

The Gateway Cities
Air Quality Action Plan

July 2011

Compendium of Existing and Proposed Near-Term Air Quality



GATEWAY CITIES
COUNCIL OF GOVERNMENTS

Made possible with support from



Metro

Task 2: Compendium Update

- “Compendium of Existing and Proposed Near-Term Air Quality Improvement Strategies for the I-710 Corridor” created in 2006
 - Intended as information baseline to inform I-710 EIR/EIS process
 - Identified air quality measures in:
 - I-710 MCS Tier 2 Community Advisory Committee: Strategy Recommendations
 - Gateway Cities COG Clean Air Program
 - Gateway Cities COG Safety Action Initiative
 - Ports-ACTA Truck Trip Reduction Program
 - Port of Long Beach Green Port Policy
 - Port of Los Angeles Clean Air Program
 - NRDC and CCA Recommendations to Ports
 - CARB strategies
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Task 2: Compendium Update

- Methodology
 - Review original compendium
 - Review regulations and other documents created over last 5 years
 - Interviews with Port of Long Beach and Port of Los Angeles staff
 - For each of 154 measures
 - Brief status update
 - Identify as Implemented, Partially Implemented, or Not Implemented
 - Identify responsible agency and relevant regulation(s)
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Task 2: Compendium Update

- Measures with significant emissions benefits adopted since 2006
 - ARB OGV At-Berth Auxiliary Engine Regulation (2007)
 - ARB OGV Main & Auxiliary Engine Low-Sulfur Fuel Regulation (2008)
 - ARB On-Road Heavy-Duty Diesel Vehicles In-Use Regulation (“Truck and Bus Rule”) (2008)
 - ARB Drayage Truck Regulation (2009)
 - U.S. EPA Locomotive and Marine Engine Standards (2008)
 - U.S. EPA Category 3 Marine Engine Standards (2010)
 - IMO North American Emissions Control Area (2010)
 - SPB Ports Clean Air Action Plan and Clean Truck Program (2006 and 2010)
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Task 2: Compendium Update

Summary of Findings

Sector (Emissions Source)	Implemented	<u>Number of Measures</u>		Total
		Partially Implemented	Not Implemented	
Trucks	24	6	4	34
Rail	12	5	3	20
Ocean Going Vessels	25	6	5	36
Harbor Craft	3	0	2	5
Cargo Handling Equipment	13	3	1	17
Various	27	11	2	40
Other	2	0	0	2
Total	106	31	17	154

Task 2: Compendium Update

- Examples of measures Partially Implemented
 - Identify the level of air quality impacts from increasing trucking, rail and shipping
 - Require all rubber-tired gantry cranes to be electrified
 - Require all ships to shut down all diesel engines and use shore electric power
 - Develop new near-dock rail yard
 - Implement on-road heavy duty truck alternative fuels program
 - Repower or replace all switching locomotives that do not meet EPA Tier 0 Standards with electric-hybrid or alternative-fuel engines
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Task 2: Compendium Update

- Examples of measures Not Implemented
 - Require all trucks using the truck lanes on the I-710 to use alt fuels or other pollution controls.
 - Electronic screening of commercial vehicles
 - Virtual container yard
 - Alameda Corridor electrification
 - Shuttle trains
 - Graduated harbor fee system for ships
 - Biofuels for harbor craft
 - Install LNG terminal within the port
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