

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

This status report provides an update on implementation of the \$1 billion Proposition 1B: Goods Movement Emission Reduction Program (Program) to reduce emissions and health risk from freight operations in California's priority trade corridors through incentives. Consistent with State law, the Program Guidelines for Implementation (Guidelines) and related documents detail the grant/contract requirements for the Air Resources Board (ARB or Board), participating local agencies, and equipment owners (see Program website at: <http://www.arb.ca.gov/gmbond>).

ARB adopts the Guidelines, then solicits, awards, funds, and oversees grants to local agencies like air districts and seaports. The local agencies offer grants or contracts, through a competitive process, to diesel equipment owners to co-fund the upgrade of diesel equipment to cleaner technologies ahead of or beyond regulatory requirements to do so.

To ensure accountability and effective use of these public funds, the local agencies: solicit for eligible projects; review applications; inspect the old equipment; provide data to rank competitively each piece of equipment based on emission reductions and cost-effectiveness; sign grants or contracts with equipment owners; inspect the upgraded equipment; make payment for the cleaner technology; and track/report on funded projects.

The information in this report is based on the local agencies' semi-annual project reports as of September 30, 2015, and supplemented with information in the Program's Goods Movement Online Database. The information is reported by year of funding, as defined below.

- Year 1: Awarded May 2008 Board Meeting
- Year 2: Awarded June 2010 and December 2011 Board Meetings
- Year 3: Awarded December 2011 Board Meeting - drayage truck projects only
- Year 4: Awarded July 2013 Board Meeting
- Year 5: Awarded September 2015 Board Meeting

### **Available Funding and Expenditures**

Each budget appropriation authorizes ARB to use a specific amount of funding for the Program, within statutory timeframes. However, the appropriation does not provide any cash for this purpose. Therefore, the Program depends on the receipt of proceeds from State bond sales or other mechanisms to fund new projects.

The entire \$1 billion has been appropriated in State budgets (over multiple years), with \$980 million to ARB for this Program and \$20 million set aside by the control agencies to cover bond issuance and oversight costs. The final appropriation of \$240 million was approved in the Fiscal Year (FY) 2014-15 budget.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

To date, ARB has allocated approximately \$980 million for local agency projects and ARB's administration costs over multiple years, and has paid about \$719 million to local agencies and for ARB's administration costs to date.

**Current Status**

The Board adopted updates to the Guidelines in June 2015, which is part of a periodic process to revisit the Program requirements. A Notice of Funding Availability to solicit projects from local agencies was released in July, and resulted in requests for \$469 million in Program funds. The Board awarded approximately \$220 million to five local agencies to upgrade diesel equipment and \$20 million for ARB's administration costs for the remaining years of the Program.

The local agencies opened solicitations for truck projects in mid-September, and solicitations for other source categories will be opened in late 2015 into early 2016. The local agencies expect to sign contracts with equipment owners beginning in mid-2016.

**Project Results and Benefits**

The Program bond monies have leveraged substantial match funding from private, local, and federal sources – more than one match dollar for every Program dollar invested.

***Trucks.*** The local agencies have completed the Year 1 through Year 3 projects, resulting in more than 9,500 cleaner trucks operating in the four priority trade corridors. The local agencies are in the process of finalizing Year 4 projects and expect approximately 3,500 trucks to be upgraded with cleaner equipment. As of September 2015 over 2,700 trucks were operational.

The upgraded equipment includes approximately 1,600 trucks retrofitted with diesel soot filters and the replacement of over 460 trucks with new cleaner natural gas trucks. Small truck fleets (1 to 3 trucks) have received funding to upgrade about 4,800 trucks.

***Ships at Berth.*** The Bay Area District's early grant project to install grid-based electrical power for three berths at the Port of Oakland has been operational since 2011. Under Year 2 grant projects, the installation of grid-based electrical power was completed in late 2013 for 9 berths at the Port of Oakland and 25 berths at the Ports of Long Beach, Los Angeles, and Hueneme. The funded berths were ready for ships to begin to plug into the grid in early 2014.

***Locomotives and Commercial Harbor Craft.*** The Sacramento and South Coast Districts completed the upgrade of 25 locomotives that are operating in the Central Valley and the Los Angeles/Inland Empire trade corridors. In addition, the San Diego District has completed 3 harbor craft upgrades.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**Benefits.** When fully implemented, the Program expects projects included in this report will reduce over 5.2 million pounds, or 2,600 tons, of particulate matter (PM 2.5), plus over 200 million pounds, or 100,000 tons, of nitrogen oxides (NOx). Emission reductions for projects funded with Year 1 through Year 3 grants are calculated over the life of their grant term (e.g., 2 to 5 years for trucks and 10 years for ships at berth). Emission reductions for the Year 4 and Year 5 grants take into consideration ARB's regulations and include only the portion of the emission reductions that are early or extra to these regulations.

### **Implementation of Funds**

**Year 5.** In September 2015, the Board awarded approximately \$220 million for truck, locomotive, ships at berth/cargo handling equipment, transportation refrigeration unit, and commercial harbor craft projects throughout the State. The award also included \$1 million for the truck filter substrate replacement program.

**Year 4.** In July 2013, the Board awarded approximately \$150 million for truck projects throughout the State, including funds for loan assistance. In addition, \$6 million was awarded for a truck filter substrate replacement program and nearly \$1 million for harbor craft projects.

Year 4 grants also include monies not utilized from prior year grants due to project fallout. Local agencies requested that these funds be made available to fund projects from the 2013 Truck Solicitations. ARB approved these requests, consistent with the priorities and procedures in the Guidelines.

The truck projects are expected to be completed in early 2016, the filter substrate replacement project by fall 2016; and the harbor craft project is complete. The local agencies have requested that unspent funds, due primarily to project fallout, be made available for Year 5 truck projects.

**Year 2 and Year 3.** ARB received funds for these projects in 2010 and 2011 from multiple bond sales. In June 2010, the Board awarded \$200 million in available cash primarily for truck projects and ships at berth/cargo handling equipment projects, with smaller grants for locomotive and harbor craft projects. In December 2011, the Board awarded and allocated approximately \$123 million from bond sales and funds redirected from ARB's administration costs for truck projects. All projects are complete. Any funds not utilized for projects were reallocated to Year 4 truck projects.

**Year 1.** The first year funds of approximately \$246 million were used for projects to upgrade trucks, locomotives, and ships at berth. All of these projects were suspended for 6 to 14 months due to the December 2008 "stop work" order on bond-funded programs, which resulted in an extended delay from time of application to contract. This led to some funds being unused by the local agencies; grant agreements were amended to transfer funds from undersubscribed grants to oversubscribed grants. All projects are complete.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**Project Status**

The tables on the following pages present the information by trade corridor (Table 1), source category (Table 2), and by grant agreement (Tables 3 through 8), and are based on the September 30, 2015 local agency reports.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 1 PROJECTS BY TRADE CORRIDOR**

Trade Corridor (Local Agency)		Award	PM 2.5 (lbs)	NOx (lbs)	Operational Projects	Projects in Process
Los Angeles/Inland Empire	South Coast Air Quality Management District	\$503,131,095	2,441,000	110,594,000	4,420 other trucks 1,600 drayage trucks 25 ships at berth 10 locomotives	480 other trucks
	Port of Long Beach	\$3,550,000	57,000	609,000	67 drayage trucks	NA
Central Valley	San Joaquin Valley Air Pollution Control District	\$188,016,231	1,395,000	46,163,000	2,767 other trucks	121 other trucks
	Sacramento Metropolitan Air Quality Management District	\$42,308,368	458,000	8,219,000	431 other trucks 15 locomotives	11 other trucks
Bay Area	Bay Area Air Quality Management District	\$129,006,226	621,000	26,501,000	776 other trucks 1,449 drayage trucks 12 ships at berth	87 other trucks
San Diego/Border	San Diego Air Pollution Control District	\$38,167,459	148,000	5,876,000	408 other trucks 98 drayage trucks 3 harbor craft	65 other trucks
	Imperial County Air Pollution Control District	\$17,114,391	89,000	3,020,000	327 other trucks	NA
Statewide - Loan Assistance <sup>1</sup>		\$10,250,000				
Statewide - Truck Filter Substrate Replacement Program		\$7,300,000				
ARB Administration		\$41,150,000				
<b>TOTAL</b>		<b>\$980.0 million</b>	<b>5,209,000 lbs or 2,605 tons</b>	<b>200,982,000 lbs or 100,491 tons</b>	9,129 other trucks 3,214 drayage trucks 37 ships at berth 3 harbor craft 25 locomotives	764 other trucks

<sup>1</sup>Funds not needed for loan assistance are in the process of being reallocated to local agencies for Year 5 truck projects.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 2 PROJECTS BY SOURCE CATEGORY**

Funding Category	Award	PM 2.5 (lbs)	NOx (lbs)	Operational Projects	Projects in Process
Other Trucks <sup>1</sup>	\$604,229,178	2,887,000	135,122,000	9,129	764
Drayage Trucks <sup>2</sup>	\$114,928,891	869,000	18,695,000	3,214	NA
Ships at Berth/ Cargo Handling Equipment	\$102,595,415	486,000	31,755,000	37	NA
Harbor Craft	\$1,515,286	6,000	137,000	3	NA
Locomotives	\$87,625,000	936,000	14,499,000	25	NA
Transportation Refrigeration Units	\$10,400,000	25,000	774,000	NA	NA
ARB Loan Assistance <sup>3</sup>	\$10,250,000				
ARB Truck Filter Substrate Replacement Program	\$7,300,000				
ARB Administration	\$41,150,000				
<b>TOTAL</b>	<b>\$980.0 million</b>	<b>5,209,000 lbs or 2,605 tons</b>	<b>200,982,000 lbs or 100,491 tons</b>	9,129 other trucks 3,214 drayage trucks 37 ships at berth 3 harbor craft 25 locomotives	764 other trucks

<sup>1</sup>Includes 19 natural gas replacements and 695 retrofits.

<sup>2</sup>Includes 445 natural gas replacements and 891 retrofits.

<sup>3</sup>Funds not needed for loan assistance are in the process of being reallocated to local agencies for Year 5 truck projects.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 3A LOS ANGELES/INLAND EMPIRE TRADE CORRIDOR – South Coast AQMD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 5</b>					
Other Trucks	Replace old dirty trucks with newer clean models. 15GML01	\$79,000,000	0	19,829,000	Grant agreement to be sent to district in January 2016.
Ships at Berth/ Cargo Handling Equipment	Eliminate or reduce emissions from ships at berth, and replace old dirty cargo handling equipment with newer clean models. 15GML01	\$14,500,000	19,000	1,774,000	Grant agreement to be sent to district in January 2016.
Locomotives	Replace old dirty locomotives with newer clean models. 15GML01	\$22,500,000	198,000	3,284,000	Grant agreement to be sent to district in January 2016.
Transportation Refrigeration Units	Replace old dirty TRUs with newer clean models. 15GML01	\$1,500,000	3,500	112,000	Grant agreement to be sent to district in January 2016.
<b>Year 4</b>					
Other Trucks	Replace old dirty trucks with newer clean models. 13GML01/G11GMLT1	\$96,275,784	181,000	19,633,000	District has signed contracts to upgrade 2,004 trucks. 1,524 trucks have been scrapped and replaced with much cleaner trucks. Remaining trucks will be operational by December 2015. District has requested that unspent funds be transferred to the Year 5 truck grants.
<b>Year 3</b>					
Priority Drayage Trucks	Replace old dirty trucks with newer clean models serving ports and railyards. G11GMLP1	\$3,302,250	1,000	973,000	Grant complete. 104 old trucks have been scrapped and replaced with much cleaner trucks.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 3A (continued) LOS ANGELES/INLAND EMPIRE TRADE CORRIDOR – South Coast AQMD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 2</b>					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models.  G11GMLT1/G08GMLT1	\$90,363,736	499,000	14,862,000	Grant complete. 1,522 trucks have been scrapped and replaced with much cleaner trucks, including 2 natural gas. 386 trucks have been retrofitted with soot filters. 1 truck stop/distribution center electrification project has been completed.
Ships at Berth	Eliminate or reduce emissions from ships at berth.  G08GMLS1	\$59,973,125	343,000	21,841,000	Grant complete. Installation of shore power equipment for 25 berths (12 at Port of Long Beach, 10 at Port of Los Angeles, 3 at Port of Hueneme) is complete with ships plugging into the grid starting in January 2014.
Locomotives	Replace old dirty locomotives with newer clean models.  G08GMLL1	\$4,635,000	27,000	315,000	Grant complete. 6 locomotives have been repowered with much cleaner engines
<b>Year 1</b>					
Drayage Trucks	Replace old dirty trucks serving the Ports of Los Angeles and Long Beach with newer clean models.  G07GMLP1	\$6,930,000	66,000	1,104,000	Grant complete. 132 old trucks have been scrapped and replaced with much cleaner natural gas trucks.
	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models serving the rail yards.  G07GMLP2	\$2,625,000	31,000	577,000	Grant complete. 50 old trucks have been scrapped and replaced with much cleaner trucks. 2 trucks have been retrofitted with soot filters.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 3A (continued) LOS ANGELES/INLAND EMPIRE TRADE CORRIDOR – South Coast AQMD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 1</b>					
Drayage Trucks	Replace old dirty trucks serving the Ports of Los Angeles and Long Beach with newer clean models. G07GMLP3-03	\$68,539,800	511,000	10,177,000	Grant complete. 1,312 old trucks have been scrapped and replaced with much cleaner trucks, including 311 natural gas.
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models. G07GMLT1	\$6,877,500	96,000	1,638,000	Grant complete. 131 old trucks have been scrapped and replaced with much cleaner trucks, including 2 natural gas.
	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models. G07GMLT2	\$43,018,900	440,000	13,295,000	Grant complete. 823 old trucks have been scrapped and replaced with much cleaner trucks, including 4 natural gas. 33 trucks have been retrofitted with soot filters.
Locomotives	Replace old dirty locomotives at rail yards with newer clean models. G07GMLL1	\$3,090,000	25,000	1,180,000	Grant complete. 4 locomotives have been repowered with much cleaner engines.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 3B LOS ANGELES/INLAND EMPIRE TRADE CORRIDOR – Port of Long Beach**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<i>Year 1</i>					
Drayage Trucks	Replace old dirty trucks serving the Ports of Los Angeles and Long Beach with newer clean models.  G07GMLP3	\$3,550,000	57,000	609,000	Grant complete. 67 old trucks have been scrapped and replaced with much cleaner trucks, including 2 natural gas.
Corridor Total		\$506,681,095	2,498,000	111,203,000	

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 4A** **CENTRAL VALLEY TRADE CORRIDOR – San Joaquín Valley APCD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 5</b>					
Other Trucks	Replace old dirty trucks with newer clean models. 15GMC01	\$18,600,000	0	4,669,000	Grant agreement to be sent to district in January 2016.
Locomotives	Replace old dirty locomotives with newer clean models. 15GMC01	\$19,500,000	172,000	2,846,000	Grant agreement to be sent to district in January 2016.
Transportation Refrigeration Units	Replace old dirty TRUs with newer clean models. 15GMC01	\$5,000,000	12,000	372,000	Grant agreement to be sent to district in January 2016.
<b>Year 4</b>					
Other Trucks	Replace old dirty trucks with newer clean models. 13GMC01/G11GMCT1	\$39,519,385	52,000	8,253,000	District has signed contracts to upgrade 822 trucks. 701 trucks have been scrapped and replaced with much cleaner trucks. Remaining trucks will be operational by December 2015. District has requested that unspent funds be transferred to the Year 5 truck grants.
<b>Year 2</b>					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models. G11GMCT1/G08GMCT1	\$59,689,926	495,000	14,340,000	Grant complete. 1,057 old trucks have been scrapped and replaced with much cleaner trucks. 105 trucks have been retrofitted with soot filters.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 4A (continued) CENTRAL VALLEY TRADE CORRIDOR – San Joaquín Valley APCD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 1</b>					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models. G07GMCT1	\$4,882,500	104,000	1,364,000	Grant complete. 93 old trucks have been scrapped and replaced with much cleaner trucks. 10 trucks have been retrofitted with soot filters.
	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models. G07GMCT3	\$40,824,420	560,000	14,319,000	Grant complete. 789 old trucks have been scrapped and replaced with much cleaner trucks. 12 trucks have been retrofitted with soot filters.

**TABLE 4B CENTRAL VALLEY TRADE CORRIDOR – Sacramento Metropolitan AQMD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 5</b>					
Other Trucks	Replace old dirty trucks with newer clean models. 15GMC02	\$500,000	0	126,000	Grant agreement to be sent to district in January 2016.
Locomotives	Replace old dirty locomotives with newer clean models. 15GMC02	\$10,000,000	88,000	1,460,000	Grant agreement to be sent to district in January 2016.
Transportation Refrigeration Units	Replace old dirty TRUs with newer clean models. 15GMC02	\$300,000	1,000	22,000	Grant agreement to be sent to district in January 2016.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 4B (continued) CENTRAL VALLEY TRADE CORRIDOR – Sacramento Metropolitan AQMD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 4</b>					
Other Trucks	Replace old dirty trucks with newer clean models.  13GMC02/G11GMCT2	\$8,054,846	14,000	1,156,000	District has signed contracts to upgrade 151 trucks. 140 trucks have been scrapped and replaced with much cleaner trucks. Remaining trucks will be operational by December 2015. District has requested that unspent funds be transferred to the Year 5 truck grants.
<b>Year 2</b>					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models.  G11GMCT2/G08GMCT2	\$8,409,901	43,000	1,568,000	Grant complete. 178 old trucks have been scrapped and replaced with much cleaner trucks. 15 trucks have been retrofitted with soot filters.
<b>Year 1</b>					
Other Trucks	Replace old dirty trucks with newer clean models.  G07GMCT2	\$102,847	1,000	27,000	Grant complete. 2 old trucks have been scrapped and replaced with much cleaner trucks.
	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models.  G07GMCT4	\$4,640,774	40,000	1,016,000	Grant complete. 96 old trucks have been scrapped and replaced with much cleaner trucks.
Locomotives	Replace old dirty long-haul locomotives with new clean models.  G07GMCL1	\$10,300,000	271,000	2,844,000	Grant complete. 15 locomotives have been repowered with much cleaner engines and are expected to travel between the Central Valley and the Los Angeles/Inland Empire trade corridors.
<b>Corridor Total</b>		<b>\$230,324,599</b>	<b>1,853,000</b>	<b>54,382,000</b>	

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 5 BAY AREA CORRIDOR – Bay Area AQMD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 5</b>					
Other Trucks	Replace old dirty trucks with newer clean models. 15GMB01	\$15,559,602	0	3,906,000	Grant agreement to be sent to district in January 2016.
Ships at Berth/ Cargo Handling Equipment	Eliminate or reduce emissions from ships at berth, and replace old dirty cargo handling equipment with newer clean models. 15GMB01	\$5,000,000	7,000	612,000	Grant agreement to be sent to district in January 2016.
Locomotives	Replace old dirty locomotives with newer clean models. 15GMB01	\$15,000,000	132,000	2,190,000	Grant agreement to be sent to district in January 2016.
Transportation Refrigeration Units	Replace old dirty TRUs with newer clean models. 15GMB01	\$3,000,000	7,000	223,000	Grant agreement to be sent to district in January 2016.
<b>Year 4</b>					
Other Trucks	Replace old dirty trucks with newer clean models.  13GMB01/G11GMBT1	\$14,545,593	19,000	3,000,000	District has signed contracts to upgrade 276 trucks. 189 trucks have been scrapped and replaced with much cleaner trucks, including 5 natural gas. Remaining trucks will be operational by December 2015. District has requested that unspent funds be transferred to the Year 5 truck grants.
<b>Year 3</b>					
Priority Drayage Trucks	Replace old dirty trucks with newer clean models serving ports and railyards.  G11GMBP1	\$10,311,000	1,000	2,678,000	Grant complete. 357 old trucks have been scrapped and replaced with much cleaner trucks.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 5 (continued) BAY AREA CORRIDOR – Bay Area AQMD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 2</b>					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models.  G11GMBT1/G08GMBT1	\$18,178,650	84,000	2,580,000	Grant complete. 348 old trucks have been scrapped and replaced with much cleaner trucks, including 4 natural gas. 28 trucks have been retrofitted with soot filters.
Ships at Berth	Eliminate or reduce emissions from ships at berth and/or cargo equipment at ports and intermodal railyards.  G08GMBS1	\$20,000,000	98,000	6,278,000	Grant complete. Installation of shore power equipment for 9 berths at the Port of Oakland is complete with ships plugging into the grid starting in January 2014.
<b>Year 1</b>					
Drayage Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models.  G07GMBP1	\$14,526,891	174,000	1,892,000	Grant complete. 203 old trucks have been scrapped and replaced with much cleaner trucks. 889 trucks have been retrofitted with soot filters.
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models.  G07GMBT1	\$10,462,200	81,000	1,978,000	Grant complete. 198 old trucks have been scrapped and replaced with much cleaner trucks. 13 trucks have been retrofitted with soot filters.
Ships at Berth	Install grid-based shoreside electrical power at 3 berths at the Port of Oakland so ships can plug in and turn off their engines while docked.  G07GMBS1	\$2,422,290	18,000	1,164,000	Grant complete. Installation of shore power equipment for 3 berths at the Port of Oakland with ships plugging into the grid starting in 2011.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 5 (continued) BAY AREA CORRIDOR – Bay Area AQMD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<i>Year 1</i>					
Locomotives	Replace old dirty locomotives at rail yards with newer clean models.  G07GMBL1	\$0	0	0	Grant terminated and funds transferred to the existing drayage truck grant G07GMBP1, at the District's request.
Corridor Total		\$129,006,226	621,000	26,501,000	

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 6A SAN DIEGO/BORDER TRADE CORRIDOR – San Diego APCD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 5</b>					
Other Trucks	Replace old dirty trucks with newer clean models. 15GMS01	\$5,540,398	0	1,391,000	Grant agreement to be sent to district in January 2016.
Ships at Berth/ Cargo Handling Equipment	Eliminate or reduce emissions from ships at berth and replace old dirty cargo handling equipment with newer clean models. 15GMS01	\$700,000	1,000	86,000	Grant agreement to be sent to district in January 2016.
Locomotives	Replace old dirty locomotives with newer clean models. 15GMS01	\$2,600,000	23,000	380,000	Grant agreement to be sent to district in January 2016.
Commercial Harbor Craft	Replace old dirty engines in harbor craft with newer clean engines. 15GMS01	\$600,000	3,000	94,000	Grant agreement to be sent to district in January 2016.
Transportation Refrigeration Units	Replace old dirty TRUs with newer clean models. 15GMS01	\$600,000	1,000	45,000	Grant agreement to be sent to district in January 2016.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 6A (continued) SAN DIEGO/BORDER TRADE CORRIDOR – San Diego APCD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 4</b>					
Other Trucks	Replace old dirty trucks with newer clean models.  13GMS01	\$9,011,061	8,000	990,000	District has signed contracts to upgrade 149 trucks. 84 trucks have been scrapped and replaced with much cleaner trucks. Remaining trucks will be operational by December 2015. District has requested that unspent funds be transferred to the Year 5 truck grants.
Commercial Harbor Craft	Replace old dirty engines in harbor craft with newer clean engines.  13GMS01	\$800,000	2,000	32,000	Grant complete. 2 harbor craft vessels have been repowered with much cleaner engines. District has requested that unspent funds be transferred to the Year 5 grants.
<b>Year 2</b>					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models.  G11GMST1/G08GMST2	\$11,376,764	69,000	1,830,000	Grant complete. 222 old trucks have been scrapped and replaced with much cleaner trucks, including 2 natural gas. 70 trucks have been retrofitted with soot filters.
Commercial Harbor Craft	Replace old dirty engines in harbor craft with newer clean engines.  G08GMSH1	\$115,286	1,000	11,000	Grant complete. 1 harbor craft vessel has been upgraded.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 6A (continued) SAN DIEGO/BORDER TRADE CORRIDOR – San Diego APCD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<i>Year 1</i>					
Drayage Trucks	Retrofit or replace trucks serving the Port of San Diego.  G07GMSP1	\$0	0	0	Grant terminated and funds transferred to the drayage truck grant G07GMSP2, at the District's request.
	Replace old dirty trucks serving the Port of San Diego with newer clean models.  G07GMSP2	\$5,143,950	28,000	685,000	Grant complete. 98 old trucks have been scrapped and replaced with much cleaner trucks.
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models.  G07GMST2	\$1,680,000	12,000	332,000	Grant complete. 32 old trucks have been scrapped and replaced with much cleaner trucks.

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 6B SAN DIEGO/BORDER TRADE CORRIDOR – Imperial County APCD**

Funding Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 4</b>					
Other Trucks	Replace old dirty trucks with newer clean models.  13GMS02/G11GMST2	\$6,611,061	8,000	1,026,000	Grant complete. 105 trucks have been scrapped and replaced with much cleaner trucks. District has requested that unspent funds be transferred to the Year 5 truck grants.
<b>Year 2</b>					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models.  G11GMST2/G08GMST1	\$7,929,531	60,000	1,561,000	Grant complete. 147 old trucks have been scrapped and replaced with much cleaner trucks. 24 trucks have been retrofitted with soot filters.
<b>Year 1</b>					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models.  G07GMST3	\$2,573,799	21,000	433,000	Grant complete. 51 old trucks have been scrapped and replaced with much cleaner trucks.

**TABLE 6C SAN DIEGO/BORDER TRADE CORRIDOR – Port of San Diego**

Fiscal Year/ Category	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 1</b>					
Ships at Berth	Install grid-based shore power at the Port of San Diego.  G07GMSS1	\$0	0	0	Grant terminated and funds transferred to the San Diego District's drayage truck grant G07GMSP2, at the Port's request.
Corridor Total		\$55,281,850	237,000	8,896,000	

Proposition 1B: Goods Movement Emission Reduction Program  
December 2015 SEMI-ANNUAL STATUS REPORT

**TABLE 7 STATE AGENCY – LOAN ASSISTANCE – Trucks Only**

State Agency	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 4</b>					
ARB	Loan assistance to replace old dirty trucks with newer clean models.	\$5,250,000	N/A	N/A	These funds were not needed and are in the process of being reallocated to the local agencies for Year 5 truck projects.
<b>Year 3</b>					
ARB	Loan assistance to replace old dirty trucks with newer clean models serving ports and railyards.	\$5,000,000	Included in the Bay Area and South Coast Districts' FY2011-12 Priority Drayage Reserve Grants.		Loan assistance to help replace drayage trucks funded under the priority drayage reserve through the South Coast and Bay Area Districts. Loan assistance is improved access to financing through the California Capital Access Program with funds used for a loan loss reserve account if a truck owner defaults on their loan. 136 trucks projects have utilized the loan assistance program.

**TABLE 8 MULTI-CORRIDOR TRUCK PROGRAMS**

State Agency	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
<b>Year 5</b>					
ARB	Truck filter substrate replacement	\$1,000,000	TBD	TBD	The Sacramento Metropolitan Air Quality Management District has executed a contract with a filter substrate installer with installations of the replacement filters to begin in 2016.
<b>Year 4</b>					
ARB	Truck filter substrate replacement	\$6,300,000	TBD	TBD	The Sacramento Metropolitan Air Quality Management District has executed a contract with a filter substrate installer with installations of the replacement filters to begin in 2016.