Board Agenda Item

TO: Air Pollution Control District Board
FROM: Aeron Arlin Genet, Air Pollution Control Officer
CONTACT: Sara Hunt, Executive Assistant/Board Clerk (805-961-8853)
SUBJECT: District Grant Program Activity

RECOMMENDATION:

Receive and file the following:

1) Summary of the emission-reduction grant agreements approved by the Air Pollution Control Officer for the period of March 1, 2018 through April 30, 2018 in accordance with Board Resolution Number 09-14, including:
   a. Lompoc Unified School District – Lower Emission School Bus Program (Carl Moyer Program Year 19 State Reserve) [Six grant agreements];
   b. Durant Harvesting – Off-Road Equipment Replacement Program;
   c. Rancho Laguna Farms – Off-Road Equipment Replacement Program;
   d. Coastal Vineyard Care Associates – Off-Road Equipment Replacement Program;
   e. Santa Barbara Metropolitan Transit District – Electric Vehicle Charging Station Infrastructure Program;
   f. Goleta Water District – Electric Vehicle Charging Station Infrastructure Program; and


DISCUSSION:

Your Board expanded the authority of the Control Officer to issue grants for emission reduction projects up to $150,000 provided your Board had authorized an overall umbrella program for each type of project. The attached summary sheets describe the grants approved since our last report. In addition, an updated grant fund allocation report by city for the District’s Old Car Buy Back Program is being provided.

ATTACHMENTS:

- Grant Agreement Approval Forms
- Old Car Buy Back Program Update
GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer

Staff Contact: Jim Fredrickson

Date: March 22, 2018

Grant Program: Lower Emission School Bus Program (Carl Moyer Program Year 19 State Reserve)

GRANT INFORMATION

Grantee: Lompoc Unified School District

Grant Agreement Number: AP171802

Grant Agreement Amount: $90,413

Existing Equipment: 1990 Crown school bus - #15

New Equipment: 2018 Blue Bird school bus (diesel fueled)

Grant Cost-Effectiveness: $134,228

Program Limit: $276,230

Project Life: 5 Years

Project Lifetime Emission Reductions: 0.71

PROGRAM INFORMATION

Approved Program Budget: $3,759,228

Encumbered Grant Agreements: $2,816,538 (Including current Grant)

Current Program Balance: $ 942,690

Overall Program Cost-Effectiveness: Not applicable

Approved: [Signature]

Air Pollution Control Officer

Date: 22 Mar 18

Please contact the Board Clerk to review this grant agreement
GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Jim Fredrickson
Date: March 22, 2018
Grant Program: Lower Emission School Bus Program (Carl Moyer Program Year 19 State Reserve)

GRANT INFORMATION

Grantee: Lompoc Unified School District
Grant Agreement Number: AP171803
Grant Agreement Amount: $90,413
Existing Equipment: 1986 Crown school bus - #32
New Equipment: 2018 Blue Bird school bus (CNG fueled)
Grant Cost-Effectiveness: $181,683
Program Limit: $276,230
Project Life: 5 Years
Project Lifetime Emission Reductions: 0.55

PROGRAM INFORMATION

Approved Program Budget: $3,759,228
Encumbered Grant Agreements: $2,906,951 (Including current Grant)
Current Program Balance: $ 852,277
Overall Program Cost-Effectiveness: Not applicable

Approved: ___________________________ Date: 22 Mar 18
Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement
GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer

Staff Contact: Jim Fredrickson

Date: March 22, 2018

Grant Program: Lower Emission School Bus Program (Carl Moyer Program Year 19 State Reserve)

GRANT INFORMATION

Grantee: Lompoc Unified School District

Grant Agreement Number: AP171804

Grant Agreement Amount: $90,413

Existing Equipment: 1987 Crown school bus - #1

New Equipment: 2018 Blue Bird school bus (CNG fueled)

Grant Cost-Effectiveness: $181,683

Program Limit: $276,230

Project Life: 5 Years

Project Lifetime Emission Reductions: 0.55

PROGRAM INFORMATION

Approved Program Budget: $3,759,228

Encumbered Grant Agreements: $2,997,364 (Including current Grant)

Current Program Balance: $761,864

Overall Program Cost-Effectiveness: Not applicable

Approved: [Signature]

Air Pollution Control Officer

Date: 22 Mar 18

Please contact the Board Clerk to review this grant agreement
GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Jim Fredrickson
Date: March 22, 2018
Grant Program: Lower Emission School Bus Program (Carl Moyer Program Year 19 State Reserve)

GRANT INFORMATION

Grantee: Lompoc Unified School District
Grant Agreement Number: AP171805
Grant Agreement Amount: $90,413
Existing Equipment: 1988 Crown school bus - #21
New Equipment: 2018 Blue Bird school bus (CNG fueled)
Grant Cost-Effectiveness: $188,284
Program Limit: $276,230
Project Life: 5 Years
Project Lifetime Emission Reductions: 0.51

PROGRAM INFORMATION

Approved Program Budget: $3,759,228
Encumbered Grant Agreements: $3,087,777 (Including current Grant)
Current Program Balance: $ 671,451
Overall Program Cost-Effectiveness: Not applicable

Approved: [Signature]
Air Pollution Control Officer
Date: 22 Mar 18

Please contact the Board Clerk to review this grant agreement
GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer

Staff Contact: Jim Fredrickson

Date: March 22, 2018

Grant Program: Lower Emission School Bus Program (Carl Moyer Program Year 19 State Reserve)

GRANT INFORMATION

Grantee: Lompoc Unified School District

Grant Agreement Number: AP171806

Grant Agreement Amount: $90,413

Existing Equipment: 1988 Crown school bus - #14

New Equipment: 2018 Blue Bird school bus (CNG fueled)

Grant Cost-Effectiveness: $188,284

Program Limit: $276,230

Project Life: 5 Years

Project Lifetime Emission Reductions: 0.51

PROGRAM INFORMATION

Approved Program Budget: $3,759,228

Encumbered Grant Agreements: $3,178,190 (Including current Grant)

Current Program Balance: $ 581,038

Overall Program Cost-Effectiveness: Not applicable

Approved: [Signature]

Air Pollution Control Officer

Date: 22 Mar 18

Please contact the Board Clerk to review this grant agreement
GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Jim Fredrickson
Date: March 22, 2018
Grant Program: Lower Emission School Bus Program (Carl Moyer Program Year 19 State Reserve)

GRANT INFORMATION

Grantee: Lompoc Unified School District
Grant Agreement Number: AP171807
Grant Agreement Amount: $90,413
Existing Equipment: 1990 Crown school bus - #40
New Equipment: 2018 Blue Bird school bus (CNG fueled)
Grant Cost-Effectiveness: $188,284
Program Limit: $276,230
Project Life: 5 Years
Project Lifetime Emission Reductions: 0.51

PROGRAM INFORMATION

Approved Program Budget: $3,759,228
Encumbered Grant Agreements: $3,268,603 (Including current Grant)
Current Program Balance: $ 490,625
Overall Program Cost-Effectiveness: Not applicable

Approved: [Signature]  Date: 22 Mar 19
Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement
GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Jim Fredrickson
Date: March 6, 2018
Grant Program: Off-Road Equipment Replacement Program (Carl Moyer Program)

GRANT INFORMATION

Grantee: Durant Harvesting
Grant Agreement Number: AP171808
Grant Agreement Amount: $75,000
Existing Equipment: 1998 John Deere 8400 agricultural tractor w/Tier 1 engine
New Equipment: 2016 John Deere 6175R ag. tractor w/Tier 4 Final engine
Grant Cost-Effectiveness: $11,230/ton NOx+ROC+PM_{10}
Program Limit: $18,030/ton NOx+ROC+PM_{10}
Project Life: 3 Years
Project Lifetime Emission Reductions: 6.95 tons NOx+ROC+PM_{10}

PROGRAM INFORMATION

Approved Program Budget: $3,500,000
Encumbered Grant Agreements: $2,950,262 (Including current Grant)
Current Program Balance: $549,738
Overall Program Cost-Effectiveness: $11,387/ton NOx+ROC+PM_{10} (Including current Grant)

Approved: [Signature]
Air Pollution Control Officer
Date: 7 Mar 18

Please contact the Board Clerk to review this grant agreement
GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Jim Fredrickson
Date: March 22, 2018
Grant Program: Off-Road Equipment Replacement Program (Carl Moyer Program)

GRANT INFORMATION

Grantee: Rancho Laguna Farms
Grant Agreement Number: AP171809
Grant Agreement Amount: $75,000
Existing Equipment: 1998 Case IH MX 120 agricultural tractor w/Tier 1 engine
New Equipment: 2016 Kubota M7 agricultural tractor w/Tier 4 Final engine
Grant Cost-Effectiveness: $9,800/ton NOx+ROC+PM_{10}
Program Limit: $18,030/ton NOx+ROC+PM_{10}
Project Life: 3 Years
Project Lifetime Emission Reductions: 7.96 tons NOx+ROC+PM_{10}

PROGRAM INFORMATION

Approved Program Budget: $3,500,000
Encumbered Grant Agreements: $3,025,262  (Including current Grant)
Current Program Balance: $ 474,738
Overall Program Cost-Effectiveness: $11,329/ton NOx+ROC+PM_{10} (Including current Grant)

Approved: ____________________________  Date: 22 Mar 18
Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement
GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer

Staff Contact: Jim Fredrickson

Date: March 29, 2018

Grant Program: Off-Road Equipment Replacement Program (Carl Moyer Program)

GRANT INFORMATION

Grantee: Coastal Vineyard Care Associates

Grant Agreement Number: AP171813

Grant Agreement Amount: $33,116

Existing Equipment: 1998 John Deere 5310 agricultural tractor w/Tier 0 engine

New Equipment: 2018 John Deere 5090GN ag tractor w/Tier 4 Final engine

Grant Cost-Effectiveness: $14,224/ton NOx+ROC+PM_{10}

Program Limit: $18,030/ton NOx+ROC+PM_{10}

Project Life: 4 Years

Project Lifetime Emission Reductions: 2.45 tons NOx+ROC+PM_{10}

PROGRAM INFORMATION

Approved Program Budget: $3,500,000

Encumbered Grant Agreements: $3,058,378 (Including current Grant)

Current Program Balance: $ 441,622

Overall Program Cost-Effectiveness: $11,157/ton NOx+ROC+PM_{10} (Including current Grant)

Approved: Air Pollution Control Officer

Date: 29 Mar 18

Please contact the Board Clerk to review this grant agreement
GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Jim Fredrickson
Date: March 21, 2018
Grant Program: Electric Vehicle Charging Station Infrastructure Program (EV Program)

GRANT INFORMATION

Grantee: Santa Barbara Metropolitan Transit District
Grant Agreement Number: EVCS-012
Grant Agreement Amount: $4,000
New Equipment: One (1) ChargePoint CT4011 Level 2 charging station with a single charging port
Grant Cost-Effectiveness: Not Applicable for the EV Program
Program Limit: Not Applicable for the EV Program
Project Life: 3 Years
Project Lifetime Emission Reductions: Not Applicable for the EV Program

PROGRAM INFORMATION

Approved Program Budget: $300,000 (5/19/2011 and 12/17/2015)
Encumbered Grant Agreements: $215,528 (Including current Grant)
Current Program Balance: $ 84,472
Overall Program Cost-Effectiveness: Not Applicable for the EV Program

Approved: [Signature]  
Air Pollution Control Officer  
Date: 22 May 18

Please contact the Board Clerk to review this grant agreement
GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Alex Economou
Date: March 8, 2018
Grant Program: Electric Vehicle Charging Station Infrastructure Program (EV Program)

GRANT INFORMATION

Grantee: Goleta Water District
Grant Agreement Number: EVCS-015
Grant Agreement Amount: $10,000
New Equipment: One (1) ChargePoint CT4021 Level 2 charging station with dual charging ports
Grant Cost-Effectiveness: Not Applicable for the EV Program
Program Limit: Not Applicable for the EV Program
Project Life: 3 Years
Project Lifetime Emission Reductions: Not Applicable for the EV Program

PROGRAM INFORMATION

Approved Program Budget: $300,000 (5/19/2011 and 12/17/2015)
Encumbered Grant Agreements: $211,528 (Including current Grant)
Current Program Balance: $ 88,472
Overall Program Cost-Effectiveness: Not Applicable for the EV Program

Approved:
Air Pollution Control Officer
Date: 22 Mar 18

Please contact the Board Clerk to review this grant agreement
OLD CAR BUY BACK PROGRAM UPDATE

The District’s Old Car Buy Back Program currently pays Santa Barbara County vehicle owners $1,000 to voluntarily retire their fully legal and operational 1994 or older, light or medium duty car, truck, van, or SUV.

The three regional dismantlers earned $250 for each vehicle that they helped retire. Currently, the total program cost is $1,250 to retire a vehicle.

The program accelerates the improvement of air quality by removing high polluting vehicles from the fleet quicker than normal attrition. Funding for the program is derived from DMV registration surcharge revenue and Carl Moyer Program funds.

<table>
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<tr>
<th>VEHICLES RETIRED: JANUARY 1, 2018 THROUGH FEBRUARY 28, 2018</th>
<th>58</th>
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<tr>
<td>$ EXPENDED: [58 VEHICLES @ $1,250/VEHICLE]</td>
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<tr>
<td>TOTAL PROJECT TONS REDUCED [NOx + ROC + PM]:</td>
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VEHICLE OWNER LOCATION *

*For vehicles retired only from January 1, 2018 – February 28, 2018.