COMMISSION AGENDA   **Item No.**   7c

                                        Date of Meeting   November 1, 2011

DATE: October 25, 2011

TO: Tay Yoshitani, Chief Executive Officer

FROM: Elizabeth Leavitt, Director Aviation Planning & Environmental Services
                 Stephanie Jones Stebbins, Director, Seaport Environmental and Planning
                         Programs

SUBJECT: Century Agenda: Presentation and Discussion on Environmental Five-Year
                         Milestones

**STRATEGIC GOALS FROM THE "ACHIEVING OUR ENVIRONMENTAL VALUES"
PANEL**

At the October 4, 2011 meeting, the Port Commission approved the following goals that arose
from the "Achieving our Environmental Values" panels and subsequent discussion. Those goals
were:

Be the cleanest, greenest, most energy efficient port in the United States through the following
policies:

- Reduce air pollutant emissions by 50% from 2005 levels.
- Lead our industry's greenhouse gas (GHG) reduction strategies by reducing carbon
  emissions from all Port operations by 50% from 2005 levels and reducing aircraft-related
  GHG emissions at Sea-Tac by 25%.
- Meet future growth in energy usage through conservation and renewable sources.
- Restore, create, and enhance 40 additional acres of habitat in the Green/Duwamish
  watershed and Elliott Bay.
- Prevent sprawl in less developed areas of Puget Sound by anchoring our region's urban
  industrial land use.
- Ensure all stormwater leaving Port operated facilities will meet or exceed agency
  requirements and create partnerships that lead our industry in stormwater quality
  improvements.

Since that time, senior staff from Aviation and Seaport created 5-year objectives to meet those goals.
The following are elements of the plan for the Commission to consider and discuss:

GOAL: Reduce air pollutant emissions by 50% from 2005 levels

5-year Objectives:
Seaport –
- Reduce truck DPM emissions by 50% or 1.5 tons per year (tpy) and Ocean Going Vessel DPM Emissions by 80% or 47.2 tpy
- Update NWPCAS in 2012, setting goals joint goals with Port Metro Vancouver and Port of Tacoma through at least 2020 for Diesel Particulate and Carbon Emissions.

Aviation –
- Sea-Tac will improve the overall efficiency of its vehicle fleet by 30% over 2005 levels by 2015.
- Investigate alternative fuel options for boiler operations.
- Complete plan for future emission reduction projects.

GOAL: Lead our industry's greenhouse gas (GHG) reduction strategies by reducing carbon emissions from all Port operations by 50% from 2005 levels and reducing aircraft-related GHG emissions at Sea-Tac by 25%

5-year Objectives:
Seaport –
- Measure and report carbon emissions
- Set GHG reduction goals in alignment with WA State reduction goals.

Aviation –
- Complete projects including Pre-Conditioned Air, Electric Ground Support Equipment, Fuel Hydrant System expansion, and fleet improvements.
- Complete plan for future GHG emission reduction projects.

Aircraft –
- Work with partners to institute Greener Skies at SEA
- NextGen technologies implemented at SEA.
- 50 Million gallons per year bio-jet fuel delivery to Sea-Tac.

GOAL: Meet future growth in energy usage through conservation and renewable sources

5-year Objectives:
Seaport –
- Complete energy audits at container terminals by 2014 and 2 other properties by 2016.
- Begin implementation of all identified energy conservation projects that have a positive Net Present Value (NPV).
- Complete one renewable energy generation pilot project.
- Energy usage in 5 years is at or below 2011 annual average.

Aviation –
- Complete energy conservation projects with positive Net Present Value (NPV).
- Meter and monitor to evaluate existing energy usage to identify new conservation projects.
- Perform energy efficiency reviews for all Port sponsored capital projects.
- Update Electrical Resource Plan.
- Reduce Airport data center server power consumption.
- Identify cost effective new renewable energy sources, including geothermal use in new buildings.
- Energy usage in 5 years is at or below 2011 annual average.

GOAL: Restore, create, and enhance 40 additional acres of habitat in the Green/Duwamish watershed and Elliott Bay

5-year Objectives:
Seaport –
- Design and construct T-117 habitat mitigation (6 acres).
- Complete plan for enhancement and creation 10 acres of additional habitat.

GOAL: Prevent sprawl in less developed areas of Puget Sound by anchoring our region's urban industrial land use

5-year Objectives:
Portwide –
- Advocate for policies that preserve industrial zoning, maintain economically competitive utility rates and support completion of transportation infrastructure.

Seaport –
- Help industrial businesses thrive in the complex environmental regulatory environment, through educational efforts such as ECAP, Energy conservation and sustainable management policies.
- Encourage brownfields development.
- Support purchase and redevelopment of off-dock container yard property.

Aviation –
- Maximize space closest to the airport for high density airport related use. Specific projects include cargo facility expansion.
- Break Ground on SR 509 extension.
- Update the Airport Master Plan.
- Partner with Sound Transit to extend Link Light Rail.

GOAL: Ensure all stormwater leaving Port operated facilities will meet or exceed agency requirements and create partnerships that lead our industry in stormwater quality improvements

5-year Objectives:
Seaport –
- Complete Comprehensive Water Quality Plan and identify additional 5 year milestones by the end of 2012.
- Use ECAP and Source Control Grant monies to continue ongoing education and pollutant reduction from Port and tenant sources.

Aviation –
- Sea-Tac will achieve and maintain 100% Best Management practices for water quality treatment and flow control over 100% of airport industrial areas.
- Identify and implement off-airport property low impact development practices.