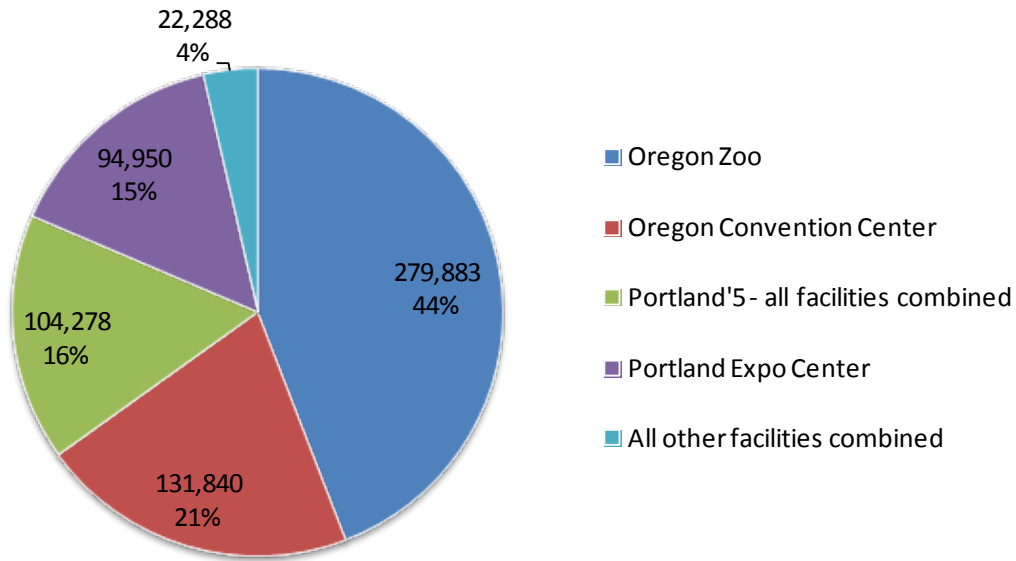
### FY 13-14 electricity consumption Metro facilities (kWh)



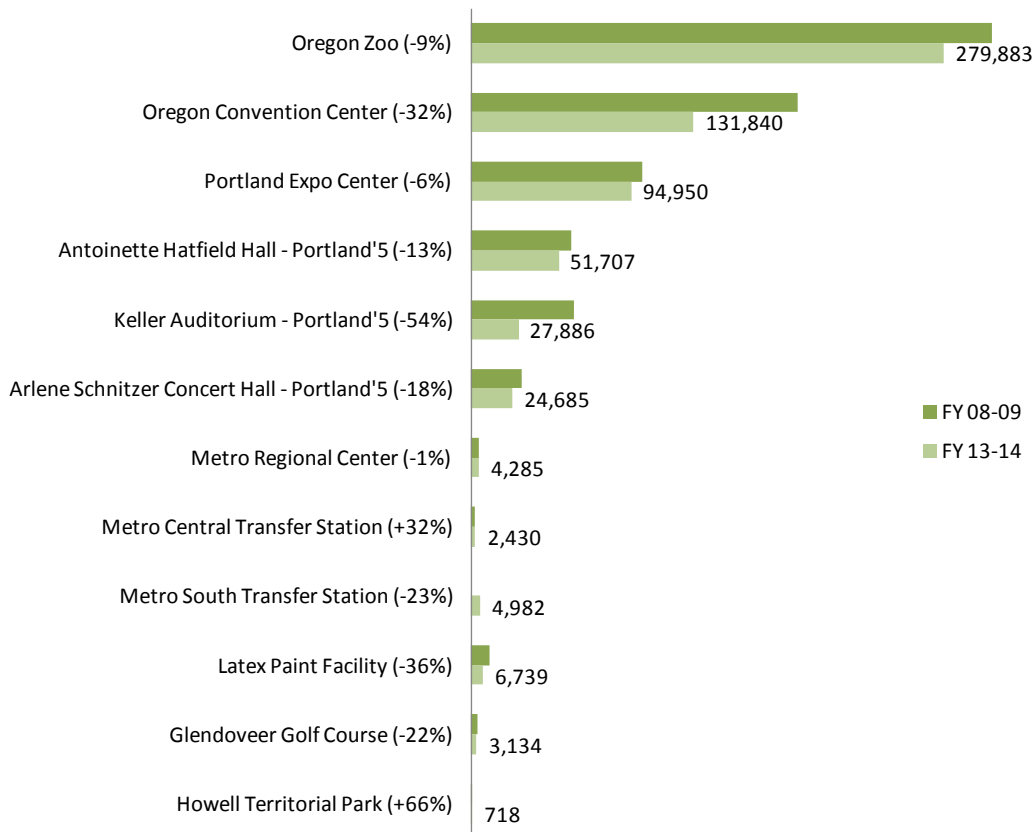
### Electricity kWh usage FY 13-14 (percent change over baseline 2008-09)



**FY 13-14 natural gas consumption (therms)**



**Natural gas usage FY 13-14 (% Change over Baseline 2008-09)**



## GOAL 2: CHOOSE NONTOXIC



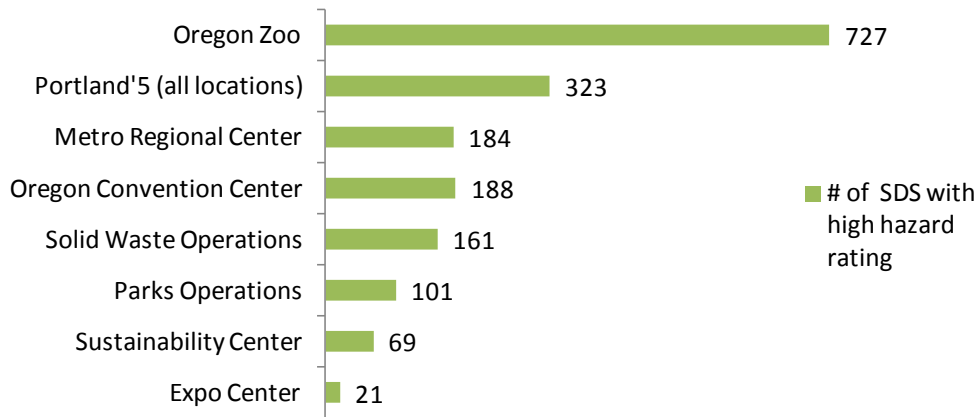
<b>Goal</b>	Eliminate the use or emissions of persistent bioaccumulative toxics (PBTs) and other priority toxic and hazardous substances by 2025.
<b>Indicator</b>	Percentage of chemical products used at Metro facilities that have ingredients that have a high human health or environmental toxicity hazard.
<b>2015 target</b>	45 percent reduction from 2008 levels of chemical products in use at Metro which are persistent, bioaccumulative and toxic or have a high human health or environmental toxicity hazard.

Metro uses chemical information from material safety data sheets (SDS) to track toxicity of products used in Metro operations. Metro developed a toxicity assessment tool in partnership with KHA-Online SDS, which is also the host for Metro’s online SDS database. The toxicity assessment tool uses a variety of regulatory chemical lists cross referenced with the information contained in the SDS to make toxic hazard determinations.

In future years, the toxicity assessment tool will align with information available in the recently adopted Globally Harmonized System of Classification (GHS).



**FY13-14 products (SDS) with a high hazard rating and listed persistent, bioaccumulative or toxic (PBT)**



Metro recently updated the methodology used for tracking toxicity of its product inventory which includes persistent, bioaccumulative and toxic chemicals (PBT). This methodology is more consistent with the intent of Metro Council’s adopted toxics reduction goal to eliminate persistent bioaccumulative toxics and other priority toxic and hazardous substances. A summary of the findings with the old and new methodologies is below.

This information helps focus attention on products in the inventory nicknamed “The Worst of the Worst,” SDS that receive a high hazard rating across all categories (health, environment, physical hazard, persistent, bioaccumulative and inherently toxic).

**FY13-14 Toxicity of Metro SDS inventory using different methodologies**

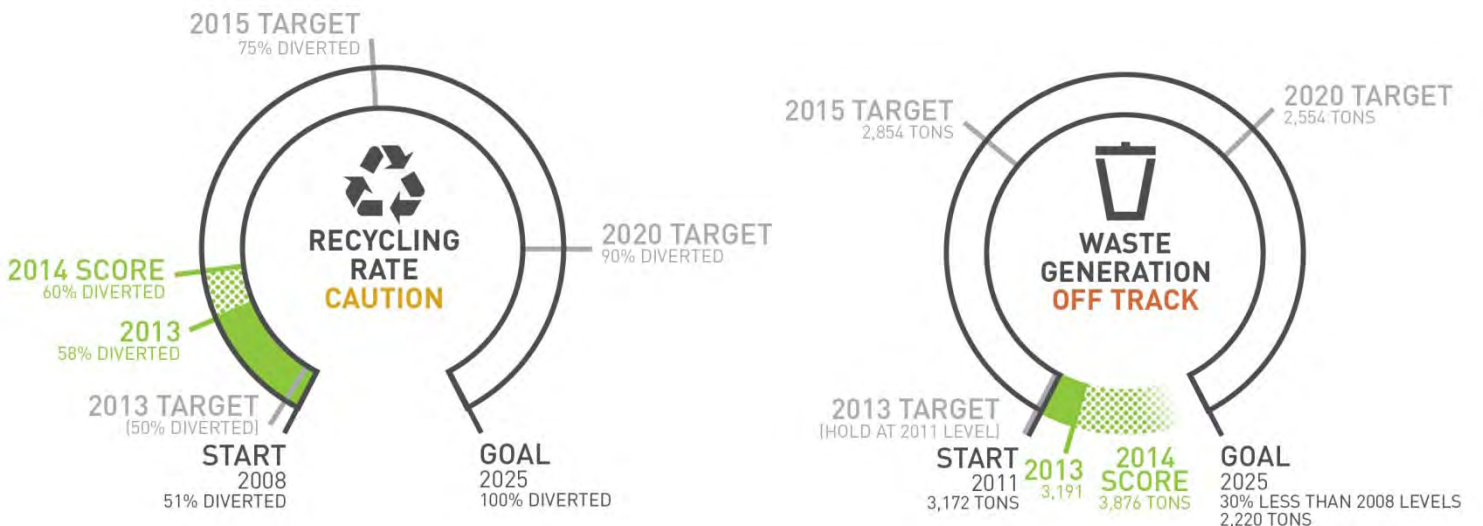
Total Safety Data Sheets (SDS) in Metro inventory	2190	
SDS with high hazard rating in health, environment or physical categories (old methodology)	847	39%
SDS with high hazard rating in any category: health, environment, physical, persistent, bioaccumulative OR toxic (see graph above)	1649	75%
"Worst of the Worst", SDS with high hazard rating in all categories: health, environment, physical, persistent, bioaccumulative AND toxic (new methodology)	141	6%

### GOAL 3: REDUCE WASTE

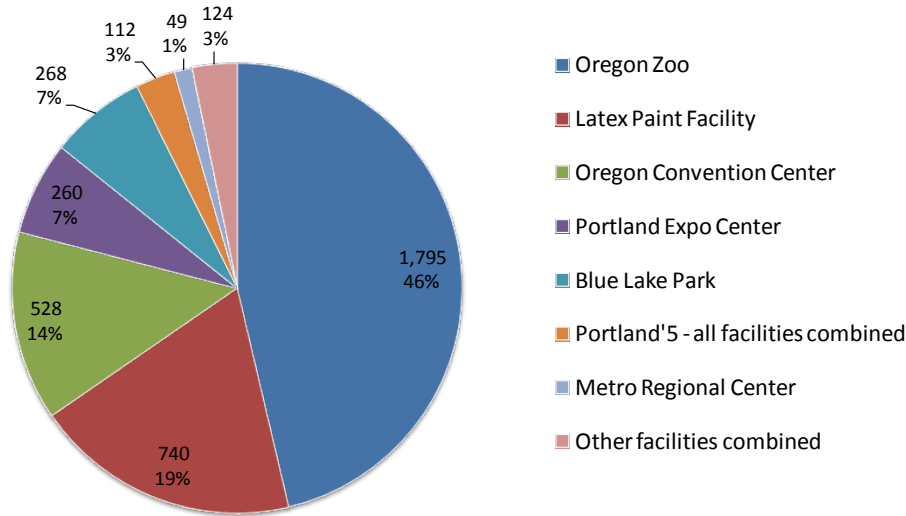


<b>Goal</b>	Reduce overall generation of waste, and recycle or compost all remaining waste by 2025.
<b>Indicators</b>	Weight of waste generated (garbage plus recycling and compost). Percent of waste recovered for recycling or compost.
<b>2015 targets</b>	Recycle or compost 75 percent of waste (average); parks goal 25 percent recovery. Reduce waste generation 10 percent from 2008 levels by 2015.

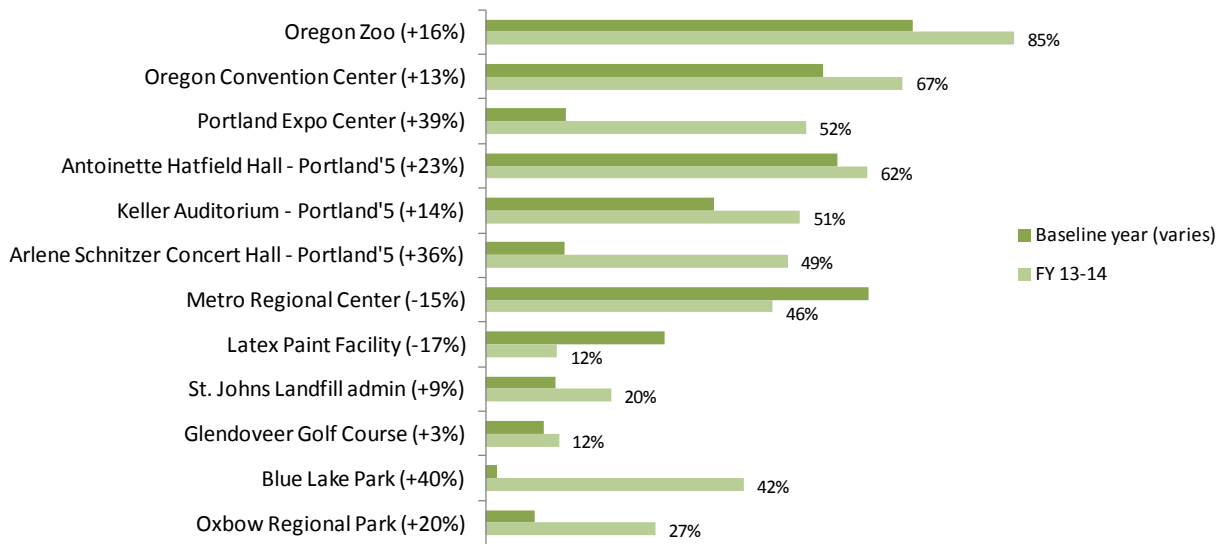
To measure progress toward the goal of recycling or composting all waste, as well as waste reduction, Metro tracks recycling rates and overall waste generation (weight of garbage, recycling and compost) from the major facilities in the agency’s portfolio. In FY13-14 Metro facilities diverted an average of 60 percent of the total waste for recycling, including food scraps and yard debris. The average recovery rate is up nine percent since the 2008 baseline year. Metro facilities generated 3,876 tons of waste in FY 13-14.



**FY 13-14 total waste generation (disposal plus recovered, tons)**



**FY 13-14 recovery rate at Metro facilities<sup>2</sup> compared with baseline year (varies)**



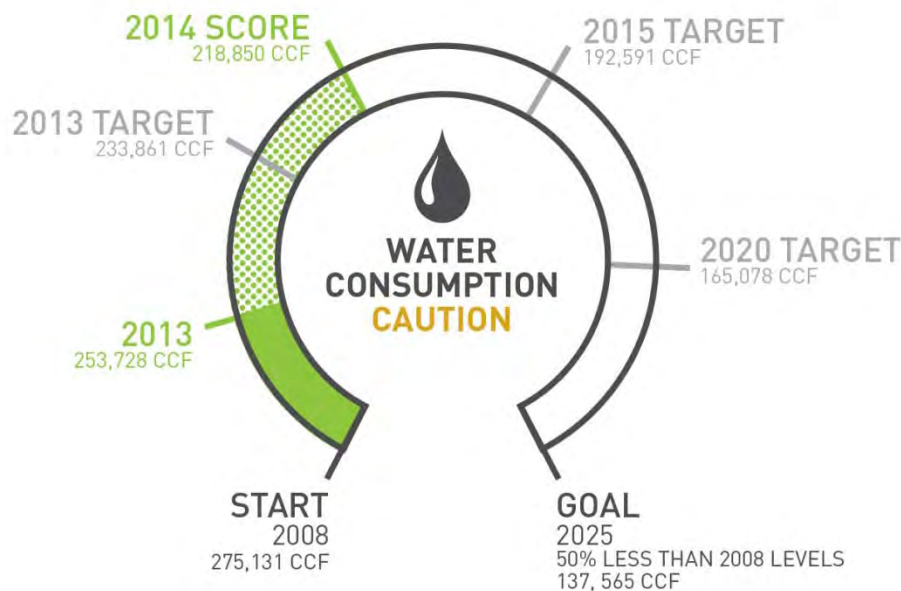
<sup>2</sup> Blue Lake and Oxbow parks recently began tracking weight of yard debris, downed wood and trees as part of their recycling recovery rate thus dramatically increasing their recovery rates. In addition, FY13-14 recovery numbers for Blue Lake Park are higher than normal due to a one-time cleanup of accumulated downed wood at the park.

## GOAL 4: CONSERVE WATER



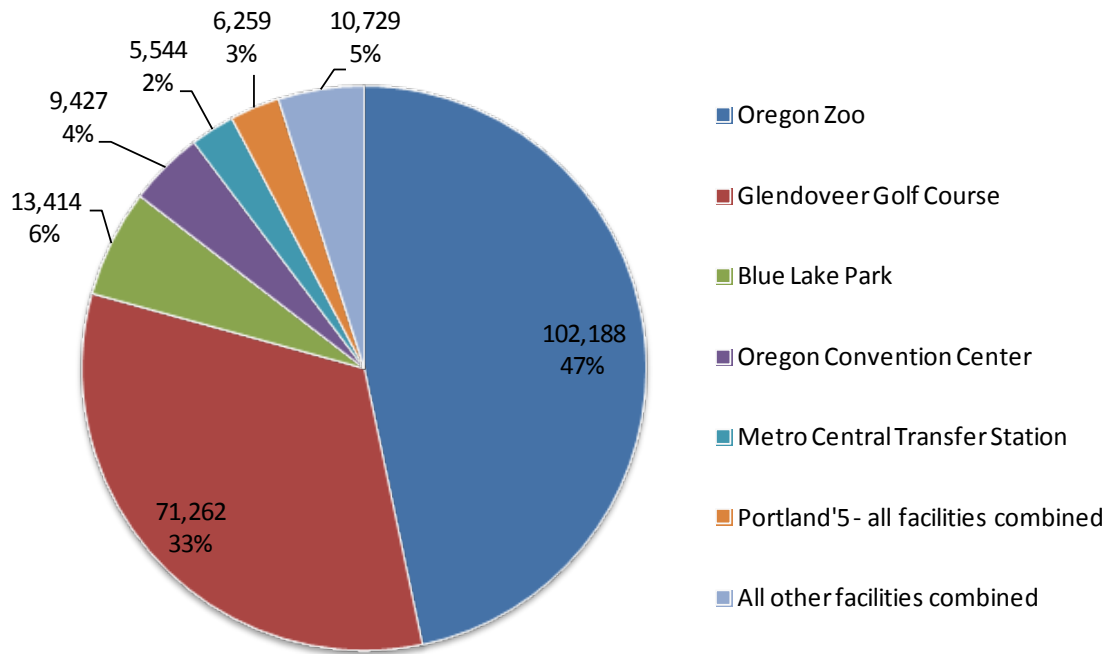
<b>Goal</b>	Use 50 percent less water from 2008 levels by 2025.
<b>Indicator</b>	Gallons of water consumed from water utilities and on-site sources.
<b>2015 target</b>	30 percent decrease in water consumption from 2008 levels.

Water usage data for Metro facilities is collected from water-providing utilities and from well water usage records. Water use is reported in CCF, or hundred cubic feet (equivalent to 748 gallons). The Oregon Zoo and Glendoveer Golf Course continue to be the top water users. Notably, changes in irrigation practices at Glendoveer Golf Course over the past year resulted in a dramatic change in water use, from 109,626 CCF<sup>3</sup> to 69,126 CCF (equivalent to a savings of more than 30 million gallons) in FY 13-14, a 37 percent reduction. These water conservation efforts are a primary reason why Metro’s overall water usage improved during FY14-15. See page 10 for additional details.

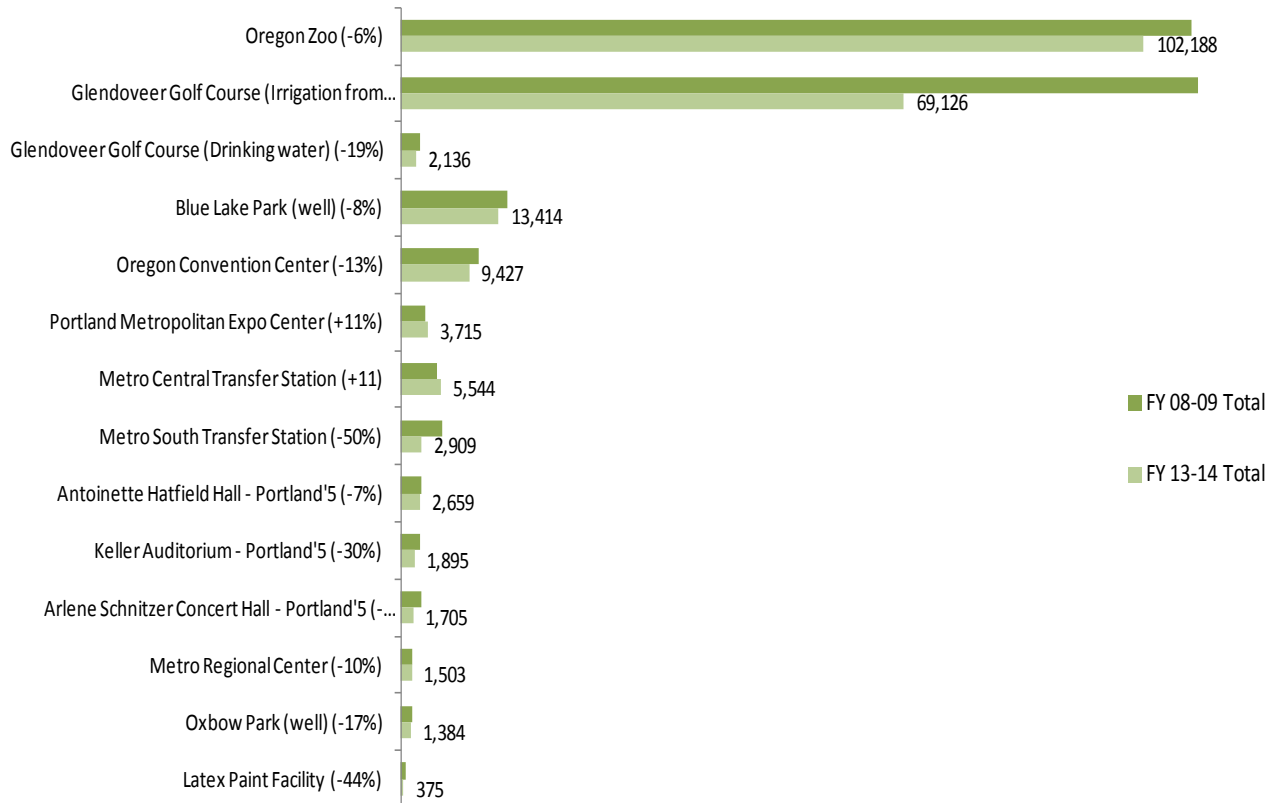


<sup>3</sup> CCF is a unit of measure for water, equivalent to 748 gallons.

### FY 13-14 water usage (CCF)



### FY 13-14 water usage compared with FY 08-09 baseline (CCF)





## GOAL 5: ENHANCE HABITAT AND REDUCE STORMWATER



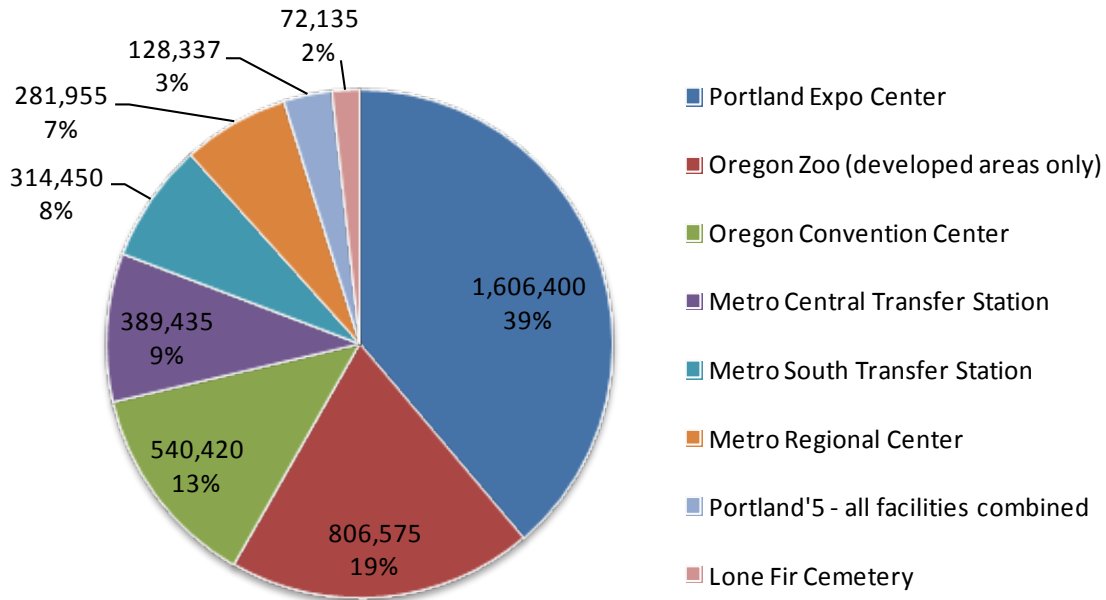
<b>Goal</b>	Ensure that Metro's parks, trails, natural areas and developed properties positively contribute to healthy, functioning ecosystems and watershed health by 2025.
<b>Indicator</b>	Percentage of effective impervious area <sup>4</sup> on Metro's developed properties; impervious surfaces directly connected to a stream or drainage system and not directed to a green roof, swale or other pervious area.
<b>2015 targets</b>	Reduce effective total impervious area on developed properties 50 percent from 2008 levels. Identify habitat-friendly improvement opportunities for developed properties.

Tracking effective impervious surface areas is a way to monitor the quantity of stormwater runoff from Metro's developed properties and impacts to habitat health. In the past year, the Oregon Zoo, Portland Expo Center and Glendoveer Golf and Tennis Center retrofitted portions of their campuses to treat stormwater runoff onsite, keeping that stormwater out of local waterways.

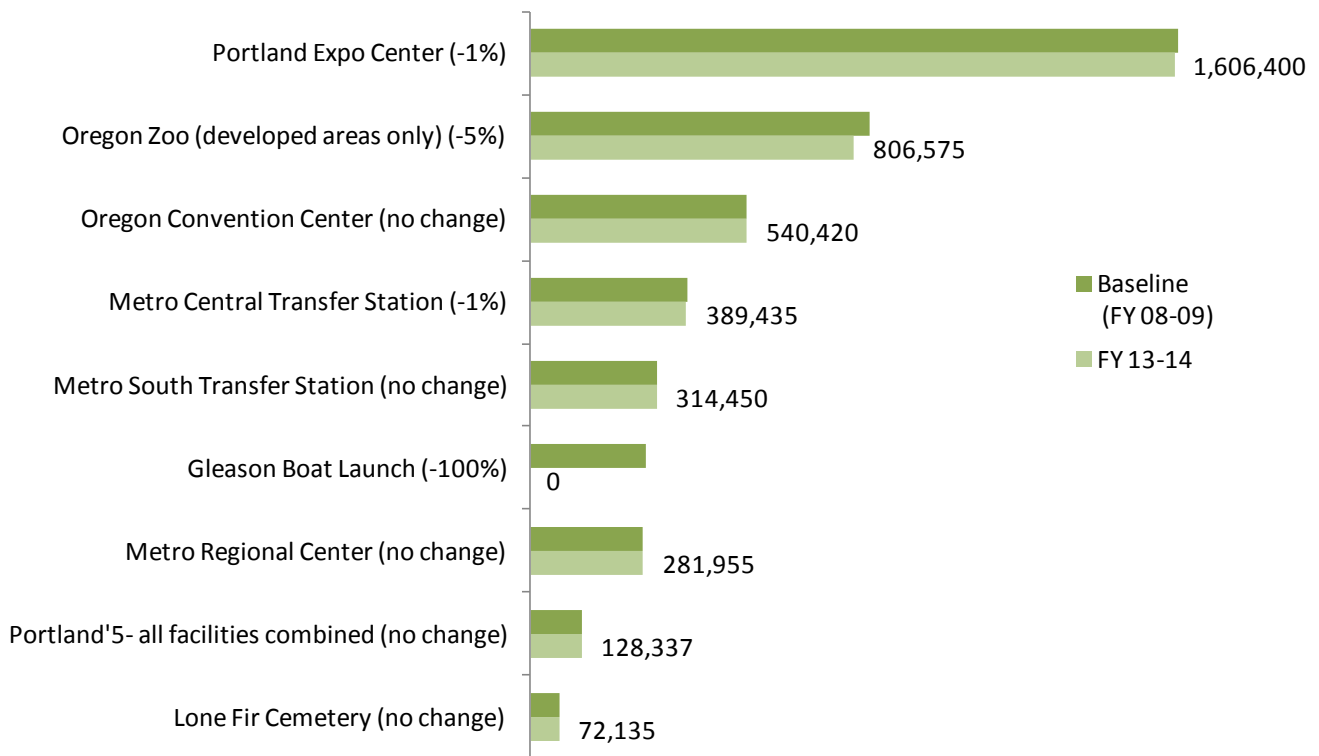


<sup>4</sup> An impervious area that collects and drains rainwater directly to a stream or wetland system via pipes or sheet flow is considered an "effective impervious area" because it effectively drains the landscape. An impervious area that drains to landscaping, swales, parks and other impervious areas allows water to infiltrate through the soil and into ground water, without a direct connection to the stream or wetland.

**FY 13-14 effective impervious area (square feet)**



**Effective impervious area FY 13-14, square feet (percent change over baseline 2008-2009)**



# PART 3:

# APPENDIX

UTILITY COSTS

ENERGY EFFICIENCY INVESTMENTS

SUSTAINABLE PROCUREMENT

GHG EMISSIONS (FY12-13)

ABOUT THE METRO SUSTAINABILITY PROGRAM

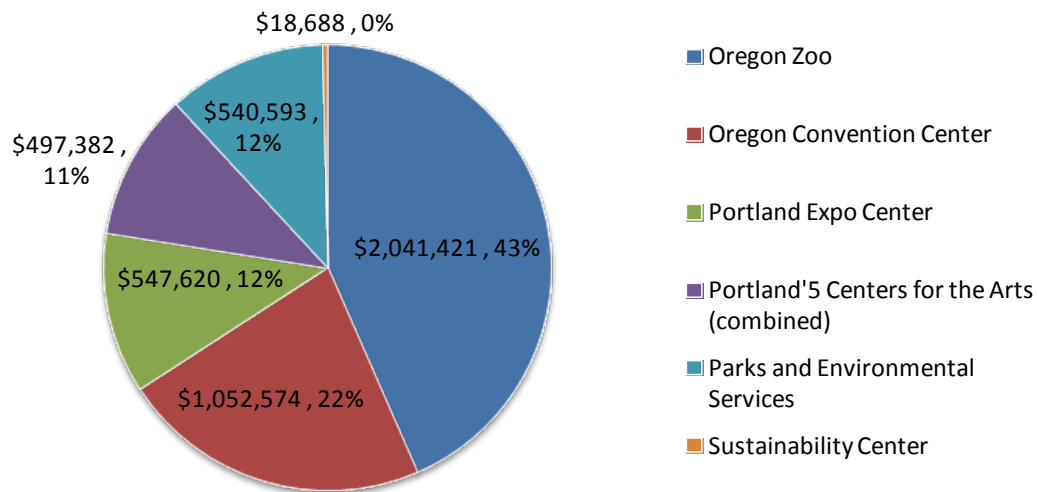
## UTILITY COSTS FY13-14

Many of Metro’s sustainability activities revolve around improving facility systems and operations to make them more energy and water efficient. This data provides financial context and a sense of scale to the resource consumption that accompanies operating Metro facilities and visitor venues.

### Utility consumption costs for Metro facilities<sup>5</sup>, FY 13-14

DEPARTMENT OR VENUE	UTILITY SERVICES					TOTAL FY13-14 UTILITY EXPENSES
	(GENERAL)	ELECTRICITY	NATURAL GAS	SOLID WASTE	WATER AND SEWER	
Oregon Zoo	\$ -	\$619,124	\$203,222	\$44,687	\$1,174,389	\$2,041,422
Oregon Convention Center		\$734,051	\$115,313	\$28,671	\$174,539	\$1,052,574
Portland Expo Center		\$341,918	\$91,639	\$29,729	\$84,334	\$547,620
Portland’s Centers for the Arts (combined)		\$302,138	\$90,622	\$21,229	\$83,394	\$497,383
Parks and Environmental Services	\$20,007	\$246,721	\$16,422	\$155,701	\$101,743	\$540,594
Sustainability Center	\$1,614	\$8,073	\$ -	\$6,185	\$2,816	\$18,688
<b>TOTALS</b>	<b>\$21,621</b>	<b>\$2,252,025</b>	<b>\$517,218</b>	<b>\$286,202</b>	<b>\$1,621,215</b>	<b>\$4,698,281</b>

### FY 13-14 utility costs by facility or venue



<sup>5</sup> Metro does not track utility costs for Glendoveer Golf and Tennis Center in the central accounting system from which the data in this chart was obtained because they are paid by a third party operator. However, Metro does track all utility usage in Utility Manager Pro database, which indicates that utility costs for this facility in FY13-14 were approximately \$88,000 excluding waste and recycling services.

## ENERGY EFFICIENCY INVESTMENTS FY13-14

Metro works closely with the Energy Trust of Oregon to implement energy efficiency and renewable energy projects at Metro facilities and visitor venues. Projects last year included lighting upgrades, building systems replacements, design for energy efficiency for new buildings, a solar project and participation in Energy Trust of Oregon’s Strategic Energy Management Program at the Oregon Convention Center.

The table below does not include \$46,582 received from Energy Trust of Oregon in September 2014 for LED lighting upgrades at Arlene Schnitzer Concert Hall and Hatfield Hall which houses the Newmark, Brunish and Winningstad Theaters. This incentive will be included in the FY14-15 sustainability report.

### Summary of incentives from Energy Trust of Oregon, FY13-14

LOCATION	MEASURE DESCRIPTION	ELECTRICITY (kWh)	NATURAL GAS (therms)	ELECTRIC INCENTIVE	GAS INCENTIVE
<b>ETO Existing Buildings Program</b>					
Oregon Convention Center	Demand control ventilation and other projects implemented in Strategic Energy Management program	355,812	87,136	\$51,161	\$24,966
Portland’s 5 Centers for the Arts	Antoinette Hatfield Hall lighting upgrade to LEDs and ice machine upgrade	5,239		\$1,432	
Portland Expo Center	Upgraded lighting controls and occupancy sensors for Halls A, B and “Dairy Barn”	276,679	4,256	\$37,669	\$11,062
Oregon Zoo	Efficient gas over, exterior lighting upgrades	23,131	894	\$2,480	\$1,200
Glendoveer Golf and Tennis Center	Lighting upgrades at driving range and clubhouse; flow controls in irrigation system	51,618		\$13,580	
<b>Total</b>		<b>712,479</b>	<b>93,286</b>	<b>\$106,322</b>	<b>\$37,228</b>
<b>ETO Commercial Solar Program</b>					
Glendoveer Golf and Tennis Center	26 kW solar electric system (96 PV panels) to charge electric golf carts	23,737		\$36,288	
<b>ETO New Buildings Program</b>					
New Zoo Elephant Lands exhibit	Exhaust only mode, heat recovery, daylighting and reduced power density for lights, air curtain, condensing gas water heater, solar thermal domestic hot water			\$31,320	
<b>Total ETO cash incentives FY 13-14: \$211,159</b>					
<b>ETO Strategic Energy Management Program; consultant services (not cash incentives)</b>					
Oregon Convention Center	Strategic Energy Management			\$6,940	\$11,340
<b>Total value of ETO Strategic Energy Management consulting services FY13-14: \$18,280</b>					

## SUSTAINABLE PROCUREMENT FY13-14

Metro adopted a sustainable procurement administrative procedure in 2012 which implements Metro Code chapter 2.04.500-540, "Sustainable Procurement Program."

In fiscal year 2013-2014, Metro spent over \$1.3 million on sustainable goods and services. This represents roughly 3 percent of Metro's overall spending on goods and services for that year.

The full Sustainable Procurement Policy can be found online at [www.oregonmetro.gov/greenmetro](http://www.oregonmetro.gov/greenmetro).

<b>METROWIDE SPEND TOTALS BY CATEGORY</b>	<b>(NO "SUSTAINABLE SERVICES - OTHER")</b>
Certified Energy Efficient Equipment	\$60,027
Certified EPEAT <sup>6</sup>	\$9,900
Certified Green Cleaning Product	\$33,730
Certified Wood Product	\$15
Certified Organic	\$2,765
Habitat Friendly	\$18,348
Local Product	\$0
Recycled Content	\$61,456
Recycled Paper	\$101,431
Recycled Content Product	\$126,156
Product - Other - does not match any other codes	\$143,851
Services - Habitat Friendly	\$79,219
Services - Energy Efficiency	\$484,325
Services - Feasibility/Design	\$108,584
Sustainable Services - Renewable Power	\$136,401
<b>Total Sustainable Procurement FY13-14</b>	<b>\$1,366,208</b>
Green Building - Zoo Bond program construction	\$22,192,372
Metro total purchasing expenses FY13-14	\$51,392,043
<b>% sustainable purchases</b>	<b>3%</b>
<b>% sustainable purchased including Zoo Bond construction</b>	<b>46%</b>

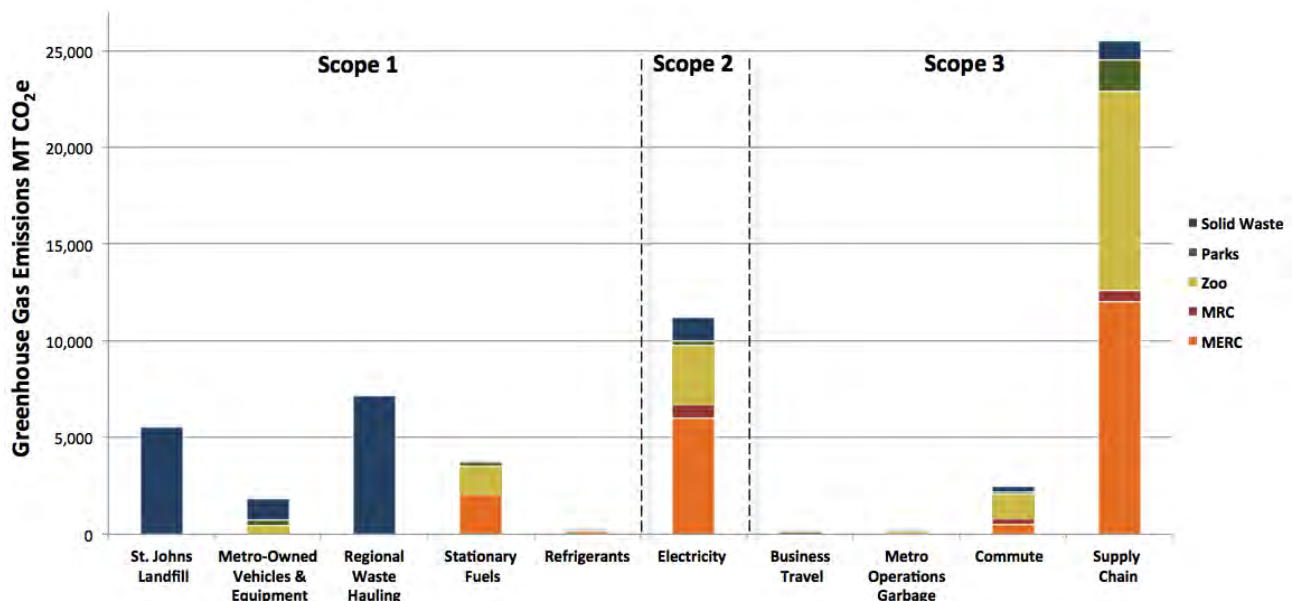
<sup>6</sup> EPEAT is the Electronic Product Environmental Assessment Tool, a national standard and certification program for sustainable electronics.

## Greenhouse gas emissions inventory, FY12-13

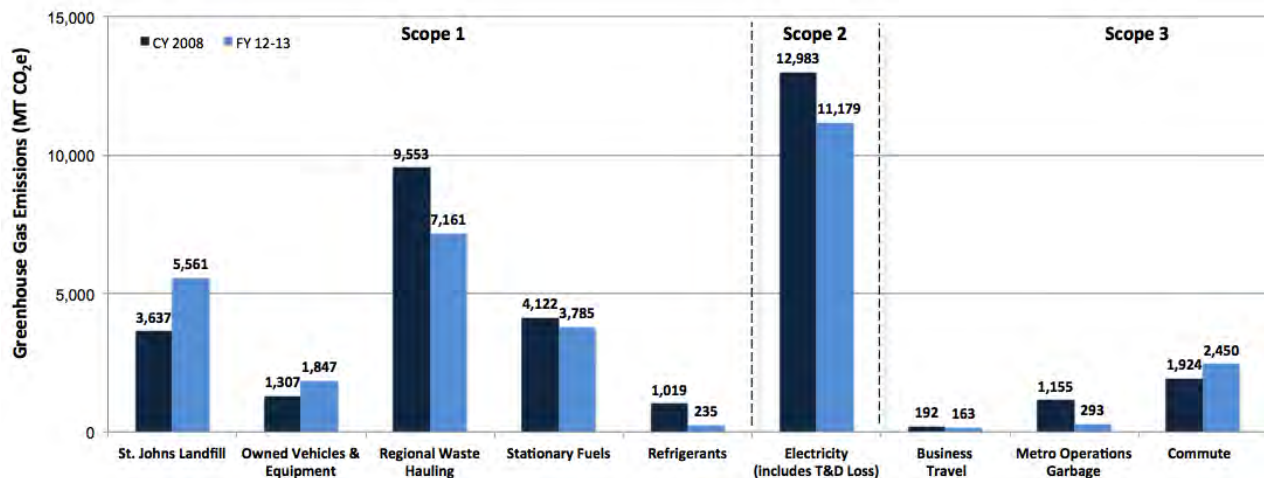
Metro completed a comprehensive greenhouse gas (GHG) emissions inventory for internal operations using 2008 as the baseline year and repeated this inventory for the FY 12-13 year; the results of that analysis are in the graph below. GHG emissions are reported in metric tons of carbon dioxide equivalent (MT CO<sub>2</sub>e).

In FY 12-13 Metro operations generated a total of 58,173 MT CO<sub>2</sub>e from both direct and indirect sources. Overall, non-supply chain emissions decreased nearly 9 percent from 35,892 MT CO<sub>2</sub>e in CY 2008 to 32,673 MT CO<sub>2</sub>e in FY 12-13. While this is a significant reduction, it is not quite on pace to meet Metro’s ambitious goal of an 80 percent reduction of non-supply chain emissions over CY 2008 levels by 2050. The full report is available at [www.oregonmetro.gov/greenmetro](http://www.oregonmetro.gov/greenmetro).

**FY 12-13 Metro agency-wide emissions from regional government operations, by functional area**



**Emissions comparison between CY 2008 and FY 12-13, by emissions source and scope**



## ABOUT THE METRO SUSTAINABILITY PROGRAM

Metro's Sustainability Program coordinates implementation of the agency's Sustainability Plan for internal operations. Actions are spread across Metro's departments and visitor venues.

### Sustainability steering committee

Oversight and accountability for implementation of the Metro Sustainability Plan are provided by a steering committee of representatives from the major facilities in Metro's operations.

- Ed Williams, Portland's Center for the Arts
- Rick Hanes, Oregon Zoo
- Matthew Uchtman and Erin Rowland, Oregon Convention Center
- Jim Caldwell, Portland Expo Center
- Penny Erickson, Parks and Environmental Services – solid waste operations
- Lydia Neill, Parks and Environmental Services – parks operations
- Rory Greenfield, Parks and Environmental Services – Metro Regional Center operations

### Green teams

In addition to the work of the sustainability steering committee and the facility operations managers, four green teams support implementation of sustainable practices in Metro workplaces. The following Metro employees served as chairs of the green teams during FY 13-14:

- Oregon Zoo green team: Rick Hanes
- Metro Regional Center green team: Sabrina Gogol
- Oregon Convention Center sustainability team: Erin Rowland
- Parks and Environmental Services green team: Jim Quinn
- Portland's Centers for the Arts: Richard Wehring

For more information about Metro's Sustainability Program and this report, contact:

Molly Chidsey, Sustainability Coordinator and Senior Regional Planner

Metro Sustainability Center

600 NE Grand Avenue

Portland, OR 97232

503-797-1690

[molly.chidsey@oregonmetro.gov](mailto:molly.chidsey@oregonmetro.gov)

[www.oregonmetro.gov/greenmetro](http://www.oregonmetro.gov/greenmetro)

In addition to Metro's goals for internal operations, Metro works with communities, businesses and residents in the Portland metropolitan area to chart a wise course for the future while protecting the things we love about this place.

Learn more at [oregonmetro.gov/regional-leadership/what-metro](http://oregonmetro.gov/regional-leadership/what-metro).



Materials following this page were distributed at the meeting.

# Metro | Agenda

**Meeting:** Metro Council Work Session  
**Date:** Thursday, November 6, 2014  
**Time:** 2 p.m.  
**Place:** Metro Regional Center, Council Chamber

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## CALL TO ORDER AND ROLL CALL

- |                            |   |   |
|----------------------------|---|---|
| <b>2 PM</b>                | <b>1. CHIEF OPERATING OFFICER COMMUNICATION</b>                       |   |
| <b>2:15 PM</b><br>(45 Min) | <b>2. CLIMATE SMART COMMUNITIES SCENARIOS PROJECT FINAL STEPS</b>     | <b>John Williams, Metro</b><br><b>Kim Ellis, Metro</b>                          |
| <b>3:00 PM</b><br>(30 Min) | <b>3. OREGON CONVENTION CENTER HOTEL REVENUE BONDS METHOD OF SALE</b> | <b>Tim Collier, Metro</b><br><b>Ken Rust, Public Financial Management, Inc.</b> |
| <b>3:30 PM</b><br>(30 Min) | <b>4. ENTERPRISING PLACES PROGRAM UPDATE</b>                          | <b>Elissa Gertler, Metro</b><br><b>Deb Meihoff, Communitas Planning</b>         |

## ADJOURN

**AN EXECUTIVE SESSION WILL BE HELD IMMEDIATELY FOLLOWING THE PUBLIC MEETING PURSUANT TO ORS 192.660(2)(e), TO CONDUCT DELIBERATIONS WITH PERSON DESIGNATED BY THE GOVERNING BODY TO NEGOTIATE REAL PROPERTY TRANSACTIONS.**

# Metro respects civil rights

Metro fully complies with Title VI of the Civil Rights Act of 1964 and related statutes that ban discrimination. If any person believes they have been discriminated against regarding the receipt of benefits or services because of race, color, national origin, sex, age or disability, they have the right to file a complaint with Metro. For information on Metro's civil rights program, or to obtain a discrimination complaint form, visit [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights) or call 503-797-1536. Metro provides services or accommodations upon request to persons with disabilities and people who need an interpreter at public meetings. If you need a sign language interpreter, communication aid or language assistance, call 503-797-1700 or TDD/TTY 503-797-1804 (8 a.m. to 5 p.m. weekdays) 5 business days before the meeting. All Metro meetings are wheelchair accessible. For up-to-date public transportation information, visit TriMet's website at [www.trimet.org](http://www.trimet.org).

## Thông báo về sự Metro không kỳ thị của

Metro tôn trọng dân quyền. Muốn biết thêm thông tin về chương trình dân quyền của Metro, hoặc muốn lấy đơn khiếu nại về sự kỳ thị, xin xem trong [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights). Nếu quý vị cần thông dịch viên ra dấu bằng tay, trợ giúp về tiếp xúc hay ngôn ngữ, xin gọi số 503-797-1700 (từ 8 giờ sáng đến 5 giờ chiều vào những ngày thường) trước buổi họp 5 ngày làm việc.

## Повідомлення Metro про заборону дискримінації

Metro з повагою ставиться до громадянських прав. Для отримання інформації про програму Metro із захисту громадянських прав або форми скарги про дискримінацію відвідайте сайт [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights) або Якщо вам потрібен перекладач на зборах, для задоволення вашого запиту зателефонуйте за номером 503-797-1700 з 8.00 до 17.00 у робочі дні за п'ять робочих днів до зборів.

## Metro 的不歧视公告

尊重民權。欲瞭解Metro民權計畫的詳情，或獲取歧視投訴表，請瀏覽網站 [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights)。如果您需要口譯方可參加公共會議，請在會議召開前5個營業日撥打503-797-1700（工作日上午8點至下午5點），以便我們滿足您的要求。

## Ogeysiiska takooris la'aanta ee Metro

Metro waxay ixtiraamtaa xuquuqda madaniga. Si aad u heshid macluumaad ku saabsan barnaamijka xuquuqda madaniga ee Metro, ama aad u heshid warqadda ka cabashada takoorista, booqo [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights). Haddii aad u baahan tahay turjubaan si aad uga qaybqaadatid kullamada dadweyne, wac 503-797-1700 (8 gallinka hore illaa 5 gallinka dambe maalmaha shaqada) shan maalmo shaqa ka hor kullanka si loo tixgaliyo codsashadaada.

## Metro의 차별 금지 관련 통지서

Metro의 시민권 프로그램에 대한 정보 또는 차별 항의서 양식을 얻으려면, 또는 차별에 대한 불만을 신고 할 수 [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights). 당신의 언어 지원이 필요한 경우, 회의에 앞서 5 영업일 (오후 5시 주중에 오전 8시) 503-797-1700를 호출합니다.

## Metroの差別禁止通知

Metroでは公民権を尊重しています。Metroの公民権プログラムに関する情報について、または差別苦情フォームを入手するには、[www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights)。までお電話ください公開会議で言語通訳を必要とされる方は、Metroがご要請に対応できるよう、公開会議の5営業日前までに503-797-1700（平日午前8時～午後5時）までお電話ください。

## សេចក្តីជូនដំណឹងអំពីការមិនរើសអើងរបស់ Metro

ការគោរពសិទ្ធិពលរដ្ឋរបស់ ។ សំរាប់ព័ត៌មានអំពីកម្មវិធីសិទ្ធិពលរដ្ឋរបស់ Metro ឬដើម្បីទទួលបានក្បួនលំអររើសអើងសូមចូលទស្សនាការប្រកាស [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights)។  
បើលោកអ្នកត្រូវការការបកប្រែភាសានៅពេលអង្គប្រជុំសាធារណៈ សូមទូរស័ព្ទមកលេខ 503-797-1700 (ម៉ោង 8 ព្រឹកដល់ម៉ោង 5 ល្ងាច ថ្ងៃធ្វើការ) ប្រាំពីរថ្ងៃ ថ្ងៃធ្វើការ មុនថ្ងៃប្រជុំដើម្បីអាចឲ្យគេសម្រួលតាមសំណើរបស់លោកអ្នក ។

## إشعار بعدم التمييز من Metro

تحتزم Metro الحقوق المدنية. للمزيد من المعلومات حول برنامج Metro للحقوق المدنية أو لإبداء شكوى ضد التمييز، يرجى زيارة الموقع الإلكتروني [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights). إن كنت بحاجة إلى مساعدة في اللغة، يجب عليك الاتصال مقدماً برقم الهاتف 503-797-1700 (من الساعة 8 صباحاً حتى الساعة 5 مساءً، أيام الاثنين إلى الجمعة) قبل خمسة (5) أيام عمل من موعد الاجتماع.

## Paunawa ng Metro sa kawalan ng diskriminasyon

Iginagalang ng Metro ang mga karapatang sibil. Para sa impormasyon tungkol sa programa ng Metro sa mga karapatang sibil, o upang makakuha ng porma ng reklamo sa diskriminasyon, bisitahin ang [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights). Kung kailangan ninyo ng interpreter ng wika sa isang pampublikong pulong, tumawag sa 503-797-1700 (8 a.m. hanggang 5 p.m. Lunes hanggang Biyernes) lima araw ng trabaho bago ang pulong upang mapagbigyan ang inyong kahilingan. Notificación de no discriminación de Metro.

## Notificación de no discriminación de Metro

Metro respeta los derechos civiles. Para obtener información sobre el programa de derechos civiles de Metro o para obtener un formulario de reclamo por discriminación, ingrese a [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights). Si necesita asistencia con el idioma, llame al 503-797-1700 (de 8:00 a. m. a 5:00 p. m. los días de semana) 5 días laborales antes de la asamblea.

## Уведомление о недопущении дискриминации от Metro

Metro уважает гражданские права. Узнать о программе Metro по соблюдению гражданских прав и получить форму жалобы о дискриминации можно на веб-сайте [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights). Если вам нужен переводчик на общественном собрании, оставьте свой запрос, позвонив по номеру 503-797-1700 в рабочие дни с 8:00 до 17:00 и за пять рабочих дней до даты собрания.

## Avizul Metro privind nediscriminarea

Metro respectă drepturile civile. Pentru informații cu privire la programul Metro pentru drepturi civile sau pentru a obține un formular de reclamație împotriva discriminării, vizitați [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights). Dacă aveți nevoie de un interpret de limbă la o ședință publică, sunați la 503-797-1700 (între orele 8 și 5, în timpul zilelor lucrătoare) cu cinci zile lucrătoare înainte de ședință, pentru a putea să vă răspunde în mod favorabil la cerere.

## Metro txoj kev ntxub ntxaug daim ntawv ceeb toom

Metro tributes cai. Rau cov lus qhia txog Metro txoj cai kev pab, los yog kom sau ib daim ntawv tsis txaus siab, mus saib [www.oregonmetro.gov/civilrights](http://www.oregonmetro.gov/civilrights). Yog hais tias koj xav tau lus kev pab, hu rau 503-797-1700 (8 teev sawv ntxov txog 5 teev tsaus ntuj weekdays) 5 hnub ua hauj lw m ua ntej ntawm lub rooj sib tham.



# NATURAL AREAS SYSTEM PLAN UPDATE

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# From a collection of great places to Making a Great Place

 Metro | *Making a great place*

November 4, 2014





2014

mar apr may jun jul aug sep oct nov dec

2015

jan feb mar apr may jun jul aug sep oct nov

2016

jan feb mar

# values

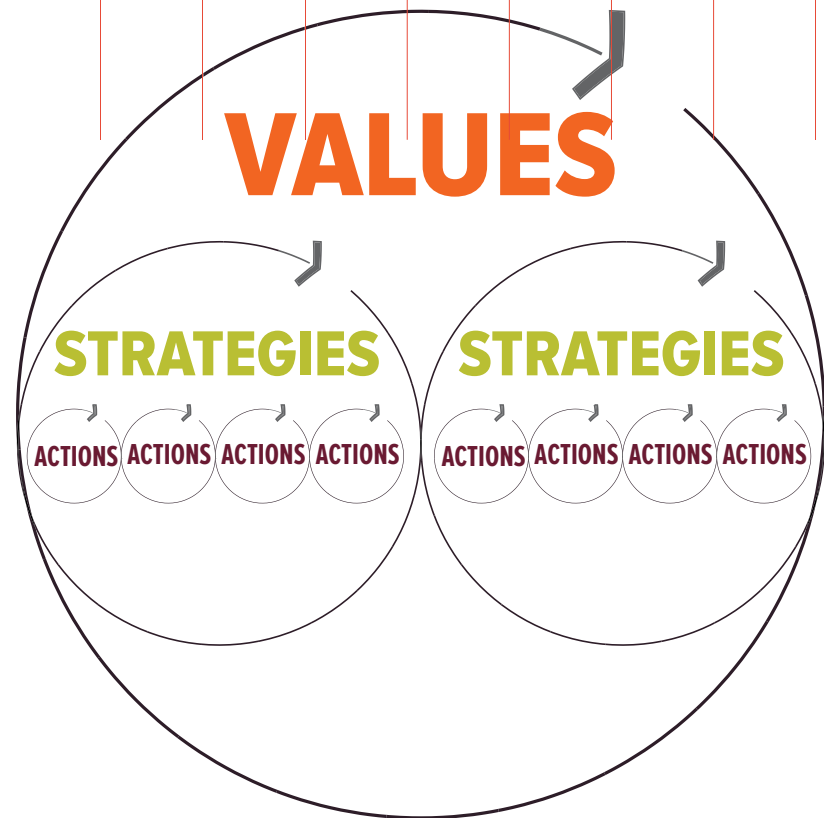
What we are about and what is important to us; the mission and policy direction that defines the role of Metro parks and natural areas.

# strategies

Crafted from the foundation provided by Metro parks and natural areas values; will provide direction in setting our course for the future.

# actions

Steps for developing Metro parks and natural areas, informed by the values and strategies with prioritized action plans covering mission critical areas.



With help from a Nature in Neighborhoods grant, the Virginia Garcia Wellness Center transformed a crumbling alley into a vibrant, green gathering place. This project extended the center's health-based mission beyond the doctors' offices inside.

Jackie Husen Park has become a hub of community and nature, with families enjoying a loop pathway, grassy field, play area, picnic spots and native landscaping. Tualatin Hills Park & Recreation District improved the four-acre park with regional support.

Westmoreland Park is healthier for fish and more fun for kids, thanks to a major makeover. A Metro grant and local share funds helped the City of Portland restore Crystal Springs Creek and create a nature play area.

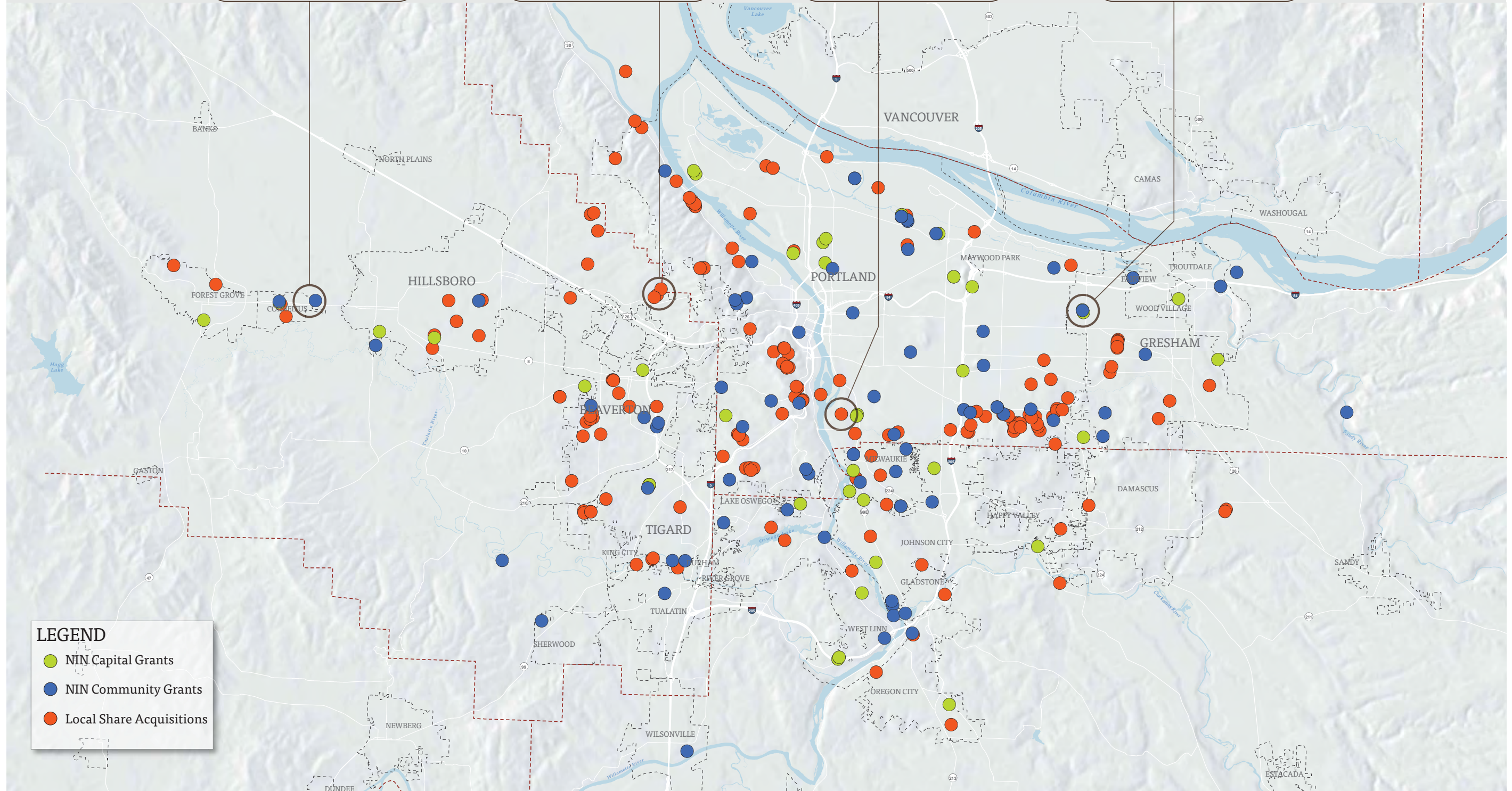
Five years ago, Nadaka Nature Park was neglected and difficult to access. Thanks to dedicated community advocates, it is a place to come together and connect with nature. Metro was proud to support Nadaka with three grants.

**GREEN ALLEY**

**JACKIE HUSEN PARK**

**WESTMORELAND PARK**

**NADAKA NATURE PARK**



**LEGEND**

- NIN Capital Grants
- NIN Community Grants
- Local Share Acquisitions

**SYSTEM PLAN | COMMUNITY INVESTMENTS**



Perched above Gaston, Chehalem Ridge Natural Area overlooks Tualatin Valley farmland and five Cascade peaks – a scenic setting for future visitors. With generations of careful management, young Douglas fir trees will mature to support diverse wildlife and clean water.

Trail advocates long dreamed of a 15-mile path from the Willamette River in Portland to Fanno Creek's confluence with the Tualatin River in Tualatin. That vision is becoming reality, bringing the Fanno Creek Trail through five cities, two counties and many neighborhoods.

Along the twisting path of the Multnomah Channel, you'll find a story of shared vision and partnership, science - based management and the power of listening to the land. You'll also find a dramatically transformed wetland.

Surrounded by warehouses and port terminals in North Portland, Smith and Bybee is one of the region's best-kept secrets. It is also the first natural area or park that Metro managed – a launching point for the regional park system taking shape today

Rising above Happy Valley, Scouters Mountain Nature Park offers a lovely vantage point to admire Mount Hood – and slip into a shady forest. It is one of four nature parks protected, restored and built through the region's investments during the last two decades

For more than half a century, Blue Lake and Oxbow have served as destinations. Visitors picnic, play sports or enjoy Blue Lake's namesake. At Oxbow, they play on the banks of the Sandy River and explore an ancient forest.

**CHEHALEM RIDGE NATURAL AREA**

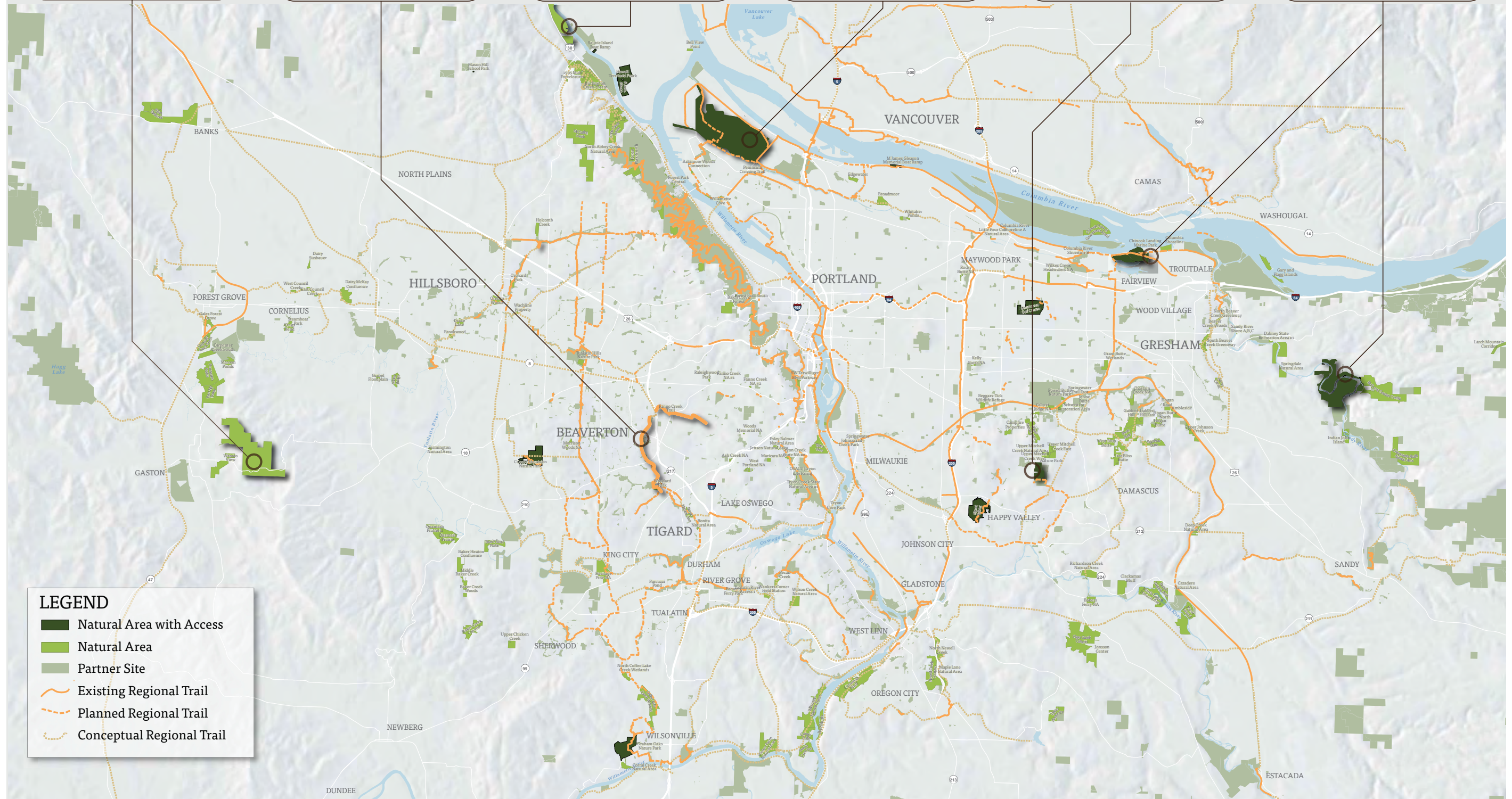
**FANNO CREEK REGIONAL TRAIL**

**MULTNOMAH CHANNEL**

**SMITH & BYBEE WETLANDS**

**SCOUTERS MOUNTAIN NATURE PARK**

**BLUE LAKE & OXBOW REGIONAL PARKS**



**LEGEND**

- Natural Area with Access
- Natural Area
- Partner Site
- Existing Regional Trail
- Planned Regional Trail
- Conceptual Regional Trail

**SYSTEM PLAN | PARKS, TRAILS & NATURAL AREAS**



Across the region, volunteer site stewards serve as the eyes and ears of a specific natural area – often close to home. At places like Chehalem Ridge, stewards walk the site regularly and help with special projects.

Young people have designed pollinator hedgerows, learned about edible plants and explored the wonders of Oregon forests through a new partnership between Self Enhancement, Inc. and Metro. Nearly 300 middle, high school and college students participated in the kickoff year.

Trackers Earth has a reputation for its old-school approach to nature: Kids get dirty, learn survival skills, and experience wild plants and animals. They have a lot more places to do it, thanks to a partnership with Metro.

Metro naturalists foster a love of nature by offering guided field trips to Oxbow Regional Park and Smith and Bybee Wetlands. On weekends, conservation education programming is available at a growing list of parks and natural areas.

### SITE STEWARDS

### SELF ENHANCEMENT, INC.

### TRACKERS EARTH

### CONSERVATION EDUCATION

**LEGEND**

**COMMUNITY PROGRAMS WITH AN EQUITY FOCUS**

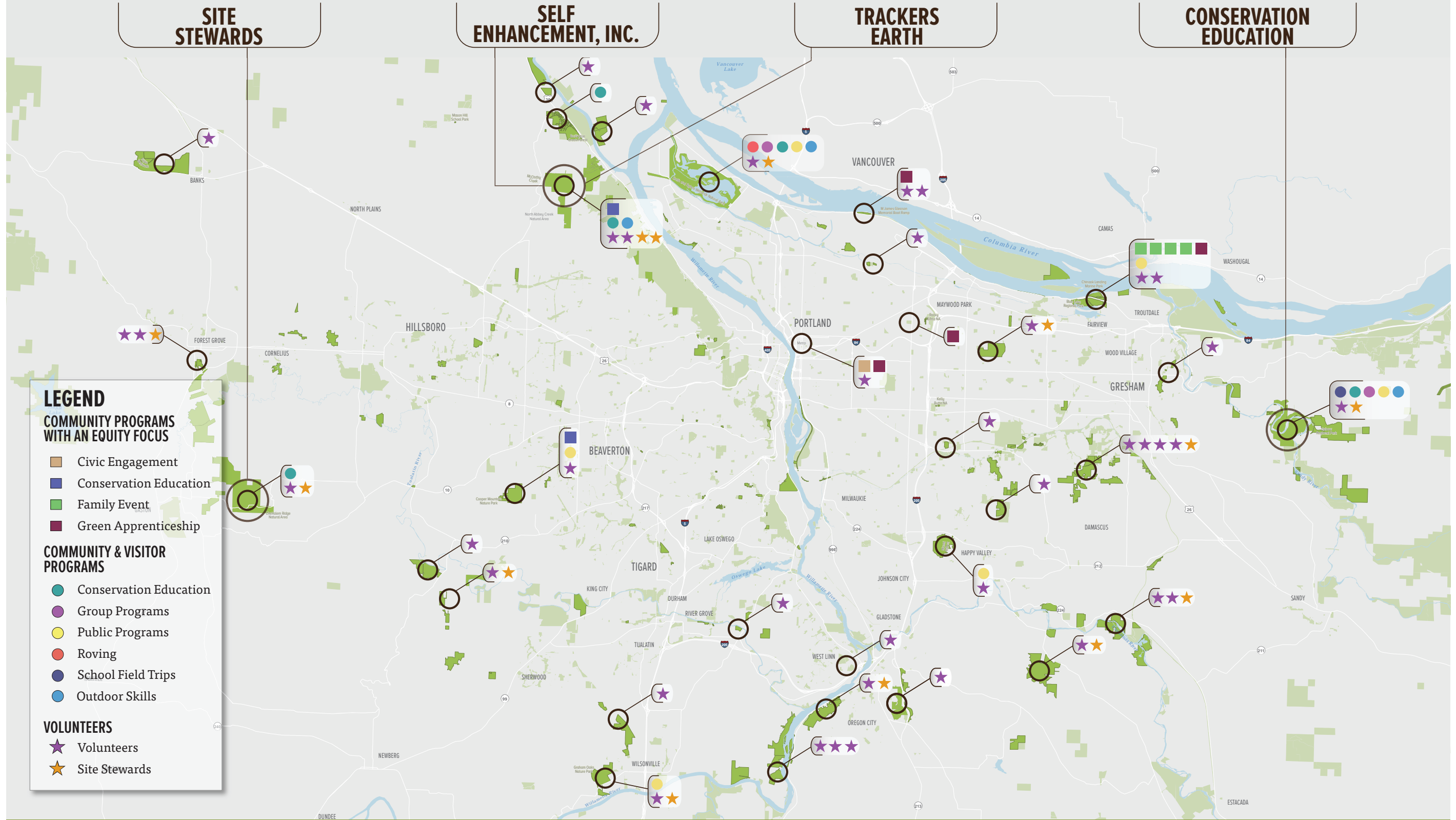
- Civic Engagement
- Conservation Education
- Family Event
- Green Apprenticeship

**COMMUNITY & VISITOR PROGRAMS**

- Conservation Education
- Group Programs
- Public Programs
- Roving
- School Field Trips
- Outdoor Skills

**VOLUNTEERS**

- Volunteers
- Site Stewards



# SYSTEM PLAN | CONNECT WITH NATURE



# OVERVIEW OF GRAHAM OAKS NATURE PARK

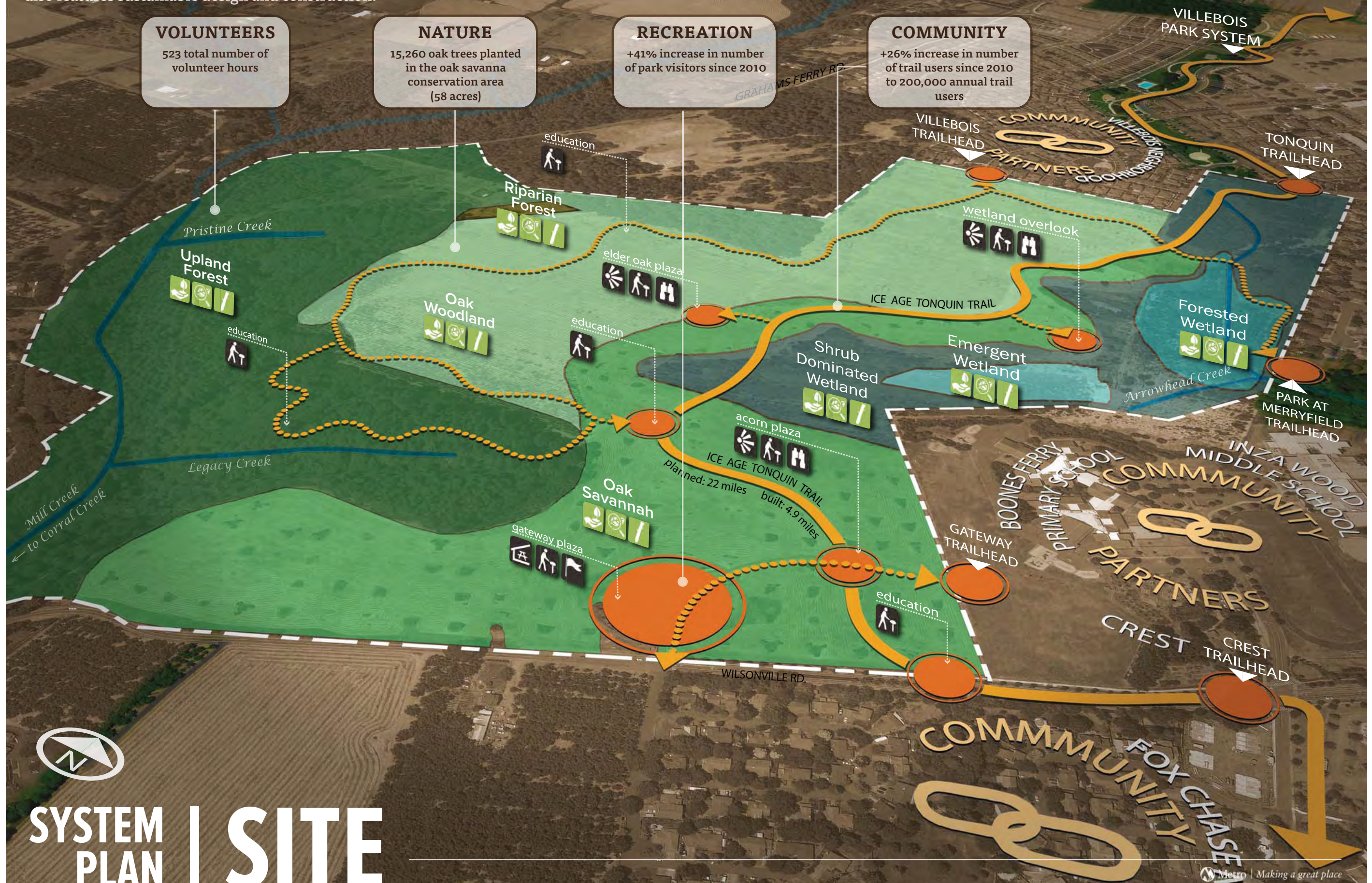
Once home to the Kalapuya Indian tribe, and later homesteaded by pioneers, Graham Oaks is one of four major nature parks protected, restored and opened by Metro's voter-approved Natural Areas Program. Visitors can explore more than three miles of trails, traversing a restored oak woodland, a wetland and a conifer forest. The nature park also features sustainable design and construction.

**VOLUNTEERS**  
523 total number of volunteer hours

**NATURE**  
15,260 oak trees planted in the oak savanna conservation area (58 acres)

**RECREATION**  
+41% increase in number of park visitors since 2010

**COMMUNITY**  
+26% increase in number of trail users since 2010 to 200,000 annual trail users



SYSTEM PLAN | SITE



# UNDERSTANDING THE TONQUIN AREA

Relatively small but diverse, the Tonquin area covers the Coffee Lakes Complex, Graham Oaks Nature Park and Corral Creek. This landscape presents major opportunities for both habitat and people, from wetland restoration at Coffee Lakes Creek to locally important stream and forest restoration. Regional conservation efforts will focus on creating biodiversity corridors for habitat and wildlife by connecting rivers, wetlands, and oak habitat. Eventually, regional trails and parks will link the communities of Wilsonville, Sherwood and Tualatin to Graham Oaks, the Tualatin and Willamette rivers and the Tualatin River Wildlife Refuge.

## VOLUNTEERS

total number of volunteer hours:

- 66 education
- 40 native seed collection
- 408 restoration
- 9 wildlife monitoring

## SCHOOLS

At the gateway to Graham Oaks, the CREST facility provides conservation education for students throughout the Tonquin area.

## EQUITY

Growing at more than 9 percent per year, the Hispanic/Latino population is Wilsonville's fastest-growing racial or ethnic group. Metro is creating a community partners program to better understand their needs and provide connections to nature.



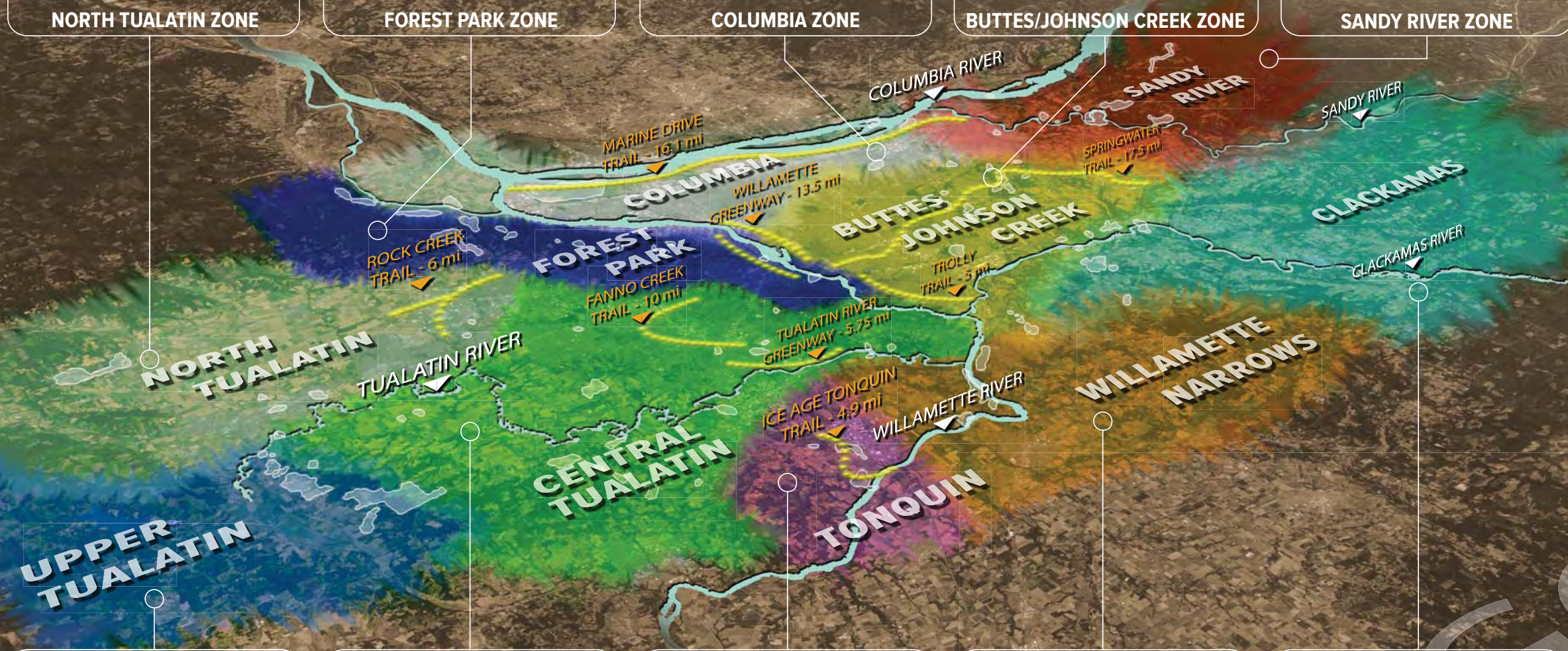


# UNDERSTANDING OUR SYSTEM

*From a collection of great places to Making a Great Place*

Everybody has their own way of defining a community. When it comes to nature, Metro blends the best of all these ideas – geography, ecology, land use, city and county lines – to identify 10 distinct parts of our region. These zones consider conservation and geographic features (think watersheds and drainage basins) alongside partnerships, demographics and economics. The result: a mosaic of community identities that highlight the richness of our region, from the Sandy River to the North Tualatin.

natural area	McCarthy Creek Natural Area, 403 acres	Killin Wetland, 590 acres	Smith & Bybee Wetlands, 2,073 acres	Towle Butte, 154 acres	Chinquapin Bluffs Natural Area, 329 acres
recreation area	Balch Creek Forest, 86 acres	Orenco Woods, 44 acres	Blue Lake Park, 182 acres	Mount Talbert, 253 acres	Oxbow Regional Park, 792 acres
grants	Restore Forest Park, \$100,000 awarded to the Forest Park Conservancy in 2014	Wapato Marsh Wetlands Restoration Project, \$129,200 awarded to Hillsboro in 2011	"Let's Build Cully Park" \$577,000 awarded to Portland Parks & Recreation in 2012	Greening the I-205 Multi-Use Path, \$415,436 awarded to Friends of Trees in 2009	Sandy River Delta Restoration, \$85,800 to Sandy River Basin Watershed Council in 2014
local share	Marquam Nature Park Acquisitions, Portland, \$13,306	Orenco Woods Acquisition, Hillsboro, \$1,150,352	Salish Ponds Nature Park improvements, Fairview, 2006: \$362,070	Main City Park Restoration & Public Facilities, Gresham, \$807,304	Mount Hood Community College Natural Area Restoration, Troutdale, \$427,724
volunteers	95 volunteer hours since 2009	32 volunteer hours since 2009	10,265 volunteer hours since 2009	18,600 volunteer hours since 2009	14,475 volunteer hours since 2009



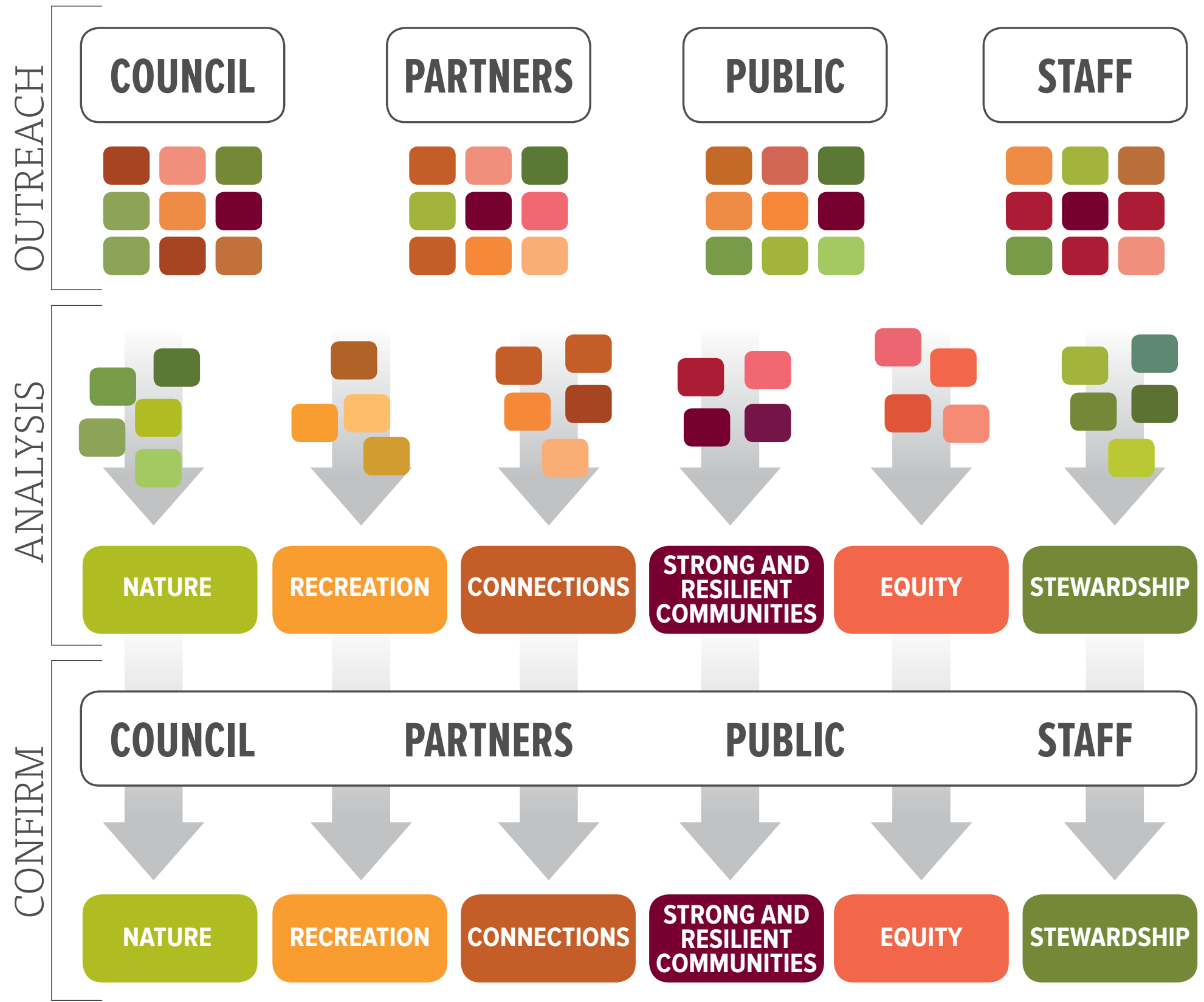
natural area	Penstemon Prairie, 284 acres	Quamash Prairie, 168 acres	Coffee Lake Creek Wetlands, 226 acres	Peach Cove Fen, 99 acres	Clear Creek Canyon, 511 acres
recreation area	Chehalem Ridge Natural Area, 1,197 acres	Cooper Mountain Nature Park, 233 acres	Graham Oaks Nature Park, 246 acres	Willamette River Water Trail	Cazadero Trail, 8 miles
grants	Old Town Loop Trail and Restoration Project, \$138,000 awarded to Forest Grove in 2014	Dirksen Nature Park – A Walk Through Northwest Ecosystems, \$390,000 awarded to Tigard, 2014	Central Hedges Creek Marsh Enhancement, \$10,000 awarded to The Wetlands Conservancy, 2006	John Inskeep Env. Learning Center Site Restoration, \$868,342 awarded to Clackamas Community College, 2014	Rock Creek Confluence Restoration, \$209,000 awarded to Clackamas Co. Water Environment Services in 2013
local share	Steamboat Park Improvements, Cornelius, \$7,350	Jackie Husen Park Development Project, Tualatin Hills Park & Recreation District, \$717,000	CREST Gateway, Wilsonville, \$100,000	Oregon City High School Area Acquisition, \$525,000	Boring Station Trailhead Park, Clackamas County, \$346,211
volunteers	453 volunteer hours since 2009	19,065 volunteer hours since 2009	2075 volunteer hours since 2009	3010 volunteer hours since 2009	2800 volunteer hours since 2009

MT. HOOD



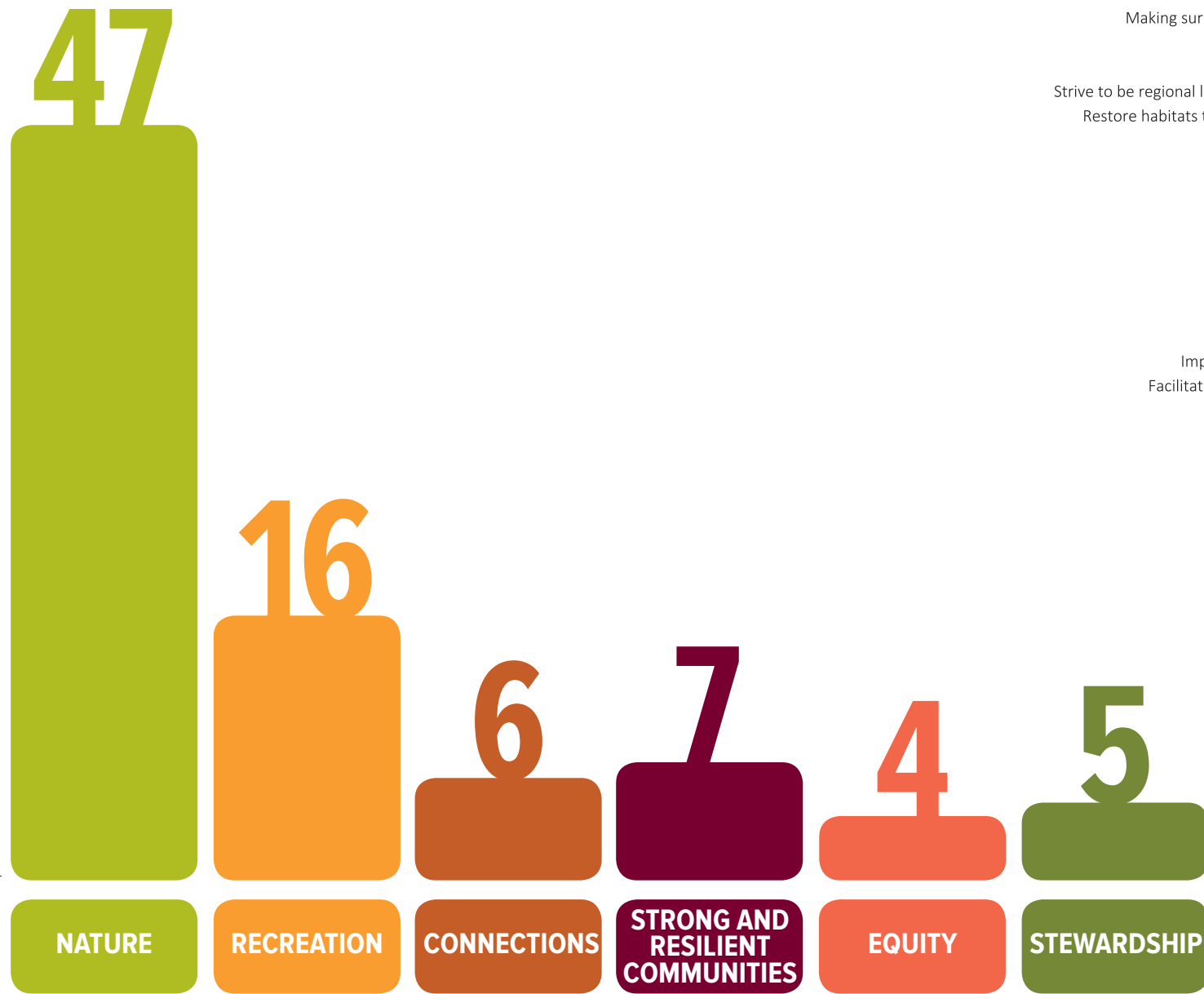
# SYSTEM PLAN | REGION



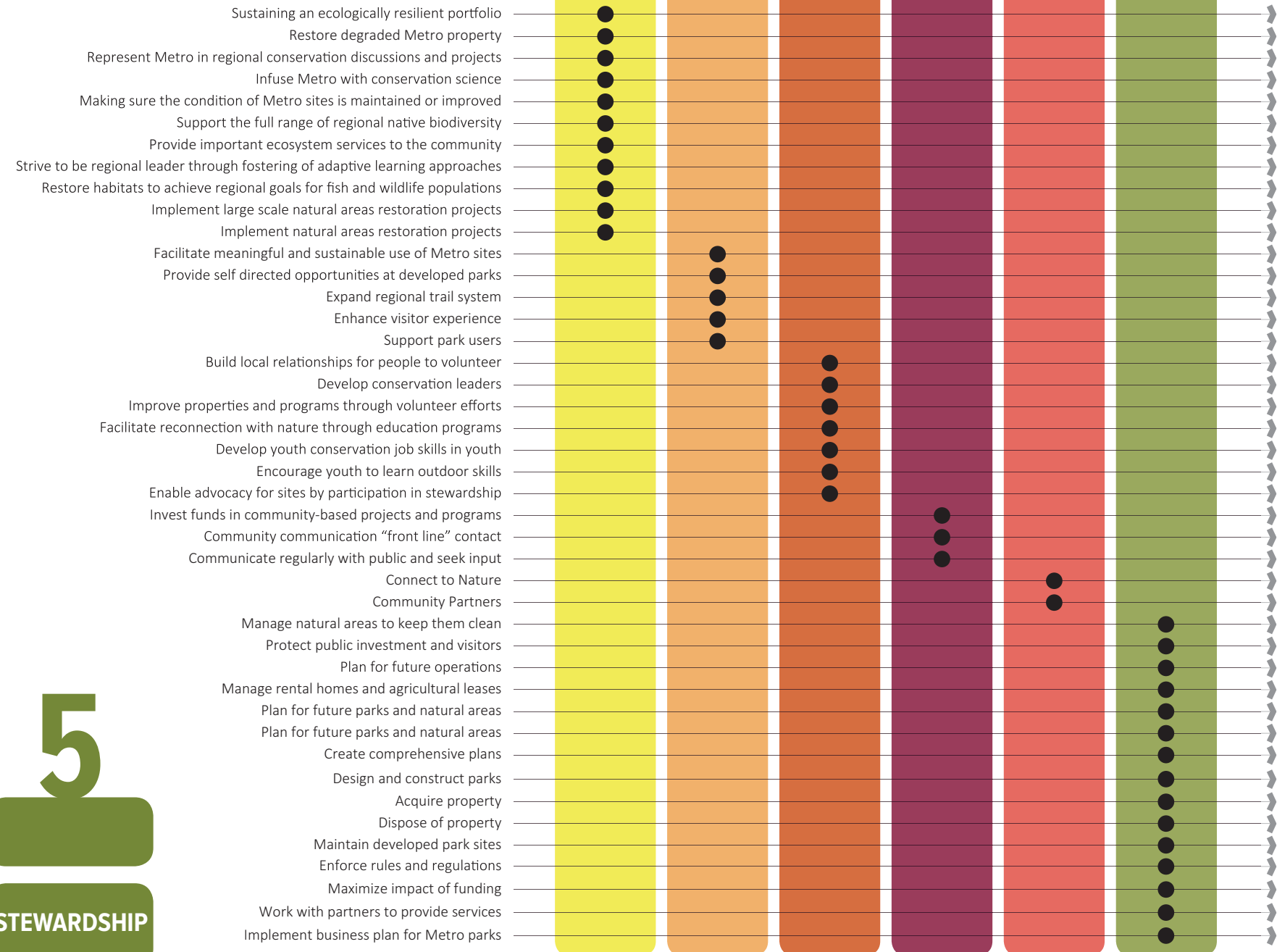


# OVERVIEW

NUMBER OF EXISTING POLICIES



## EXISTING STRATEGIES



# OVERVIEW



Protecting and restoring nature for future generations is at the heart of Metro's role. People come to Oregon – and stay here – for clean water, fresh air and healthy wildlife habitat. They can depend on Metro to safeguard those qualities across the forests, prairies, wetlands and riverbanks that voters have protected. By connecting these places across the region, we help plants and animals thrive in an urban environment.

# NATURE





Nature supports healthy, active outdoor lifestyles. Whether you're strolling through a forest listening for birds, kayaking on the Willamette River or jogging on a regional trail, you will find a destination that meets you where you are.

# RECREATION





People depend on nature for peace, quiet and renewal. Metro provides opportunities to immerse yourself in nature – and give back – by learning, volunteering, forging partnerships and gaining confidence in the outdoors.

# CONNECTIONS



Nature makes our communities happier, healthier and wealthier. By protecting regional parks, trails and natural areas, we create a big backyard for people living in urban areas. We strengthen community identity. We connect people with their homes, their jobs and one another. We attract businesses to the region and build communities where people want to live.

# STRONG AND RESILIENT COMMUNITIES





Whoever you are and however you want to experience nature, there's a place for you at regional parks, trails and natural areas. Everyone should feel safe and welcome in nature close to home. Working together, we can help make sure everybody benefits from natural resources in their community.

# EQUITY





Caring for regional parks and natural areas should be economically, environmentally and socially sustainable. Metro is committed to taking good care of the nature that voters have protected and providing an exceptional experience for visitors.

# STEWARDSHIP