Projects and Contracts with Proposed Awards over $100,000

Mobile Source Committee Meeting
October 19, 2020

Kenneth Mak
Supervising Staff Specialist
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 Program (CHP)
- AB 617 (2017)
- Funds distributed through the Community Health Protection Program

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

• Recommend $1,435,960 in awards for six projects to replace 10 pieces of diesel-powered:
  ✓ agricultural equipment
  ✓ school buses
  ✓ off-road construction vehicle
  ✓ heavy heavy-duty trucks

• Emissions Reductions
  ✓ Over 6.33 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 award of $116,000 to one project to:
  - Purchase four electric delivery vans and scrap six existing vehicles

- Emissions Reductions
  - Over 0.083 TPY of criteria pollutants
Incentive Funding Awarded & Recommended Since July 2020, by funding source in Millions (M)

Previously Awarded

Recommended

Previously Awarded and Recommended

Available

Mobile Source Committee Meeting
October 19, 2020
Incentive Funding Awarded & Recommended by Project Category Since July 2020

List of projects is shown in Attachments 2 & 3

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Awarded Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light-duty Cars &amp; Infrastructure</td>
<td>$6.3 M</td>
</tr>
<tr>
<td>On-road Trucks &amp; Buses</td>
<td>$0.5 M</td>
</tr>
<tr>
<td>School Buses</td>
<td>$0.3 M</td>
</tr>
<tr>
<td>Off-road</td>
<td></td>
</tr>
<tr>
<td>Ag: Off-road</td>
<td>$2 M</td>
</tr>
<tr>
<td>Non-Ag: Off-road</td>
<td>$0.2 M</td>
</tr>
<tr>
<td>Off-road Marine &amp; Locomotive</td>
<td>$0</td>
</tr>
<tr>
<td>Trip Reduction</td>
<td>$4.5 M</td>
</tr>
</tbody>
</table>

Total = ~$14 M*

*Includes CMP/MSIF/CHP/FARMER and TFCA Regional Fund

Bay Area Air Quality Management District

Mobile Source Committee Meeting
October 19, 2020
Incentive Funding Awarded & Recommended by County Since July 2020

List of projects is shown in Attachments 2 & 3

Total = $~14 M*

- Sonoma: $1.6M, 11.4%
- Alameda: $2.5M, 18.5%
- Contra Costa: $1.7M, 12.2%
- Marin: $351k, 2.6%
- Napa: $1.1M, 7.8%
- Solano: $801k, 5.8%
- San Francisco: $768k, 5.6%
- Alameda: $2.5M, 18.5%
- Santa Clara: $3.2M, 23.4%
- Solano: $801k, 5.8%
- Sonoma: $1.6M, 11.4%
- San Mateo: $1.7M, 12.7%

Legend
- CARE Area

24% in CARE
39% in disadvantaged or low-income communities

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

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Bay Area Air Quality Management District
## Incentive Funding Offered by Air District

<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>Goods Movement Program funding to upgrade or replace diesel freight movement equipment, including trucks, locomotives, transportation refrigeration units, cargo handling equipment, and shore power equipment, within California’s trade corridors [<a href="http://www.baaqmd.gov/go">www.baaqmd.gov/go</a>]</td>
<td>Opening soon</td>
<td>GMP</td>
</tr>
<tr>
<td>Vehicle Buy Back Program Funding to scrap 1997 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>
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.
Proposed Updates to the Transportation Fund for Clean Air County Program Manager Fund Policies for Fiscal Year Ending 2022

Mobile Source Committee Meeting
October 19, 2020

Hannah Cha
Staff Specialist
Overview

- Background

- Proposed updates to County Program Manager (CPM) Policies for Fiscal Year Ending (FYE) 2022
  - Outreach process
  - Summary of proposed updates
  - Next steps

- Recommended Action
Transportation Fund for Clean Air (TFCA)

- TFCA funding authorized by State Legislature to help reduce on-road mobile source emissions
- $4 motor vehicle registration surcharge fee with 40% of funds distributed to the nine Bay Area congestion management agencies
- Staff brings updates to TFCA CPM policies to Air District Board of Directors annually for approval
Tentative Timeline for Update to FYE 2022 Policies

- **April**: Draft policies issued for comment
- **June**: Mobile Source Committee considers recommendation
- **July**: Board of Directors considers for adoption
- **October**: Policy Guidance issued
- **August**: Workgroup meetings with CPMs

*Mobile Source Committee Meeting
October 19, 2020

Bay Area Air Quality Management District*
Summary of Proposed Updates for FYE 2022

General Policies

- Increase cost-effectiveness threshold (#2) for four project categories
  - Alternative Fuel Infrastructure
  - Shuttle/Feeder Bus Service
  - Infrastructure Improvements for Trip Reduction
  - Arterial Management

- Allow more time for sponsors to commence (#6)
Summary of Proposed Updates for FYE 2022
Clean Air Vehicles and Trip Reduction

#22 – Alternative Fuel Light- and Medium-Duty Vehicles

#24 – Alternative Fuel Heavy-Duty Trucks and Buses

#25 – On-Road Truck Replacements

#26 – Alternative Fuel Infrastructure

#27 – Existing Ridesharing Services

#28 – Existing Shuttle/Feeder Bus Service

#29 – Pilot Projects

#30 – Bicycle Projects

#31 – Bikeshare

#32 – Arterial Management

#33 – Infrastructure Improvements for Trip Reduction

#34 – Telecommuting

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October 19, 2020
## Coordination with CPMs on Policies

<table>
<thead>
<tr>
<th>Comments Received</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove proposed ridesharing language</td>
<td>✓</td>
</tr>
<tr>
<td>Clarify 10% match funds language</td>
<td>✓</td>
</tr>
<tr>
<td>Remove bike project environmental review</td>
<td>✓</td>
</tr>
<tr>
<td>Increase Arterial Management CE to $250,000</td>
<td>✓</td>
</tr>
<tr>
<td>Proposed new telecommuting project category</td>
<td>✓</td>
</tr>
<tr>
<td>E-bikes to be funded as a vehicle</td>
<td>✓</td>
</tr>
</tbody>
</table>

- **Extend readiness policy timeline**
- **Environmental review for bike and infrastructure**
- **E-bikes other than service and vehicle replacement**

Continue Discussion
Recommended Action

Recommend the Board of Directors approve the proposed updates to the Transportation Fund for Clean Air County Program Manager Fund Policies for Fiscal Year Ending 2022.
Allocation of Mobile Source Incentive Funds for Electric Vehicle Charging Projects

Mobile Source Committee Meeting
October 19, 2020

Mark Tang
Staff Specialist
Technology Implementation Office
Overview

• Background
• Charge! Program
• Recommended Action
Mobile Source Incentive Fund (MSIF)

- Assembly Bill (AB) 923 (2004)
- Additional $2 motor vehicle registration fee surcharge

Transportation Fund for Clean Air (TFCA)

- California Health and Safety Code Sections 44241 and 44242
- Funding provided by a $4 surcharge on motor vehicle registrations
## Charge! Program

### Targeted Funding Opportunities

<table>
<thead>
<tr>
<th>Level 1</th>
<th>$750</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level 2</td>
<td>$3,000</td>
</tr>
<tr>
<td>DC Fast</td>
<td>$18,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Solar</th>
<th>$1/W up to $4,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-port</td>
<td>$1,000 per additional port</td>
</tr>
<tr>
<td>Transportation Corridor</td>
<td>$7,000</td>
</tr>
</tbody>
</table>

| Multi-unit Dwellings | $4,000 per charger |

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**FYE 2019**
Charge! Facility Types

Highlights

Multi-unit Dwelling (MUD) 582%

Transportation 1,500% Corridors
Bay Area Electric Vehicle Chargers

Charge Program - Projects as of September 2020

Publicly Available Charging Stations
U.S., DOE - Alternative Fuels Data Center Station Locator

Legend
- Charge Program Projects

Legend
- Level 1 Stations
- Level 2 Stations
- DC Fast Stations
$6 Million Proposed

• $5 Million (M) - TFCA
  • Region-wide projects similar to Fiscal Year Ending (FYE) 2019 program

• $1 M - MSIF
  • Add flexibility to reduce the barriers for MUD operators in AB 617 communities

• Projects solicited and selected through a competitive bid process
Recommended Action

Recommend the Board of Directors:

Allocate $1 Million in Mobile Source Incentive Funds (MSIF) for electric vehicle charging projects at multi-unit dwellings in AB 617 communities.