



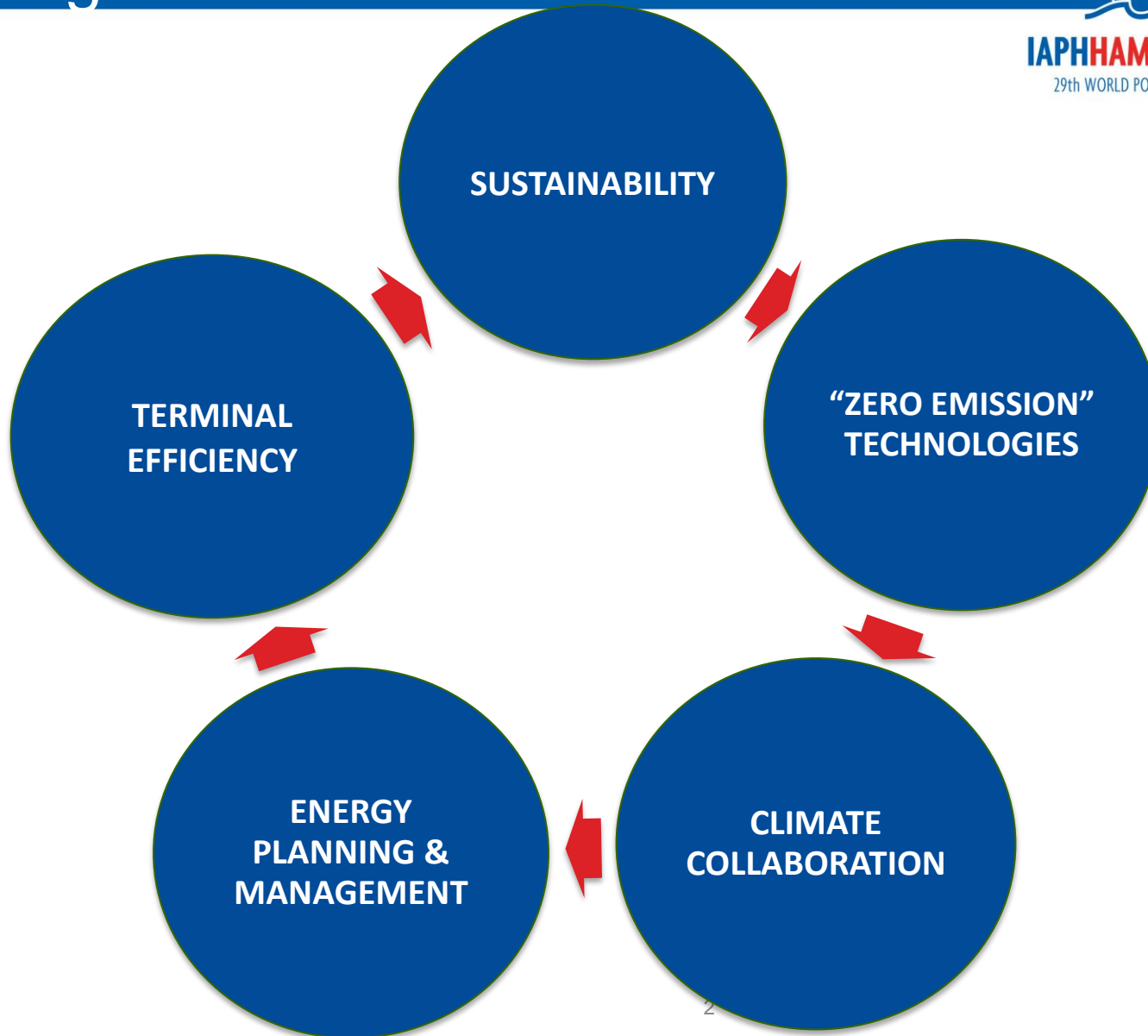
IAPH World Ports Conference 2015

Clean Air 2.0

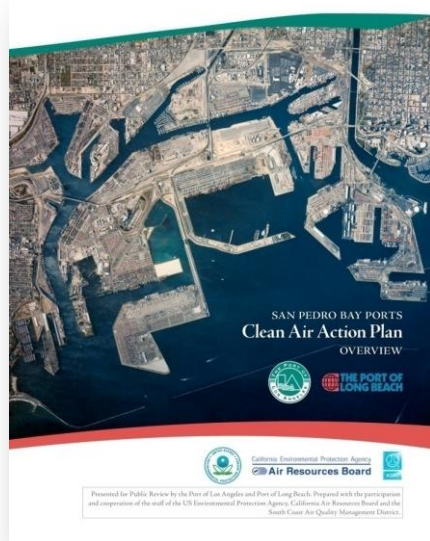
Gene Seroka, Executive Director



The Big Picture



Clean Air Action Plan (CAAP)



- A bay-wide plan co-created with Port of Long Beach
- 2005-2013 Reductions
 - 80% reduction in Diesel Particulate Matter (DPM)
 - 57% reduction in Nitrogen Oxide (NOx) emissions
 - 90% reduction in Sulfur Oxide (SOx) emissions
- 2010 CAAP update added a Health Risk Reduction Standard with goal of reducing population-weighted cancer risk of port-related DPM by 85% by 2020 (compared to 2005 baseline)
- 2016 CAAP update will continue to address mobile sources & criteria pollutants, along with:
 - Advancing Zero- and Near-Zero Emission technologies
 - Efficiency and Energy Management
 - Greenhouse Gas Reductions

Non-Combustion-Based Technologies



IAPHAMBURG2015
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International Climate Collaboration



Working Together To Reach Our Goals

- World Ports Climate Initiative (WPCI) –Carbon Footprinting Guide for Ports, Carbon Calculator, GHG Toolbox, Environmental Ship Index
- Pacific Ports Clean Air Collaborative (PPCAC) Conference and Continuing Working Groups
- World Association for Waterborne Transport Infrastructure (PIANC) – Port Sustainability Reference Guide
- West Coast Ports Collaborative – Sustainable Construction Guidelines
- Port of Los Angeles/Shanghai Staff Exchange
- The Climate Registry (TCR) – Port Subgroup
- RAND Corporation – Climate Adaptation



CLIMATE
LEADERSHIP
AWARDS

2012 Supply Chain Leadership
Award Winner

- I. Energy Management Action Plan (EMAP) – higher electricity demand
 - Electricity demand study
 - Infrastructure needs
 - Resiliency
- II. Terminal Efficiency
 - Faster unloading
 - Faster moves off the terminals through “peel-off” container pick-ups and remote sorting yards
 - Uber-like drayage testing

Danke

