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) An update on the Old Car Buy Back Program for vehicles retired during the period of November 1, 2018 through December 31, 2018;

2) An update on the Woodsmoke Reduction Program for fireplace and stove replacement projects during the period of October 25, 2018 through February 28, 2018; and

3) Summary of the emission-reduction grant agreements approved by the Air Pollution Control Officer for the period of December 27, 2018 through March 5, 2019 in accordance with Board Resolution Number 09-14:

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, updated grant fund allocation reports by city for the District’s Old Car Buy Back Program as well as the Woodsmoke Reduction Program are being provided.

ATTACHMENTS:

A. Old Car Buy Back Program Update
B. Woodsmoke Reduction Program Update
C. Grant Agreement Approval Forms
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. On December 3, 2018, the District began accepting vehicles model year 1995 and older.

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 road, quicker than normal vehicle attrition. Funding for the program is derived from DMV registration surcharge revenue and Carl Moyer Program funds.

<table>
<thead>
<tr>
<th>VEHICLES RETIRED: NOVEMBER 1, 2018 THROUGH DECEMBER 31, 2018</th>
<th>45</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ EXPENDED: [45 VEHICLES @ $1,250/VEHICLE]</td>
<td>$56,250</td>
</tr>
<tr>
<td><strong>TOTAL PROJECT TONS REDUCED [NOx + ROC + PM]:</strong></td>
<td>4.08</td>
</tr>
</tbody>
</table>

**VEHICLE OWNER LOCATION *

*For vehicles retired only from November 1, 2018 – December 31, 2018.*
Woodsmoke Reduction Program Update

This voluntary program is designed to help households replace a wood-burning uncertified stove, fireplace insert, or fireplace used as a primary source of heat with a cleaner-burning and more efficient device. Applicants who meet low-income eligibility requirements may qualify for an Enhanced Incentive Voucher of up to $5,000. All other Applicants may qualify for the Standard Voucher of up to $1,000. Program funds come from California Climate Investments, a statewide initiative that puts Cap-and-Trade dollars to work.

The program improves air quality and mitigates neighborhood impacts by reducing the amount of woodsmoke emitted from fireplaces and wood stoves in the county, which accounts for about 33 percent of wintertime particulate matter (PM\textsubscript{2.5} and PM\textsubscript{10}) emissions. In addition to particulate matter, woodsmoke contains soot, dioxins, carbon dioxide, and volatile organic compounds. Breathing woodsmoke can reduce lung function, aggravate heart and lung diseases, and trigger asthma. The program also achieves reductions in black carbon, a short-lived climate pollutant emitted when wood burns.

### Fireplace and Stove Replacements October 25th 2018 – February 28th 2019

<table>
<thead>
<tr>
<th>Household Type</th>
<th>Vouchers Issued</th>
<th>Projects Completed</th>
<th>$ Expended</th>
<th>PM\textsubscript{2.5} (lbs) Reduced</th>
<th>Black Carbon (lbs) Reduced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Income</td>
<td>47</td>
<td>21</td>
<td>1</td>
<td>$108,387</td>
<td>53,475</td>
</tr>
<tr>
<td>Other</td>
<td>14</td>
<td>7</td>
<td>1</td>
<td>$8,000</td>
<td>13,864</td>
</tr>
<tr>
<td>Total</td>
<td>61</td>
<td>28</td>
<td>2</td>
<td>$116,387</td>
<td>67,339</td>
</tr>
</tbody>
</table>

### Project Location (All Issued Vouchers)

- Santa Maria: 31%
- Santa Barbara: 38%
- Guadalupe: 18%
- Carpinteria: 3%
- Buellton: 2%
- Lompoc: 6%
- Orcutt: 2%

### How Applicants Learned of Program

- Word of Mouth: 29
- Installer: 30
- Social Media: 19
- Other: 1
- APCD Website: 1
- Email: 1
GRANT AGREEMENT APPROVAL FORM

To: Air Pollution Control Officer
Staff Contact: Mike McKay
Date: March 12, 2019
Grant Program: 2018 Clean Air Grants Program

GRANT INFORMATION

Grantee: Boavista Farms
Grant Agreement Number: AP181904
Grant Agreement Amount: $55,000
Existing Equipment: 1996 Case IH 5240 agricultural tractor w/Tier 0 engine
New Equipment: 2017 New Holland TS6.120HC ag tractor w/Tier 4F engine
Grant Cost-Effectiveness: $4,819/ton NOx+ROC+PM_{10}
Program Limit: $30,000/ton NOx+ROC+PM_{10}
Project Life: 3 Years
Project Lifetime Emission Reductions: 11.67 tons NOx+ROC+PM_{10}

PROGRAM INFORMATION

Fiscal Year 2018-19 Budget: $1,826,628
Encumbered Grant Agreements: $55,000 (Including current Grant)
Current Program Balance: $1,771,628
Overall Program Cost-Effectiveness: $4,714/ton NOx+ROC+PM_{10} (Including current Grant)

Approved: [Signature]  Date: 12 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: Mike McKay

Date: March 12, 2019

Grant Program: Clean Air Grants Program

GRANT INFORMATION

Grantee: Durant Harvesting

Grant Agreement Number: AP181908

Grant Agreement Amount: $125,000

Existing Equipment: 2003 John Deere 8520RT agricultural tractor w/Tier 2 engine

New Equipment: 2018 John Deere 8320RT agricultural tractor w/Tier 4F engine

Grant Cost-Effectiveness: $29,691/ton NOx+ROC+PM_{10}

Program Limit: $30,000/ton NOx+ROC+PM_{10}

Project Life: 3 Years

Project Lifetime Emission Reductions: 4.28 tons NOx+ROC+PM_{10}

PROGRAM INFORMATION

Fiscal Year 2018-19 Budget: $1,826,628

Encumbered Grant Agreements: $180,000 (Including current Grant)

Current Program Balance: $1,646,628

Overall Program Cost-Effectiveness: $11,287/ton NOx+ROC+PM_{10} (Including current Grant)

Approved: [Signature]  Date: 12 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: Mike McKay
Date: March 12, 2019
Grant Program: Clean Air Grants Program

GRANT INFORMATION

Grantee: Swift Ranch
Grant Agreement Number: AP181909
Grant Agreement Amount: $140,000
Existing Equipment: 2008 Case 335 agricultural tractor w/Tier 3 engine
New Equipment: 2018 Case Magnum 250 agricultural tractor w/Tier 4F engine
Grant Cost-Effectiveness: $29,621/ton NOx+ROC+PM$_{10}$
Program Limit: $30,000/ton NOx+ROC+PM$_{10}$
Project Life: 3 Years
Project Lifetime Emission Reductions: 4.81 tons NOx+ROC+PM$_{10}$

PROGRAM INFORMATION

Fiscal Year 2018-19 Budget: $1,826,628
Encumbered Grant Agreements: $320,000 (Including current Grant)
Current Program Balance: $1,506,628
Overall Program Cost-Effectiveness: $15,419/ton NOx+ROC+PM$_{10}$ (Including current Grant)

Approved: ____________________________
Date: __________

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: Alex Economou

Date: February 5, 2019

Grant Program: School Bus Replacement and Retrofit Program

GRANT INFORMATION

Grantee: Orcutt Union School District

Grant Agreement Number: AP181912

Grant Agreement Amount: $125,000

Existing Equipment: 1990 Blue Bird All American diesel school bus

New Equipment: 2019 IC model RE39111 diesel school bus

Grant Cost-Effectiveness: $261,695/ton NOx+ROC+PM_{10}

Program Limit: $276,230/ton NOx+ROC+PM_{10}

Project Life: 7 Years

Project Lifetime Emission Reductions: 0.44 tons NOx+ROC+PM_{10}

PROGRAM INFORMATION

Fiscal Year 2018-19 Budget: $165,000

Encumbered Grant Agreements: $125,000 (Including current Grant)

Current Program Balance: $40,000

Overall Program Cost-Effectiveness: $261,695/ton NOx+ROC+PM_{10} (Including current Grant)

Approved: [Signature]  Date: 6 Mar '19

Air Pollution Control Officer

Please contact the Board Clerk to review this grant agreement