

Port Authority Environmental Sustainability Policy Update

Committee on Operations
December 10, 2015

Existing Port Authority Environmental Policy

- 1993 Environmental Policy Statement: provide transportation, terminal and other facilities of commerce in an environmentally sound manner
- 2006 Sustainable Design Guidelines: reduce environmental impacts related to new or renovated buildings
- 2008 Sustainability Policy: reduce Port Authority Greenhouse Gas emissions 80% by 2050 and address risks of climate impacts to facilities.
- 2011 Sustainable Infrastructure Guidelines: optimize design for projects outside the building envelope
- 2015 Design Guidelines for Climate Resilience: address anticipated climate impacts, particularly sea level rise, when designing infrastructure and buildings



Environmental Sustainability Policy - Update

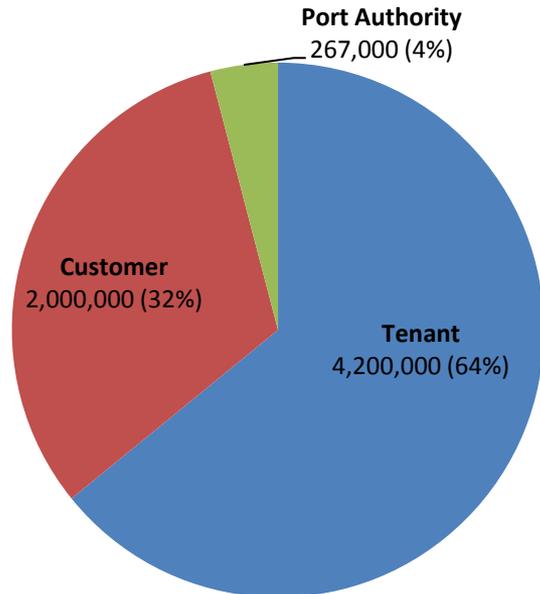
- **Environmental Sustainability Policy has not been updated since 2008**
- **Reaffirm 2008 Policy commitments:**
 - Reduce PA GHG 80% from 2006 levels by 2050
 - Develop strategies that reduce climate risk
- **Update with key principles related to:**
 - Enhanced collaboration with PA stakeholders
 - Improved coordination of sustainability and resiliency
 - Heightened focus on water
 - Supporting growth of the “clean” economy
 - Including sustainability and resiliency in capital planning
- **Updated policy enhances PA’s ability to articulate, measure, and meet goals of being a sustainable and resilient agency**



1) Collaboration with Stakeholders

“Meaningful programs to reduce adverse environmental impacts must be developed in close partnership with Port Authority tenants, operators and other stakeholders.”

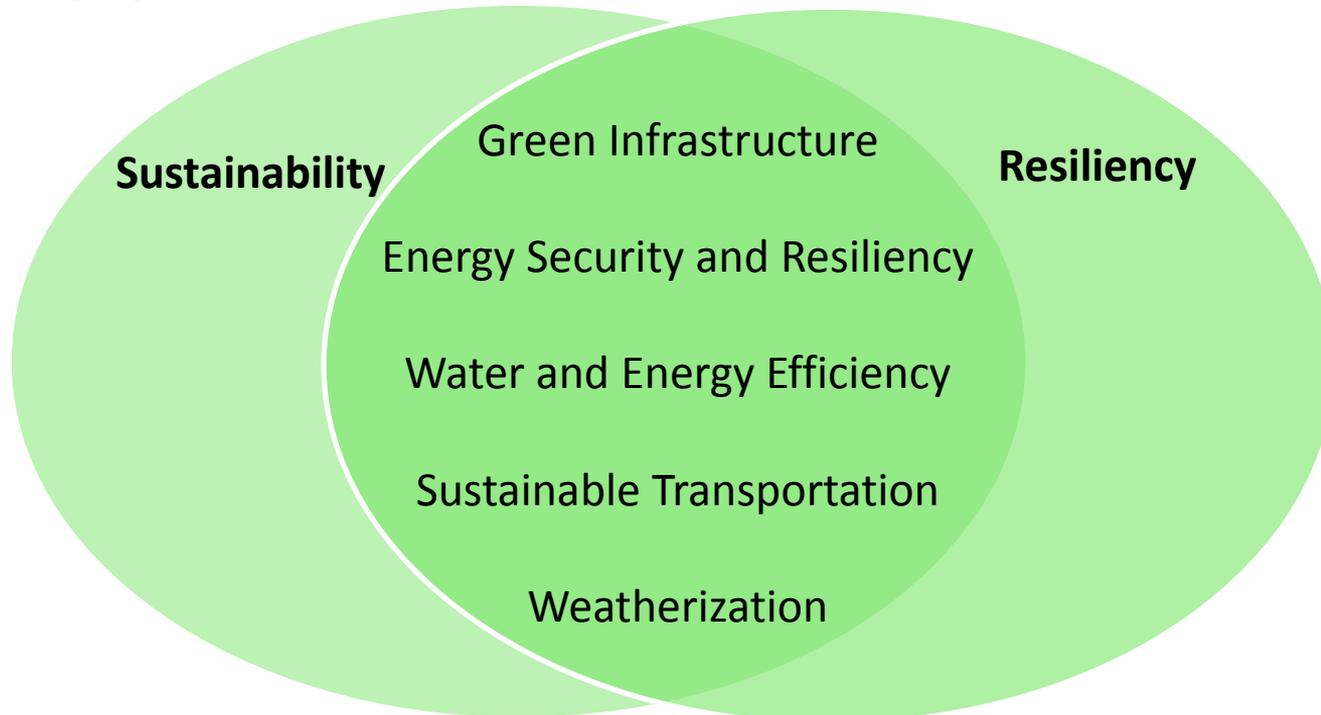
Annual GHG Emissions (metric tons)



- Current examples of collaboration:
 - Port Clean Air Strategy, including Clean Vessel Incentive Program
 - Sustainable Design/ Infrastructure/ Resilience Guidelines
 - Green Cleaning Program
- Further opportunities with tenants, customers, supply chain

2) Coordination of Sustainability and Resiliency

“Sustainability and resilience are complementary strategies, that when coordinated, link the ongoing management of resources with the ability to recover from hazardous events or adapt to changing conditions.”



3) Improved Water Management

“Responsible natural resource use must include a heightened focus on water management, as water scarcity, cost and quality are growing concerns.”

- Population Growth/Shift → Consumption measurement
- Climate Change → Conservation
- Loss of Open Space → Reuse
- Water Insecurity → Infrastructure enhancement



4) Innovation in “Clean” Technologies

“Support innovation in ‘clean’ technologies, products and conservation practices.”

- Benefits of clean tech investments exceed costs by 5:1
- “The economy of tomorrow is the clean tech economy... whatever region gets there first wins the prize.”



5) Sustainability and Resiliency in Capital Planning

“Improve inclusion of sustainability and resiliency in capital planning, financing strategies, and host community relations and involvement.”

- Sustainable and resilient project features evaluated early in capital planning
- Opportunities to package into sustainable/socially responsible investments, such as Green Bonds
- Advance environmental justice in project planning and implementation

