Mission Statement, Climate Agenda, and Schedule for 2021

Mobile Source and Climate Impacts Committee Meeting
March 25, 2021

Damian Breen
Senior DEO – Operations
dbreen@baaqmd.gov
• Review the mission statement for the Mobile Source and Climate Impacts Committee;

• Discuss how the Air District’s Mobile Source Climate Agenda will be integrated into the Committee’s 2021 work; and

• Approve the calendar for its 2021 Meeting Schedule.
• Background
• Previous Committees’ Mission Statements
  ▪ Mobile Source
  ▪ Climate Protection
• Mission Statement
• Climate Agenda Integration
• Proposed Committee Calendar
1. Approve the calendar for the 2021 Meeting Schedule.
Background

• February 3, 2021 - “Mobile Source” and “Climate Protection Committees” merged to form the new “Mobile Source and Climate Impacts Committee”.

• New Committee Structure
  ▪ 2 Co-Chairperson
  ▪ 1 Vice-Chairperson

• Calendar required to show each Committee’s 2021 work schedule
Previous Committee’s Mission Statements

**Mobile Source Committee:** “…reviews and recommends District policies and positions on transportation planning and funding, on-road and off-road mobile sources, and mobile source fuels. The committee stays informed on current and proposed actions by local, regional, state, and federal agencies related to mobile source emissions…”

**Climate Protection Committee:** “…reviews the Air District’s climate protection policies, activities, and funding, and makes applicable recommendations to the Board of Directors. The committee stays informed on current and proposed climate protection actions by local, regional, state, federal, and international agencies and organizations…”
Mission Statement

Mobile Source and Climate Impacts Committee: “…will consider and recommend policies and positions of the District relating to transportation planning and funding, on-road and off-road mobile sources, and mobile source fuels. The Committee will keep itself informed on actions or proposed actions by local, regional, state and federal agencies affecting air pollutant emissions from mobile sources.

The Committee will also consider and recommend to the Board of Directors policies and positions of the District relating to climate protection activities and funding relative to mobile sources. The Committee will keep itself informed on actions and proposed actions by local, regional, state, federal, and international agencies and organizations relating to climate protection relative to mobile sources…”
Climate - Funding for Electric Vehicles (EVs)

Charge!
Grants for publicly accessible electric vehicle infrastructure

Incentive Programs

Grants for low-income residents to trade in cars for cleaner transportation

Loans and loan guarantees for facilities adopting climate technologies
Climate - Funding for Cleaner Vehicles and Trip Reduction

- Light-duty Vehicles
- Med- & Heavy-duty Trucks & Buses
- Fueling & Charging Infrastructure
- Vehicle BuyBack
- Enhanced Mobile Source Inspections
- Clean Air Vehicles & Equipment
- Trip Reduction
- Shuttles & Rideshare
- Mobility on Demand and Micro-mobility
- Biking & Walking
- Spare the Air
- Commuter Benefits Program

$13.63 million proposed for Fiscal Year Ending (FYE) 2021

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Climate - Reducing GHGs from Transportation

Light Duty Vehicles

Technology Interventions

Charge!

Land use Interventions

• Close collaboration with Metropolitan Transportation Committee (MTC) staff on developing and implementing Plan Bay Area

• Update California Environmental Quality Act (CEQA) guidelines

• Evaluate pricing on Assembly Bill (AB) 617 communities
Reducing GHGs from Transportation (cont.)

**Heavy Duty Vehicles & Equipment**

- Technical Assistance: Asset inventories, webinars
- Policy Support: Individualized resource plans
- Summer Intern to work directly with local government staff
- Collaborate with California Air Pollution Control Officers Association (CAPCOA), California Air Resources Board (CARB), and California Energy Commission (CEC) on fossil free back up power
Statewide and National Coordination

Coordination on wide-ranging policy and practice topics
## Committee Calendar

<table>
<thead>
<tr>
<th>Month</th>
<th>Topics</th>
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</thead>
</table>
| March | - Projects and Contracts with Proposed Grant Awards Over $100,000  
- FYE 2022 TFCA Funding Allocation  
- Committee Calendar, Mission and Climate Focus |
| April | - Projects and Contracts with Proposed Grant Awards Over $100,000  
- FYE 2022 TFCA County Program Manager Expenditure Plans  
- TFCA Audit (CPM, AD sponsored Programs) |
| May   | - Projects and Contracts with Proposed Grant Awards Over $100,000  
- Updates to the TFCA Regional Fund Policies and Evaluation Criteria for FYE 2022  
- Plan Bay Area Implementation Plan  
- Proposed CEQA thresholds for GHG (if not presented in May, can be carried over to June) |
| June  | - Projects and Contracts with Proposed Grant Awards Over $100,000  
- Acceptance of 2021 Greenhouse Gas Reduction Funds and other Monies from the California Air Resources Board (FARMER/CAP)  
- Update on Bay Area Transit Picture  
- Proposed CEQA thresholds for GHG (if not presented in May, can be carried over to June) |
| July  | - Projects and Contracts with Proposed Grant Awards Over $100,000 (Will go to BOD if meetings are scheduled) |
## Committee Calendar Cont’d

<table>
<thead>
<tr>
<th>Month</th>
<th>Events</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>August</strong></td>
<td>• Projects and Contracts with Proposed Grant Awards Over $100,000 (Will go to BOD if no meetings are scheduled)</td>
</tr>
<tr>
<td><strong>September</strong></td>
<td>• Projects and Contracts with Proposed Grant Awards Over $100,000</td>
</tr>
<tr>
<td></td>
<td>• Final proposed Plan Bay Area</td>
</tr>
<tr>
<td></td>
<td>• Preview of TFCA County Program Manager Fund Policies for FYE 2022</td>
</tr>
<tr>
<td><strong>October</strong></td>
<td>• Projects and Contracts with Proposed Grant Awards Over $100,000</td>
</tr>
<tr>
<td></td>
<td>• Proposed Updates to the TFCA County Program Manager Fund Policies for FYE 2022</td>
</tr>
<tr>
<td></td>
<td>• Diesel Free by ’33 Update and Case Studies</td>
</tr>
<tr>
<td><strong>November/December</strong></td>
<td>• Projects and Contracts with Proposed Grant Awards Over $100,000</td>
</tr>
<tr>
<td></td>
<td>• Report on Transportation Fund for Clean Air Projects Expenditures and Effectiveness for FYE 2020</td>
</tr>
<tr>
<td></td>
<td>• Transportation Fund for Clean Air Program Regional Fund Projects - Audit #22 Results</td>
</tr>
</tbody>
</table>
Topics to be added as they are ready:

• Update on USEPA-NTSB “SAFER” Regulation

• Update on State and Federal Rulemakings

• Incentives and Equity

• EV Action Plan
Recommend the Committee:

1. Approve the calendar for the 2021 Meeting Schedule.
Projects and Contracts with Proposed Awards over $100,000

Mobile Source and Climate Impacts Committee Meeting
March 25, 2021

Chengfeng Wang
Air Quality Program Manager
cwang@baaqmd.gov
Outcome

Provide status update of grant funds awarded since July 1, 2020 and obtain Committee’s support and approval to forward the recommended projects to the full Board Directors for approval.
Outline

• Background
• Proposed projects with awards over $100,000
• Status of incentive funding
  • Revenue sources
  • Community benefits & project locations
• Recommended Actions
Requested 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.
| Carl Moyer Program (CMP) | Mobile Source Incentive Fund (MSIF) | Community Health Protection Program (CHP) | Funding Agricultural Replacement Measures for Emission Reductions (FARMER) |
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
• Recommend $2,284,004 in awards for seven projects to replace 12 pieces of diesel-powered:
  ✓ Agricultural Equipment
  ✓ Marine Vessel
  ✓ School Buses & Charging Infrastructure
  ✓ Proposing $204,598 in TFCA Match

• Emissions Reductions
  ✓ Over 7.6 tons per year (tpy) of criteria pollutants
• Recommend $204,598 in TFCA funds as match for CMP project 22SBP14 = 2 buses and charging infrastructure

<table>
<thead>
<tr>
<th>Total Project Cost</th>
<th>$827,154</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proposed CMP/CHP/MSIF Award</td>
<td>$622,556</td>
</tr>
<tr>
<td>Proposed TFCA Award (1 bus only)</td>
<td>$204,598</td>
</tr>
<tr>
<td>Total Proposed Award (TFCA and CMP)</td>
<td>$827,154</td>
</tr>
</tbody>
</table>

• Emissions Reductions will be attributed to CMP
Incentive Funding Awarded & Recommended Since July 2020 by Revenue Source (in Millions)

- $16 CMP/CHP/FARMER
- $17 TFCA Regional Funds FYE 2021

Previously Awarded

Recommended

Previously Awarded and Recommended

Available
## Funds Awarded & Recommended Since July 2020 by Project Category (in Millions)

<table>
<thead>
<tr>
<th>Project Category</th>
<th>Total Awarded (in Millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light-duty Cars &amp; Infrastructure</td>
<td>$11.3</td>
</tr>
<tr>
<td>On-road Trucks &amp; Buses</td>
<td>$1.1</td>
</tr>
<tr>
<td>School Buses</td>
<td>$2.4</td>
</tr>
<tr>
<td>Off-road</td>
<td>$7.2</td>
</tr>
<tr>
<td>Off-road Marine &amp; Rail</td>
<td>$5.9</td>
</tr>
<tr>
<td>Trip Reduction</td>
<td>$4.7</td>
</tr>
</tbody>
</table>

Total = ~$33 M

List of projects is shown in Attachments 2 & 3.

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Mobile Source and Climate Impacts Committee
March 25, 2021

Bay Area Air Quality Management District
Funds Awarded & Recommended Since July 2020 (in Millions)

Sonoma
$3.3, 10.1%

Marin
$1.1, 3.4%

San Francisco
$1.1, 3.5%

San Mateo
$3.9, 12%

Napa
$2.4, 7.5%

Solano
$1.8, 5.6%

Contra Costa
$2.6, 8.1%

Alameda
$9.9, 30.6%

Santa Clara
$6.2, 19.1%

~$33 Million Awarded

~73% to CARE areas, disadvantaged and low-income communities, and low-income residents

Mobile Source and Climate Impacts Committee
March 25, 2021

Bay Area Air Quality Management District
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.
Transportation Fund for Clean Air Allocation Fiscal Year Ending 2022

Mobile Source and Climate Impacts Committee Meeting
March 25, 2021

Ken Mak
Supervising Staff Specialist
kmak@baaqmd.gov
Approval of proposed allocation of new revenues, approval of proposed cost-effectiveness requirements for Air District sponsored programs, and authorization for the Executive Officer/APCO to enter into funding agreements and contracts for projects that are awarded up to $100,000 in Transportation Fund for Clean Air program revenues in fiscal year ending 2022.
Outline

• Background on Transportation Fund for Clean Air (TFCA)
• Proposed for fiscal year ending (FYE) 2022
  • Allocation of new and remaining revenues for Regional Fund and Air District-sponsored programs
  • Cost-effectiveness limits for Air District-sponsored programs
• Feedback Requested/Prompt
Requested Action

Recommend Board of Directors:

1. Approve the proposed allocation of the estimated new Transportation Fund for Clean Air, or TFCA, monies to the programs and projects listed in Table 1;

2. Authorize the proposed cost-effectiveness limits for the Air District-sponsored programs and projects listed in Table 2; and

3. Authorize the Executive Officer/APCO to enter into funding agreements and contracts up to $100,000 for projects and programs listed in Table 1.
TFCA Background

• $4 motor vehicle registration fee surcharge since 1991
• Funds eligible projects that reduce on-road motor vehicle emissions
• Air District Board of Directors approves policies and cost-effectiveness (C/E) criteria annually
Strategies for Reducing Emissions

Clean Air Vehicles
- Zero- and near zero emissions cars trucks and buses
- Fueling & charging infrastructure
- Vehicle Buy-Back
- Enhanced Mobile Source Inspections

Trip Reduction
- Last-mile connection services
- Rideshare
- Biking & Walking
- Outreach and Education:
  - Spare the Air
  - Commuter Benefits Program
  - Flex Your Commute
# Proposed FYE 2022 TFCA Funding Allocation

<table>
<thead>
<tr>
<th>Program Categories</th>
<th>New $ (millions)</th>
<th>Carryover (millions)</th>
<th>Total $ Available (millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trip Reduction</td>
<td>$4.25</td>
<td>$7.00</td>
<td>$11.25</td>
</tr>
<tr>
<td>Clean Air Vehicles</td>
<td>$6.00</td>
<td>$9.50</td>
<td>$15.50</td>
</tr>
<tr>
<td>Air District Sponsored Programs</td>
<td>$2.64</td>
<td>$0.00</td>
<td>$2.64</td>
</tr>
<tr>
<td><strong>Subtotal for programs &amp; projects</strong></td>
<td><strong>$12.89</strong></td>
<td><strong>$16.50</strong></td>
<td><strong>$29.39</strong></td>
</tr>
<tr>
<td>Admin &amp; Audit</td>
<td>$1.69</td>
<td>$0.00</td>
<td>$1.69</td>
</tr>
<tr>
<td><strong>Total funding estimated for FYE 22</strong></td>
<td><strong>$14.58</strong></td>
<td><strong>$16.50</strong></td>
<td><strong>$31.08</strong></td>
</tr>
</tbody>
</table>
Trip Reduction
$11.25 Million

Bicycle Facilities
- Bikeways
- Secure bicycle parking

Infrastructure Improvements to expand access to mass transit (new!)

Last-Mile Commuter Connections
Clean Air Vehicles
$15.5 Million

Zero-Emission Vehicles
• Car, trucks, and bus fleets
• Electric & hydrogen infrastructure

Clean Cars for All
Air District-Sponsored Programs
$2.64 Million

Outreach and Education:
- ✓ Spare the Air
- ✓ Flex Your Commute
- ✓ Commuter Benefits Program

Enhanced Mobile Source Inspections

Vehicle Buy Back (direct mail costs only)
# Proposed Cost Effectiveness

## Air District-Sponsored Programs

<table>
<thead>
<tr>
<th>Program Categories</th>
<th>Max. C/E (per ton of emissions reduced)</th>
<th>Project Operational Period (in Years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spare the Air, Flex Your Commute, and Commuter Benefits</td>
<td>$500,000</td>
<td>1</td>
</tr>
<tr>
<td>Enhanced Mobile Source Inspections</td>
<td>$500,000</td>
<td>1</td>
</tr>
<tr>
<td>Clean Cars for All</td>
<td>$500,000</td>
<td>3</td>
</tr>
<tr>
<td>Vehicle Buy Back (direct mail)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Cost Effectiveness (C/E) Evaluation of Air District Sponsored Programs

\[
C/E = \frac{\text{Sum of TFCA funds awarded to Air District Sponsored Programs: Spare the Air + Flex Your Commute + Commuter Benefits}}{\text{Emissions reduced from Air District Sponsored Programs minus emissions reduced from other TFCA-funded programs and projects}}
\]
FYE 2022 TFCA Timeline

Regional Fund

January

Allocation

Issue Draft Policies for Public Comment

July

Develop guidance & application materials

Air District-Sponsored

• Allocation

• Adopt C/E

December

Implement programs

June

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Bay Area Air Quality Management District
Recommend Board of Directors:

1. Approve the proposed allocation of the estimated new Transportation Fund for Clean Air, or TFCA, monies to the programs and projects listed in Table 1;

2. Authorize the proposed cost-effectiveness limits for the Air District-sponsored programs and projects listed in Table 2; and

3. Authorize the Executive Officer/APCO to enter into funding agreements and contracts up to $100,000 for projects and programs listed in Table 1.