Projects and Contracts with Proposed Grant Awards over $100,000

Mobile Source Committee Meeting
June 18, 2020

Karen Schkolnick
Director, Strategic Incentives
Overview

• Background

• Proposed projects with awards over $100,000

• Incentive funding status update
  • Funding by revenue source
  • Awards by project type and county

• Recommended Actions
Carl Moyer Program (CMP)
- Created in 1998
- Administered in partnership with California Air Resources Board (CARB)

Mobile Source Incentive Fund (MSIF)
- Assembly Bill (AB) 923 (2004)
- Additional $2 motor vehicle registration fee surcharge

Community Health Protection (CHP)
- Senate Bill (SB) 856 (2018)

Funding Agricultural Replacement Measures for Emission Reductions (FARMER)
- FARMER established by CARB in 2018
CMP/MSIF, CHP, and FARMER
Project Recommendations over $100k

• Recommend $450,230 in awards for two (2) projects to:
  • Replace five (5) pieces of mobile, diesel powered agricultural equipment

• Emissions Reductions
  • Over 2.02 tons per year (TPY) of criteria pollutants
Transportation Fund for Clean Air (TFCA)

- Statutory authority set forth in California Health and Safety Code Sections 44241 and 44242
- Funding provided by a $4 surcharge on motor vehicles
Project Recommendations over $100k

• Recommend $1,171,000 in awards for two (2) projects to:
  • Upgrade 12.6 miles of Class II to Class IV bikeway
  • Install 520 electronic bicycle locker spaces

• Emissions Reductions
  • Over 0.566 TPY of criteria pollutants
Incentive Funding Awarded & Recommended Since July 2019, by Funding Source in Millions (M)

- **CMP/MSIF/CHP/FARMER ($52M)**: $49.97M
- **TFCA FYE 2020 ($32.3M)**: $14.38M
- **RFG ($1.2M)**: $1.11M

*Includes awards from FYE 2019*

**Mobile Source Committee Meeting**
**June 18, 2020**
Incentive Funding Awarded & Recommended by Project Category Since July 2019

Total = ~$65 M*

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light-duty Cars &amp; Infrastructure</td>
<td>$5.8 M</td>
</tr>
<tr>
<td>On-road Trucks &amp; Buses</td>
<td>$15.1 M</td>
</tr>
<tr>
<td>School Buses</td>
<td>$12.0 M</td>
</tr>
<tr>
<td>Off-road</td>
<td></td>
</tr>
<tr>
<td>Ag:</td>
<td>$5.7 M</td>
</tr>
<tr>
<td>Non-Ag:</td>
<td>$6.6 M</td>
</tr>
<tr>
<td>Off-road Marine &amp; Locomotive</td>
<td>$12.5 M</td>
</tr>
<tr>
<td>Trip Reduction</td>
<td>$7.8 M</td>
</tr>
</tbody>
</table>

*Includes awards from CMP/MSIF/CHP/FARMER, TFCA Regional Fund, and RFG

List of projects is shown in Attachments 2 & 3
Incentive Funding Awarded & Recommended by County Since July 2019

Total = $~65 M*

San Francisco: $8.6M, 13.2%
Alameda: $25.5M, 39.3%
Contra Costa: $9.8M, 15.1%
Marin: $501k, 0.8%
Sonoma: $5.7M, 8.7%
San Mateo: $2.6M, 3.9%
Santa Clara: $9.7M, 14.9%
Napa: $1.8M, 2.8%
Solano: $909k, 1.4%
Solano: $909k, 1.4%

List of projects is shown in Attachments 2 & 3

* Includes awards from CMP/MSIF/CHP/FARMER, TFCA Regional Fund, and RFG

Mobile Source Committee Meeting
June 18, 2020
## Status of Solicitations

<table>
<thead>
<tr>
<th>Program Name, Description, and Website</th>
<th>Status</th>
<th>Revenue Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carl Moyer Funding to replace heavy-duty on- &amp; off-road vehicles and equipment, marine engines, and locomotives <a href="http://www.baaqmd.gov/moyer">www.baaqmd.gov/moyer</a></td>
<td>Open</td>
<td>CMP, MSIF, CHP, FARMER</td>
</tr>
<tr>
<td>Community Health Protection Grant Program Funding to replace old, high-polluting vehicles and equipment <a href="http://www.baaqmd.gov/ab617grants">www.baaqmd.gov/ab617grants</a></td>
<td>Open</td>
<td>California Climate Investments</td>
</tr>
<tr>
<td>Lower-Emission School Bus Program Funding for bus replacements, engine repowers or electric conversions, natural gas tank replacements, and electric charging &amp; alternative fueling infrastructure projects <a href="http://www.baaqmd.gov/lesbp">www.baaqmd.gov/lesbp</a></td>
<td>Open</td>
<td>CMP, MSIF, CHP</td>
</tr>
<tr>
<td>Vehicle Buy Back Program Funding to scrap 1996 and older vehicles and equipment <a href="http://www.baaqmd.gov/vbb">www.baaqmd.gov/vbb</a></td>
<td>Open</td>
<td>MSIF</td>
</tr>
<tr>
<td>Clean Cars for All Funding for low-income owners to retire and replace their vehicles with a cleaner option <a href="http://www.baaqmd.gov/cleancarsforall">www.baaqmd.gov/cleancarsforall</a></td>
<td>Open</td>
<td>California Climate Investments</td>
</tr>
<tr>
<td>Climate Tech Finance Program Subsidized financing to help Bay Area facilities adopt emerging technologies that reduce greenhouse gas emissions <a href="http://www.baaqmd.gov/ctf">www.baaqmd.gov/ctf</a></td>
<td>Open</td>
<td>Ibank</td>
</tr>
</tbody>
</table>

**Mobile Source Committee Meeting**  
June 18, 2020
Recommended Actions

Recommend the Board of Directors:

1. Approve recommended projects with proposed grant awards over $100,000 as shown in Attachment 1; and

2. Authorize the Executive Officer/APCO to enter into all necessary agreements with applicants for the recommended projects.
Revise Allocation of Fiscal Year Ending (FYE) 2021 Transportation Fund for Clean Air (TFCA) Funding

Mobile Source Committee Meeting
June 18, 2020

Karen Schkolnick
Director, Strategic Incentives
Overview

• Background

• Proposed changes to FYE 2021
  • Increase Funding Allocation
  • Change Cost-Effectiveness limits

• Recommended Actions
TFCA Background

- **TFCA**
  - 60% (Air District)
  - 40% County Program Manager (CPM)

  - **Regional Fund**
    - Clean Air Vehicle
    - Trip Reduction
  - **Air District Sponsored**
    - Spare the Air
    - Enhanced Mobile Source & Commuter Benefits Enforcement
    - Vehicle BuyBack

Mobile Source Committee Meeting
June 18, 2020
<table>
<thead>
<tr>
<th>Program Categories</th>
<th>Approved Funds* (in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trip Reduction</td>
<td>$8.00</td>
</tr>
<tr>
<td><strong>Clean Air Vehicles</strong></td>
<td>$15.00</td>
</tr>
<tr>
<td>Spare the Air</td>
<td>$2.29</td>
</tr>
<tr>
<td><strong>Enhanced Mobile Source Inspections &amp; Commuter Benefits</strong></td>
<td>$0.15</td>
</tr>
<tr>
<td>Vehicle Buy Back</td>
<td>$0.30</td>
</tr>
<tr>
<td><strong>Sub-Total Funding for Projects and Programs</strong></td>
<td>$25.74</td>
</tr>
<tr>
<td>Admin &amp; Audit</td>
<td>$1.80</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$27.53</td>
</tr>
</tbody>
</table>

* If a program category is undersubscribed, the Executive Officer/APCO may reallocate up to 20% of each program category’s allocation to other categories based on demand, cost-effectiveness, and technology availability.
Clean Air Vehicles (Clean Cars for All)

Low-income residents* in communities disproportionately burdened by pollution** who turn in older vehicle

Advanced Technology
- Purchase or lease
- Hybrid, plug-in hybrid, electric vehicle, fuel cell electric vehicle
- Home charger or portable charger & public charging for plug-in and electric vehicles

Mobility Options
- Public Transit Card (PEX Visa)
  - Clipper, bike sharing
- Electric bicycles and carsharing (future options)

* ≤400% Federal Poverty Level
** CalEnviroScreen 3.0
## Clean Cars for All Funding

<table>
<thead>
<tr>
<th>Mobility Options</th>
<th>Hybrid</th>
<th>Plug-In Hybrid</th>
<th>Battery Electric</th>
<th>Fuel Cell Electric</th>
</tr>
</thead>
<tbody>
<tr>
<td>$7,500</td>
<td>$5,000 - $7,000</td>
<td>$5,500 - $9,500</td>
<td>$5,500 - $9,500</td>
<td>$5,500 - $9,500</td>
</tr>
</tbody>
</table>

### Volkswagen Settlement Funds

- **$4.25M Total**
- **$800K Available**
- Entire Bay Area

### TFCA

- **$4.25M Requested**
- Entire Bay Area

### Other Programs

- **CalEnviroscreen 3.0 Communities**
  - $7.65M Total
  - $2.8M Available

- **Entire Bay Area**
  - $4.25M Requested
  - $800K Available

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*Mobile Source Committee Meeting  
June 18, 2020*
Enhanced Mobile Source Inspections & Commuter Benefits

• Commuter Benefits Program (Air District Reg. 14, Rule 1)
  • Compliance assistance, education, & outreach
  • Monitoring & tracking

• Enhanced Mobile Source Inspections
  • Inspection patrols
  • Enforce state’s regulations around Port of Oakland
## Proposed Changes for FYE 2021

<table>
<thead>
<tr>
<th>Program Categories</th>
<th>Proposed Increase (in millions)*</th>
<th>Max C/E (per ton of emissions reduced)**</th>
<th>Max Project Operational Period (in years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Air Vehicles (Clean Cars for All)</td>
<td>$5.00</td>
<td>$500,000</td>
<td>3</td>
</tr>
<tr>
<td>Enhanced Mobile Source Inspections &amp; Commuter Benefits</td>
<td>$0.70</td>
<td>$500,000</td>
<td>1</td>
</tr>
</tbody>
</table>

* An additional $5.7 million in unobligated TFCA monies proposed to be reprogrammed for use in FYE 2021

** Consistent with limits adopted for other light-duty vehicle programs and trip-reduction services
Recommended Actions

Recommend the Board of Directors:

1. Approve the proposed increase to the allocation of Transportation Fund for Clean Air in FYE 2021, as shown in Table 2; and

2. Authorize the proposed change to cost-effectiveness limits for the Air District-sponsored programs and projects shown in Table 3.