



Port of New Bedford: Green Port Initiatives

**Harbor Development
Commission
New Bedford, MA**



Port of New Bedford

Harbor Development Commission: The Governing Body of the Port

- The New Bedford Harbor Development Commission (HDC) was created by the Massachusetts General Court in 1957.
- The HDC represents a wide array of harbor interests, manages municipal waterfront assets (piers, properties and facilities);
- One of its primary roles is to support economic development along the waterfront.
- The HDC has planning, developing, and financing authority for city properties within the Port.

Port of New Bedford

Maritime Industries

Commercial Fishing

- Number 1 Value Fish Port; \$1 Billion Industry; 500 vessels
- 65.5 Million pounds of fish valued over \$280 million; 500 Vessels
- 35 Seafood Processing Plants and 25 Whole Sale Companies

Cruise

- Brings ~1,500 People through the Port; 21 Ports of Call in 2008
- 5 Year contract with American Cruise Lines > 20 ports of call

Ferry

- New England Fast Ferry and Cuttyhunk Ferry bring 120,000 people through the port annually
- Both operations are now moving freight

Freight

- Maritime Terminal: 6 freighters of Moroccan citrus in 2008
- State Pier: Break bulk to Portugal, Africa, Haiti, & Cape Verde
- Sprague Terminal: Home Heating Fuel

Recreation / Excursion

- 8 Marina's in the New Bedford / Fairhaven Harbor; Moorings
- 2007: 1 Sailing Tour; 2008: 3 Sailing Tours; Booking now for 2009
- 3 Charter Fishing Operations

Barge Operations

- 4 Operate out of the Port carrying aggregate to the Islands as well as steel and other project cargo

Shipyards

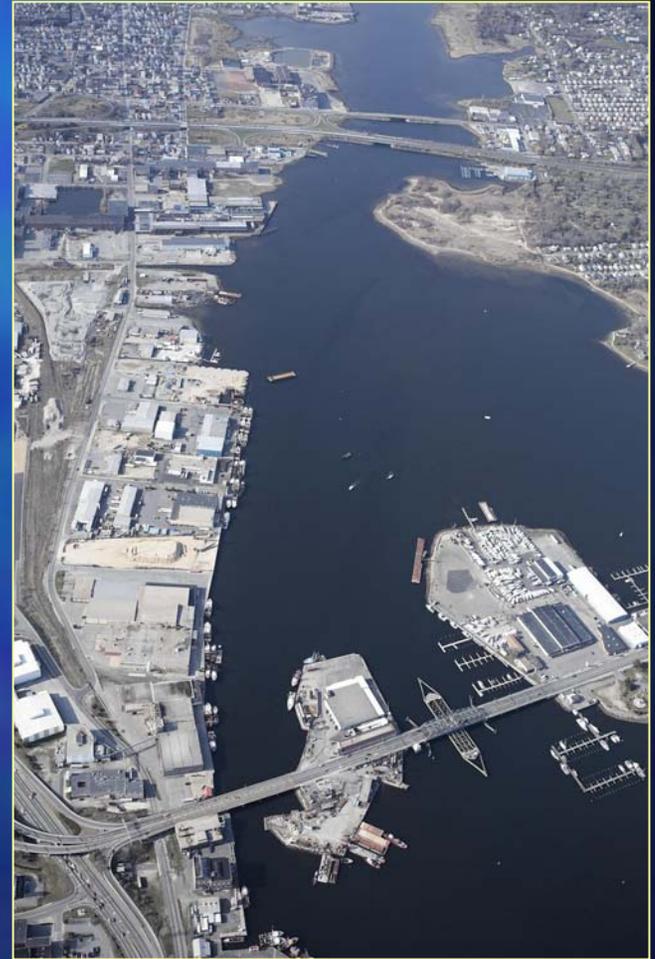
- Fairhaven Shipyard and Steamship Authority (Fairhaven)
- Major employers and support Commercial Fishing Industry

Supporting Services

- Over 75 supporting businesses
- Ice; Fuel; Vessel Painting; Welding; Electric; Legal; Insurance; Settlement Houses; Salvage



Port of New Bedford



Port Environmental Challenges



- Contamination - metals, PCBs, organic compounds
- EPA Superfund site
- Brownfields
- Portfields
- Redevelopment

Port Environmental Strategies



- Northeast Diesel Collaborative (NEDC) Ports Workgroup
- Focus on harbor clean-up
- Opportunities and strategies to increase efficiency & environmental sustainability
- Seeking "Green Port" designation

Greening the Port

Accomplishments to Date



- Recycled tire pier fendering system along bulkhead

Greening the Port

Accomplishments to Date



- “Fishing for Energy” recycling program
 - Covanta / National Fish & Wildlife Foundation: recycling derelict fishing nets to be burned for energy

Greening the Port

Accomplishments to Date



- Efficient, modern trash shed with built-in traps to collect accidental oil leakage/spills

Greening the Port

Accomplishments to Date

- Best Management Practices
 - Working with industry on how to limit pollution while painting, welding, and working on vessels



Greening the Port

Looking Ahead



- Statewide five minute anti-idling regulation
- Waste oil collection & bilge transfer
- Energy audit
- Recycling/disposal management
- Stormwater Management

Greening the Port

Statewide Five Minute Anti-Idling Regulation

■ **Short Term : March 2009**

- Implement program to reduce unnecessary engine (truck, vessel, etc.) idling, including:
 - Adoption of harbor-wide anti-idling policy that includes self-policing
 - Posting anti-idling signs throughout public (and willing private) areas, citing the 5-minute state limit
 - Develop and distribute outreach materials regarding fuel savings and state regulation to tenants and terminal operators

■ **Expected Outcomes**

- Improved air quality, including reduction in PM
- Reduction in noise associated with idling vehicles
- Improved community relations

Greening the Port

Waste Oil Collection & Bilge Transfer

- **Short Term : April 2009**
 - **Initiate waste oil collection & bilge transfer for the port**
- **Expected Outcome**
 - Reduce landfill waste & pollution
 - Prevents hazardous harbor dumping
 - Save natural resources
 - Gives industry disposal mechanism
 - Improve character and image of port

Greening the Port

Energy Audit

- **Short Term : April 2009**
 - Work with local utilities to perform energy audits of HDC owned and operated buildings and property, including the ferry terminal

- **Expected Outcome**
 - Energy efficiency improvements for utilities
 - Cost savings
 - Reduction of GHG emissions
 - Improved visitor and employee comfort
 - Shore-side power

Greening the Port

Recycling/Disposal Management

- **Short Term : May 2009**

- Develop and implement a comprehensive solid waste management system for public areas:
 - Seek grant funding to get 6 Big Belly solar trash compacting machines/cans
 - Recycling receptacles and collection system for different types of waste

- **Expected Outcome**

- Reduce landfill waste
- Save natural resources (by recycling)
- Save energy and water
- Improve character and image of port

Greening the Port

Stormwater Management

■ **Short Term : August 2009**

- Funding provided by the Buzzards Bay National Estuary Program for the design, engineering, and implementation of a “green” storm management system for commercial piers & wharves.
- Seeking grant funds through the Coastal Pollutant Remediation Program for the Gifford Street recreational boating facility

■ **Expected Outcomes**

- Improved water quality
- Protect aquatic environment
- Prevent stormwater contamination
- Capture / treat polluted run-off from HDC-operated properties

Greening the Port



- Long-Term Goals
 - Renewable energy generating technology
 - Install shore-side power
 - Short Sea Shipping
 - Alternative Fuels

Greening the Port

Renewable Energy Generating Technology

- **Long Term** : November 2009 – May 2011
 - Identify funding opportunities and assess feasibility of installing renewable energy generating technology on HDC owned and operated property
 - Installation of solar collectors and/or wind turbines

- **Expected Outcomes**
 - Plan for implementing renewable energy technology
 - Efficiency & savings
 - Reduced GHG emissions
 - Reduced dependence on foreign oil

Greening the Port

Installation of Shore-Side Power

- **Long Term** : March 2010 – August 2011
 - Feasibility Study funded by U.S. Department of Transportation Maritime Administration: February 2009 – September 2009
 - Install shore power on fishing boat berths to reduce unnecessary idling of onboard engines and generators used for maintenance
 - Install shore power on State Pier to allow cruise ships to cold iron rather than idle while at berth

- **Expected Outcomes**
 - Improved local air quality
 - Improved health of workers, fishermen, visitors, and others at or near port

Greening the Port

Short Sea Shipping

- **Long Term : December 2012**
 - Establish short sea shipping (coastal) operation connecting New Bedford to other East Coast ports, including new terminal designed to minimize truck queuing and turn times, and vessel docking

- **Expected Outcomes**
 - Increased efficiency of port operations
 - Reduced carbon footprint
 - Less dependency on foreign oil
 - Energy efficiency
 - Improved air quality
 - Decreased traffic congestion

Greening the Port

Alternative Fuels

- **Long Term : December 2012 - 2013**
 - Replace diesel technology with alternative fuel vehicle technology
 - Replace HDC fleet:
 - hybrid pick-up trucks
 - Alternative fuel buses
 - Bio-diesel for fishing industry

- **Expected Outcomes**
 - Improved public health
 - Less dependency on foreign oil
 - Energy efficiency
 - Improved air quality

Port of New Bedford



- Seeking first Green Port designation – Northeast
- Improve air and water quality
- Energy efficiency
- Reduce waste
- Promote economic vitality

Environmental Sustainability

Port of New Bedford

Partners & Contacts

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