



SDMS DocID 509359



# 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

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- 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

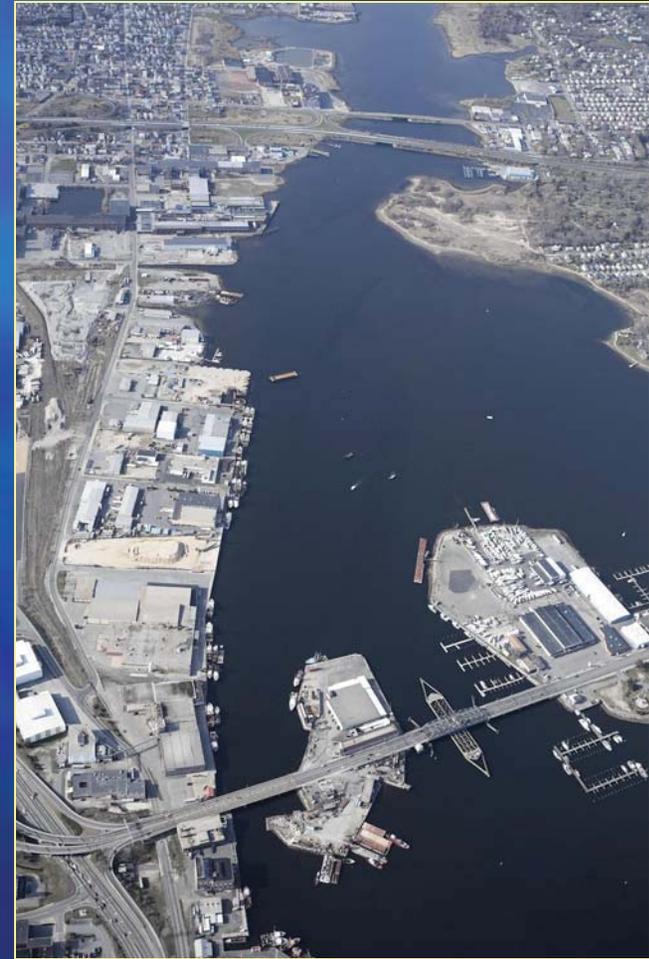
- Fairhaven Shipyard and Steamship Authority (Fairhaven)
- Major employers and support Commercial Fishing Industry

### 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

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- **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

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- **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

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- **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

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- **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

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- **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

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- **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

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- **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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