The 2nd busiest in the nation, $120 billion in trade, supporting 1.4 million jobs nationally
Forward-looking policies

Creating a Port of the Future that is shaping a vibrant Long Beach and prosperous goods movement industry
The Port can only move ahead with its improvement projects with the support of the operators, community and political leaders.
Green Port Policy

- Protect the community from negative Port impacts
- Distinguish Port as environmental leader
- Promote sustainability
- Employ best available technology
- Engage and educate the community
Green Port Policy Elements

- Wildlife
- Air
- Water
- Soils/Sediments
- Community Engagement
- Sustainability
Sustainability at POLB

Minimize negative impacts on the community that result from port activities

Collect and re-invest user fees to provide maximum operational efficiencies

Comply with local, state and federal regulations

• Beyond compliance
• Healthy, thriving community
• Financially solvent

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Integration of Sustainable Practices

**STRATEGIC PLAN**
Performance Measures

- **reporting**
- **Green Port Annual Report**

**Green Port Policy**

- **WILDLIFE**
- **AIR**
- **WATER QUALITY**
- **SOIL/SEDIMENT**
- **COMMUNITY ENGAGEMENT**
- **SUSTAINABILITY**

**SUSTAINABILITY**

- Design
  - “Green” Building Criteria (LEED)
- Construction Management
  - Recycle Construction Materials
- Maintenance
  - Tire Recycling
  - Facilities Retrofit for Energy Conservation
- Administration
  - “Green” Office Supplies Procurement
  - Ride Share Program

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### Social Responsibility
- Human health risk reductions
- Includes stakeholders in decision making
- Creates jobs
- Process is transparent
- Protects integrity of workers

### Economic Responsibility
- Equitable distribution of financial burden
- Helps ports maintain "license to operate"

### Environmental Responsibility
- Air quality improvements
- Energy/fuel efficiency improvements
- Advances new technologies
- Creates model for regulators and politicians
- Ecological health side benefits
Next Steps for Sustainability

- New programs and projects
- Assign goals, targets, and metrics
- Collaborate with City
- Share what we’ve learned with our tenants
- Provide incentives for sustainable operations
Framing the Issue

SIGNIFICANT INDUSTRIAL ACTIVITIES LOCATED CLOSE TO COMMUNITIES
Sources and Challenges
Sources and Challenges
Sources and Challenges

HARBOR CRAFT

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Sources and Challenges

LOCOMOTIVES
Sources and Challenges

TERMINAL EQUIPMENT

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Long Beach Green Port

The Port of Long Beach (Port) recognizes the importance of the environment. In 2000, the Port established a new initiative known as the "Green Port," which was intended to improve the Port's environmental performance.

- Air
- Water
- Wildlife
- Sediment

In November 2004, the Port of Long Beach established a comprehensive environmental strategy. The overall objective was to develop a comprehensive environmental strategy that would be environmentally driven (e.g., be used as a guide to facilitate compliance with environmental regulations).

In response to the BHCs' requirements, the Port developed a strategy to optimize existing environmental programs and develop new programs with specific environmental objectives. The Port established the Healthy Harbor Program and the San Pedro Bay Ports Clean Air Action Plan as part of this strategy.

In late December 2004, the Port of Long Beach issued the Final Environmental Impact Report (EIR) for the Healthy Harbor Program. The EIR includes a statement of policy and a description of the Port's commitment to environmental sustainability.

The Port of Long Beach is committed to environmental sustainability and continues to develop and implement programs to reduce its environmental impact.
Air Quality Strategies

Ships

Vessel Speed Reduction
Clean Fuels
Shorepower
Clean Ships
Air Quality Strategies

Ships

Trucks

Clean Trucks Program
Clean Fuels
Air Quality Strategies

Ships
Trucks
Harbor Craft

Engine Replacement
Clean Technologies
Air Quality Strategies

- Ships
- Trucks
- Harbor Craft
- Locomotives

Engine Replacement
New Technologies
Air Quality Strategies

- Ships
- Trucks
- Harbor Craft
- Locomotives
- Terminal Equipment

- Equipment Replacement
- Clean Fuels
- New Technologies

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Air Quality Strategies

Ships
Trucks
Harbor Craft
Locomotives
Terminal Equipment
Technology Advancement

In-Use Demonstrations
Zero Emission Technology
Reduced Air Pollution

Greenhouse Gas Emissions Down 18%

Nitrogen Oxides Down 46%  59%
Sulfur Oxides Down 73%  93%
Diesel Particulates Down 72%  77%

Reduce Cancer Risk by 85%
Developed with, LARWQCB, USEPA, and stakeholders

Documents the current conditions of the harbors

Builds upon current Port water and sediment quality programs and initiatives

Framework for Port permits and TMDL implementation

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WRAP Goals

Attainment of full beneficial uses of harbor waters and sediments

Prevent Port operations from degrading existing water and sediment quality
Major Development Projects
Middle Harbor Redevelopment

Consolidate two irregular older facilities into one efficient, larger terminal
Desmond Bridge Replacement

$950 million bridge would improve traffic flow and increase safety
Pier S Terminal Project

$700 million “green” shipping terminal would support 35,000 new jobs
Additional Mitigation

SCHOOLS

SENIORS AND
HEALTH CARE

GREENHOUSE
GAS

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