

## AIRPORT FUTURES KEY SUSTAINABILITY GOALS

Airport Futures Key Sustainability Goals – Consolidated Subcommittee Proposal including comments received up to and including the February 3, 2010 Land Use/Transportation Subcommittee Meeting.

These strategic goals have been drafted by the Sustainability Subcommittee as part of a larger sustainability process overview. The goals, along with the Vision and Values and Guiding Principles are intended to give guidance to the Port, City and Ongoing PDX Advisory Committee. They continue to reflect a collaborative approach between the City, Port and Portland-Vancouver metropolitan community to create an integrated long-range development plan for Portland International Airport. These goals are not assumed to be an all-inclusive list. Instead, they are intended as a starting point, setting the direction for the detailed tactical work that is expected to generate goals, objectives, and targets that are specific, time-based and measurable.

1. PDX-controlled airport operations will achieve carbon neutrality by 2035<sup>1</sup>. As part of this, PDX will adopt a Climate Action Plan in coordination with the City of Portland by 2011<sup>2</sup>.
2. Consistent with the Wildlife Hazard Management Plan, Airport Master Plan, and City Land Use Plan, the Port will fully mitigate for impacts and contribute to overall net improvement of wildlife habitat quality, quantity and connectivity within the Columbia Slough Watershed.
3. Consistent with the Wildlife Hazard Management Plan, the Port will achieve the equivalent of the City of Portland's target of 15% canopy cover on industrial lands either by on-site tree plantings or support for compensatory offsite tree plantings where onsite planting is not practicable.

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<sup>1</sup> By “carbon neutrality” we mean achieving net zero carbon emissions by balancing a measured amount of carbon released with an equivalent amount sequestered or offset. The term carbon neutrality is used to reflect the fact that it is not just carbon dioxide (CO<sub>2</sub>) that is driving climate change, but also encompasses other greenhouse gases, namely: methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), hydrofluorocarbons (HFC), perfluorocarbons (PFC), and sulphur hexafluoride (SF<sub>6</sub>). It is not assumed that PDX would have zero carbon emissions. The State Goal is to reduce greenhouse gases to 75% below 1990 levels by 2050, arrest growth by 2010, and be 10% below 1990 levels by 2020. The Port’s 2009-10 Target is to reduce Port direct and indirect greenhouse gas emissions 15% below 1990 levels by 2020. The Port has identified an additional target of reducing diesel particulate matter from Port-controlled operations by 25% from 2000 baseline levels by 2015.

<sup>2</sup> As part of this plan, PDX will develop a Sustainable Choices website by 2012 to guide passengers on how they can participate in reducing their air travel carbon footprint, including providing carbon offsets to passengers.

4. PDX will achieve net zero waste by 2035<sup>3</sup>.
5. PDX will eliminate or minimize toxic substances used and hazardous waste generated in the operation of the airport<sup>4</sup>.
6. The City of Portland, City of Vancouver and Port of Portland will appoint an advisory group will be appointed to help PDX achieve continuous improvement in its public involvement and sustainability efforts<sup>5</sup>. Stakeholders in PDX planning, operations and improvements will be valued participants in Port and City decision making.
7. PDX will expand and diversify passenger and employee transportation options, achieve the highest transit mode split in the nation and manage transportation demand to preserve mobility for all modes within the airport area<sup>6</sup>.
8. By 2035, PDX will achieve indoor air quality measurements 30% better than current ASHRAE 62.1-2004 standards.
9. PDX will obtain 100% of operating power for PDX-controlled facilities from renewable sources and will achieve in-building energy efficiency levels of 45 W/M<sup>2</sup> by 2035.

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<sup>3</sup> PDX uses the One Planet Living definition of “zero waste” to mean no more than 2% of construction or normal operational wastes would go to landfills. (See separate goal for toxic and hazardous wastes)

<sup>4</sup> Details on how this will be accomplished will be worked out during implementation of the master plan. In general, implementing will involve developing a plan to annually:

- Evaluate current and new technologies that can achieve further reductions of toxic chemicals and hazardous waste;
- Review and updating process and personnel procedures involving hazardous materials use and hazardous waste generation; and
- Train employees about how they can help the facility reduce its toxics use and hazardous waste generated.

<sup>5</sup> A key focus of the Ongoing Public Involvement Subcommittee is sustainability and that group has discussed the possibility of creating subcommittee’s in the future on a case by case basis.

<sup>6</sup> Traffic count data for the airport area is currently collected on a regular basis as is light rail ridership for passengers and employees. In addition the Port conducts annual terminal user surveys that provide information on passenger transportation choices. The 2007 base year passenger LRT ridership is approximately 6.5%. PDX would need to double that number to be in the range of the best transit mode split in the nation. The Port does not have complete control over numerous aspects of the transportation system and will need to work cooperatively with other transportation service providers, airport tenants and area businesses to achieve these goals.

10. PDX will give preference to doing business with firms that have implemented Health Safety Environmental Management Systems under ISO 14001, with the goal of having 75% of them compliant by 2035<sup>7</sup>.
11. PDX will participate in the US Dark Skies initiative to limit light pollution to the extent that this is allowed by FAA regulations.
12. By 2010 PDX will provide 5 hours of sustainability education and awareness training annually to its employees and will encourage all companies operating at the airport to do the same. Provide sustainability education and awareness information to passengers.
13. PDX will maintain its viability and its part in the regional economy by:
  - a. Maintaining an airport master plan that can be effectively phased to balance operating and capital costs in a way that keeps PDX cost competitive and maximizes the use of existing infrastructure.
  - b. Making PDX investment decisions based on achieving lowest life-cycle costs.
  - c. Preserving and enhancing opportunities for airport-dependent and airport-related businesses in and around PDX.
  - d. Preserving the significant transport and warehousing job base in the vicinity of PDX.
14. PDX will adopt an environmental management system, underpinned by measurable sustainability goals, and subject them to annual or biennial public reporting and auditing by an independent third party beginning in 2011.
15. The Port will comply with all local, state and federal air quality mandates and will continue to measure impacts on the local environment and develop annual goals and benchmarks for continuous improvement, above-and-beyond regulatory requirements.
16. The Port will comply with all local, state and federal water quality mandates and will continue to measure impacts on the local environment and develop annual goals and benchmarks for continuous improvement, above-and-beyond regulatory requirements.

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<sup>7</sup> ISO 14001 is a standard for environmental management systems applicable to any business, regardless of size, location, or income. The aim of the standard is to reduce the environmental footprint of a business and to decrease the pollution and waste a business produces.