

# Port of Miami

AAPA Cruise Seminar

Improvements to Cruise Facilities Design

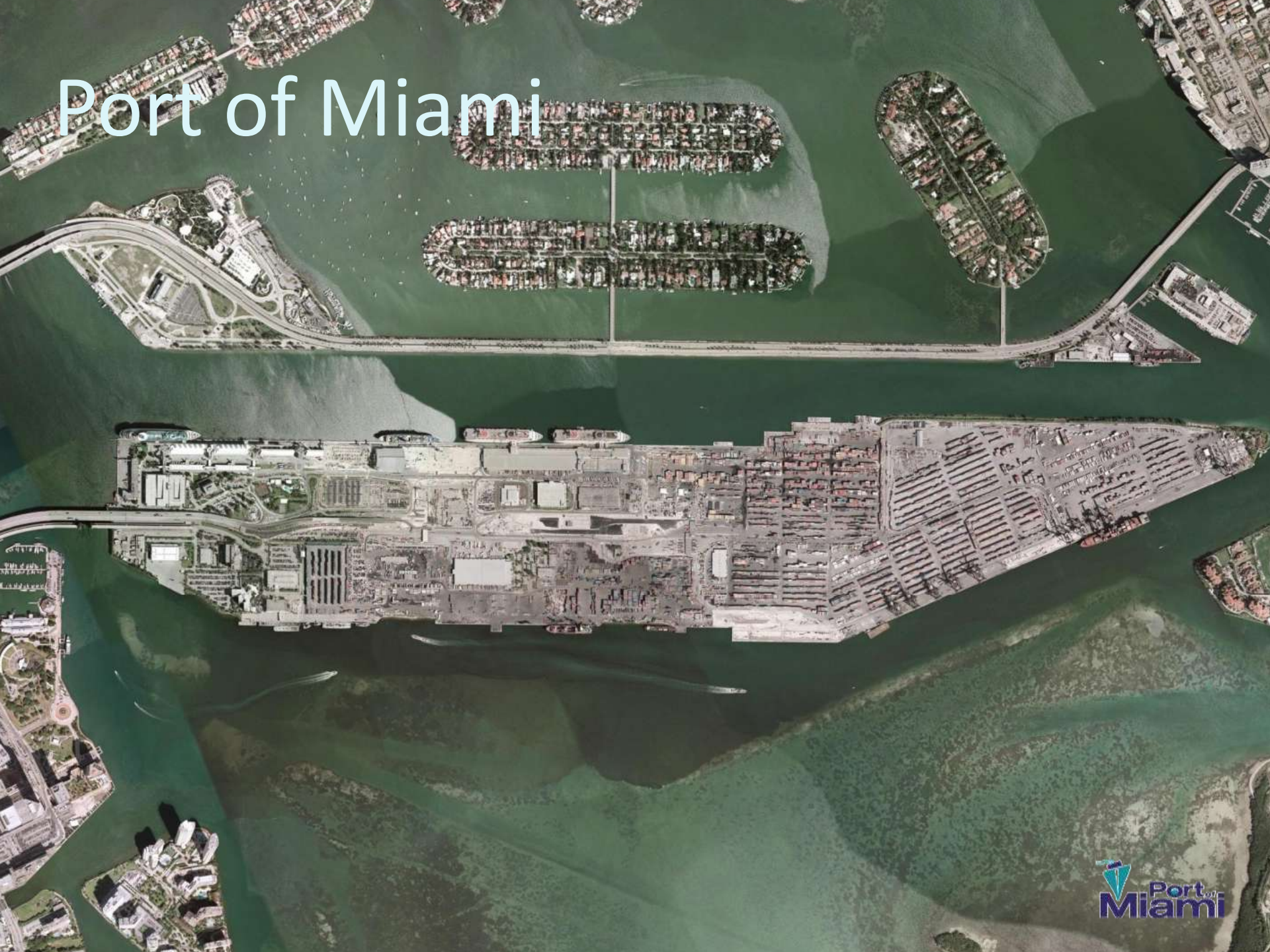
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Environmental Manager



# Port of Miami



# Port of Miami Snapshot

- Economic Impact: Over \$17 Billion
- Supports 176,000 jobs directly/indirectly
- Cargo: “Cargo Gateway of the Americas”
  - Destined for more than 100 countries and 250 ports
  - Approximately 807,000 TEUs
  - Top trading partners: China, Hong Kong, Honduras, Dominican Republic, and Germany
  - Top Imports: tiles, textiles, fruits and vegetables
- Cruise: “Cruise Capital of the World”
  - App. 4.1 million passengers
  - Homeport for 26 cruise ships



# Cruise Facilities

## Implementation of “Green” Strategies

Since 2007, the Port of Miami follows Miami-Dade County Implementing Order for ‘Greening’ our Community

Incorporate sustainable measures into our planning, design, and construction efforts, including renovations

We identify LEED initiatives in the planning phase and carry them through each element of the project





# Cruise Facilities

## Implementation of “Green” Strategies

Primary Focus – flow of passengers with security, customs and cruise operations

- Passengers – processing speed, air quality and lighting
- Owners – energy usage and O&M ease/costs
- Cruise Industry – processing speed and ease for passengers
- CBP – security flow, office comfort

Coordination is Key for any  
Implementation Measure



# Cruise Facilities Implementation of “Green” Strategies Indoor Environmental Air Quality

- Utilize Paint with Low VOCs & all non-smoking facilities
- Integrate daylight and views into our terminal designs including terminal offices (ie, CBP, security, police, etc)



# Cruise Facilities

## Implementation of “Green” Strategies

### Passengers processing

- Created sterile corridor system separating embarking and debarking passengers - utilizing glass walls to preserve open and natural light
- Designate new processing and office areas for CBP
- Window Treatment Screens



# Cruise Facilities

## Implementation of “Green” Strategies

### Energy Savings

- Our goal is, by 2014, to reduce energy usage by 20%
  - Energy Programming - A/C water chiller at CT F & G makes ice during off-peak hours. Receive credits thru FPL
  - New Temperature Control Bldg Mngmt Syst. at CTs
  - Lighting Design less than 3 watts per square foot





# Cruise Facilities

## Implementation of “Green” Strategies

### Water Efficiencies

- Low flow faucet and water closets
- Rain gutters to capture rain and redistribute the water for irrigation
- Xeriscape landscaping

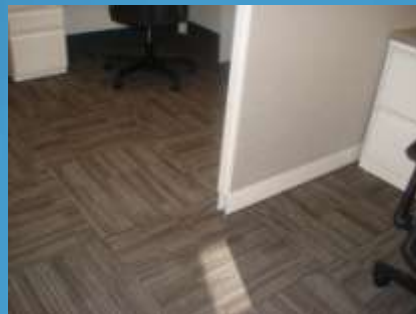


# Cruise Facilities

## Implementation of “Green” Strategies

### Interior Renovations

- Utilize ‘LEED’ performance standards during upgrades, such as
  - Replacing Furniture with products made with rapidly renewable and recycle materials (example)
  - Replace carpets with ‘squares’ for ease of replacement and with material containing minimum of 25% recycled content



# Cruise Facilities

## Implementation of “Green” Strategies Exterior Renovations



- White Canopies – increase reflectiveness when compared to black asphalts and utilizes 100% recyclable material
- Re-roofing projects (CT B&C, H, F&G) – solar reflectance minimum of 70% and roof insulation of R19 – working with FPL to receive credits





# Cruise Facilities

## Implementation of “Green” Strategies

The Port of Miami is committed to ensure that the value of commerce in our community is supported by a proactive environmental program, including our cruise facilities.



# Thank You



For more information call the Port of Miami

305.347.4800

or

visit our website

[www.miamidade.gov/portofmiami](http://www.miamidade.gov/portofmiami)

