CLEAN VESSEL INCENTIVE (CVI) PROGRAM
PORT OF NEW YORK & NEW JERSEY
Multi-Facility Emissions Inventory Finding (2006)
Ocean-going vessels are the highest source of overall air pollutant emissions.

Preliminary Action Taken (2008)
The Port Authority commits to reducing Port-related emissions.
PURPOSE

➢ Attract Cleaner Vessels to the Port

➢ Encourage Operational Change To Conserve Fuel

➢ Improve Quality of Life

➢ Support Marine Mammal Protection
FINANCIAL INCENTIVE OPPORTUNITIES

ESI + VSR = CVI Score
VSR (20 points One-Way, 40 Points Round-Trip)

CVI Score 40-54 receives $1,000
CVI Score 55-64 receives $2,000
CVI Score ≥ 65 receives $3,000

Tier III Engine Receives Additional $5,000
## CVI Score Examples (Per Call)

| $1,000  | • ESI Score 25.4  
|         |   • Comply with VSR one way, 20 points  
|         |   • ESI (25.4) + VSR (20) = CVI Score (45.4)  |
| $2,000  | • ESI Score 22.7  
|         |   • Comply with VSR both ways, 40 points  
|         |   • ESI (22.7) + VSR (40) = CVI Score (62.7)  |
| $3,000  | • ESI Score 60  
|         |   • Comply with VSR one way, 20 points  
|         |   • ESI (60) + VSR (20) = CVI Score (80)  |

* Tier III Receives Additional $5,000
COMPANY ENROLLMENT REQUIREMENTS

1. Register In ESI Program
2. Enroll With PANYNJ
3. Complete
   1. Company Enrollment Form
   2. Vessel Enrollment Form
   3. Tax ID Forms
   4. Terms & Conditions

Cruise Ships Can Sign Up Under An Alternative Compliance Plan

Forms Found On Port Authority Website: [www.panynj.gov/about/clean-vessel-incentive-program.html](http://www.panynj.gov/about/clean-vessel-incentive-program.html)
## Reimbursement Process

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<td>Collection And Verification Of Quarterly Information</td>
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<td>Generation Of Vessel Activity / Draft Invoice</td>
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<td>Draft Invoice To Be Sent to Vessel Operators</td>
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EMISSION REDUCTIONS

Ocean-Going Vessel Emissions Relative To TEU Throughput
CURRENT PARTICIPATION

➢ 62% Container Ship Participation
  ➢ Whole Port vs. CVI-Participating

➢ North Atlantic Right Whale Protection Supported
  ➢ 1st And 4th Quarters Have Highest Rates of Vessel Speed Reduction

➢ 22 Participating Companies To-Date
NEXT STEPS

Local / Regional
- Increase Program Participation
- Encourage Vessel Speed Reduction

North American Ports
- Encourage Working With Other Ports

International Maritime Organization
- Emission Control Technologies
  - Meet Tier III Standards for NOx (80% Reduction)
- Efficiency Improvements
  - Fuel Efficient Hull and Propeller Designs
  - Hull Coatings
  - Exhaust Heat Recovery
- Alternative Fuels
  - Liquefied Natural Gas To Replace Ultra-Low Sulfur Diesel Fuel
Thank you

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