



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

AGENDA: 3

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



**CLEAN CARS
FOR ALL**

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

Incentive Programs



Loans and loan guarantees for facilities adopting climate technologies

Climate - Funding for Cleaner Vehicles and Trip Reduction



Climate - Reducing GHGs from Transportation



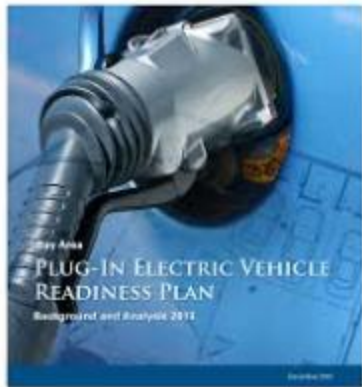
Light Duty Vehicles

Technology Interventions

Charge!



**CLEAN CARS
FOR ALL**



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



March	<ul style="list-style-type: none">• Projects and Contracts with Proposed Grant Awards Over \$100,000• FYE 2022 TFCA Funding Allocation• Committee Calendar, Mission and Climate Focus
April	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Projects and Contracts with Proposed Grant Awards Over \$100,000 (Will go to BOD if meetings are scheduled)

Committee Calendar Cont'd



August	<ul style="list-style-type: none">• Projects and Contracts with Proposed Grant Awards Over \$100,000 (Will go to BOD if no meetings are scheduled)
September	<ul style="list-style-type: none">• Projects and Contracts with Proposed Grant Awards Over \$100,000• Final proposed Plan Bay Area• Preview of TFCA County Program Manager Fund Policies for FYE 2022
October	<ul style="list-style-type: none">• Projects and Contracts with Proposed Grant Awards Over \$100,000• Proposed Updates to the TFCA County Program Manager Fund Policies for FYE 2022• Diesel Free by '33 Update and Case Studies
November/December	<ul style="list-style-type: none">• Projects and Contracts with Proposed Grant Awards Over \$100,000• Report on Transportation Fund for Clean Air Projects Expenditures and Effectiveness for FYE 2020• Transportation Fund for Clean Air Program Regional Fund Projects - Audit #22 Results

Committee Calendar Cont'd



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

Feedback Requested/Prompt



Recommend the Committee:

1. Approve the calendar for the 2021 Meeting Schedule.



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AGENDA: 4

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

Mobile Source and Climate Impacts
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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.

CMP/MSIF, CHP, and FARMER



**Carl Moyer
Program
(CMP)**

**Mobile Source
Incentive
Fund (MSIF)**

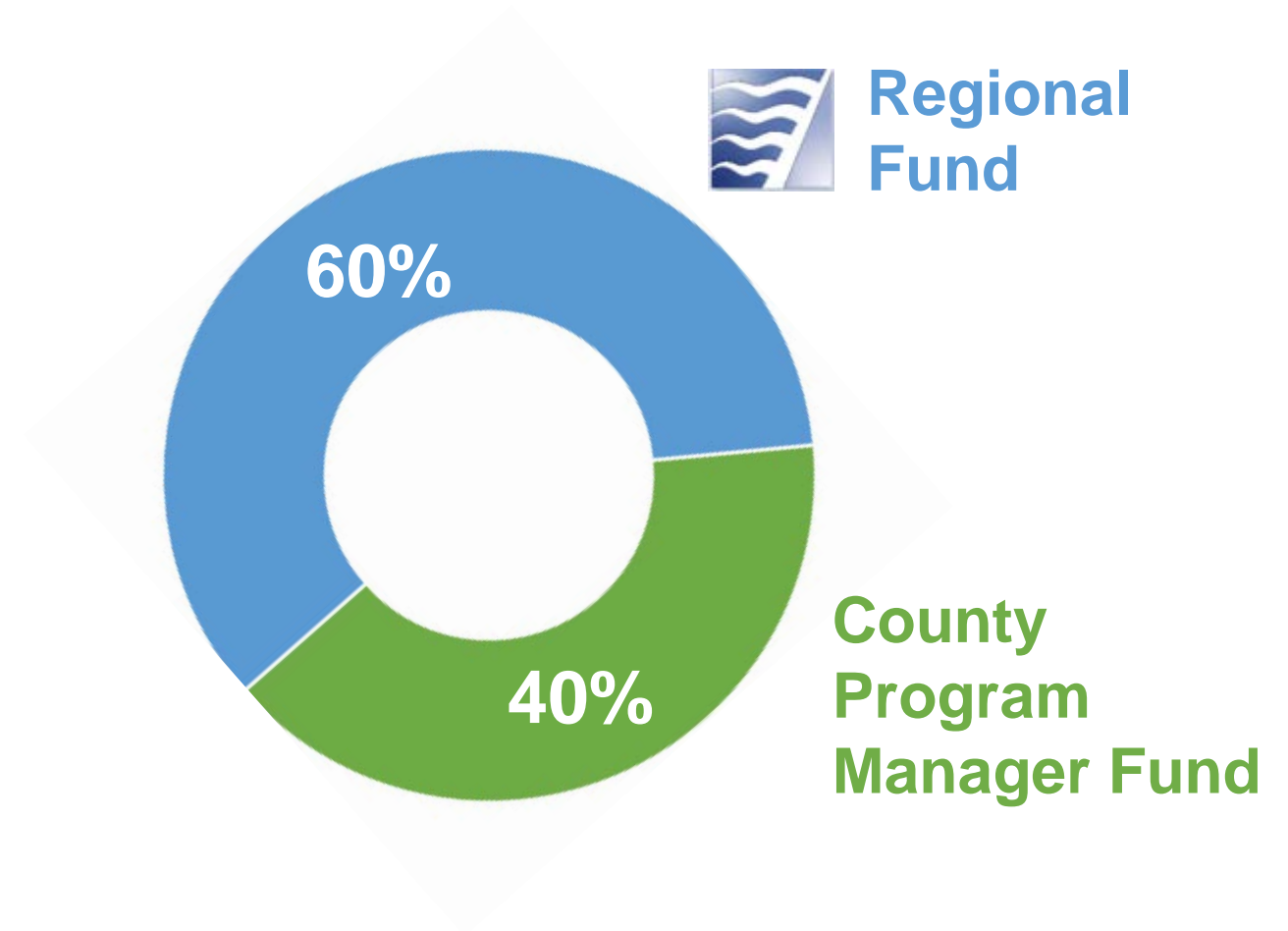
**Community
Health
Protection
Program (CHP)**

**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



CMP/MSIF, CHP, and FARMER



- **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



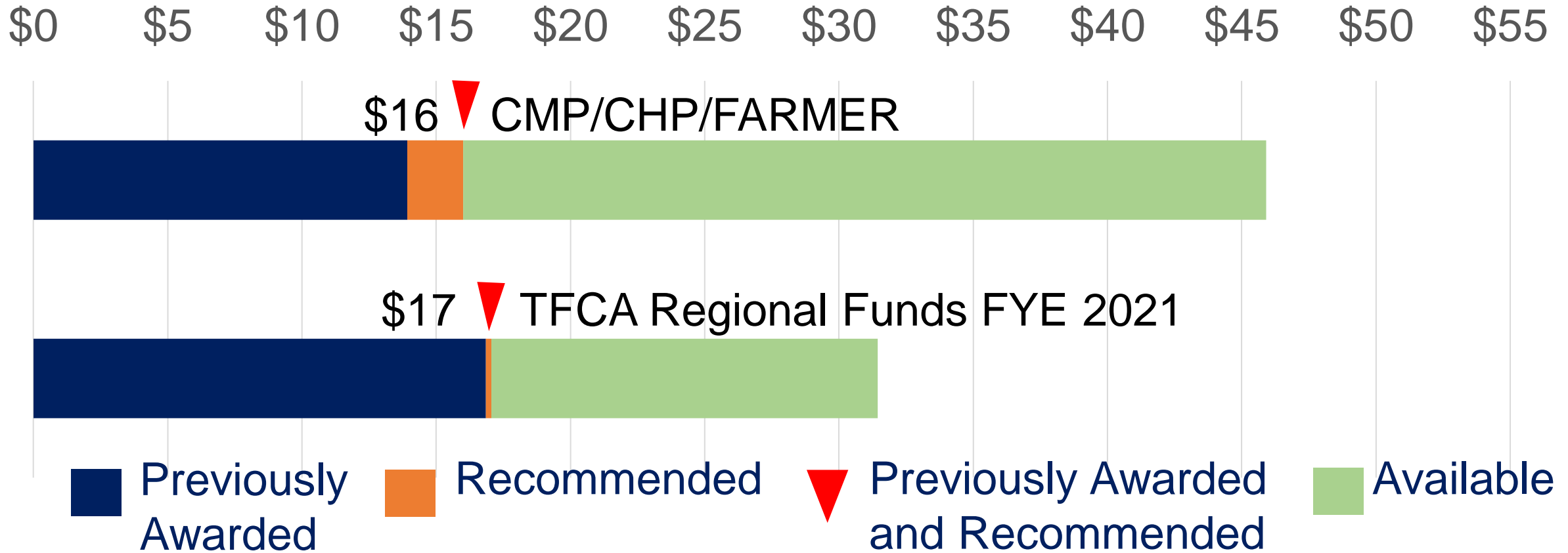


- **Recommend \$204,598 in TFCA funds as match for CMP project 22SBP14 = 2 buses and charging infrastructure**

Total Project Cost	\$827,154
Proposed CMP/CHP/MSIF Award	\$622,556
Proposed TFCA Award (1 bus only)	\$204,598
Total Proposed Award (TFCA and CMP)	\$827,154

- **Emissions Reductions will be attributed to CMP**

Incentive Funding Awarded & Recommended Since July 2020 by Revenue Source (in Millions)



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



Total = ~\$33 M

List of projects is shown in Attachments 2 & 3



**Light-duty
Cars &
Infrastructure**

**On-road
Trucks &
Buses**

**School
Buses**

Off-road

**Off-road
Marine &
Rail**

**Trip
Reduction**

\$11.3

\$1.1

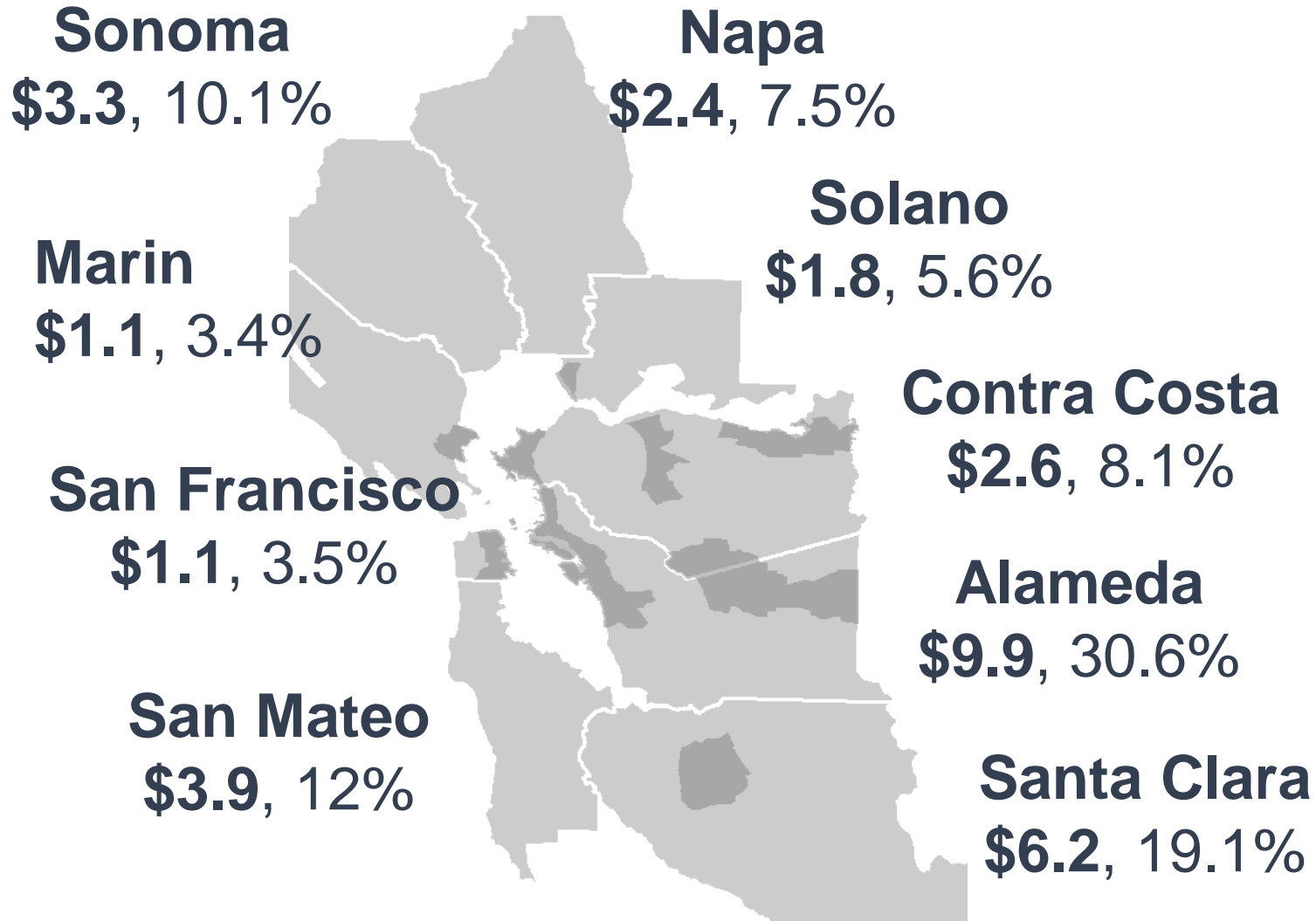
\$2.4

\$7.2

\$5.9

\$4.7

Funds Awarded & Recommended Since July 2020 (in Millions)



**~\$33
Million
Awarded**



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

Feedback Requested/Prompt



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.



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AGENDA: 5

Transportation Fund for Clean Air Allocation Fiscal Year Ending 2022

Mobile Source and Climate Impacts
Committee Meeting
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Ken Mak
Supervising Staff Specialist
kmak@baaqmd.gov

Outcome



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



Program Categories	New \$ (millions)	Carryover (millions)	Total \$ Available (millions)
Trip Reduction	\$4.25	\$7.00	\$11.25
Clean Air Vehicles	\$6.00	\$9.50	\$15.50
Air District Sponsored Programs	\$2.64	\$0.00	\$2.64
Subtotal for programs & projects	\$12.89	\$16.50	\$29.39
Admin & Audit	\$1.69	\$0.00	\$1.69
Total funding estimated for FYE 22	\$14.58	\$16.50	\$31.08

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



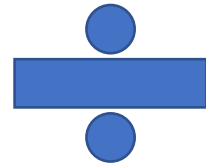
Program Categories	Max. C/E (per ton of emissions reduced)	Project Operational Period (in Years)
Spare the Air, Flex Your Commute, and Commuter Benefits	\$500,000	1
Enhanced Mobile Source Inspections	\$500,000	1
Clean Cars for All	\$500,000	3
Vehicle Buy Back (direct mail)	N/A	N/A

Cost Effectiveness (C/E) Evaluation of Air District Sponsored Programs



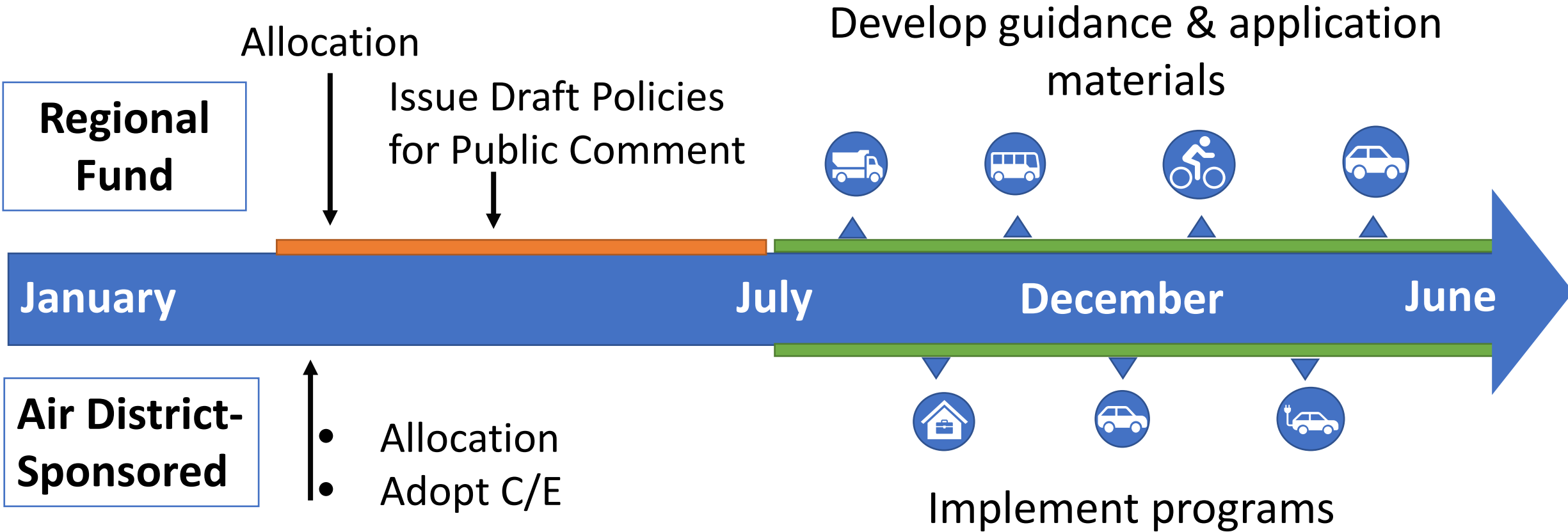
Sum of TFCA funds awarded to Air District Sponsored Programs:
Spare the Air + Flex Your Commute
+ Enhanced Mobile Source + Commuter Benefits

C/E =



**Emissions reduced from Air District Sponsored Programs
minus
emissions reduced from other TFCA-funded programs and projects**

FYE 2022 TFCA Timeline



Feedback Requested/Prompt



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.