

BOARD MEETING DATE: October 2, 2015

AGENDA NO. 9

PROPOSAL: Approve Awards for School Bus Replacements and Retrofits 

SYNOPSIS: At its March 6, 2015 meeting, the Board issued a Program Announcement 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 \$25,136,000 from the Carl Moyer Program AB 923 Fund (80).

COMMITTEE: Technology, September 18, 2015; Recommended for Approval

RECOMMENDED ACTIONS:

A. Authorize the Chairman to execute contracts with the following public school districts, and as shown in Table 1, to replace 144 pre-1994 diesel school buses with new alternative fuel buses and infrastructure in an amount not to exceed \$25,016,000 from the Carl Moyer Program AB 923 Fund (80):

1. ABC Unified School District for 1 CNG bus in an amount not to exceed \$180,500;
2. Alta Loma Unified School District for 1 CNG bus in an amount not to exceed \$180,500;
3. Anaheim City School for 1 CNG bus in an amount not to exceed \$180,500;
4. Anaheim Union School District for 7 propane buses in an amount not to exceed \$906,500;
5. Baldwin Park Unified School District for 1 CNG bus in an amount not to exceed \$166,500;
6. Bear Valley Unified School District for 1 CNG bus in an amount not to exceed \$166,500;
7. Beaumont Unified School District for 2 CNG buses in an amount not to exceed \$361,000;
8. Bellflower Unified School District for 1 CNG bus in an amount not to exceed \$180,500;
9. Bonita Unified School District for 1 CNG bus in an amount not to exceed \$166,500;
10. Capistrano Unified School District for 2 CNG buses in an amount not to exceed \$361,000;

11. Centralia Unified School District for 1 propane buse in an amount not to exceed \$129,500;
12. Chaffey Joint Union High School District for 2 CNG buses in an amount not to exceed \$333,000;
13. Chino Valley Unified School District for 1 CNG bus in an amount not to exceed \$180,500;
14. Coachella Valley Unified School District for 1 CNG bus in an amount not to exceed \$166,500;
15. Colton Joint Unified School District for 1 CNG bus in an amount not to exceed \$180,500;
16. Covina Valley Unified School District for 1 CNG bus in an amount not to exceed \$166,500;
17. Cypress Unified School District for 1 CNG bus in an amount not to exceed \$166,500;
18. Desert Sands Unified School District for 1 CNG bus in an amount not to exceed \$166,500;
19. Downey Unified School District for 1 CNG bus in an amount not to exceed \$180,500;
20. Etiwanda Unified School District for 1 CNG bus in an amount not to exceed \$166,500;
21. Fontana Unified School District for 2 CNG buses in an amount not to exceed \$361,000;
22. Fountain Valley Unified School District for 1 CNG bus in an amount not to exceed \$166,500;
23. Fullerton School District for 1 propane bus in an amount not to exceed \$129,500;
24. Fullerton Joint Union High School District for 1 CNG bus in an amount not to exceed \$180,500;
25. Garden Grove Unified School District for 2 CNG buses in an amount not to exceed \$361,000;
26. Huntington Beach City School for 1 CNG bus in an amount not to exceed \$166,500;
27. Huntington Beach Union High School District for 2 CNG buses in an amount not to exceed \$361,000;
28. Hemet Unified School District for 3 CNG buses in an amount not to exceed \$541,500;
29. La Habra City School District for 1 CNG bus in an amount not to exceed \$166,500;
30. Los Alamitos Unified School District for 1 CNG bus in an amount not to exceed \$180,500;
31. Los Angeles Unified School District for 71 CNG buses in an amount not to exceed \$12,815,500;
32. Montebello Unified School District for 1 CNG bus in an amount not to exceed \$180,500;

33. Murrieta Valley Unified School District for 3 CNG buses in an amount not to exceed \$499,500;
34. Newhall Unified School District for 1 propane bus in an amount not to exceed \$129,500;
35. Newport-Mesa Unified School District for 1 CNG bus in an amount not to exceed \$180,500;
36. Nuview Union School District for 4 CNG buses in an amount not to exceed \$722,000;
37. Ocean View School District for 1 propane bus in an amount not to exceed \$129,500;
38. Ontario-Montclair School District for 1 CNG buses in an amount not to exceed \$180,500;
39. Orange Unified School District for 1 CNG bus in an amount not to exceed \$180,500;
40. Placentia-Yorba Linda Unified School District for 1 CNG bus in an amount not to exceed \$180,500;
41. Pupil Transportation Cooperative for 1 CNG bus in an amount not to exceed \$180,500;
42. Redlands Unified School District for 2 CNG buses in an amount not to exceed \$361,000;
43. Rialto Unified School District for 2 CNG buses in an amount not to exceed \$361,000;
44. Rim of the World Unified School District for 1 CNG bus in an amount not to exceed \$166,500;
45. San Jacinto Unified School District for 2 CNG buses in an amount not to exceed \$361,000;
46. Santa Monica-Malibu Unified School District for 1 CNG bus in an amount not to exceed \$166,500;
47. Saugus Union School District for 1 propane bus in an amount not to exceed \$124,500;
48. Savanna Unified School District for 1 propane bus in an amount not to exceed \$124,500;
49. Temecula Valley Unified School District for 2 CNG buses in an amount not to exceed \$361,000;
50. Walnut Valley Unified School District for 1 CNG bus in an amount not to exceed \$180,500; and
51. Westminster Unified School District for 1 propane bus in an amount not to exceed \$129,500.

B. Authorize the Chairman to execute contracts with the following public school districts, and as shown in Table 2, to retrofit 6 diesel school buses with particulate traps in an amount not to exceed \$120,000 from the Carl Moyer Program AB 923 Fund (80):

1. Fullerton Joint Union High School District for 1 trap in an amount not to exceed \$20,000;
2. Huntington Beach Union High School District for 2 traps in amount not to exceed \$40,000;
3. La Habra City School District for 2 traps in an amount not to exceed \$40,000; and
4. Walnut Valley Unified School District for 1 trap in an amount not to exceed \$20,000.

Barry R. Wallerstein, D.Env.  
Executive Officer

MMM:FM

---

### **Background**

Since the commencement of the Lower-Emission School Bus Program in 2001, SCAQMD has spent over \$242 million in state and local funds to replace over 1,500 highly polluting school buses with alternative fuel buses and to retrofit over 2,800 school buses with particulate traps.

At its March 6, 2015 meeting, the Board approved the issuance of Program Announcement #PA2015-06 for the replacement of pre-1994 school buses with new alternative fuel buses and the retrofit of 1994 and newer school buses with particulate traps. By the June 5, 2015 closing date of the Program Announcement, 52 public school districts applied for 510 school bus replacements and 6 particulate traps. The City of Irwindale applied for two school buses, but it was not considered for award since it is neither a public school district nor a joint powers authority.

### **Outreach**

In accordance with SCAQMD's Procurement Policy and Procedure, a public notice advertising the PA and inviting bids was published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County's 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 SCAQMD's own electronic listing of certified minority vendors. Notice of the PA was emailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at SCAQMD's website (<http://www.aqmd.gov>).

**Proposal**

This action is to execute contracts for the replacement of 144 pre-1994 school buses with new alternative fuel buses and the retrofit of 6 particulate traps for 1994 and newer school buses as shown in Tables 1 and 2, respectively, for an amount not to exceed \$25,136,000 from the Carl Moyer Program AB 923 Fund (80).

Funding is distributed among the four counties of Los Angeles, Orange, Riverside and San Bernardino proportional to their populations per the 2010 census, as follows:

- Los Angeles: 59%
- Orange: 18%
- Riverside: 13%
- San Bernardino: 10%

Each applicant is recommended to receive at least one new alternative fuel school bus, and replacement of pre-1987 school buses is given priority within each county. School districts are required to provide \$15,000 per CNG bus and \$10,000 per propane bus as their local match.

SCAQMD will provide up to \$162,000 for a new CNG and \$120,000 for a new propane school bus. In addition, the SCAQMD will pay \$4,500 per bus for the option of fire suppressant. Furthermore, infrastructure funding of \$14,000 per CNG bus and \$5,000 per propane bus is recommended, if requested by the applicant.

**Benefits to SCAQMD**

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 SCAQMD Board.

**Resource Impacts**

Total funding for the recommended awards shall not exceed \$25,136,000 from the Carl Moyer Program AB 923 Fund (80).

**Attachments**

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**

#PA2015-06 A Applicant (USD)	County	Proposed Award	Pre-1987	Fuel Type	School Match (\$15,000/CNG bus)	Bus Award (\$162K/CNG, \$120K/Propane)	Fire Suppr. \$4,500/bus	Infrastructure	Total SCAQMD Award
ABC	LA	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Baldwin Park	LA	1	No	CNG	\$15,000	\$162,000	\$4,500	Not Requested	\$166,500
Bellflower	LA	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Bonita	LA	1	No	CNG	\$15,000	\$162,000	\$4,500	Not Requested	\$166,500
Covina Valley	LA	1	No	CNG	\$15,000	\$162,000	\$4,500	Not Requested	\$166,500
Downey	LA	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Los Angeles	LA	71	Yes	CNG	\$1,065,000	\$11,502,000	\$319,500	\$994,000	\$12,815,500
Montebello	LA	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Newhall	LA	1	No	Propane	\$10,000	\$120,000	\$4,500	\$5,000	\$129,500
Pupil Transportation	LA	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Santa Monica-Malibu	LA	1	No	CNG	\$15,000	\$162,000	\$4,500	Not Requested	\$166,500
Saugus Union	LA	1	No	Propane	\$10,000	\$120,000	\$4,500	Not Requested	\$124,500
Walnut Valley	LA	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
<b>Total LA Co.</b>		<b>83</b>				<b>\$13,362,000</b>	<b>\$373,500</b>	<b>\$1,083,000</b>	<b>\$14,818,500</b>
Anaheim City	OR	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Anaheim Union	OR	7	Yes	Propane	\$70,000	\$840,000	\$31,500	\$35,000	\$906,500
Capistrano	OR	2	No	CNG	\$30,000	\$324,000	\$9,000	\$28,000	\$361,000
Centralia	OR	1	Yes	Propane	\$10,000	\$120,000	\$4,500	\$5,000	\$129,500
Cypress	OR	1	No	CNG	\$15,000	\$162,000	\$4,500	Not Requested	\$166,500
Fountain Valley	OR	1	No	CNG	\$15,000	\$162,000	\$4,500	Not Requested	\$166,500
Fullerton Joint Union	OR	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Fullerton	OR	1	No	Propane	\$10,000	\$120,000	\$4,500	\$5,000	\$129,500
Garden Grove	OR	2	No	CNG	\$30,000	\$324,000	\$9,000	\$28,000	\$361,000
Huntington Beach City	OR	1	No	CNG	\$15,000	\$162,000	\$4,500	Not Requested	\$166,500
Huntington Beach Union	OR	2	No	CNG	\$30,000	\$324,000	\$9,000	\$28,000	\$361,000

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

#PA2015-06 A Applicant (USD)	County	Proposed Award	Pre- 1987	Fuel Type	School Match (\$15,000/ CNG bus)	Bus Award (\$162K/CNG, \$120K/Propane)	Fire Suppr. \$4,500/bus	Infrastructure	Total SCAQMD Award
La Habra City	OR	1	No	CNG	\$15,000	\$162,000	\$4,500	Not Requested	\$166,500
Los Alamitos	OR	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Newport-Mesa	OR	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Ocean View	OR	1	No	Propane	\$10,000	\$120,000	\$4,500	\$5,000	\$129,500
Orange	OR	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Placentia-Yorba Linda	OR	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Savanna	OR	1	No	Propane	\$10,000	\$120,000	\$4,500	Not Requested	\$124,500
Westminster	OR	1	No	Propane	\$10,000	\$120,000	\$4,500	\$5,000	\$129,500
<b>Total Orange Co.</b>		<b>28</b>				<b>\$4,032,000</b>	<b>\$126,000</b>	<b>\$244,000</b>	<b>\$4,381,000</b>
Beaumont	RV	2	No	CNG	\$30,000	\$324,000	\$9,000	\$28,000	\$361,000
Coachella Valley	RV	1	No	CNG	\$15,000	\$162,000	\$4,500	Not Requested	\$166,500
Desert Sands	RV	1	No	CNG	\$15,000	\$162,000	\$4,500	Not Requested	\$166,500
Hemet	RV	3	No	CNG	\$45,000	\$486,000	\$13,500	\$42,000	\$541,500
Murrieta Valley	RV	3	No	CNG	\$45,000	\$486,000	\$13,500	Not Requested	\$499,500
Nuvieu Union	RV	4	Yes	CNG	\$60,000	\$648,000	\$18,000	\$56,000	\$722,000
San Jacinto	RV	2	No	CNG	\$30,000	\$324,000	\$9,000	\$28,000	\$361,000
Temecula Valley	RV	2	No	CNG	\$30,000	\$324,000	\$9,000	\$28,000	\$361,000
<b>Total RV Co.</b>		<b>18</b>				<b>\$2,916,000</b>	<b>\$81,000</b>	<b>\$182,000</b>	<b>\$3,179,000</b>
Alta Loma	SB	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Bear Valley USD	SB	1	No	CNG	\$15,000	\$162,000	\$4,500	Not Requested	\$166,500
Chaffey Joint Union	SB	2	No	CNG	\$30,000	\$324,000	\$9,000	Not Requested	\$333,000
Chino Valley	SB	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Colton Joint	SB	1	No	CNG	\$15,000	\$162,000	\$4,500	\$14,000	\$180,500
Etiwanda	SB	1	No	CNG	\$15,000	\$162,000	\$4,500	Not Requested	\$166,500
Fontana	SB	2	No	CNG	\$30,000	\$324,000	\$9,000	\$28,000	\$361,000

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

#PA2015-06 A Applicant (USD)	County	Proposed Award	Pre- 1987	Fuel Type	School Match (\$15,000/ CNG bus)	Bus Award (\$162K/CNG, \$120K/Propane)	Fire Suppr. \$4,500/bus	Infrastructure	Total SCAQMD Award
Ontario-Montclair	SB	<b>1</b>	<b>No</b>	<b>CNG</b>	<b>\$15,000</b>	<b>\$162,000</b>	<b>\$4,500</b>	<b>\$14,000</b>	<b>\$180,500</b>
Redlands	SB	<b>2</b>	<b>No</b>	<b>CNG</b>	<b>\$30,000</b>	<b>\$324,000</b>	<b>\$9,000</b>	<b>\$28,000</b>	<b>\$361,000</b>
Rialto	SB	<b>2</b>	<b>No</b>	<b>CNG</b>	<b>\$30,000</b>	<b>\$324,000</b>	<b>\$9,000</b>	<b>\$28,000</b>	<b>\$361,000</b>
Rim of the World	SB	<b>1</b>	<b>No</b>	<b>CNG</b>	<b>\$15,000</b>	<b>\$162,000</b>	<b>\$4,500</b>	<b>Not Requested</b>	<b>\$166,500</b>
<b>Total SB Co.</b>		<b>15</b>				<b>\$2,430,000</b>	<b>\$67,500</b>	<b>\$140,000</b>	<b>\$2,637,500</b>
<b>Total, All Applicants</b>		<b>144</b>							<b>\$25,016,000</b>

**Table 2: Recommended Awards for PM Traps**

#PA2015-06 B Applicant	No. of Traps	County	Total SCAQMD Award
Fullerton Joint Union High School District	1	OR	\$20,000
Huntington Beach Union High School District	2	OR	\$40,000
La Habra City School District	2	OR	\$40,000
Walnut Valley Unified School District	1	LA	\$20,000
<b>Total</b>	<b>6</b>		<b>\$120,000</b>