

Airport Annual Environmental Progress Report



Aviation's Environmental Sustainability Program



- Update on our S3 goals and objectives
- Progress on our Century Agenda goals
- Highlight successes
- Identify challenges
- Look ahead

Moving ahead with S3 goals while finalizing SAMP

Environmental Sustainability Focus Areas

-  Energy Use and Conservation
-  Climate Protection and Air Quality
-  Waste Reduction and Recycling
-  Green Buildings and Environmental Purchasing
-  Water Conservation
-  Water Resources and Wildlife
-  Education and Outreach

Focus on issues with greatest environmental impact

Data Collection

 Buildings & Infrastructure

 Energy use

 Emissions

 Environmentally Preferable
Products

 Fuel Consumption

 Meal Donations

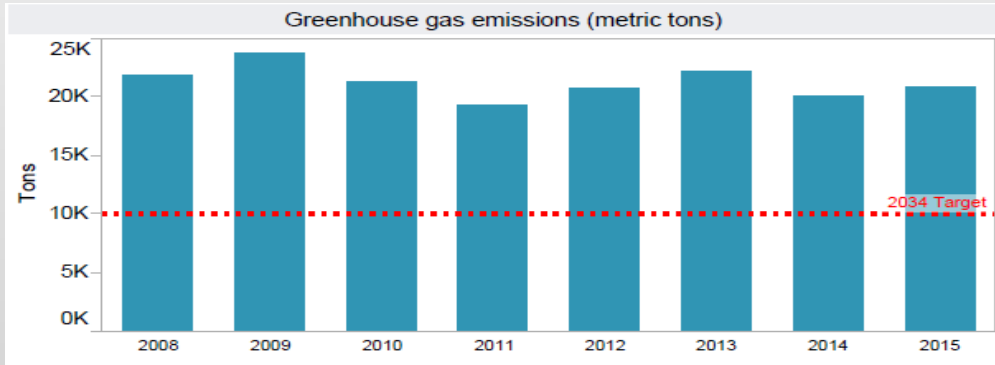
 Stormwater & Runoff

 Waste & Recycling

 Water Consumption

Credible data is the foundation of our environmental initiatives

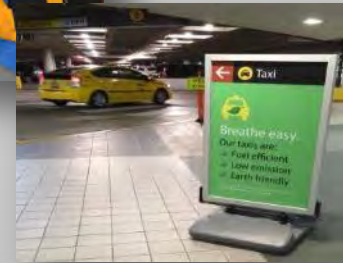
Highlights: Climate and Air Quality



Renewable fuels key strategy for both Port-owned and aircraft-related emissions

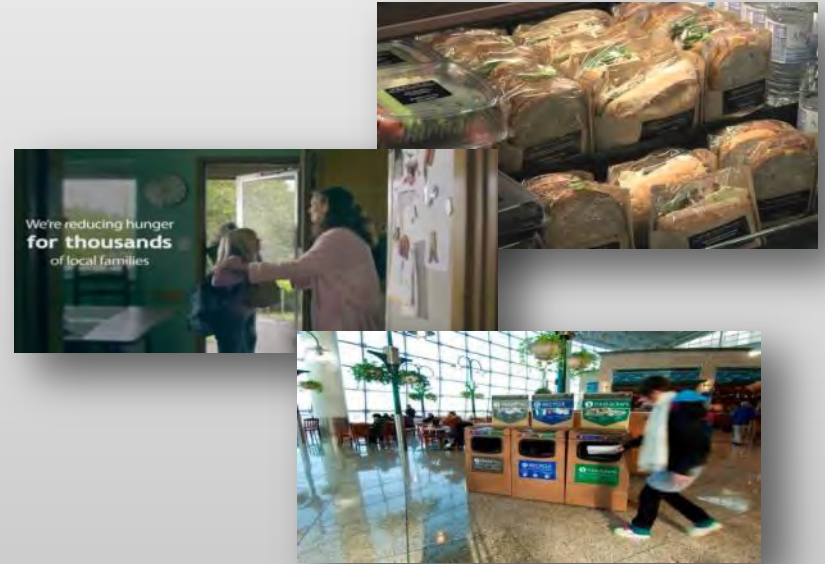
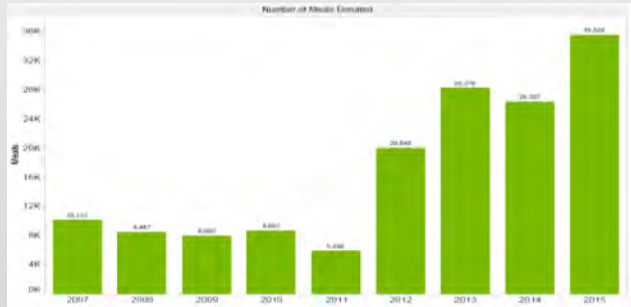
Highlights: Climate and Air Quality

- Converting ground support equipment to electric
- Working with ground transportation: taxis, TNCs, transit
- Bike Plans I & II
- Green fleet
- Electric Vehicle Plan



Converting to electricity also reduces traditional air pollutants

Highlight: Waste Reduction, Recycling and Food Donation Program



Compostable service-ware key upcoming strategy to reach our waste diversion goal

Buildings and Infrastructure

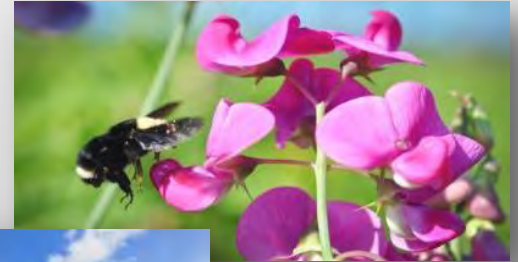
- Credits for LEED “Master Site”
- Pursuing LEED Silver for IAF and NSTAR
- Re-used concrete and installed LED lights on 16C/34C runway
- Recycled materials in SSAT and loading bridge projects



Achieved 85% recycling rate for construction waste

Highlight: Water Resources and Wildlife

- Custom bioretention project
- Improved stormwater runoff for 16C reconstruction
- Planted Tye golf course with shrubs, grass, and flowering plants
- Evaluated feasibility of water reuse



Innovative approaches to protecting water resources and wildlife

Education/Outreach

- Sustainable InSights
- Environmental Challenge at Raisbeck Aviation HS
- Video on food donation program
- Environmental Excellence Awards



Challenge to integrate with broader Terminal messaging and “Challenge Seattle” campaign

Looking Ahead

- Complete S3/SAMP
- Renewable natural gas
- 2016 Energy/climate plan
- More Sustainable InSights
- Bike Plan Phase II
- Help airlines purchase eGSE
- Green fleets and EV Plan
- NSAT Living Wall



Maintain focus on initiatives that provide greatest environmental benefit