



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

**AGENDA: 3**

# **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

# 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)**

- Created in 1998
- Administered in partnership with California Air Resources Board (CARB)

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

- AB 617 (2017)
- Funds distributed through the Community Health Protection Program

- 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



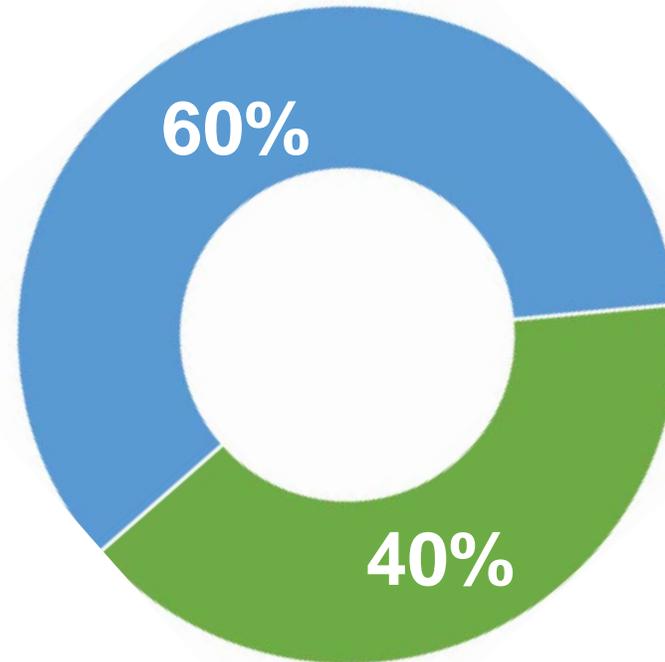
# Transportation Fund for Clean Air (TFCA)



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



Regional Fund



County Program Manager Fund

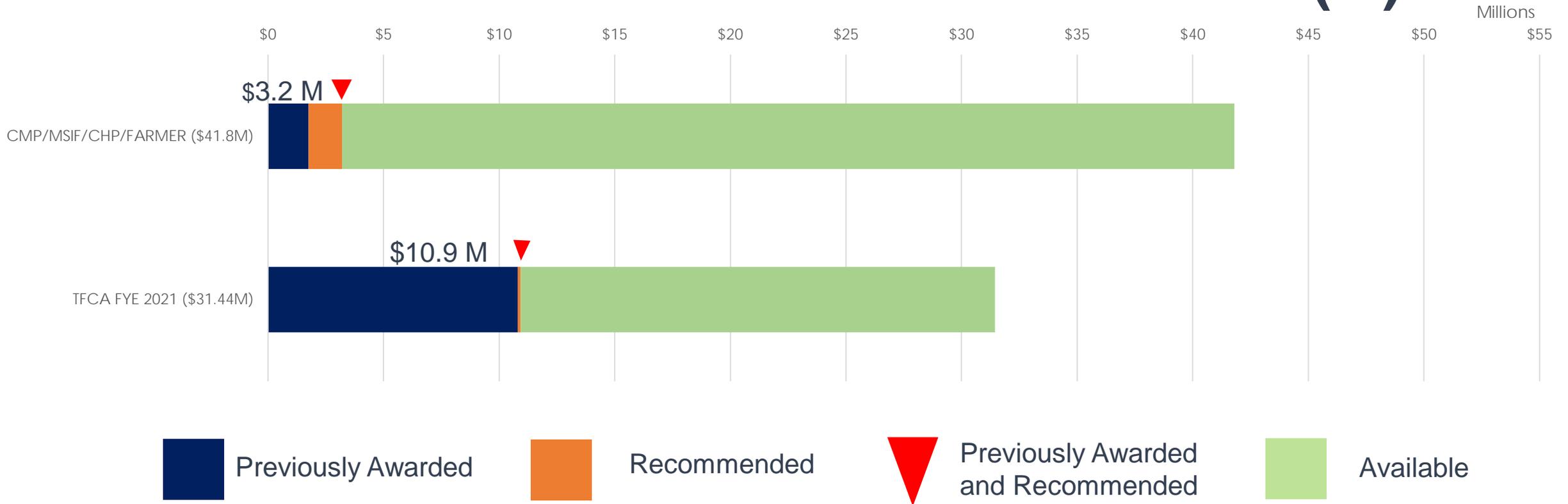


# Project Recommendations over \$100k

- **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)



# Incentive Funding Awarded & Recommended by Project Category Since July 2020



**Total = ~\$14 M\***

List of projects is shown in Attachments 2 & 3

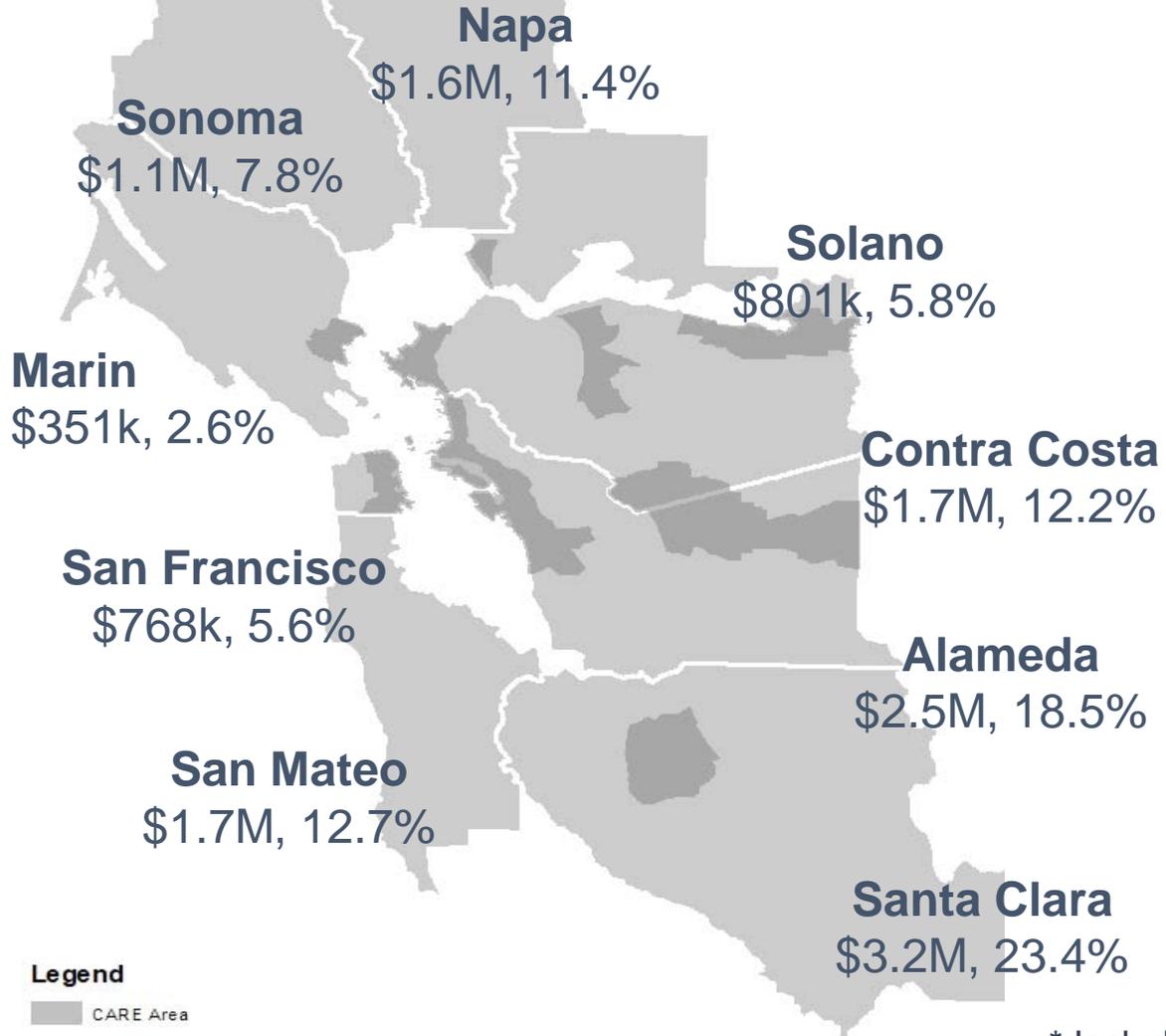
					
<b>Light-duty Cars &amp; Infrastructure</b>	<b>On-road Trucks &amp; Buses</b>	<b>School Buses</b>	<b>Off-road</b>	<b>Off-road Marine &amp; Locomotive</b>	<b>Trip Reduction</b>
<b>\$6.3 M</b>	<b>\$0.5 M</b>	<b>\$0.3 M</b>	<b>Ag: \$2 M Non-Ag: \$0.2 M</b>	<b>\$0</b>	<b>\$4.5 M</b>

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

Mobile Source Committee Meeting  
October 19, 2020

Bay Area Air Quality Management District

# Incentive Funding Awarded & Recommended by County Since July 2020



List of projects is shown in Attachments 2 & 3

**Total = \$~14 M\***



**24% in CARE**

**39% in disadvantaged or low-income communities**

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

# Incentive Funding Offered by Air District



Program Name, Description, and Website	Status	Revenue Source
Carl Moyer Funding to replace heavy-duty on- & off-road vehicles and equipment, marine engines, and locomotives <a href="http://www.baaqmd.gov/moyer">www.baaqmd.gov/moyer</a>	Open	CMP, MSIF, CHP, FARMER
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>	Open	California Climate Investments
Lower-Emission School Bus Program Funding for bus replacements, engine repowers or electric conversions, natural gas tank replacements, and electric charging & alternative fueling infrastructure projects <a href="http://www.baaqmd.gov/lesbp">www.baaqmd.gov/lesbp</a>	Open	CMP, MSIF, CHP
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/goods">www.baaqmd.gov/goods</a>	Opening soon	GMP
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>	Open	MSIF
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>	Open	California Climate Investments
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>	Open	Ibank

# 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.



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AGENDA: 4

# **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**



## ❖ Background

## ❖ Proposed updates to County Program Manager (CPM) Policies for Fiscal Year Ending (FYE) 2022

- Outreach process
- Summary of proposed updates
- Next steps

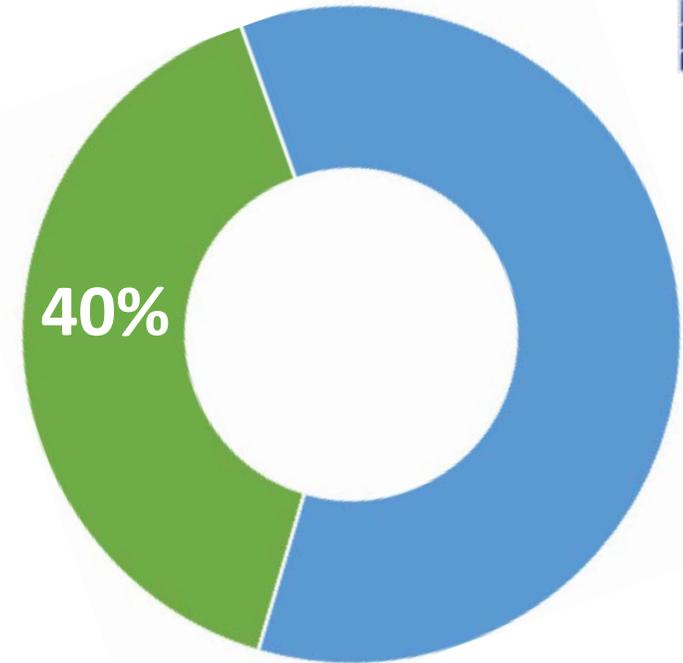
## ❖ Recommended Action

# Transportation Fund for Clean Air (TFCA)



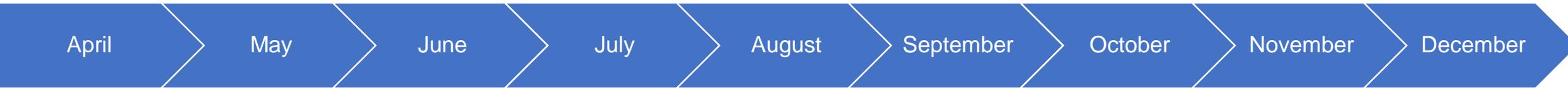
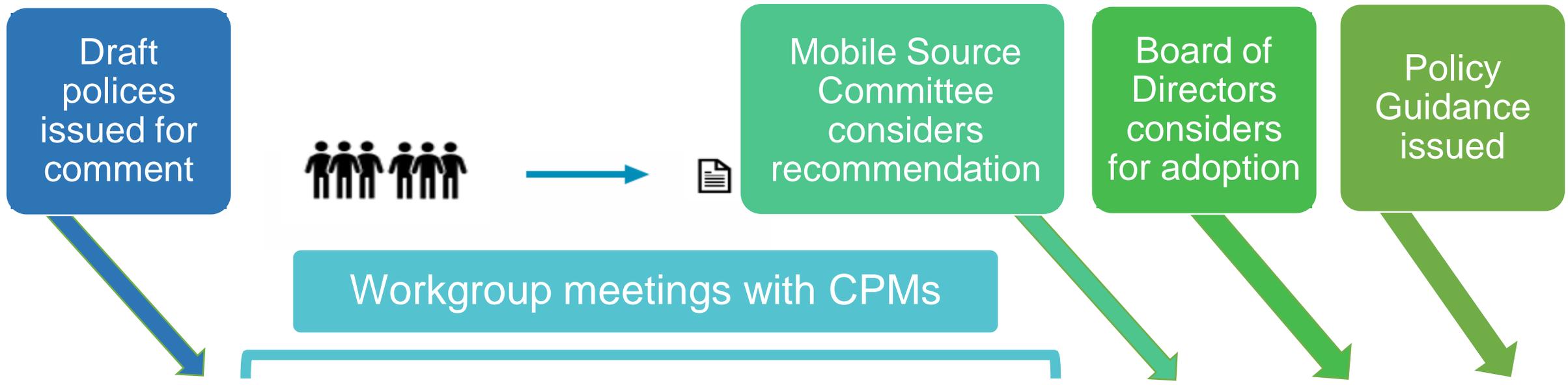
- ❖ TFCA funding authorized by State Legislature to help reduce on-road mobile source emissions
- ❖ \$4 motor vehicle registration surcharge fee with 40% of funds distributed to the nine Bay Area congestion management agencies
- ❖ Staff brings updates to TFCA CPM policies to Air District Board of Directors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

County  
Program  
Manager  
Fund



Regional  
Fund

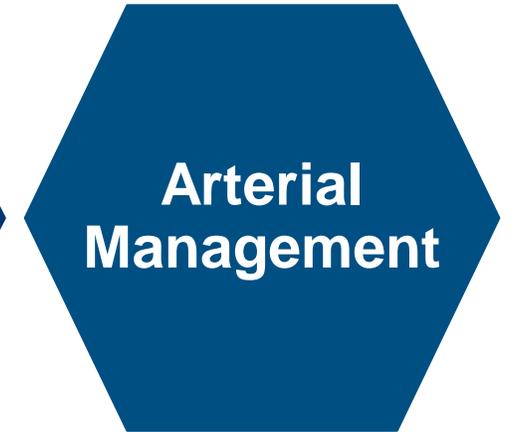
# Tentative Timeline for Update to FYE 2022 Policies



# Summary of Proposed Updates for FYE 2022 General Policies



- ❖ Increase cost-effectiveness threshold (#2) for four project categories



- ❖ 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**



**#32 – Arterial Management**

**#29 – Pilot Projects**

**#31 – Bikeshare**

**#30 – Bicycle Projects**

**#33 – Infrastructure Improvements for Trip Reduction**



**#34 – Telecommuting**

# Coordination with CPMs on Policies



Comments Received	Response
Remove proposed ridesharing language	✓
Clarify 10% match funds language	✓
Remove bike project environmental review	✓
Increase Arterial Management CE to \$250,000	✓
Proposed new telecommuting project category	✓
E-bikes to be funded as a vehicle	✓
Extend readiness policy timeline	

Continue Discussion

Environmental review for bike and infrastructure

E-bikes other than service and vehicle replacement

# 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.



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**AGENDA: 5**

# **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

# MSIF and TFCA



## Mobile Source Incentive Fund (MSIF)

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

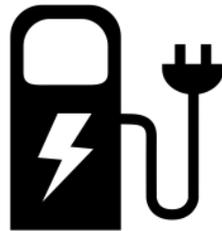
## Transportation Fund for Clean Air (TFCA)

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

# Charge! Program

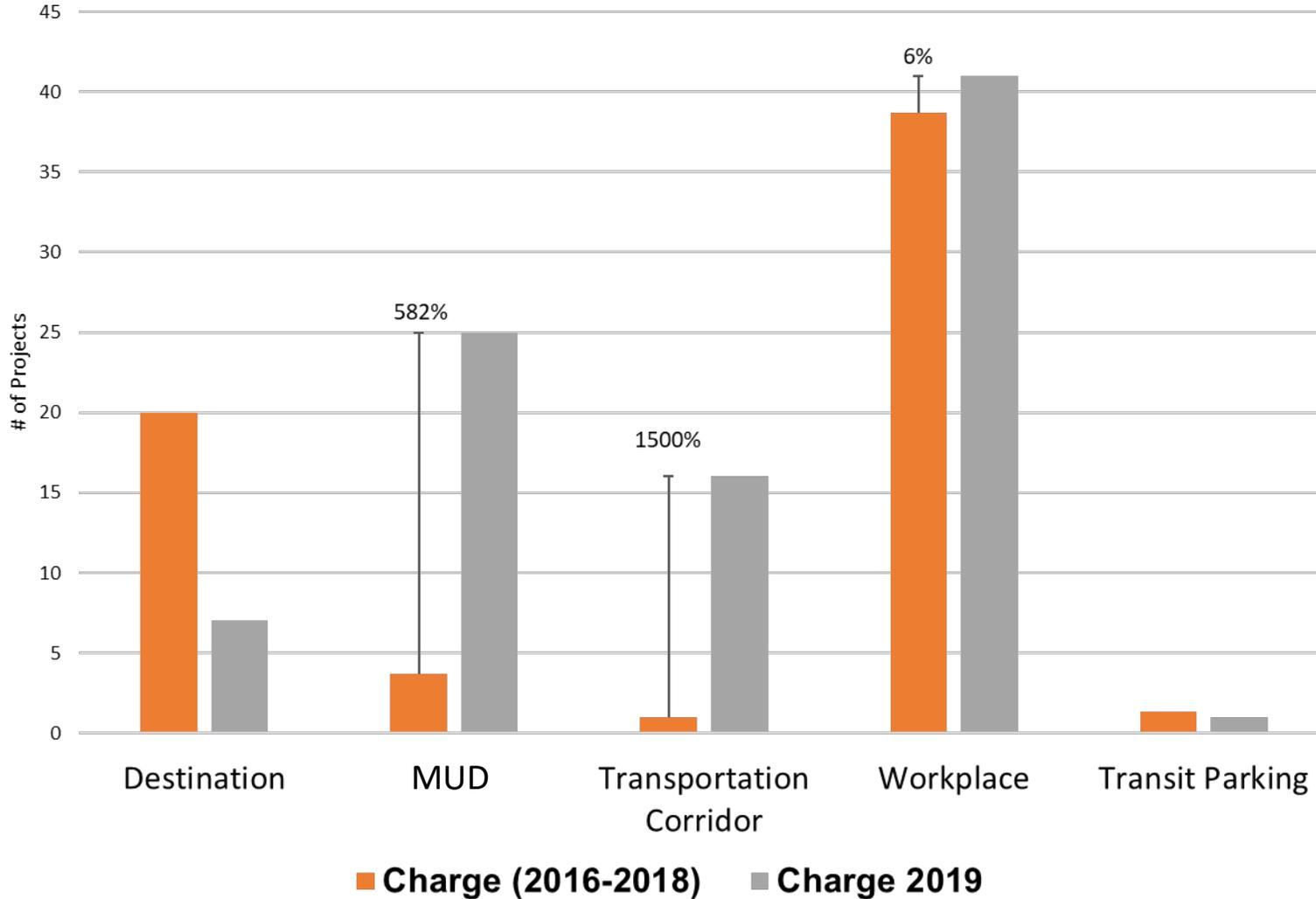


**FYE 2019**



Level 1	\$750
Level 2	\$3,000
DC Fast	\$18,000
Solar	\$1/W up to \$4,000
Multi-port	\$1,000 per additional port
Transportation Corridor	\$7,000
<b>Multi-unit Dwellings</b>	<b>\$4,000 per charger</b>

# Charge! Facility Types

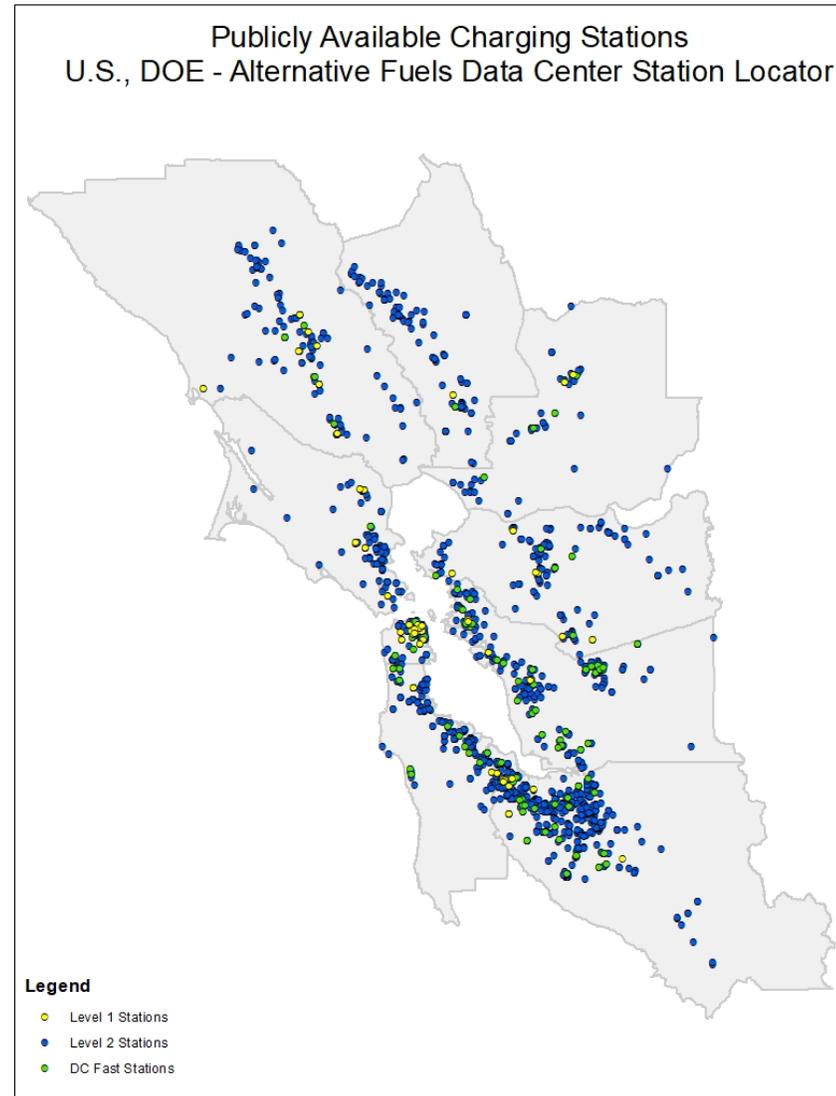
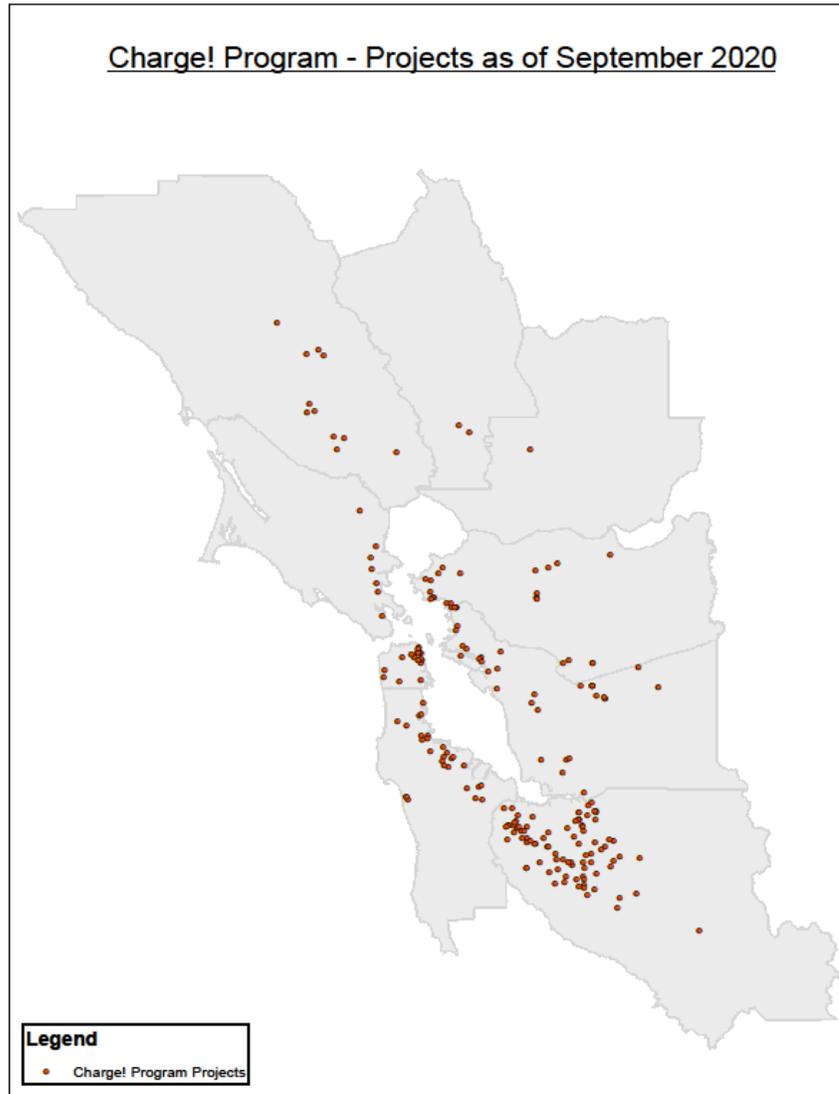


## Highlights

**Multi-unit Dwelling (MUD)** 582% ↑

**Transportation Corridors** 1,500% ↑

# Bay Area Electric Vehicle Chargers



# Charge! Program Fiscal Year Ending 2021

*\$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.