Port of Portland
Environmental Management System

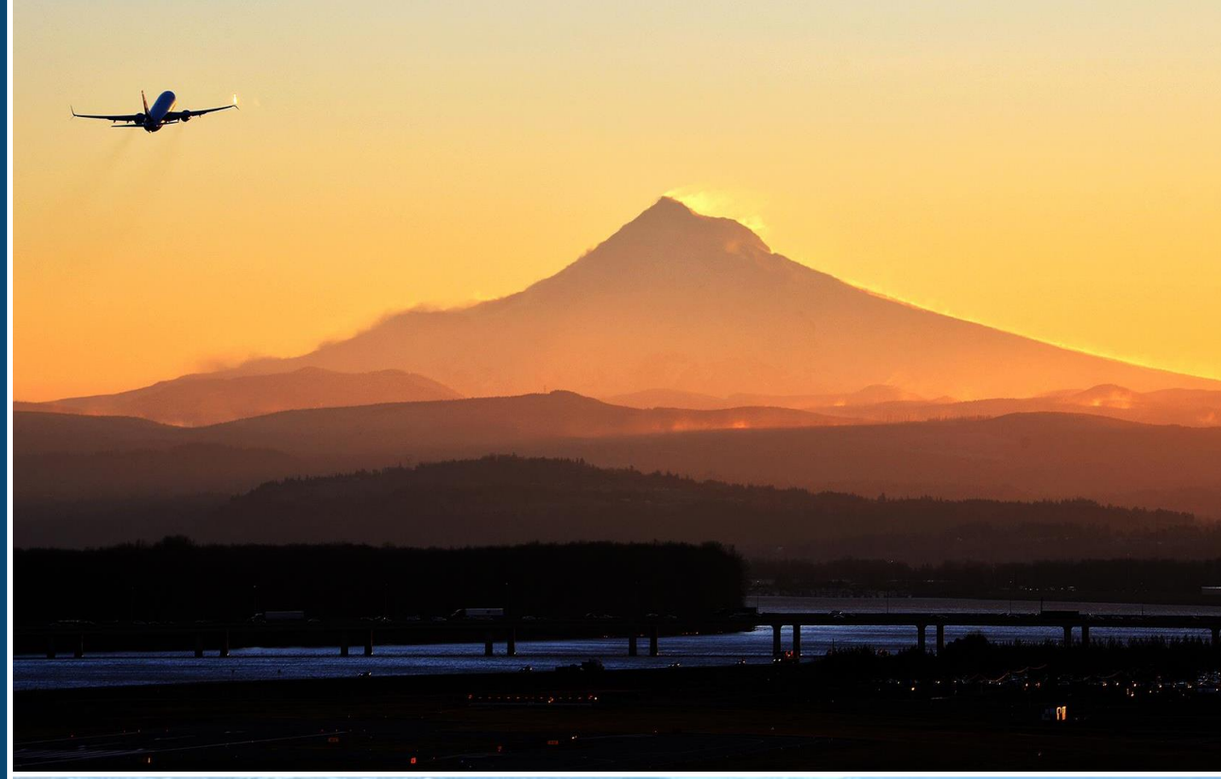
Business & The Environment Conference
December 2019

The Mission of the Port of Portland

“To enhance the region’s economy and quality of life by providing efficient cargo and air passenger access to national and global markets, and by promoting industrial development.”

Port of Portland
Business Lines

- Aviation
- Marine
- Industrial Development
- Navigation



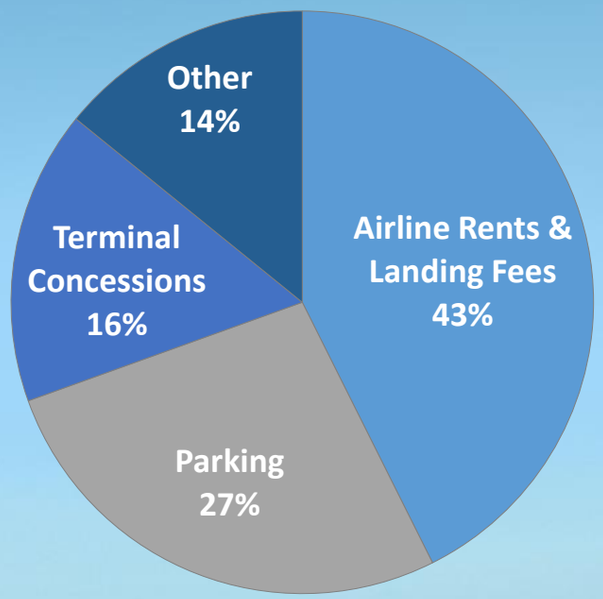
Port of Portland Facilities

Port of Portland Revenues

PDX

Revenue from Operations:

$270.8 million

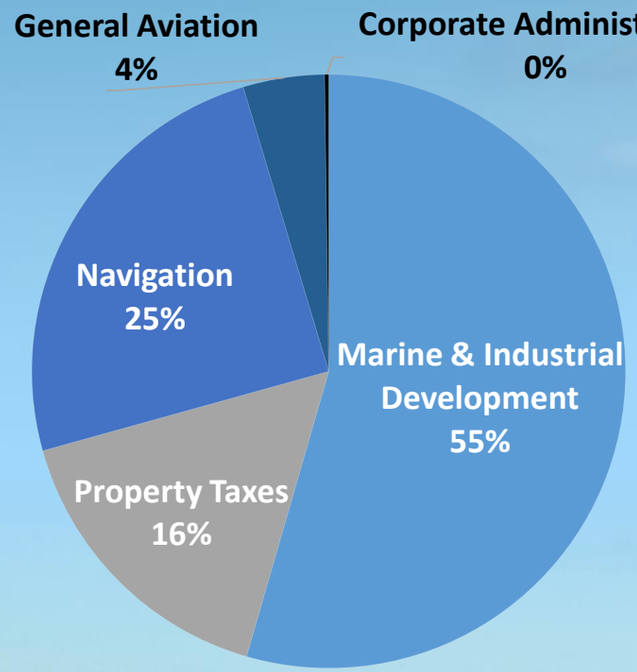


Fiscal Year July 1, 2018 –
June 30, 2019

General Fund

Revenue from Operations:

$80.2 million



Fiscal Year July 1, 2018 –
June 30, 2019

PORT OF PORTLAND
Possibility. In every direction.™

PORT OF PORTLAND

PORT ENVIRONMENTAL AND SUSTAINABILITY POLICIES

- Foster a culture that maximizes efficiency of staff and resource utilization, minimizes waste, and strives for continuous improvement.
- Exhibit leadership in the community and industry through implementation of innovative, triple-bottom-line approaches based on sound science and informed decision-making.
- Encourage partnerships by engaging customers, the community, and key stakeholders to ensure input is integrated into short and long-term planning and implementation.

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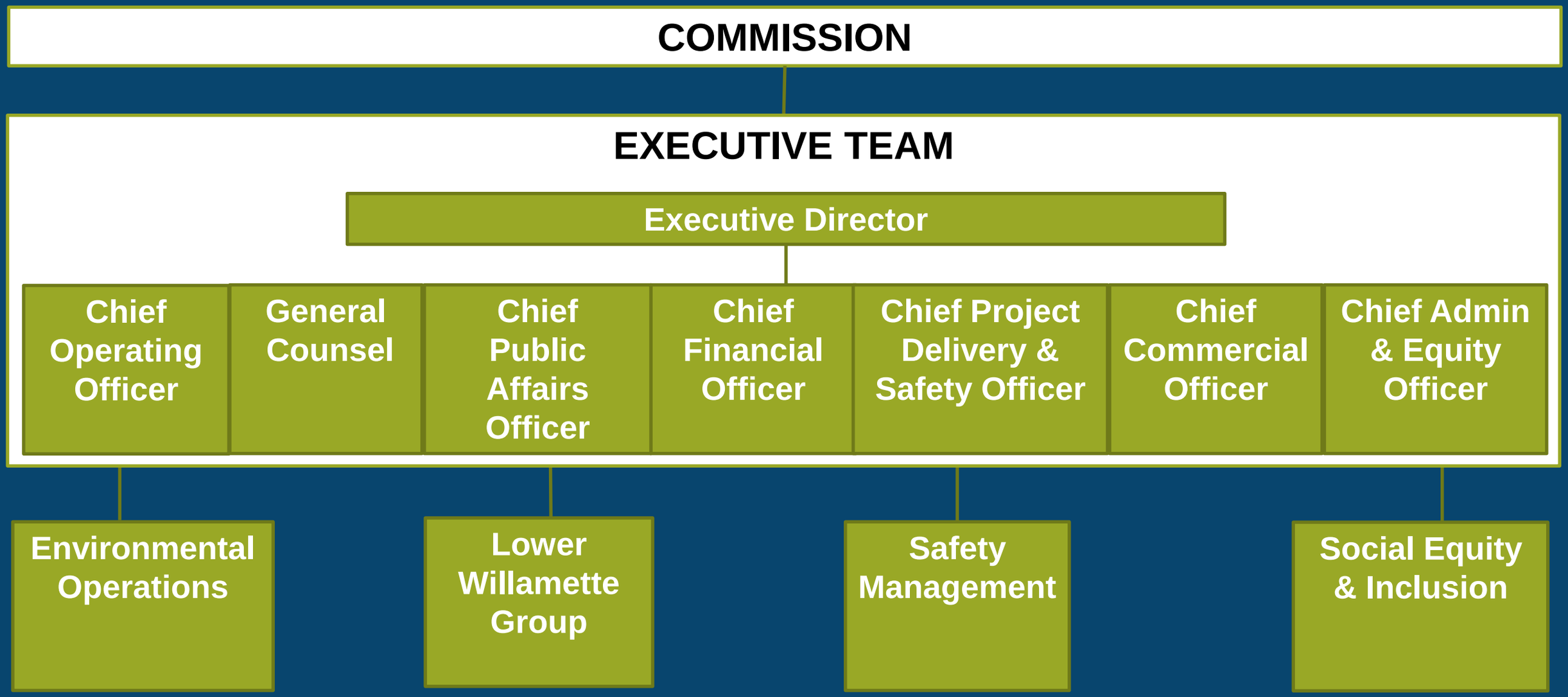
ORGANIZATIONAL STRUCTURE



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ENVIRONMENTAL MEDIA FOCUS AREAS

Natural Resources

- Invasive species management
- Habitat creation for species of concern
- Mitigation projects

Water Resources

- Water conservation in landscaping, public spaces, and buildings
- Stormwater management program to protect water quality

Land Quality

- Food donation program
- Recycling program
- Regular outreach to tenants
- Hazardous material reduction
- Site cleanup

Air Quality

- Reduce greenhouse gas emissions and diesel particulate matter
- Alternative fuels use
- Emphasis on efficiency and reduced idling

Energy Management

- 100 percent certified renewable electricity
- Energy efficient design and retrofits
- Annual goals to conserve power

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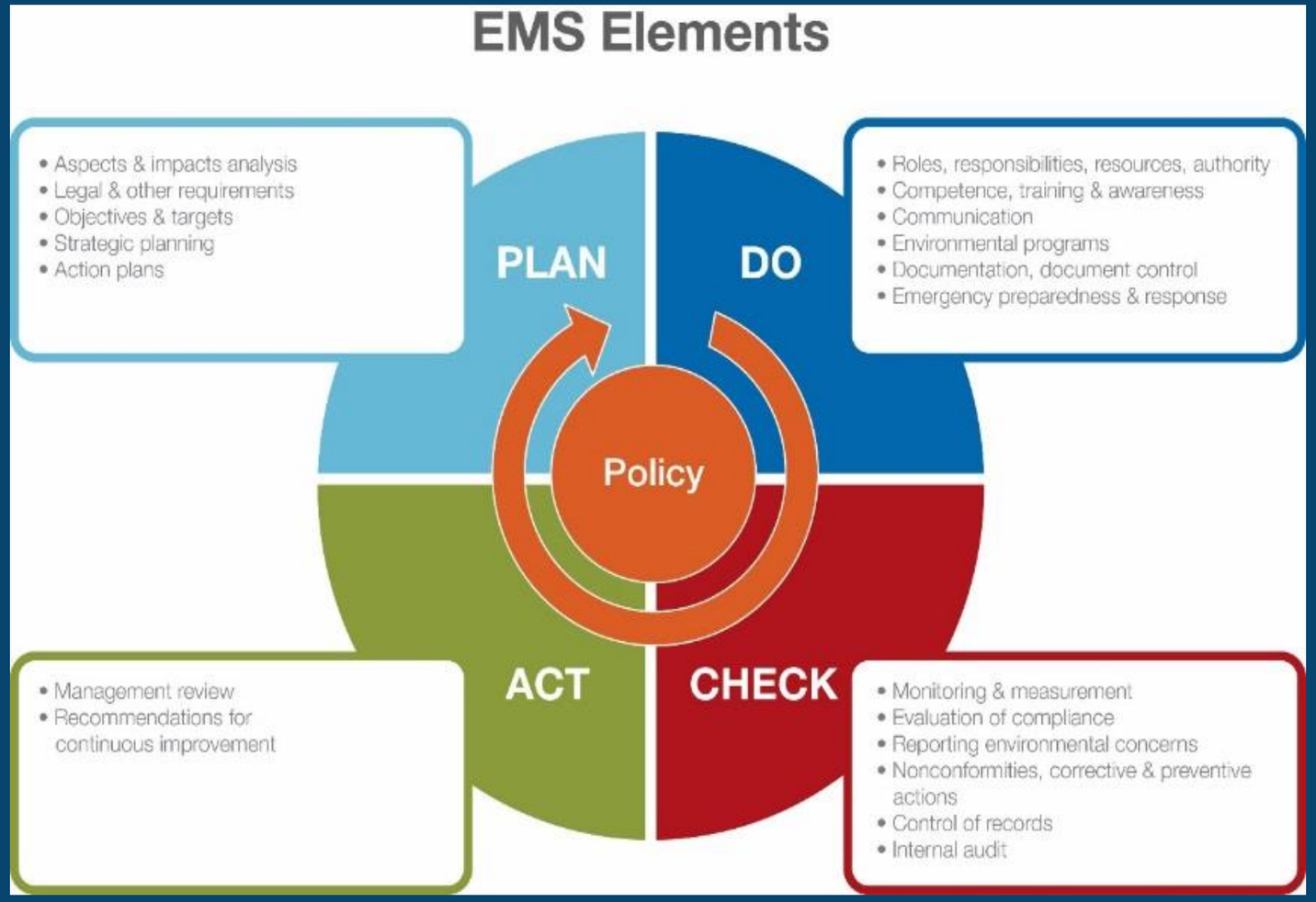
ENVIRONMENTAL MANAGEMENT SYSTEM

- Integrate environmental management and considerations into our operations
- Consider environmental factors in the early stages of projects and initiatives
- Improve efficiency and environmental performance
- Use the “Plan-Do-Check-Act” cycle to ensure systematic, ongoing performance



VALUE OF AN EMS

- Risk Management
  - Reduced Environmental Impacts
    - Supports Stewardship Culture and Mindset
    - Pollution Prevention
    - Resource Conservation
  - Operational Efficiency and Continuous Performance Improvement
- Stakeholder Engagement
  - Employee Knowledge and Awareness
  - Reputation and Social License to Operate
- Regulatory Benefits
  - Enhanced Legal Compliance
- Systematic
  - Demonstrates Proactive Approach
  - Benefits to Other Initiatives

In November 2014, our Port-wide EMS was certified by an independent third-party to the ISO 14001 International Standard for Environmental Management Systems.

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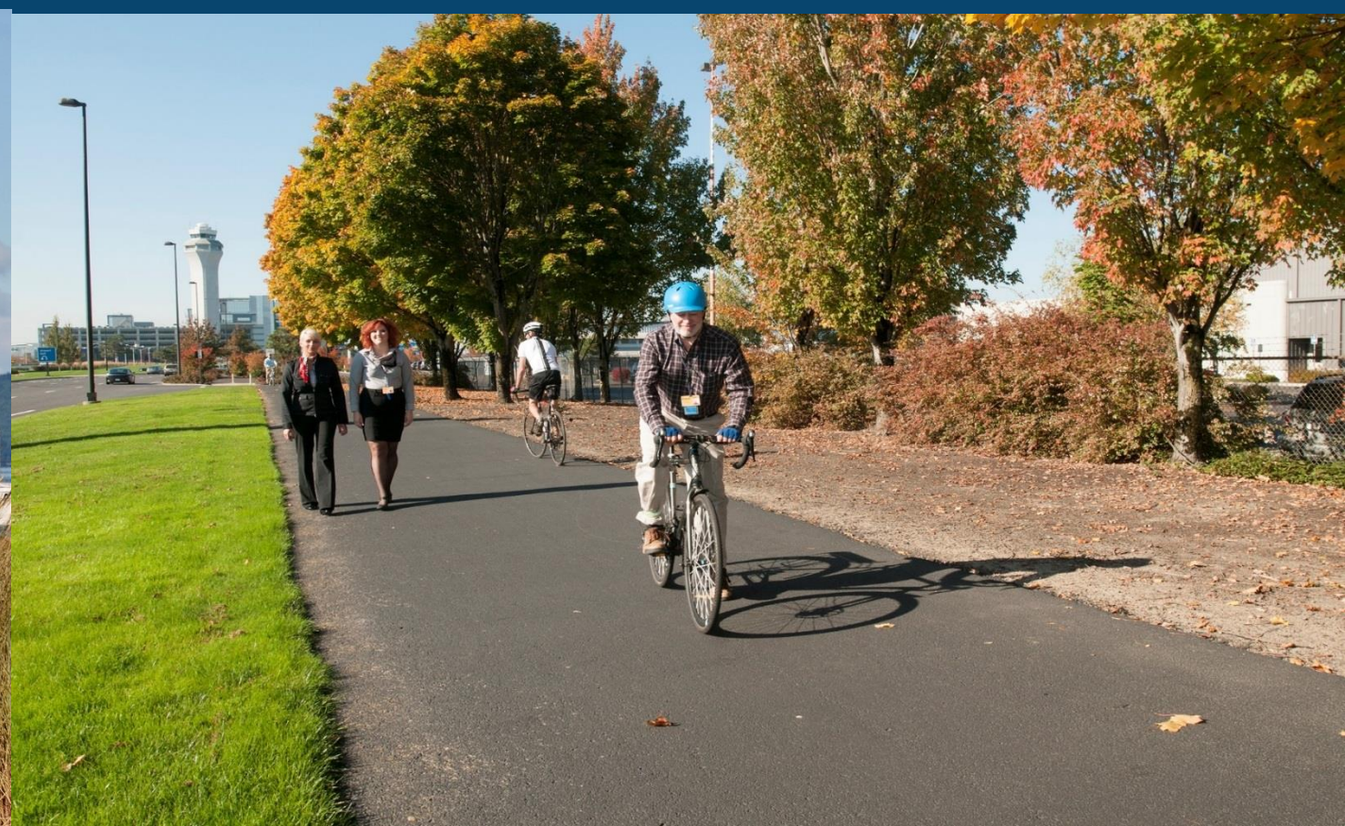
OBJECTIVES & TARGETS

- We set environmental objectives and targets, track progress, and measure our success.
- Goal-setting is part of the EMS that continuously improves our performance. By setting goals, program managers, operational staff and other stakeholders develop targets and actions that will minimize our environmental footprint, innovate on current practices, or respond to stakeholder concerns.
- We periodically report on results and announce future actions.



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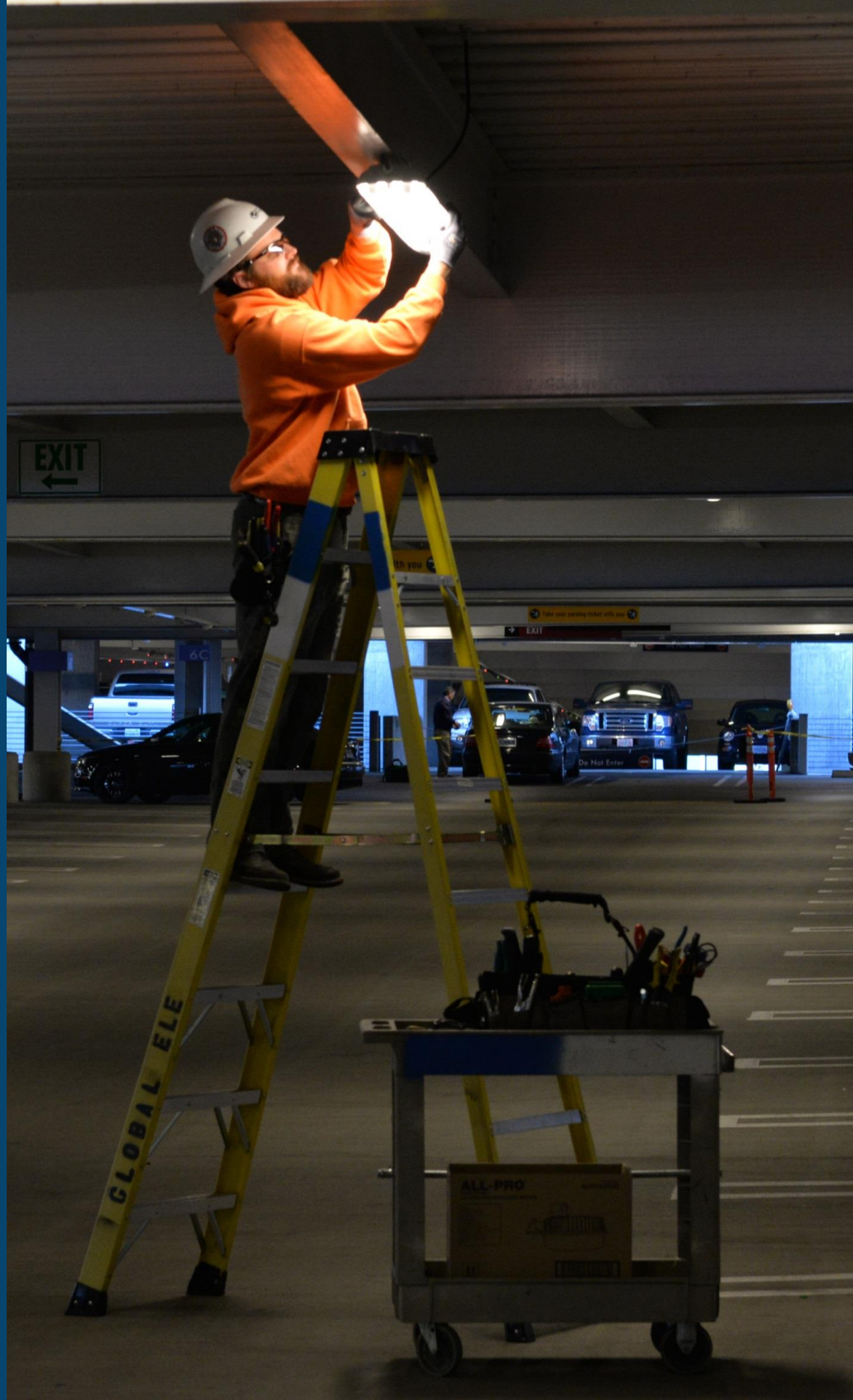
HEADQUARTES: LEED PLATINUM-CERTIFIED

http://www.youtube.com/watch?v=xsjIbWKJhsU

EXAMPLE: ENERGY EFFICIENCY UPGRADES

Benefits from a project to install new energy efficient LED lighting across Port facilities include:

- 1,020 Metric Tons of annual reduction of Port CO2 emissions
- 1,383,000 kwh annual reduction in Port electrical power consumption
- $300,000 in Energy Trust of Oregon rebates to Port upon completion of work
- Longer Lamp life reduces maintenance needs
- Dark Sky (Full cut-off) type lighting technology



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AT OUR FACILITIES

Waste audits at our facilities support the Port's move to Zero Waste at our facilities and waste minimization with tenants.

AT OUR HEADQUARTERS

Active employee participation helps us to divert about *75% of our waste from the landfill at the Headquarters building.

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QUESTIONS?

Shannon Tocchini
EMS, Compliance & Performance
Port of Portland