

*Joint West Coast Port
Technical Committee:
for Development of
Sustainable Design and
Construction Guidelines*

Noeleen A. Tillman, International Institute for Sustainable Seaports

PPCA Conference
February 22, 2012
Long Beach, CA

Presentation Overview

- Background
 - What is the Joint West Coast Port Technical Committee?
 - Who are the members?
 - Why was it formed/purpose?
- Approach/Methodology
- Milestones to Date
- Path forward and Launch Date for Guidelines

What is the West Coast Ports TC?

- ❑ An innovative, collaborative effort of seaports varying in size, mission and location along the West Coast of US
- ❑ Composition is senior environmental planning and engineering staff
- ❑ Active, engaged participation

Cont'd

- Facilitated by the International Institute for Sustainable Seaports (I2S2)
 - Neutral, not for profit partnership between American Association of Port Authorities and the Global Environment & Technology Foundation
- Structure based upon previous, successful collaborative AAPA/GETF approach
 - Builds off an economy of scale of a larger group where:
 - each member contributes a small amount of funding to offset costs of facilitation and development of product
 - meetings are hosted on a rotating basis

Mission

To work collaboratively to develop a set of Sustainable Design and Construction Guidelines:

To better serve the industrial objectives of West Coast ports, and the greater, world-wide port community

Members:

- Port of Long Beach
- Port of Los Angeles
- Port of Portland
- Port of San Diego
- Port of Seattle
- Port of Tacoma
- Port of Vancouver

**International Institute for Sustainable Seaports (as facilitator)

Why focus on: Sustainable Design & Construction Guidelines?

- Increased growth and expansion at ports
- Impacts on surrounding communities
- Need to maximize economic, social and environmental benefits

Cont'd

- Minimizing impacts to the environment and communities
- New development at ports must require sustainable development practices for “license to operate”
- Currently, no other comprehensive guidance available:

“Necessity is the Mother of Invention”

Committee Objectives:

- *Define sustainable marine industrial development at the project level;*
- *Allow for flexibility and adaptability by individual ports;*
- *Build upon the sharing of best practices, keys to success, and lessons learned for implementation;*
- *Identify options and opportunities to implement sustainable attributes;*

Objectives (con't)

- *Establish objective guidance and measurement of port sustainability;*
- *Provide a consistent approach to sustainable maritime industrial development across the enterprise;*
- *Establish a common language that is understood by internal and external port stakeholders; and*
- *Enhance the overall efficiency, productivity, and environmental performance of each port without disadvantage to the other ports*

Approach/Methodology

- Mandatory participation by all members
- Quarterly in-person day-long working sessions
- Monthly update conference calls
- Phased product development
- Clearly defined deliverables
- Identified target deliverable dates and milestones

Progress to Date: Focus Areas

- Air
- Public Outreach
- Water
- Natural resources
- Economic Considerations
- Transport
- Safety/Security
- Waste Energy
- Materials
- Maintenance, Monitory, Reporting

Progress to Date: Port Project ID

- Dredging/Disposal and Landfill
- Wharf Construction
- Roadways, Rails & Bridges
- Stormwater
- Landscaping (May or May not be part of Stormwater project)
- Utilities Systems
- Demolition of Existing Facilities
- Revetment
- Terminal Construction
- Remediation Projects
- Geotechnical Soil Improvements
- Traffic Management
- Technology Projects
- Marina
- Dike construction
- Land/Industrial Development
- Renewable Energy Installation
- Bulk Storage
- Oil and Gas Facilities
- Habitat

Path Forward

- Review/enhance best practices/sustainable criteria for each focus area
- Review/enhance project specific best practices/sustainable criteria
- Develop “operational controls” for Guideline implementation
- Pilot use of Guidelines for several member port projects
- Refine, update and publish

Release Date: January 2013



Thank You

Noeleen A. Tillman

International Institute for Sustainable Seaports

Noeleen.tillman@getf.org

760.212.4119