Environmental Issues for Port Operations

Port of Seattle

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Port of Seattle Operations – Overview

- Container
- Cruise
- Bulk
- Commercial Fishing
- Marinas
- Parks and Public Access
Port of Seattle Operations

• Landlord-Tenant relationship
  - Terminals leased to tenants
  - Port develops terminals
  - Tenants responsible for terminal operations

• 2005 Seaport Records
  - Containers
  - Grain
  - Cruise passengers
Environmental Challenges at Port of Seattle

- Air quality and traffic
- Runoff
- Fish and ships
- Brownfields
- Contaminated soils & sediments
Environmental Challenges at Port of Seattle

- Habitat protection & enhancement
- Environmentally sound design & construction
- Environmental compliance
- Public shoreline access
Port Environmental Programs – Overview, Status, Goals

- Roles & responsibilities
  - Port, tenants and customers
- Visibility & public outreach
- Implementation & Execution
  - Timelines – regulatory, voluntary
  - Staffing – 14
  - Organization
  - Program costs
Striking the Balance – Environmental Protection and Port Competitiveness

• Impacts of growth – air, traffic & land use
• Seeking local parity
• Advocating national & international regulation
  – Ship emissions
  – Ballast Water
Lessons Learned – Considerations for Port Development in Developing Countries

- Plan for the future
- Dredging
- Fish & ships
- Habitat protection
Lessons Learned – Considerations for Port Development in Developing Countries

- Waste disposal
- Runoff
- Environmentally sound design and construction
- Looking forward – air & traffic – impacts of the transportation network