



AGENDA: 3

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Bay Area Air Quality Management District  
Mobile Source Committee  
April 26, 2018

# Projects and Contracts with Proposed Grant Awards Over \$100,000

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Mark Tang  
Staff Specialist  
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# Overview

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- Background
- Proposed Projects with Awards Over \$100,000
- New California Air Resources Board (ARB) Funding
- Recommendations



# CMP, MSIF, AB 134 & TFCA

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## ➤ Carl Moyer Program (CMP)

- Created in 1998 to reduce emissions from heavy-duty engines
- Voluntary program that funds surplus emission reductions

## ➤ Mobile Source Incentive Fund (MSIF)

- AB 923 allowed for additional \$2 motor vehicle registration fee surcharge (12/04)
- CMP and Lower Emission School Bus Program (LESBP) projects eligible for MSIF funding



# CMP, MSIF, AB 134 & TFCA

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- **Community Health Protection Grant Program (AB 134)**
  - AB 134 appropriated \$250 million from the Greenhouse Gas Reduction Fund (GGRF) to reduce mobile source emissions including criteria pollutants, toxic air contaminants, and greenhouse gases in AB 617 communities.
  - The Bay Area was allocated \$50 million of these funds for emission reduction projects under the CMP, and optionally under the Proposition 1B Goods Movement Emission Reduction Program.
  
- **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
    - ✓ 60% of TFCA funds awarded directly by the Air District
    - ✓ Remaining 40% is distributed to the 9-Bay Area Congestion Management Agencies



# CMP Year 19

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## ➤ **On 3/1/17 Air District Board of Directors:**

- Approved participation in CMP Year 19
- Authorized Executive Officer/APCO to execute contracts and amendments with grant awards up to \$100,000

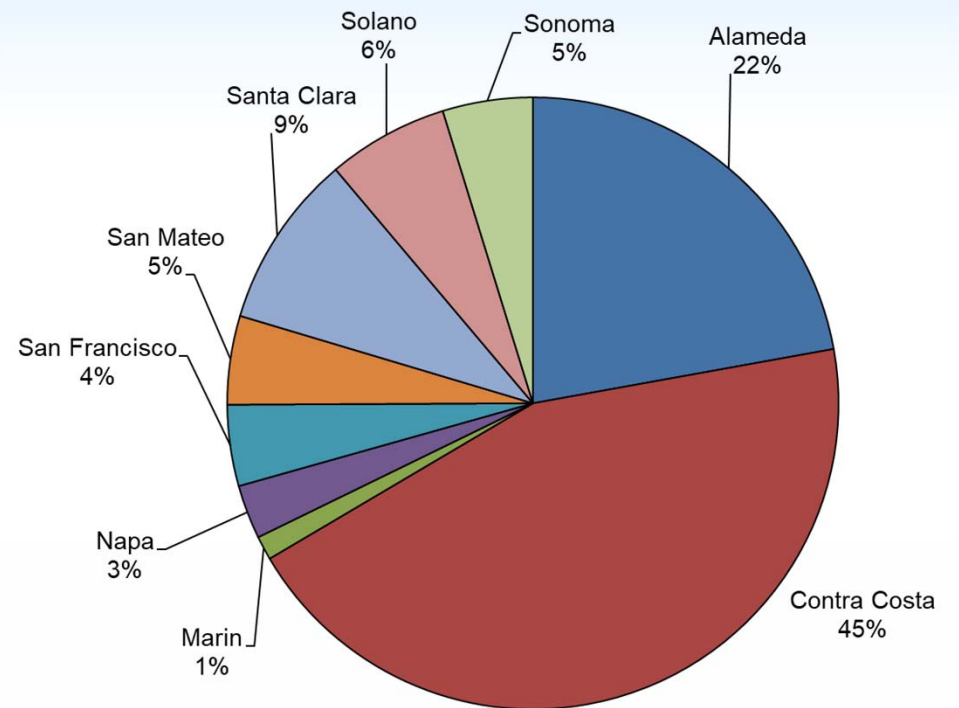
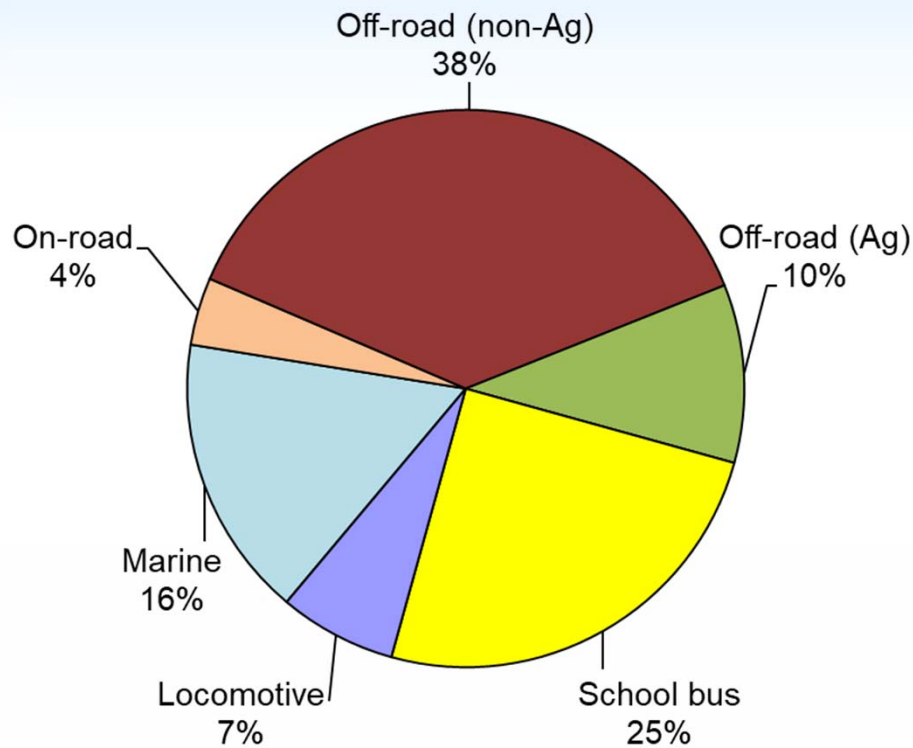
## ➤ **CMP Project Recommendations over \$100k:**

- 13 Projects to reduce emissions from 6 marine engines, 3 pieces of agricultural equipment, and 14 pieces of off-road equipment
- \$4,809,085 in total awards
- Emission reductions: Over 24 Tons Per Year (TPY) of criteria pollutants



# CMP and MSIF Funds

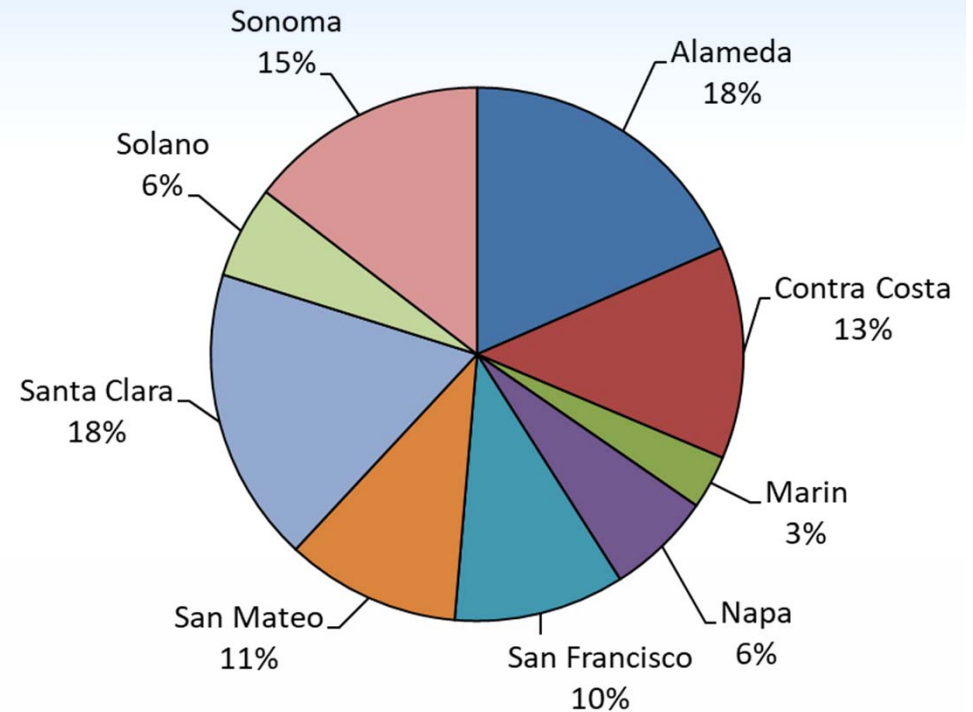
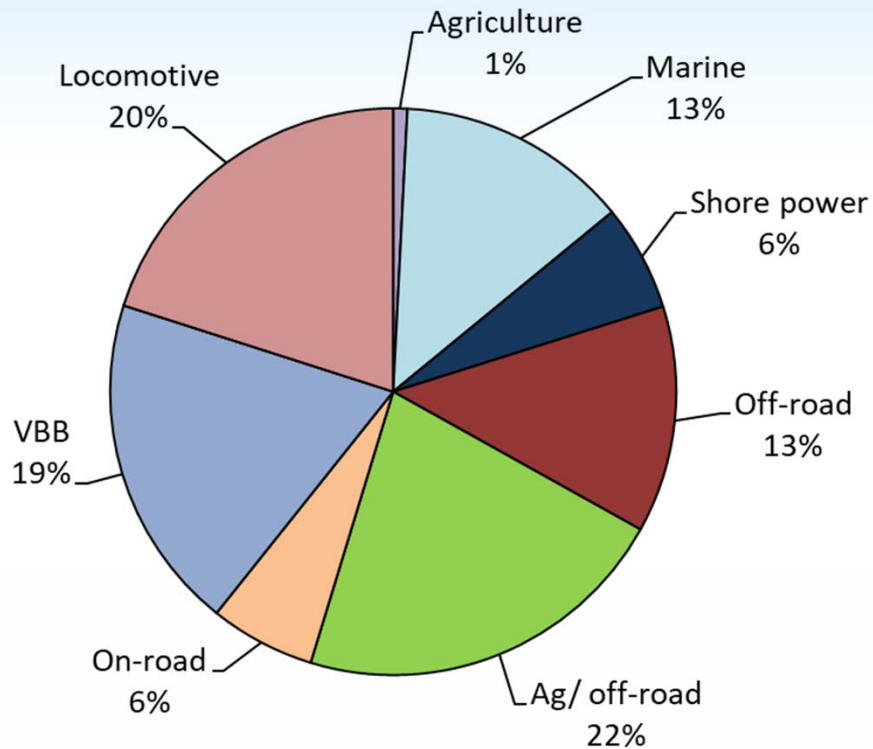
Awarded as of 4/5/18





# CMP and MSIF Funds

Awarded since 2009





## ➤ **Board approval of FYE 2018 TFCA Program**

- 4/19/17 – Authorized Executive Officer/APCO to execute contracts and amendments with grant awards up to \$100,000 and allocation of \$29.24 million in TFCA funds
- 8/2/17 - Adopted policies and evaluation criteria

## ➤ **TFCA project recommendations over \$100k:**

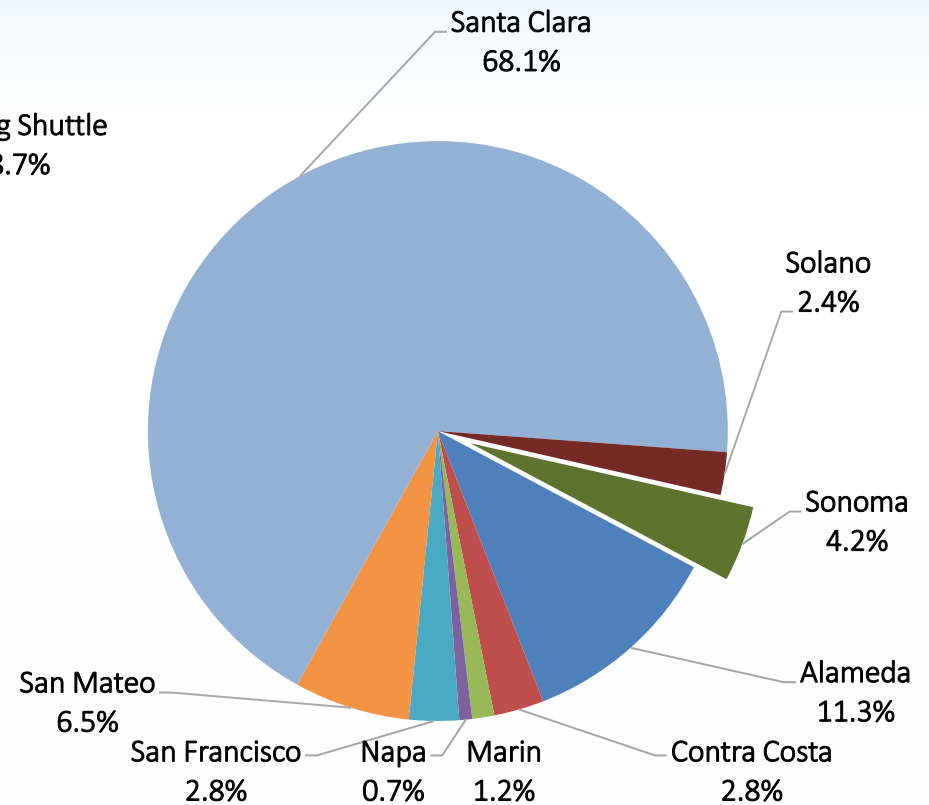
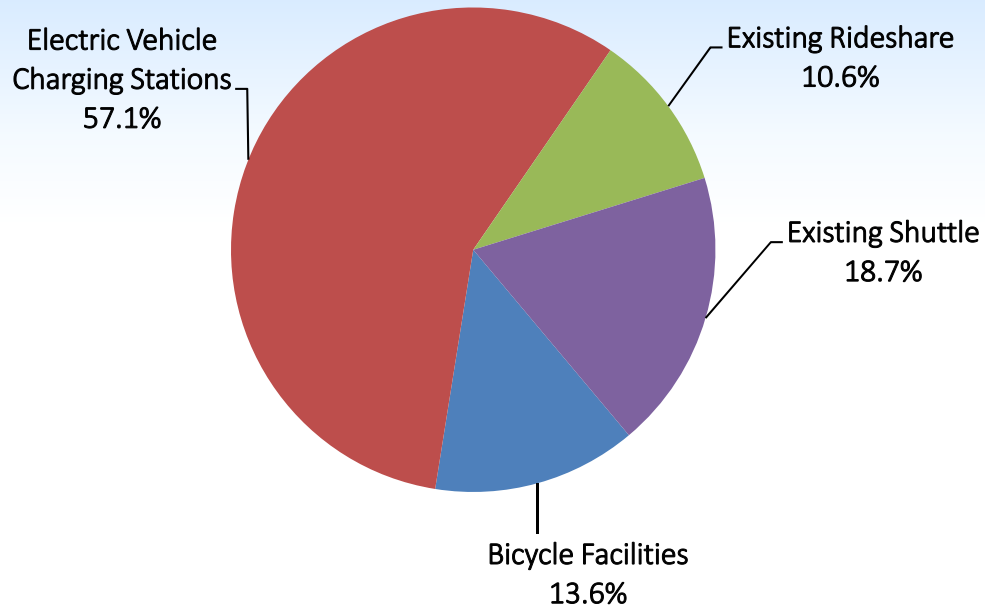
- Seven projects to install 756 Level-2 electric vehicle (EV) charging stations and 29 DC-fast charging stations at 35 schools and community colleges in Alameda and Santa Clara counties
- Proposed total award: \$2,829,500
- Emission reductions: ~3.42 TPY of criteria pollutants





# TFCFA Funds Awarded

by Project Category and by County  
(For eligible projects evaluated between 7/1/17 and 4/5/18)

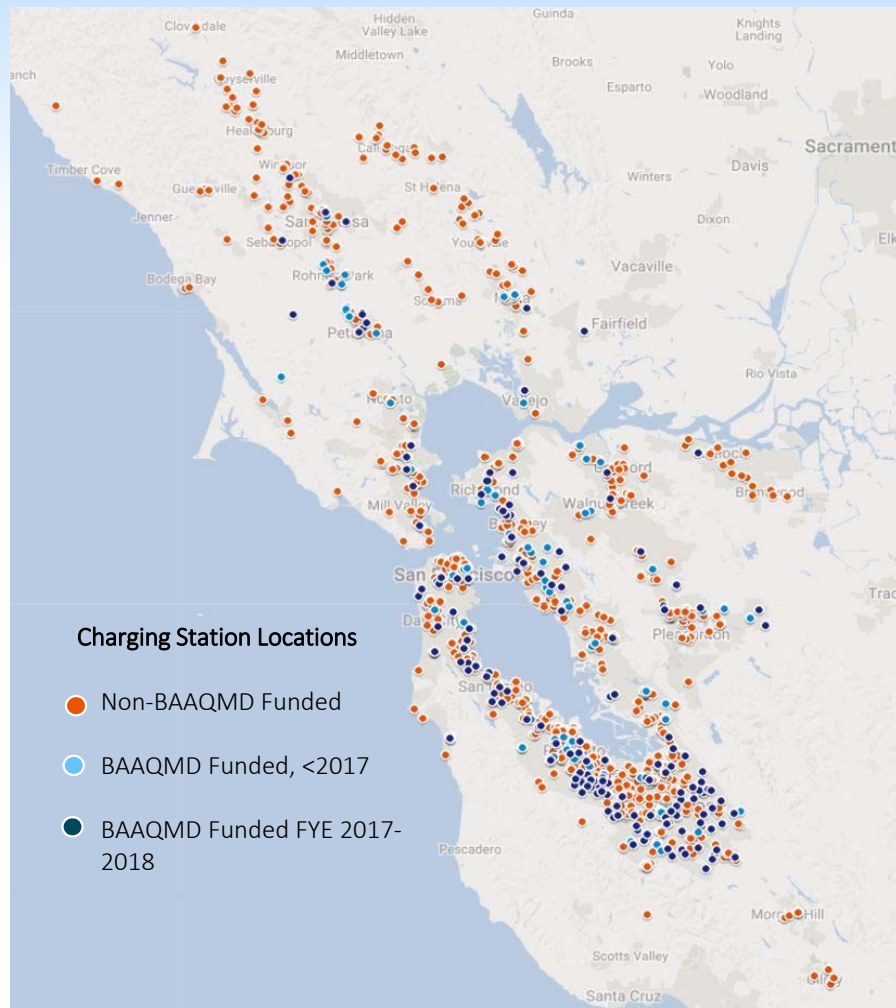


**Total = \$10.66 M  
(out of \$29.24)**

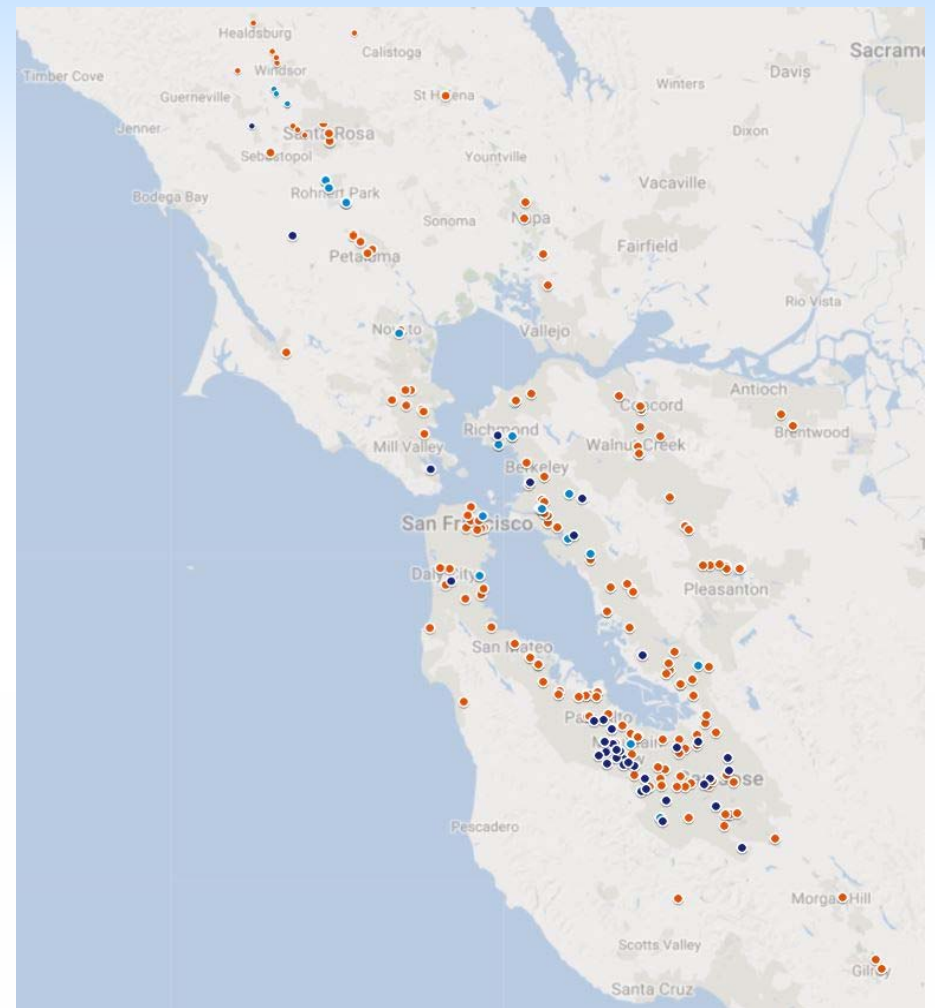


# TFCA – Charge! Program Summary

## Bay Area Charging Station Locations



*Level 1 & 2 Charging Network*



*DC Fast Charging Network*



# New ARB Funding

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## ➤ **CMP State Reserve Funding**

- ARB allocated Fiscal Year 2017-18 CMP state reserve funds for off-road projects eligible for funding under the CMP guidelines
- Air District applied for \$3.5 million CMP State Reserve funding

## ➤ **Funding Agricultural Reduction Measures for Emission Reductions (FARMER) Program Funding**

- AB 134 and AB 109 appropriated \$135 million from the State Budget for Fiscal Year 2017-18 to the ARB for the reduction of criteria, toxic, and greenhouse gas emissions from the agricultural sector
- Air District applied for \$5 million in FARMER funding



# New ARB Funding

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## ➤ Low-Carbon Fuel Standard (LCFS) Mitigation Funding

- \$4.5 million in mitigation funding to local air districts to reduce NOx emissions to offset NOx increases from some biodiesel approved for the ARB LCFS program
- Funding to support CMP eligible projects, focusing on NOx reductions



# Recommendations

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## *Recommend the Board of Directors:*

1. Approve Carl Moyer Program and Transportation Fund for Clean Air projects with proposed grant awards over \$100,000 as shown in Attachment 1;
2. Adopt resolutions authorizing the Air District to accept, obligate, and expend the new funding from the Carl Moyer Program State Reserve Program and Funding Agricultural Reduction Measures for Emission Reductions Program and authorize the Air District to accept, obligate, and expend the new Low-Carbon Fuel Standard Mitigation Funding; and
3. Authorize the Executive Officer/APCO to enter into all necessary agreements with applicants for the recommended projects and new funding.



AGENDA: 4

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Bay Area Air Quality Management District  
Mobile Source Committee  
April 26, 2018

# Fiscal Year Ending (FYE) 2019 Transportation Fund for Clean Air (TFCA) Funding Allocation

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Chengfeng Wang  
Manager



# Overview

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- Background
- Proposed FYE 2019 TFCA allocation
- Summary of proposed FYE 2019 Regional Fund and Air District programs and projects
- Proposed cost-effectiveness limits for Air District sponsored programs
- Recommendations



# Transportation Fund for Clean Air (TFCA) Background

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- Established in 1991 to fund projects to reduce on-road motor vehicle emissions
- Funded by \$4 motor vehicle registration fee surcharge
  - 60% to Regional Fund & Air District-sponsored projects
  - 40% to County Program Manager Fund
- Statutory authority of TFCA are set forth in California Health and Safety Code Sections 44241 and 44242
- Air District's Board of Directors (Board) allocates funding and adopts cost-effectiveness criteria annually





# Proposed FYE 2019 TFCFA Funding Allocation (in Millions)

Program Categories	(A) Estimated New TFCFA Monies	(B) Estimated Carryover*	(C) Total Funds Available in FYE 2019
Trip Reduction	\$5.00	\$1.00	\$6.00
Clean Air Vehicles	\$5.35	\$6.08	\$11.43
Spare the Air	\$2.31	\$0.00	\$2.31
Enhanced Mobile Source & Commuter Benefits Enforcement	\$0.55	\$0.00	\$0.55
Vehicle Buy Back	\$0.15	\$0.00	\$0.15
Admin & Audit	\$1.67	\$0.00	\$1.67
<b>Total Available Funding:</b>	<b>\$15.03</b>	<b>\$7.08</b>	<b>\$22.11</b>

*\*Carryover is an estimate of the remaining TFCFA funds from prior years and may be lower than what is indicated in the table since that funding is currently available to projects in the FYE 2018 cycle.*



# Trip Reduction (For Public Agencies)

\$5 M in New TFCA Monies/\$6 M Total

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## ➤ Existing Shuttle and Ridesharing

- First- & last-mile services connecting commuters to transit
- Carpool, vanpool, and rideshare services to riders from at least five Bay Area counties, with no one county accounting for more than 80% of all riders

## ➤ Pilot Trip Reduction

- Innovative and cost-effective first- & last- mile solutions
- Funding for projects in Highly Impacted Communities or Episodic CARE Areas, or Priority Development Areas

## ➤ Bicycle Facilities

- Bikeways and secure bicycle parking projects to help mode transit to biking and walking



# Clean Air Vehicles

\$5.35 M in New TFCA Monies/\$11.43 M Total

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- Electric Vehicle Charging Stations (Charge!)
  - Install and operate publicly available chargers
  
- Zero-Emissions Light-Duty Fleets & Heavy-Duty Vehicles
  - For three or more light-duty vehicles
  - For one or more heavy or medium-duty trucks and buses
  
- Enhanced Fleet Modernization Program
  - “Replacement” component for qualifying low-income residents that scrap old vehicles
  - Provides funding for purchase of new or used cars and other clean mobility options



# Other Air District-sponsored Programs

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- Spare the Air
  - \$2.31 M in new TFCFA monies
  
- Vehicle Buy-Back
  - \$0.15 M in new TFCFA monies
  - TFCFA funds used for outreach costs
  
- Enhanced Mobile Source/Commuter Benefits Enforcement
  - \$0.55 M in new TFCFA monies



# Cost-Effectiveness Limits for Air District Sponsored Programs

Program Categories	Max. C/E	Project Operational Period	Notes
	(per ton of emissions reduced)	(in Years)	
Bicycle Racks (BRVP)	\$250,000	3	No Change
PEVs for Public Agencies	\$450,000	3	No Change
PEV Outreach	\$250,000	3	No Change
PEV Charging Stations	\$250,000	4	No Change
	\$500,000*		Updated
Spare the Air	\$90,000	1	No Change
Enhanced Mobile Source & Commuter Benefits Enforcement	\$90,000	1	No Change
Vehicle Buy Back	\$90,000	3	No Change

\* C/E limit for projects that: (1) incorporate renewable power (i.e., solar or wind); or (2) are located at MDUs, transit stations, or park and ride lots.



# Recommendations

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## *Recommend the Board of Directors:*

1. Allocate \$15.03 million in new Transportation Fund for Clean Air (TFCA) monies to the programs 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.



AGENDA: 5

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Bay Area Air Quality Management District  
Mobile Source Committee

# Fiscal Year Ending (FYE) 2019 Transportation Fund For Clean Air (TFCA) County Program Manager Expenditure Plans

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April 26, 2018

Linda Hui  
Staff Specialist



# Overview

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- Background
- FYE 2019 County Program Manager (CPM) Expenditure Plans
- Recommendations





# CPM Program Background

- **Funded by Transportation Fund for Clean Air (TFCA)**
  - \$4 motor vehicle registration fee surcharge
    - ✓ 40% of TFCA monies for CPM Program
  
- **Statutory authority in California Health & Safety Code Sections 44241 and 44242**
  - CPMs submit annual expenditure plan
    - ✓ Funds must be allocated within 6 months of Board's approval of expenditure plan
    - ✓ Funds not allocated by the deadline will be awarded by the Air District
  
  - CPM policies & cost-effectiveness criteria adopted by the Board annually (for FYE 2019 on 11/1/17)



# FYE 2019 Funding for CPM

County Program Manager	Estimated New TFCA Funds	TFCA Funds to be Reprogrammed*	Total FYE 2019 Funds
Alameda County Transportation Commission	\$1,955,286	\$445,759	\$2,401,045
Contra Costa Transportation Authority	\$1,694,929	\$5,270	\$1,700,199
Transportation Authority of Marin	\$366,692	\$17,140	\$383,832
Napa Valley Transportation Authority	\$206,898	\$7,329	\$214,227
San Francisco County Transportation Authority	\$759,899	\$51,838	\$811,737
San Mateo City/County Association of Governments	\$1,139,802	\$1,292	\$1,141,094
Santa Clara Valley Transportation Agency	\$2,560,629	\$231,664	\$2,792,293
Solano Transportation Authority	\$348,529	\$5,052	\$353,581
Sonoma County Transportation Authority	\$637,534	\$8,443	\$645,977
<b>TOTAL</b>	<b>\$9,670,198</b>	<b>\$773,787</b>	<b>\$10,443,985</b>

*\*Based on funds available for reprogramming from prior-year CPM projects that were recently completed under budget or canceled, and from any interest earned.*



# Recommendations

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## *Recommend the Board of Directors:*

1. Approve the allocation of new Fiscal Year Ending (FYE) 2019 Transportation Fund for Clean Air (TFCA) County Program Manager (CPM) Expenditure Plans Funds listed in Table 1; and
2. Authorize the Executive Officer/APCO to enter into funding agreements with the CPMs for the total funds to be programmed in FYE 2019, listed in Table 1.