



AAPA Marine Terminal Management Training Program

Sustainability and Green Port Initiatives – Changing the Way Ports Operate

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What's a "Green Port" Anyway?

- "Green" doesn't really have an industry definition
- Some ports have "green port policies"
- Others do "green" things ad hoc
- As ports try to be more environmentally responsible, they want efforts to avoid being labeled "greenwashing"



Port Policy Issue: Reducing Air Emissions on Land

- AAPA encourages member ports to use alternative fuels, cleaner conventional fuels, control technologies
- Reducing idling means reducing emissions
- Full funding of DERA would help ports reduce emissions – in non-attainment and attainment areas



Port Policy Issue: Reducing Air Emissions on Water

- US now party to MARPOL Annex VI
- IMO has approved more stringent standards for Annex VI
- Some ports are using shore power as a solution
- Scrubbing or filtering technology may have wide application



Port Policy Issue: Ballast Water Management



- AAPA supports enactment of federal ballast water treatment standards
- Consistency with international treaty and throughout U.S. is critical
- Vessels face December 2009 compliance date for EPA Vessel General Permits under Clean Water Act

Port Policy Issue: Short Sea Shipping

- Moving freight by water is more efficient and environmentally beneficial
- AAPA supports short sea, or coastwise, shipping
- Harbor Maintenance Tax on domestic movements remains an obstacle



Port Environmental Management Systems

- EMS is a systems approach to managing for environmental risks
- Benefits include institutionalizing portwide practices
- International Standards Organization (ISO) has standards for 3rd party certification



Port EMS Assistance Project

- Partnership between AAPA and Global Environment & Technology Foundation

EMS Assistance Project Elements:

- Individualized training
- Group workshops
- Site visits
- Conference calls
- Electronic access to documents



Four steps to an effective
EMS/SMS

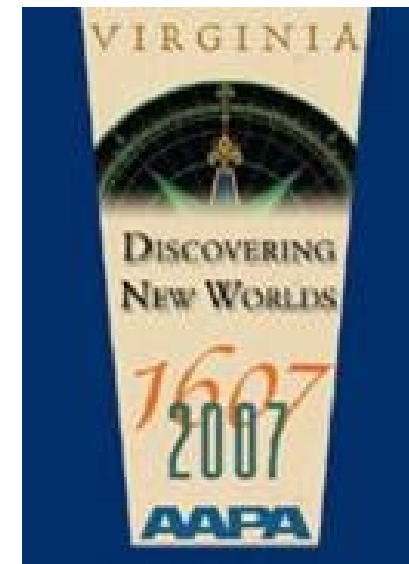
Environmental Improvement Awards

- AAPA recognizes outstanding achievements in environmental projects, policies and practices
- Awards are given annually in four categories:
 - Environmental enhancement
 - Mitigation
 - Comprehensive environmental management
 - Stakeholder awareness, education and involvement



Port Sustainability Task Force

- AAPA formed Port Sustainability Task Force in November 2006
- Developed a sustainability policy platform to approved at Annual Convention in Norfolk (2007)
- Policy platform provides guiding principles for ports to adapt to different circumstances
- Flexibility for individual ports is critical to mutually agreeable language



Sustainability Toolkit

- Task Force is working to create a toolkit for ports to use
- Tools for port sustainability must balance economic, social and environmental needs
- Task Force will prioritize work at November 13 meeting
- Initial steps may focus on guidelines and templates
- Later efforts may include tools for measuring progress



International Institute for Sustainable Seaports (I2S2)

- AAPA and GETF are partnering to create I2S2
- Institute will focus on creating tools, making information available online
- I2S2 will seek public and private funding from government agencies, private foundation, contributions
- Task Force will advise Institute as to how efforts will not overlap



Future of Port Sustainability

- Sustainability will look different for different ports
- Collaboration among port stakeholders will be key to success
- The port industry will have a story to tell
- Sustainability will be an ongoing process

