

Agenda Date: June 20, 2011
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Estimated Time: NA
Continued Item: No

Board Agenda Item

TO: Air Pollution Control District Board

FROM: Terry Dressler, Air Pollution Control Officer

CONTACT: Jim Fredrickson, 961-8892

SUBJECT: Lower Emission School Bus Program

RECOMMENDATION:

Approve \$700,000 in additional funding allocation for the Lower Emission School Bus Program for school bus replacement and retrofit grants.

SUMMARY:

Since 2001, your Board has approved \$1,940,604 in grant funding allocation for the Lower Emission School Bus Program, which has led to the countywide replacement of 19 pre-1987 school buses, and retrofit of 21 school buses with diesel particulate control filters. The staff recommendation is to approve an additional allocation of \$700,000 in Innovative Technologies Group (ITG) funds for a total of \$2,640,604 in grant funding allocation for school bus replacement or retrofit of older diesel school buses. This program allocation does not change the Fiscal Year 2011-2012 budget.

DISCUSSION:

Back in January 2001 your Board approved APCD participation with the California Air Resources Board (ARB) to replace and retrofit school buses in Santa Barbara County. The exposure of school children to diesel emissions has been reduced by replacing older diesel powered school buses with new lower emission school buses and retrofitting older buses by installing particulate control filters.

Since January 2001, your Board has approved a total of \$1,940,604 in motor vehicle surcharge and other ITG funds to be allocated to this Lower Emission School Bus Program. Of this amount, \$1,921,382 has been expended on school bus replacement and school bus retrofit projects to date with \$19,222 remaining in the bus program budget.

\$1,810,709 of program funds have been used to successfully replace 19 old school district buses in our county with new cleaner buses. In addition, \$110,673 of program funds have been used to retrofit 21 school district buses with diesel particulate control filters. Table 1 below lists the school bus replacements and Table 2 lists the school bus retrofits. All of these school bus projects have combined to reduce more than 34 tons of nitrogen oxides (NO_x), reactive organic compounds (ROC), and particulate matter (PM₁₀) emissions over their project life.

Table 1
SCHOOL BUS REPLACEMENTS

Grant Approval Date	Approved Grant Amount	School District	School Bus Replacement Grants
7/19/2001	\$50,000	Goleta USD	Two 1979 buses replaced with two 2001 buses (CNG+ULSD) [75% paid by CEC / 25% SBCAPCD Match]
7/19/2001	\$20,090	Blochman USD	One 1977 bus replaced with one 2001 bus (Propane) [75% paid by CEC / 25% SBCAPCD Match]
1/17/2002	\$39,618	Orcutt USD	Two buses (1971 & 1984) replaced with two 2002 buses (Propane) [75% paid by CEC / 25% SBCAPCD Match]
10/20/2005	\$119,466	Cuyama JUSD	One 1982 bus replaced with one 2005 bus (ULSD)
3/16/2006	\$250,223	Guadalupe USD	Two 1981 buses replaced with two 2005 buses (ULSD) [Paid with Guadalupe Dunes Mitigation Funds]
8/20/2008	\$140,000	Santa Maria JUHSD	One 1980 bus replaced with one 2008 bus (ULSD)
8/20/2008	\$140,000	Santa Maria JUHSD	One 1980 bus replaced with one 2008 bus (ULSD)
8/20/2008	\$110,392	Goleta USD	One 1984 bus replaced with one 2009 bus (ULSD)
8/20/2008	\$110,392	Goleta USD	One 1986 bus replaced with one 2009 bus (ULSD)
12/22/2009	\$140,000	Goleta USD	One 1977 bus replaced with one 2011 bus (ULSD)
12/22/2009	\$116,471	Goleta USD	One 1982 bus replaced with one 2010 bus (ULSD)
12/22/2009	\$140,000	Goleta USD	One 1984 bus replaced with one 2010 bus (ULSD)
12/22/2009	\$140,000	Goleta USD	One 1985 bus replaced with one 2010 bus (ULSD)
5/19/2010	\$140,000	Santa Maria JUHSD	One 1985 bus replaced with one 2010 bus (ULSD)
5/19/2010	\$140,000	Santa Maria JUHSD	One 1985 bus replaced with one 2010 bus (ULSD)
5/16/2011	\$14,057	Cuyama JUSD	One 1976 bus replaced with one 2011 bus (ULSD) [90% paid by SJVAPCD / 10% paid by SBCAPCD]
	\$1,810,709		19 School Bus Replacements

Table 2
SCHOOL BUS RETROFITS

Grant Approval Date	Approved Grant Amount	School District / JPA	School Bus Retrofit Grants
3/5/2004	\$3,988	Cuyama JUSD	Installed one Diesel Particulate Filter
5/13/2004	\$16,149	Goleta USD	Installed three Diesel Particulate Filters
7/19/2004	\$7,556	Carpinteria USD	Installed two Diesel Particulate Filters
11/30/2004	\$38,270	Student Transportation of America	Installed ten Diesel Particulate Filters
6/13/2007	\$44,710	Orcutt USD	Installed five Diesel Particulate Filters
	\$110,673		21 School Bus Retrofits

With the additional allocation of \$700,000, the currently unexpended program budget of \$19,222 would be increased to \$719,222. This funding would allow us to coordinate with school districts countywide regarding future funding for school bus replacements and school bus retrofits to clean up their old school buses. A summary of all school bus grants approved by the Control Officer since the prior regular Board hearing will be reported at the following regular Board hearing.

This additional \$700,000 allocation for this school bus program will be derived from motor vehicle surcharge funds and will cover expenditures that occur during 2011-2013.

This program allocation does not change the District's fiscal year 2011-12 budget amount for ITG.