

Proposition 1B: Goods Movement Emission Reduction Program
June 2016 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 March 31, 2016, and supplemented with information in the Program's Goods Movement Online Database. The information is reported by year of funding, as defined below.

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

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To date, ARB has allocated approximately \$980 million including \$938 million for local agency projects and \$42 million for ARB's administration costs over multiple years. ARB has paid about \$729 million to local agencies and for ARB's administration costs to date.

Implementation of Local Agency Funds

Year 5. In September 2015, the Board awarded approximately \$220 million for truck, locomotive, ships at berth/cargo handling equipment, transport refrigeration unit (TRU), and commercial harbor craft projects throughout the State. ARB has approved the local agencies' request that funds not utilized from prior year grants due to project fallout be made available for Year 5 truck projects.

Year 4. In July 2013, the Board awarded approximately \$143 million for truck projects throughout the State, including funds for loan assistance. In addition, \$6 million was awarded for a truck filter substrate replacement project and nearly \$1 million for harbor craft projects. Any funds not utilized for projects were reallocated to 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 \$122 million from bond sales and funds redirected from ARB's administration costs for truck projects. 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.

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Project Results

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.

Year 5. ARB executed grant agreements with local agencies in March 2016. The local agencies have held solicitations for all source categories and are evaluating the applications received. The local agencies started to sign contracts with truck owners in April 2016 and expect to sign contracts with other source categories beginning in Fall 2016.

Local agencies received applications for almost 2,000 trucks with approximately 1,300 eligible for funding. About two thirds of the projects are for advanced technologies including low-NOx, hybrid, and zero emission trucks, with the balance for new cleaner natural gas and diesel trucks. Local agencies also received applications for over 1,500 TRUs, 40 locomotives, 4 for ships at berth, and over 350 for cargo handling equipment. A solicitation for commercial harbor craft opened in early June 2016.

Years 1 to 4. These projects are complete and all equipment is operational.

Trucks. More than 12,800 cleaner trucks are operating in the four priority trade corridors. The upgraded equipment includes approximately 1,600 trucks retrofitted with diesel soot filters and the replacement of over 480 trucks with new cleaner natural gas trucks. Small truck fleets (1 to 3 trucks) have received funding to upgrade about 5,400 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.

Project Benefits – Years 1 to 5

When fully implemented, the Program expects projects included in this report will reduce approximately 5.2 million pounds, or 2,600 tons, of particulate matter (PM 2.5), plus approximately 189 million pounds, or 95,000 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

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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.

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 March 31, 2016 local agency reports.

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TABLE 1 PROJECTS BY TRADE CORRIDOR

Trade Corridor (Local Agency)		Award	PM 2.5 (lbs)	NOx (lbs)	Operational Projects
Los Angeles/Inland Empire	South Coast Air Quality Management District	\$507,298,680	2,430,000	102,846,000	4,719 other trucks 1,600 drayage trucks 25 ships at berth 10 locomotives
	Port of Long Beach	\$3,550,000	57,000	609,000	67 drayage trucks
Central Valley	San Joaquin Valley Air Pollution Control District	\$189,531,717	1,399,000	43,723,000	2,883 other trucks
	Sacramento Metropolitan Air Quality Management District	\$42,687,238	458,000	8,729,000	441 other trucks 15 locomotives
Bay Area	Bay Area Air Quality Management District	\$130,067,066	619,000	23,893,000	807 other trucks 1,449 drayage trucks 12 ships at berth
San Diego/Border	San Diego Air Pollution Control District	\$40,617,971	145,000	5,921,000	426 other trucks 98 drayage trucks 3 harbor craft
	Imperial County Air Pollution Control District	\$15,118,525	89,000	3,016,000	327 other trucks
Statewide - Loan Assistance		\$1,668,227			
Statewide - Truck Filter Substrate Replacement Project ¹		\$7,300,000			
ARB Administration		\$42,160,000			
TOTAL		\$980.0 million	5,197,000 lbs or 2,599 tons	188,737,000 lbs or 94,369 tons	9,603 other trucks 3,214 drayage trucks 37 ships at berth 3 harbor craft 25 locomotives

¹Sacramento Metropolitan Air Quality District was selected to implement this Program.

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TABLE 2 PROJECTS BY SOURCE CATEGORY

Funding Category	Award	PM 2.5 (lbs)	NOx (lbs)	Operational Projects
Other Trucks ¹	\$618,503,905	2,875,000	122,873,000	9,603
Drayage Trucks ²	\$114,928,891	869,000	18,699,000	3,214
Ships at Berth/ Cargo Handling Equipment	\$97,191,557	486,000	31,755,000	37
Harbor Craft	\$895,411	6,000	137,000	3
Locomotives	\$86,951,433	936,000	14,499,000	25
Transportation Refrigeration Units	\$10,400,000	25,000	774,000	NA
ARB Loan Assistance	\$1,668,227			
ARB Truck Filter Substrate Replacement Project	\$7,300,000			
ARB Administration	\$42,160,000			
TOTAL	\$980.0 million	5,197,000 lbs or 2,599 tons	188,737,000 lbs or 94,369 tons	9,603 other trucks 3,214 drayage trucks 37 ships at berth 3 harbor craft 25 locomotives

¹Includes 40 natural gas replacements and 695 retrofits.

²Includes 445 natural gas replacements and 891 retrofits.

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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	
Year 5					
Other Trucks	Replace old dirty trucks with newer clean models. GMB14-L1/13GML01	\$99,357,188	1,000	18,643,000	District has completed evaluating applications for approximately 470 eligible trucks and expects to start signing contracts with equipment owners in May 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. GMB14-L1	\$14,500,000	19,000	1,774,000	District is evaluating applications for 2 ships at berth projects and over 350 cargo handling equipment projects.
Locomotives	Replace old dirty locomotives with newer clean models. GMB14-L1	\$22,500,000	198,000	3,284,000	District is evaluating applications for 11 locomotives.
Transportation Refrigeration Units	Replace old dirty TRUs with newer clean models. GMB14-L1	\$1,500,000	3,500	112,000	District is evaluating applications for over 800 pieces of equipment.
Year 4					
Other Trucks	Replace old dirty trucks with newer clean models. 13GML01/G11GMLT1	\$81,417,420	180,000	13,407,000	Grant complete. 1,823 old trucks have been scrapped and replaced with much cleaner trucks. \$14.8 million in unspent funds were approved to be made available for Year 5 truck projects.
Year 3					
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.

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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	
Year 2					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models. G11GMLT1/G08GMLT1	\$90,363,736	488,000	14,522,000	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	\$58,641,886	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. \$1,331,239 in unspent funds were approved to be made available for Year 5 truck projects.
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
Year 1					
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.

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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	
Year 1					
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	10,181,000	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.

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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		\$510,848,680	2,487,000	103,455,000	

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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	
Year 5					
Other Trucks	Replace old dirty trucks with newer clean models. GMB14-C1/13GMC01	\$24,420,485	4,000	2,431,000	District has completed evaluating applications for approximately 380 eligible trucks and expects to start signing contracts with equipment owners in June 2016.
Locomotives	Replace old dirty locomotives with newer clean models. GMB14-C1	\$19,500,000	172,000	2,846,000	District is evaluating applications for 10 locomotives.
Transportation Refrigeration Units	Replace old dirty TRUs with newer clean models. GMB14-C1	\$5,000,000	12,000	372,000	District is evaluating applications for 752 pieces of equipment.
Year 4					
Other Trucks	Replace old dirty trucks with newer clean models. 13GMC01/G11GMCT1	\$35,261,636	52,000	8,051,000	Grant complete. 817 trucks have been scrapped and replaced with much cleaner trucks, including 2 natural gas. \$4.3 million in unspent funds were approved to be made available for Year 5 truck projects.
Year 2					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models. G11GMCT1/G08GMCT1	\$59,642,676	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.

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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	
Year 1					
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	
Year 5					
Other Trucks	Replace old dirty trucks with newer clean models. GMB14-C2/13GMC02	\$3,033,075	0	676,000	District has completed evaluating applications for approximately 30 eligible trucks and expects to start signing contracts with equipment owners in June 2016.
Locomotives	Replace old dirty locomotives with newer clean models. GMB14-C2	\$10,000,000	88,000	1,460,000	District is evaluating applications for 11 locomotives.
Transportation Refrigeration Units	Replace old dirty TRUs with newer clean models. GMB14-C2	\$300,000	1,000	22,000	District is evaluating applications for 26 pieces of equipment.

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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	
Year 4					
Other Trucks	Replace old dirty trucks with newer clean models. 13GMC02/G11GMCT2	\$6,574,208	14,000	1,124,000	Grant complete. 150 trucks have been scrapped and replaced with much cleaner trucks. \$1.5 million in unspent funds were approved to be made available for Year 5 truck projects.
Year 2					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models. G11GMCT2/G08GMCT2	\$8,409,901	43,000	1,560,000	Grant complete. 178 old trucks have been scrapped and replaced with much cleaner trucks. 15 trucks have been retrofitted with soot filters.
Year 1					
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	\$9,626,433	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. \$0.6 million in unspent funds were approved to be made available for Year 5 truck projects.
Corridor Total		\$232,218,955	1,857,000	52,452,000	

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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	
Year 5					
Other Trucks	Replace old dirty trucks with newer clean models. GMB14-B1/13GMB01	\$25,672,315	1,000	2,761,000	District is evaluating applications for approximately 320 eligible trucks and started signing contracts with equipment owners in April 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. GMB14-B1	\$5,000,000	7,000	612,000	District is evaluating applications for 2 ships at berth projects.
Locomotives	Replace old dirty locomotives with newer clean models. GMB14-B1	\$15,000,000	132,000	2,190,000	District received and is evaluating applications to upgrade 10 locomotives.
Transportation Refrigeration Units	Replace old dirty TRUs with newer clean models. GMB14-B1	\$3,000,000	7,000	223,000	District is evaluating applications.
Year 4					
Other Trucks	Replace old dirty trucks with newer clean models. 13GMB01/G11GMBT1	\$9,566,339	16,000	1,543,000	Grant complete. 220 trucks have been scrapped and replaced with much cleaner trucks, including 6 natural gas. \$2.0 million in unspent funds were approved to be made available for Year 5 truck projects.
Year 3					
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.

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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	
Year 2					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models. G11GMBT1/G08GMBT1	\$18,178,650	84,000	2,574,000	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. \$4.0 million in unspent funds were approved to be made available for Year 5 truck projects.
Ships at Berth	Eliminate or reduce emissions from ships at berth and/or cargo equipment at ports and intermodal railyards. G08GMBS1	\$15,927,381	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. \$4.0 million in unspent funds were approved to be made available for Year 5 truck projects.
Year 1					
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.

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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		\$130,067,066	619,000	23,983,000	

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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	
Year 5					
Other Trucks	Replace old dirty trucks with newer clean models. GMB14-S1/13GMS01	\$12,968,366	0	1,919,000	District has completed evaluating applications for approximately 110 eligible trucks and expects to start signing contracts with equipment owners in early summer 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. GMB14-S1	\$700,000	1,000	86,000	District opened solicitation in June 2016.
Locomotives	Replace old dirty locomotives with newer clean models. GMB14-S1	\$2,600,000	23,000	380,000	District opened solicitation in June 2016.
Commercial Harbor Craft	Replace old dirty engines in harbor craft with newer clean engines. GMB14-S1	\$600,000	3,000	94,000	District opened solicitation in June 2016.
Transportation Refrigeration Units	Replace old dirty TRUs with newer clean models. GMB14-S1	\$600,000	1,000	45,000	District opened solicitation in May 2016.

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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	
Year 4					
Other Trucks	Replace old dirty trucks with newer clean models. 13GMS01	\$4,653,480	5,000	507,000	Grant complete. 102 old trucks have been scrapped and replaced with much cleaner trucks, including 18 natural gas. \$4.9 million in unspent funds were approved to be made available for Year 5 truck projects.
Commercial Harbor Craft	Replace old dirty engines in harbor craft with newer clean engines. 13GMS01	\$180,125	2,000	32,000	Grant complete. 2 harbor craft vessels have been repowered with much cleaner engines.
Year 2					
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.

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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.

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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	
Year 4					
Other Trucks	Replace old dirty trucks with newer clean models. 13GMS02/G11GMST2	\$4,660,287	8,000	1,026,000	Grant complete. 105 trucks have been scrapped and replaced with much cleaner trucks. \$1.6 million in unspent funds have been approved to be transferred to the San Diego District for the Year 5 truck grants.
Year 2					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models. G11GMST2/G08GMST1	\$7,884,439	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. \$304,548 in unspent funds have been approved to be transferred to the San Diego District for the Year 5 truck grants.
Year 1					
Other Trucks	Retrofit trucks with soot filters and replace old dirty trucks with newer clean models. G07GMST3	\$2,573,799	21,000	429,000	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	
Year 1					
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		\$55,736,496	234,000	8,937,000	

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TABLE 7 STATE AGENCY – LOAN ASSISTANCE – Trucks Only

State Agency	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
Year 4					
ARB	Loan assistance to replace old dirty trucks with newer clean models.	\$0	N/A	N/A	The \$5.3 million was not needed for loan assistance and was reallocated to the local agencies for Year 5 truck projects.
Year 3					
ARB	Loan assistance to replace old dirty trucks with newer clean models serving ports and railyards.	\$1,668,227	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 Air 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. \$3.3 million not needed for this project was reallocated to the local agencies for Year 5 truck projects.

TABLE 8 MULTI-CORRIDOR TRUCK PROGRAMS

State Agency	Project Description	Grant Amount	Emission Reductions (pounds)		Current Project Status
			PM 2.5	NOx	
Year 5					
ARB	Truck filter substrate replacement	\$1,000,000	TBD	TBD	These funds were awarded at the September 2015 Board Meeting to augment the Year 4 award due to higher than anticipated initial demand for the project. If the funds are not needed, they will be made available to the local agencies for Year 5 projects.
Year 4					
ARB	Truck filter substrate replacement	\$6,300,000	TBD	TBD	Sacramento Air District was selected to implement this project. 44 filter substrates have been replaced; the remaining replacements are expected to be completed by September 30, 2016.