

BOARD MEETING DATE: November 2, 2012

AGENDA NO. 7

PROPOSAL: Approve Awards for School Bus Replacements and Retrofits 

SYNOPSIS: At its April 6, 2012 meeting, the Board issued Program Announcement PA #2012-15 to solicit applications for replacement and retrofit of school buses. These actions are to approve awards to replace pre-1994 diesel school buses with new alternative fuel buses and to retrofit 1994 and newer buses with particulate traps in an amount not to exceed \$34,293,000 comprised of \$34,225,500 from the Carl Moyer Program AB 923 Fund (80), and \$67,500 from the Lower-Emission School Bus Fund (33).

COMMITTEE: Technology, October 19, 2012, Recommended for Approval

RECOMMENDED ACTIONS:

- A. Authorize the Chairman to execute contracts with the following public school districts as shown in Table 1, to replace pre-1994 diesel school buses with new alternative fuel buses and infrastructure, in an amount not to exceed \$32,905,500 from the Carl Moyer Program AB 923 Fund (80):
1. ABC Unified School District for 2 CNG buses in an amount not to exceed \$351,000;
 2. Alhambra Unified School District for 1 CNG bus in an amount not to exceed \$175,500;
 3. Banning Unified School District for 1 CNG bus in an amount not to exceed \$175,500;
 4. Bear Valley Unified School District for 4 CNG buses in an amount not to exceed \$702,000;
 5. Beaumont Unified School District for 3 CNG buses in an amount not to exceed \$526,500;
 6. Bonita Unified School District for 1 CNG bus in an amount not to exceed \$175,500;
 7. Chaffey Joint Union High School District for 9 CNG buses in an amount not to exceed \$1,579,500;
 8. Colton Joint Unified School District for 4 CNG buses in an amount not to exceed \$702,000;

9. Cypress School District for 2 CNG buses in an amount not to exceed \$351,000;
10. Downey Unified School District for 6 CNG buses in an amount not to exceed \$1,053,000;
11. Fullerton School District for 16 Propane buses in an amount not to exceed \$2,072,000;
12. Fullerton Joint Union High School District for 6 CNG buses in an amount not to exceed \$1,053,000;
13. Huntington Beach Union High School District for 3 CNG buses in an amount not to exceed \$526,500;
14. Hemet Unified School District for 7 CNG buses in an amount not to exceed \$1,228,500;
15. La Habra City School District for 4 CNG buses in an amount not to exceed \$702,000;
16. Lake Elsinore Unified School District for 9 CNG buses in an amount not to exceed \$1,579,500;
17. Montebello Unified School District for 5 CNG buses in an amount not to exceed \$877,500;
18. Murrieta Valley Unified School District for 10 CNG buses in an amount not to exceed \$1,755,000;
19. Newport-Mesa Unified School District for 8 CNG buses in an amount not to exceed \$1,404,000;
20. Ocean View School District for 8 CNG buses in an amount not to exceed \$1,404,000;
21. Ontario-Montclair School District for 11 CNG buses in an amount not to exceed \$1,930,500;
22. Orange Unified School District for 3 CNG buses in an amount not to exceed \$526,500;
23. Placentia-Yorba Linda Unified School District for 4 CNG buses in an amount not to exceed \$702,000;
24. Pupil Transportation Cooperative for 4 CNG buses and 5 Propane buses in an amount not to exceed \$1,349,500;
25. Redlands Unified School District for 15 CNG buses in an amount not to exceed \$2,632,500;
26. Rialto Unified School District for 16 CNG buses in an amount not to exceed \$2,808,000;
27. Rim of the World Unified School District for 1 CNG bus in an amount not to exceed \$175,500;
28. Rowland Unified School District for 5 CNG buses in an amount not to exceed \$877,500;
29. Temecula Valley Unified School District for 5 CNG buses in an amount not to exceed \$877,500;
30. Torrance Unified School District for 4 CNG buses in an amount not to exceed \$702,000;

31. Upland Unified School District for 6 CNG buses in an amount not to exceed \$1,053,000; and
 32. Walnut Valley Unified School District for 5 CNG buses in an amount not to exceed \$877,500;
- B. Authorize the Chairman to execute contracts with public school districts and private transportation carriers, as identified in Table 2, to retrofit 66 diesel school buses with particulate traps in an amount not to exceed \$1,320,000 from the Carl Moyer Program AB 923 Fund (80):
1. Azusa Unified School District for 1 trap in an amount not to exceed \$20,000;
 2. Beaumont Unified School District for 1 trap in amount not to exceed \$20,000;
 3. Cypress School District for 1 trap in an amount not to exceed \$20,000;
 4. La Habra City School District for 3 traps in an amount not to exceed \$60,000;
 5. Ontario-Montclair School District for 5 traps in an amount not to exceed \$100,000;
 6. Riverside County Office of Education for 1 trap in an amount not to exceed \$20,000;
 7. Santa Monica-Malibu Unified School District for 7 traps in an amount not to exceed \$140,000;
 8. First Student, Inc. for 15 traps in an amount not to exceed \$300,000;
 9. JFK Transportation for 3 traps in an amount not to exceed \$60,000;
 10. Pacific Coachways Charter Services, Inc. for 6 traps in an amount not to exceed \$120,000;
 11. Tumbleweed Transportation for 23 traps in an amount not to exceed \$460,000;
- C. Authorize the Chairman to award mountainous region safety equipment packages for 4 new buses for Bear Valley and 1 new bus for Rim of the World Unified School Districts in an amount not to exceed \$13,500 each, for a total of \$67,500 from the Lower-Emission School Bus Program Fund (33).
- D. Approve for school districts not needing the proposed infrastructure awards the option of using funds from that portion of their awards as outlined in Table 1, for up to \$14,000 per CNG bus and up to \$5,000 per propane bus to help reduce their match requirement.
- E. Transfer \$951,760 in AB 923 funds from the Proposition 1B-Lower Emission School Bus Program Fund (82) back to the Carl Moyer Program AB 923 Fund (80).

Barry R. Wallerstein, D.Env.
Executive Officer

Background

Since the commencement of the Lower-Emission School Bus Program in 2001, AQMD has spent about \$210 million in state and local funds to replace over 1,000 highly polluting school buses with alternative fuel buses and to retrofit over 3,000 school buses with particulate traps.

At its April 6, 2012 meeting, the Board approved the issuance of Program Announcement PA #2012-15 for the replacement and retrofit of additional school buses. The school bus replacement component of the program was expanded significantly with the eligibility of pre-1994 school buses now allowed under the Lower-Emission School Bus Program guidelines. By the closing date of the Program Announcement on April 6, 2012, thirty-one public school districts applied for 417 school bus replacements, and seven school districts and four private operators applied for 81 particulate traps.

Proposal

Staff recommends the Board's approval for the replacement of 193 pre-1994 school buses with new alternative fuel buses and the retrofit of 66 model year 1994 and newer school buses with particulate traps as listed in Tables 1 & 2, for the amount of up to \$34,225,500 from the Carl Moyer Program AB 923 Fund (80).

The criteria used for the evaluation and selection of the 193 school bus replacement and the 66 retrofit projects are listed below. It should be noted that although Los Angeles Unified School District (LAUSD) applied for 57 school bus replacements, they were not considered for an award as they still have an outstanding award for replacement of 70 school buses that have not yet been implemented. The reason for this delay is that LAUSD recently completed the implementation of 351 new school buses under the Proposition 1B-School Bus Program, and some time is needed to phase in the additional 70 buses that were awarded with AB 923 funds. After the 70 buses are fully implemented, staff will recommend LAUSD's request of the 57 school buses for the Board's consideration.

- All requests for the replacement of pre-1987 buses have been given priority and have been recommended for funding.
- Due to the large number of requests for school bus replacements every applicant has been recommended half of their requests; those applicants requesting an odd number of buses have been recommended for half their requests plus one bus.
- All the particulate retrofit requests have been recommended for awards except for two private schools that are not allowed under the Lower-Emission School Bus Program guidelines.

School districts are required to provide \$15,000 per CNG bus and \$10,000 per propane bus as their local match. Staff recommends that those school districts that do not need the infrastructure funds, if requested, be allowed to use up to \$14,000 per CNG bus and \$5,000 per propane bus of their infrastructure funds toward their required local match.

To assist operational needs of school buses in mountainous regions, staff also recommends the Board's approval to award five mountain safety equipment packages for four new buses to Bear Valley Unified School District, and one new bus to Rim of the World Unified School District in an amount not to exceed \$13,500 each, for a total of \$67,500 from the Lower-Emission School Bus Program Fund (33).

At its July 10, 2009 meeting, the Board approved the transfer of funds from the Carl Moyer AB 923 Fund (80) to the Proposition 1B-School Bus Program Fund (82) to pay for elements of the school bus expenditures not covered by the Proposition 1B funds. As the Proposition 1B-School Bus Program has been successfully completed with replacements and retrofits of 465 and 467 school buses respectively, there remains \$951,760 in unspent AB 923 funds in the Proposition 1B-School Bus Fund (82). Thus, staff recommends the transfer of \$951,760 from the Proposition 1B-School Bus Program Fund (82) back to the Carl Moyer Program AB 923 Fund (80).

Some school districts have shown interest in an all-electric school bus as replacement for an older school bus. ABC Unified School District asked for one under this Program Announcement. Since the technology is in its infancy, more testing and demonstration is needed. Hence, staff will be discussing this project with the ABC Unified School District and will propose a demonstration project with the Clean Fuels Fund for the Board's approval in the near future.

Outreach

In accordance with AQMD's Procurement Policy and Procedure, a public notice advertising the RFP/RFQ and inviting bids was published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may have been notified utilizing AQMD's own electronic listing of certified minority vendors. Notice of the RFP/RFQ has been e-mailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at AQMD's website (<http://www.aqmd.gov>). Information is also available on AQMD's bidder's 24-hour telephone message line (909) 396-2724.

Benefits to AQMD

The successful implementation of the Lower-Emission School Bus Replacement and Retrofit Program will provide less-polluting and safer school transportation for school children and will reduce public exposure to toxic diesel particulate matter emissions. In addition, these awards comply with AB 1390 requirements, such that it would reduce air pollution in low-income, high-diesel and high-PM10 exposure areas as well as enhance the objectives of the Environmental Justice and Children's Health Initiatives adopted by the AQMD Board.

Resource Impacts

Total funding for the recommended awards shall not exceed \$34,293,000 comprised of \$34,225,500 from the Carl Moyer Program AB 923 Fund (80) and \$67,500 from the Lower-Emission School Bus Fund (33).

Attachment

Table 1: Recommended Awards for Pre-1994 School Bus Replacements

Table 2: Recommended Awards for PM traps

Table 1: Recommended Awards for Pre-1994 School Bus Replacements

PA #2012-15 A Applicant (Unified School Districts)	County	Proposed Award	Fuel Type	School Match (\$15,000/CNG bus)	Bus Award (\$157K/CNG, \$120K/Propane)	Fire Suppr. \$4,500/bus	Infrastructure	Total Award\$
Bonita	LA	1	CNG	\$15,000	\$157,000	\$4,500	\$14,000	\$175,500
ABC	LA	2	CNG	\$30,000	\$314,000	\$9,000	\$28,000	\$351,000
Downey	LA	6	CNG	\$90,000	\$942,000	\$27,000	\$84,000	\$1,053,000
Montebello	LA	5	CNG	\$75,000	\$785,000	\$22,500	\$70,000	\$877,500
Pupil Transp. Coop.	LA	4	CNG	\$60,000	\$628,000	\$18,000	\$56,000	\$702,000
		5	Propane	\$50,000	\$600,000	\$22,500	\$25,000	\$647,500
Rowland	LA	5	CNG	\$75,000	\$785,000	\$22,500	\$70,000	\$877,500
Torrance	LA	4	CNG	\$60,000	\$628,000	\$18,000	\$56,000	\$702,000
Walnut Valley	LA	5	CNG	\$75,000	\$785,000	\$22,500	\$70,000	\$877,500
Alhambra	LA	1	CNG	\$15,000	\$157,000	\$4,500	\$14,000	\$175,500
Cypress	LA	2	CNG	\$30,000	\$314,000	\$9,000	\$28,000	\$351,000
Total LA Co.		40			\$6,095,000	\$180,000	\$515,000	\$6,790,000
Fullerton Jt Un. High	OR	6	CNG	\$90,000	\$942,000	\$27,000	\$84,000	\$1,053,000
Newport-Mesa	OR	8	CNG	\$120,000	\$1,256,000	\$36,000	\$112,000	\$1,404,000
Orange	OR	3	CNG	\$45,000	\$471,000	\$13,500	\$42,000	\$526,500
Placentia-Yorba Linda	OR	4	CNG	\$60,000	\$628,000	\$18,000	\$56,000	\$702,000
HB Union High	OR	3	CNG	\$45,000	\$471,000	\$13,500	\$42,000	\$526,500
Ocean View	OR	8	CNG	\$120,000	\$1,256,000	\$36,000	\$112,000	\$1,404,000
La Habra City	OR	4	CNG	\$60,000	\$628,000	\$18,000	\$56,000	\$702,000
Fullerton SD *	OR	16	Propane	\$160,000	\$1,920,000	\$72,000	\$80,000	\$2,072,000
Total OR Co.		52			\$7,572,000	234,000	584,000	8,390,000
Lake Elsinore	RV	9	CNG	\$135,000	\$1,413,000	\$40,500	\$126,000	\$1,579,500
Murrieta Valley	RV	10	CNG	\$150,000	\$1,570,000	\$45,000	\$140,000	\$1,755,000
Temecula Valley	RV	5	CNG	\$75,000	\$785,000	\$22,500	\$70,000	\$877,500
Hemet	RV	7	CNG	\$105,000	\$1,099,000	\$31,500	\$98,000	\$1,228,500
Total RV Co.		31			\$4,867,000	\$139,500	\$434,000	\$5,440,500

PA #2012-15 A Applicant (Unified School Districts)	County	Proposed Award	Bus Fuel Type	School Match (\$15,000/CNG bus)	Bus Award (\$157,000/ CNG bus)	Fire Suppn (\$4,500/ CNG bus)	CNG Station (\$14,000/ CNG bus)	Total Award\$
Bear Valley	SB	4	CNG	\$60,000	\$628,000	\$18,000	\$56,000	\$702,000
Colton Joint	SB	4	CNG	\$60,000	\$628,000	\$18,000	\$56,000	\$702,000
Ontario-Montclair	SB	11	CNG	\$165,000	\$1,727,000	\$49,500	\$154,000	\$1,930,500
Redlands	SB	15	CNG	\$225,000	\$2,355,000	\$67,500	\$210,000	\$2,632,500
Rialto	SB	16	CNG	\$240,000	\$2,512,000	\$72,000	\$224,000	\$2,808,000
Rim of the World	SB	1	CNG	\$15,000	\$157,000	\$4,500	\$14,000	\$175,500
Upland	SB	6	CNG	\$90,000	\$942,000	\$27,000	\$84,000	\$1,053,000
Beaumont	SB	3	CNG	\$45,000	\$471,000	\$13,500	\$42,000	\$526,500
Chaffey	SB	9	CNG	\$135,000	\$1,413,000	\$40,500	\$126,000	\$1,579,500
Banning	SB	1	CNG	\$15,000	\$157,000	\$4,500	\$14,000	\$175,500
Total SB Co.		70			\$10,990,000	\$315,000	\$980,000	\$12,285,000
Total, all Applicants		193			\$29,524,000			\$32,905,500

- All pre-1987 buses will be replaced.
- School districts are allowed to use partially or wholly their infrastructure award funds towards reducing their school match.
- * Fullerton SD requested to replace 16 pre-1987 buses.
- LAUSD was awarded 70 new CNG buses in December 2010 to replace highly polluting two-stroke powered engines. Staff will consider the LAUSD award once the outstanding 70 CNG bus project is completed.

Table 2: Recommended Awards for PM Traps

Applicant	No. of Traps	Entity	County	Proposed AQMD Award*
Azusa Unified School District	1	Public SD	LA	\$20,000
Beaumont USD	1	Public SD	SB	\$20,000
Cypress USD	1	Public SD	LA	\$20,000
La Habra City USD	3	Public SD	OR	\$60,000
Ontario-Montclair USD	5	Public SD	SB	\$100,000
Riverside County Office of Education	1	Public SD	RV	\$20,000
Santa Monica-Malibu USD	7	Public SD	LA	\$140,000
First Student	15	Private	LA	\$300,000
JFK (Private)	3	Private	OR	\$60,000
Pacific Coachways Charter Services	6	Private	OR	\$120,000
Tumbleweed Transportation	23	Private	LA	\$460,000
Total	66			\$1,320,000

* Award determined at \$20,000 per PM trap