International Marine Ports, Vessels, and Goods Movement Sustainability Forum

at the

December 10-12
2012 U.S. – Taiwan Sustainability Symposium Creating Sustainable Cities and Promoting Sustainable Ports in the Asia Pacific Region in Kaohsiung, Taiwan

Session 1: Sustainability for marine ports, vessels and goods movement

Objective: Define the necessary elements for comprehensive strategies to achieve port, marine vessel and goods movement sustainability, including: common themes amongst global ports that lead to environmental and human health protection, sustainable economic growth and port community and ecosystem benefits.

-----------------------------------------------

Setting the context for defining sustainability
Dennis McLerran, US EPA Regional Administrator, EPA Pacific Northwest Region

Strategies for Sustainable Ports
Lisa Wunder, Assistant Air Quality Supervisor, Port of Los Angeles

Planning and Implementation of Air Pollution Control Strategies for Major Ports in Taiwan
Dr. S.C. Chuang, Senior Specialist, Department of Air Quality Protection and Noise Control, Taiwan Environmental Protection Administration

The New Era for Kaohsiung Port
David Chien-Yu Cheng, Harbor Master, Port of Kaohsiung, Taiwan International Ports Co., M.O.T.C.

Evergreen Line’s Green Ship Operations
Patrick Lin, Executive Vice President, Marine Division, Evergreen Marine Corp, (Taiwan) Ltd.
Session 2: Port City Human Health and Environment

Objective: Representatives share research on port and marine vessel related health and environmental impacts and applied examples of successful port strategies resulting in air quality and other environmental improvements.

-----------------------------------------------

*From Science to Policy: Ship Emissions Control Strategy in Hong Kong and the Pearl River Delta*
Opening Speaker and Moderator: Simon Ng, Head of Transport and Sustainability Research, Civic Exchange

*Green Freight and Healthy Supply Chains*
Dr. James Corbett, University of Delaware, School of Marine Science & Policy

*Overview of Impacts of Emissions from Ports, Marine Vessels and Goods Movement in the U.S.*
Dennis McLerran, US EPA Regional Administrator, EPA Pacific Northwest Region

*Quarantine of International Port in Taiwan*
Chang Chao-Ching, Branch Director, Taiwan Department of Health Center for Disease Control, Kaohsiung

*Health Impact Assessment of Marine Emissions in the Pearl River Delta Region*
Dr. Hak Kan Lai, Hong Kong University, Department of Community Medicine, School of Public Health

Session 3: Successful Examples of Sustainability Strategies and Practices

Objective: Present results of successfully implemented port, shipping and goods movement sustainability strategies and practices, including: reductions in air pollution and greenhouse gas emissions, cleaner energy and energy efficiency, operational efficiencies, cost savings, advancements in technology and improvements in community engagement, public health and quality of life.

-----------------------------------------------

Moderator: Penelope McDaniel, Environmental Scientist and Lead U.S. West Coast Collaborative, U.S. EPA

*Port of Los Angeles Air Quality and Technology*
Kevin Maggay, Air Quality Supervisor, Port of Los Angeles

*Port of Tacoma Sustainable Habitat Stewardship Program*
Jason Jordan, Environmental Director, Port of Tacoma

*Taiwan Greening the Ports*
Ting-Yi Tsai, Vice President of Business, Taiwan International Ports Co., Ltd.

Successful Examples of Sustainability Strategies and Practices
Session 4: Capacity to Develop, Plan and Implement Sustainable Port Practices

Objective: Provide an overview and examples of institutional capacity needed for port environmental and economic sustainability, and social responsibility, factoring in voluntary and regulatory measures and broad collaborative efforts.

Building Institutional Capacity for Port and Environmental Sustainability
Richard Sinkoff, Director, Environmental Programs & Planning, Port of Oakland

Presentation followed by a panel discussion

Session 5: Highlight Global Practices and Opportunities to Advance Sustainable Ports, Shipping and Goods Movement

Objective: Present port, shipping and goods movement practices that have global reach, with multi-port, port city, and industry benefits, including: environmental, economic, community and ecosystem sustainability.

Overview on Actions to Reduce Shipping Emissions
Moderator & Opening Remarks: Dr. Nic Lutsey, Program Director of Goods Movement, International Council for Clean Transportation

Sustainable Good Movement: Global Practices and Opportunities
Stephanie Jones-Stebbins, Director, Seaport Environmental and Planning, Port of Seattle

Best Practices to Reducing Air Emissions from Shipping and Ports
Freda Fung, International Council for Clean Transportation

Optimization of the Ship Routes with the Aid of Numerical Ocean Current Prediction Models
Dr. Jason C.S. Yu, Assistant Professor, Department of Marine Environment and Engineering Center for Water Resources Research, National Sun Yat-Sen University
Session 6: Working Together to Advance Regional and Global Sustainability of Goods Movement

Objective: Explore how to further cross-Pacific collaboration can achieve consistent/complementary sustainability approaches.

Presenters and Moderators: Penelope McDaniel, Environmental Scientist and Lead U.S. West Coast Collaborative, U.S. EPA & Lisa Wunder, Assistant Air Quality Supervisor, Port of Los Angeles

An open panel discussion on accomplishments and challenges to advancing port, vessel and goods movement sustainability and next steps.