

# Goods Movement Emission Reduction Program

**South Coast Air Quality Management District**  
**Trade Corridor: Los Angeles/Inland Empire**

**2007-2008**

**Trucks Serving Port and Intermodal Rail  
 Yards**

## South Coast Air Quality Management District

<p><b>South Coast Air Quality Management District</b>  <b>21865 Copley Drive</b></p> <p><b>Diamond Bar</b>  <b>CA</b>  <b>91765-4178</b></p> <p><b>Tel: 909-396-2100</b>  <b>Fax: 909-396-3340</b></p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Governing Board, Counsel or Commission:</td> <td style="width: 30%;">Yes</td> </tr> <tr> <td>Agency Type:</td> <td>Air District</td> </tr> <tr> <td>Agency Service Population:</td> <td>16,600,000</td> </tr> </table>	Governing Board, Counsel or Commission:	Yes	Agency Type:	Air District	Agency Service Population:	16,600,000
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## Contact Informaton

<u>Contact</u>	<u>Name</u>	<u>Phone</u>	<u>Email</u>
<b>Source Category Contacts</b>			
Other Heavy-Duty Diesel Trucks	Fred Minassian	909-396-2641	fminassian@aqmd.gov
Trucks Serving Port and Intermodal Rail Yards	Fred Minassian	909-396-2641	fminassian@aqmd.gov
Locomotives	Fred Minassian	909-396-2641	fminassian@aqmd.gov
Harbor Craft	Fred Minassian	909-396-2641	fminassian@aqmd.gov
Shore Power	Fred Minassian	909-396-2641	fminassian@aqmd.gov

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Trucks Serving Port and Intermodal Rail Yards

## Local Agency Project Details

The tables below detail your funding sources as well as the emission reductions achieved for implementing this local agency proposal.

## Trucks Serving Port and Intermodal Rail Yards

### Trucks Serving Port and Intermodal Rail Yards

Number of Trucks	Amount of Bond Funding per Truck	Equipment Project Option	Engine Model Year		Fuel Type		Emission Reductions over Project Life		Annual VMT per Truck	Project Life (years)
			Old	New	Old	New	Nox(lbs)	PM(lbs)		
270	\$ 50,000.00	Replacement (Lease-to-own)	1996	2010	Diesel	LNG	3,486,762.000	126,090.000	41,414.00	8
600	\$ 50,000.00	Replacement (Lease-to-own)	1996	2008	Diesel	Diesel	5,937,879.000	279,807.000	41,414.00	8
170	\$ 50,000.00	Replacement	1996	2008	Diesel	Diesel	1,682,399.000	79,279.000	41,414.00	8
500	\$ 5,000.00	Retrofit Level 3 PM	1996		Diesel	Diesel	0.000	105,283.680	41,414.00	4
500	\$ 50,000.00	Replacement	1996	2008	Diesel	LNG	4,948,232.660	233,172.530	41,414.00	8

<b>Equipment Project Option</b>	<b>Sum of NO<sub>x</sub> Benefits (lbs)</b>	<b>Sum of PM Benefits (lbs)</b>	<b>Cost Effectiveness (lb/State \$)</b>
Replacement	16,055,273.000	718,347.000	0.376
Repower	0.000	0.000	0.000
Retrofit Level 3 PM	0.000	105,283.000	0.802
Retrofit Level 3 PM + Level 1 Nox	0.000	0.000	0.000
<b>Overall Project Emission Reductions</b>	<b>16,055,273.000</b>	<b>823,631.000</b>	<b>0.390</b>

### Bond Funding

<b>Bond project dollars requested plus any administrative dollars</b>	<b>Administrative Cost Details</b>
\$ 83,475,000.00	5% admin cost, as calculated below, is added to the total funding amount of \$79,500,000: \$79,500,000 * 5% = \$3,975,000

### Summary Table

Total amount of Bond Project dollars for Replacement	\$ 77,000,000.00
Total amount of Bond Project dollars for Retrofit Level 3 PM	\$ 2,500,000.00

### Total Funding Amount for Proposal (All Bond plus Non-Bond)

Total Funding Amount for Proposal (Bond + Non-Bond)	\$ 236,875,000.00
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### Non-Bond Funding Summary Table

<b>Fund Type</b>	<b>Fund Source Name</b>	<b>Amount</b>	<b>Date Funds Available</b>	<b>Describe conditions or additional requirements associated with these non-bond funds</b>
Private	Licensed Motor Carriers - Replacement	\$ 13,600,000.00	9/1/2008	Funds are private matches provided by participating Licensed Motor Carriers in purchasing new diesel trucks. Matches are estimated to be at least \$80,000 per truck.

Private	Lease-to-Own Program - Diesel	\$ 48,000,000.00	9/1/2008	Lessor entity will provide financing in a lease-to-own program, estimated at \$80,000 per truck.
Private	Lease-to-Own Program - LNG	\$ 13,500,000.00	9/1/2008	Lessor entity will provide financing in a lease-to-own program, estimated at \$50,000 per truck.
Private	Licensed Motor Carriers - Retrofit	\$ 2,500,000.00	9/1/2008	Match funds estimated at \$5,000 per truck will be provided by LMCs in retrofitting diesel trucks with Level 3 PM traps.
Other	Ports: Lease-to-Own Program -LNG	\$ 10,800,000.00	9/1/2008	Match funds will be provided by Ports for the LNG truck lease program, estimated at \$40,000 per truck.
Other	Ports/Fleet Owners - HPDI	\$ 65,000,000.00	9/1/2008	Match funds estimated at \$130,000 per truck will be provided by a combination of fleet owners and two Ports.

## Proposal Narrative

### Attachment(s)

[1.1\\_SCAQMD\\_Prop 1B Drayage Trucks Application.doc](#)

[2.1 Questions and Clarifications to Application.1.zip](#)