ENVIRONMENTAL RECOGNITION PROGRAM FOR PORTS

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The International Council on Clean Transportation is an independent, nonprofit organization founded to provide first-rate, unbiased research and technical and scientific analysis.

Part of the mission of the Marine Program is work towards measures to increase energy efficiency and reduce air pollution from oceangoing ships.
Outline

- Background
  - A global perspective
  - Environmental and economic performance in ports in the U.S.
- Project Process
  - Project introduction
  - Stakeholder engagement
  - Recommendations
- Conclusion
BACKGROUND
Global Shipping Traffic

- Containership traffic in the US
  - Captured by Satellite-based Automatic Identification System
Existing Recognition Programs
Ongoing Port Initiatives and Recognition Programs

- Port Initiative in China
  - Beijing
  - Tianjin
  - Qingdao
  - Jiangsu
  - Chongqing
  - Shanghai
  - Guangdong
  - Hong Kong

- New port recognition program under APEC
Port growth in the US

- Ports in the US collectively handled more than 40 million TEUs per year

Data Source: Port Authority of Hamburg
Substantial reductions in air emissions at ports is possible

- Ports with detailed inventory
  - POLA
  - POLB
  - Port of Oakland
  - PANYNJ
  - Port of Tacoma
  - Port of Houston
  - Port of Virginia
  - ...

Data source: POLB “Port of Long Beach 2011 Air Emission Inventory Report”
PROJECT PROCESS
This project examines environmental performance metrics for ports with annual throughput larger or near 500,000 TEU.

The overarching goal of this program is to reduce emissions and improve air quality through instituting a recognition program that rewards participants who make progressive emission reduction efforts.
# The Project Team

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Stakeholder engagement

- In-person meetings
- Phone interviews
- Advisory committee meetings
- Structured surveys
In-Person Meetings

- Kick-off meeting in Jacksonville
  - AAPA Environment Committee meeting
- Stakeholder meeting in Austin
  - Organized by EDF
  - Attended by some members of the advisory committee and EPA
Stakeholder Interviews

- 30+ interviews with stakeholders
  - Ports, industry associations, consumer groups, consultants, existing recognition programs, community groups, and government agencies
  - Port interviews covers all target ports
  - Three port visits
Advisory Committee

- 29 members representing a variety of background
- Monthly check-in calls
Structured Survey

- Survey was open between January 10 and January 24, 2014
- 21 survey responses from 14 ports and industry representatives
Key Recommendations

- Tiered approach
- Menu of best practices
- Flexibility
Conclusion

- Port initiatives and recognition programs have been a global trend in improving local air quality.
- Stakeholder engagement plays a central role in this program.
- Program results and recommendations are based on input from different stakeholders.
- Input from the Advisory community ensure broad representation of stakeholder participation.
Thank You

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