



**Bay Area Air Quality Management District  
Mobile Source Committee**

May 5, 2016

**Projects with Proposed Awards over \$100,000**

**Damian Breen  
Deputy Air Pollution Control Officer**

- Background
- Proposed projects with awards over \$100,000
- Resolution to accept, obligate, and expend Congestion Mitigation and Air Quality Improvement (CMAQ) funds
- Recommendations

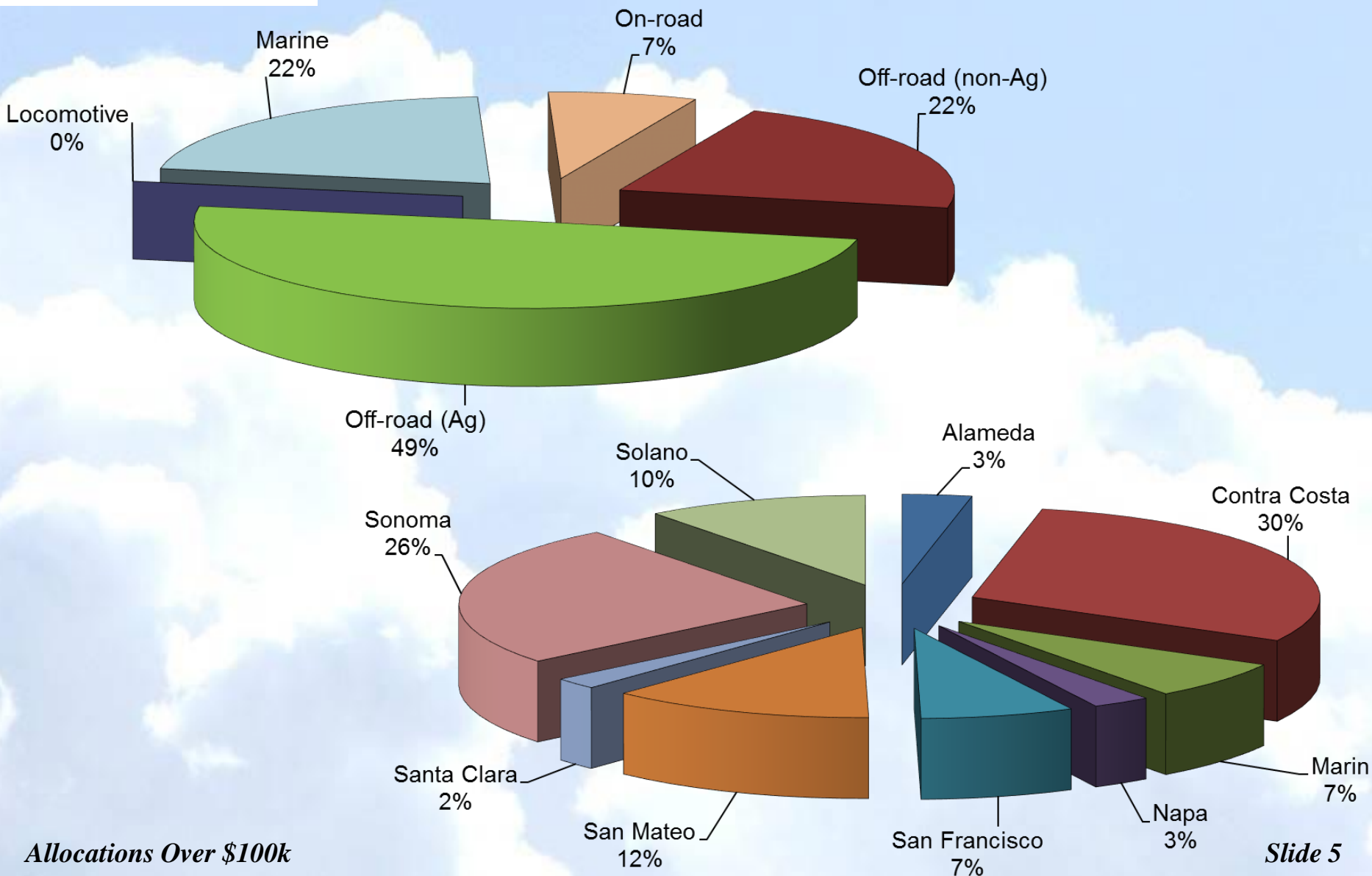
# CMP, MSIF, & TFCA

- **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 LESBP projects eligible for MSIF funding
- **Transportation Fund for Clean Air (TFCA)**
  - Funding provided by a \$4 surcharge on motor vehicles
  - Statutory authority for the TFCA and requirements of the program are set forth in California Health and Safety Code Sections 44241 and 44242

- **On 2/18/15 District Board of Directors:**
  - Approved participation in CMP Year 17
  - Authorized Executive Officer/APCO to execute contracts and amendments with grant awards up to \$100,000
- **CMP Project Recommendations over \$100k:**
  - 6 Projects to reduce emissions from
    - 2 tractors,
    - 1 off-highway truck,
    - 3 loaders, and
    - 4 marine engine
  - \$1,733,610 in total awards
  - Emission reductions: Over 12.8 TPY of criteria pollutants

# CMP and MSIF Funds

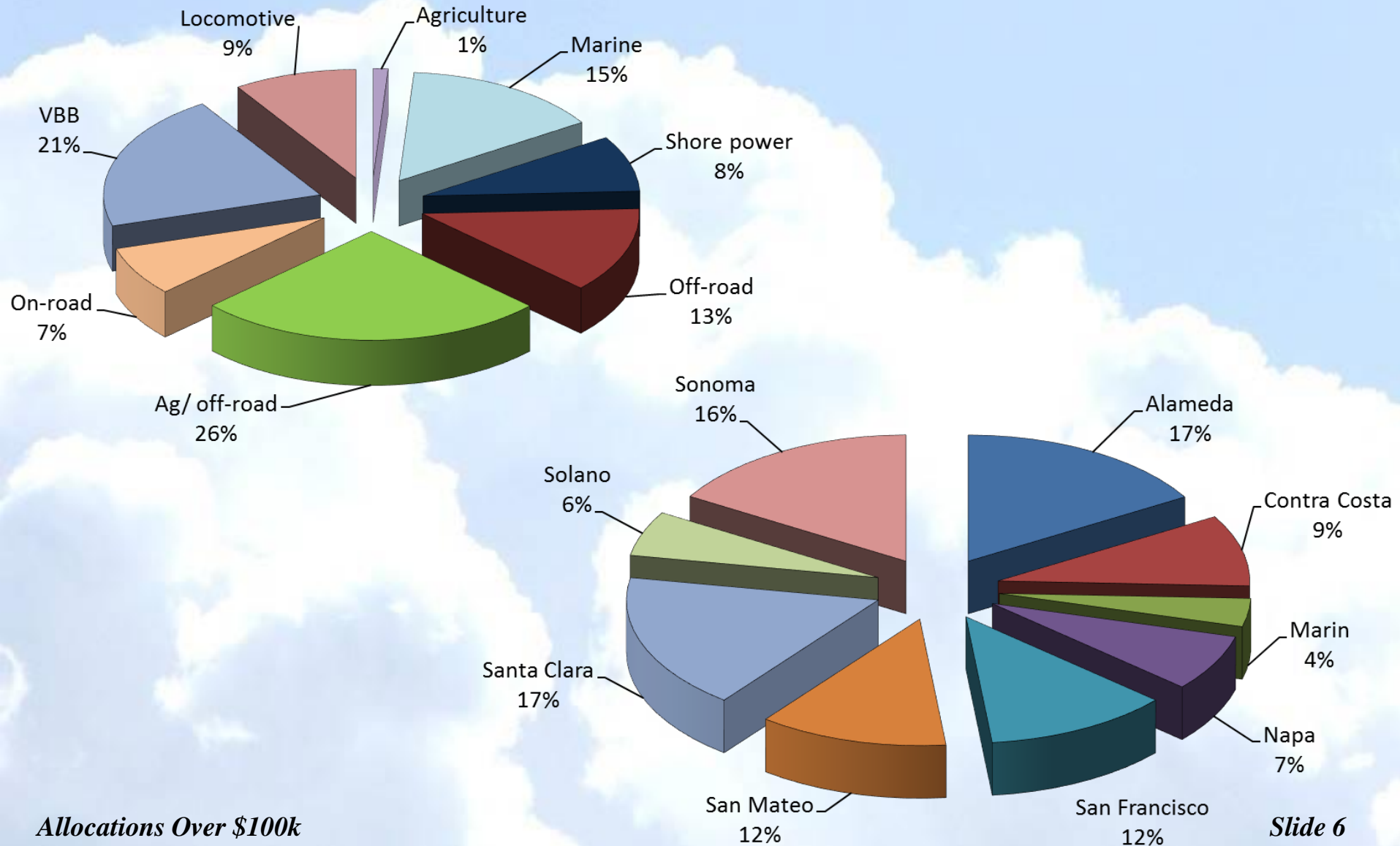
## Awarded as of 4/13/16



*Allocations Over \$100k*

*Slide 5*

# CMP and MSIF Funds Awarded since 2009



*Allocations Over \$100k*


*Slide 6*

- **District Board of Directors:**
  - Allocated \$24.47 million for eligible project categories and authorized Executive Officer/APCO to execute contracts and amendments with grant awards up to \$100,000, 5/6/15
  - Adopted policies and evaluation criteria on 5/6/15 and 7/29/15
- **TFCA Project Recommendations over \$100k:**
  - 5 projects to install electric vehicle (EV) charging stations totaling:
    - 53 dual-port Level 2 charging stations (29 with solar)
    - 54 single-port Level 2 charging stations
    - 19 DC Fast charging stations
  - 1 pilot trip reduction project to test and deploy Shared Autonomous Vehicle (SAV) Shuttles
  - Proposed total awards: \$2,584,850
  - Emission reductions: Over 2.12 TPY of criteria pollutants, ~28,000 TPY of tailpipe greenhouse gas (GHG) emissions

## Pilot Trip Reduction Project: SAV

- Pilot project to test first- & last mile connections via Shared Autonomous Vehicles (SAV):
  - Bishop Ranch Business Park and Contra Costa County
  - Can be replicated throughout region if testing is successful



 Connected Shared Autonomous Vehicle (CSAV)

**2016**

- Delivery & testing in Bishop Ranch
- Regulatory approval

**2017**

- Bench and field operational Testing
- Regulatory approval

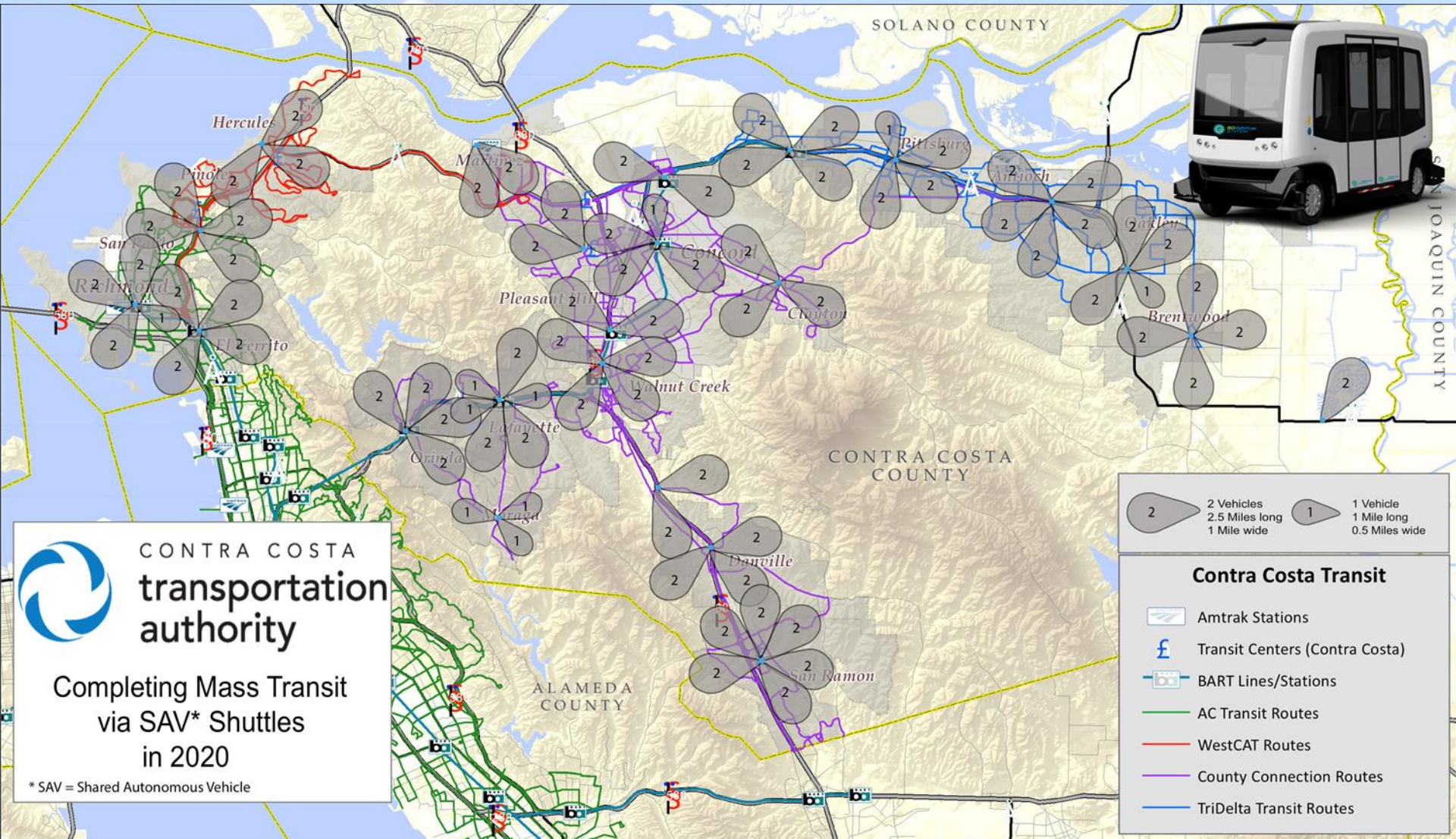
**2018 -  
2020**

- Commercialization and deployment of up to 150 SAVs in Contra Costa County

*\*Photo provided courtesy of Contra Costa Transportation Authority*

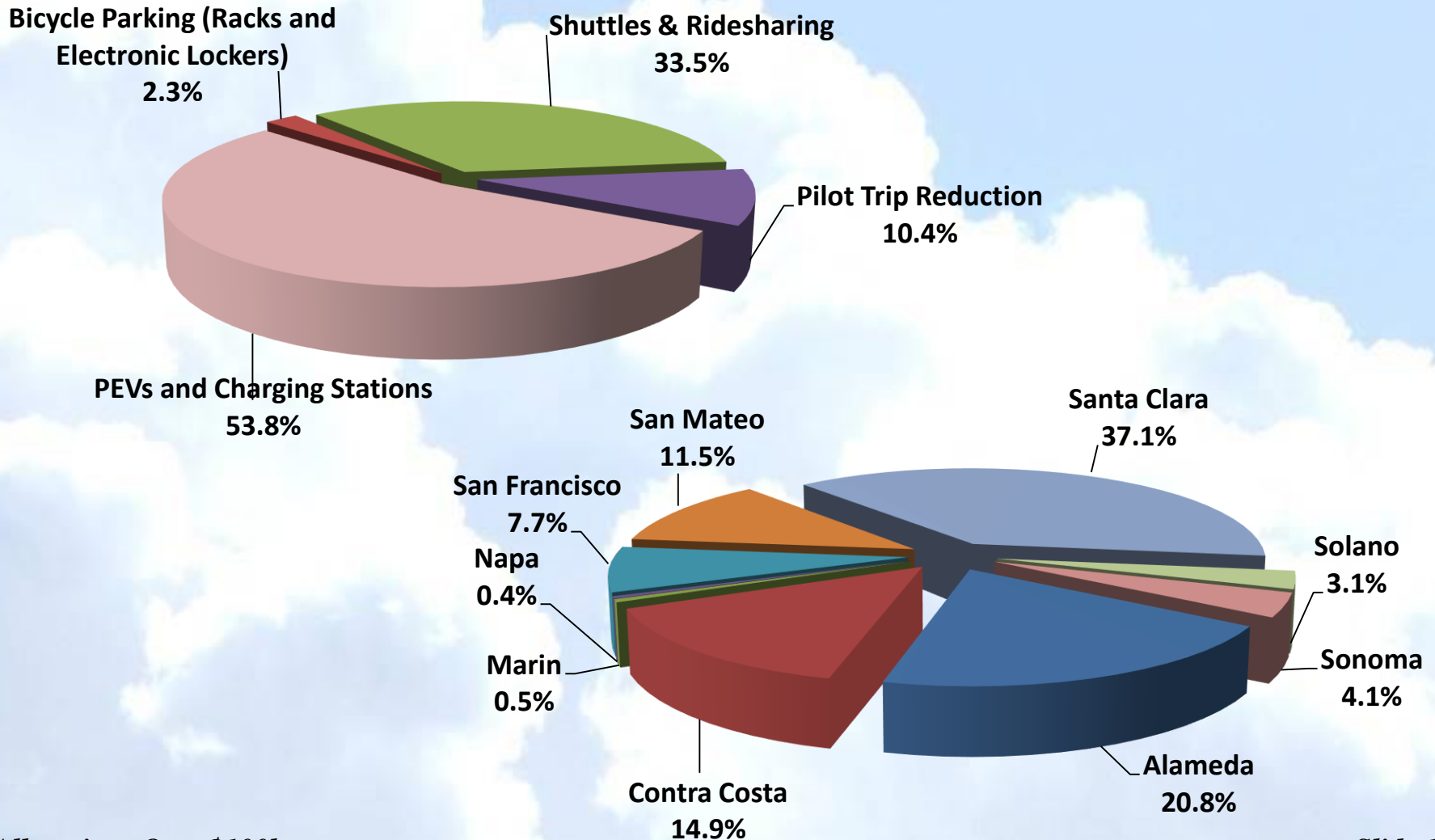


## Pilot Trip Reduction Project: SAV



# TFCA Funds

by Project Category and by County  
(Eligible projects evaluated between 7/1/15 and 4/13/16)



# Resolution for Congestion Mitigation and Air Quality (CMAQ) Funds

- 5/6/15, Board authorized Executive Officer/APCO to execute all contracts necessary to accept, appropriate, and expend CMAQ Program funding awarded by the Metropolitan Transportation Commission (MTC)
- 9/23/15, MTC approved \$400,000 in CMAQ funds to the Air District for electric vehicle signage and public education
- Resolution needed to enter into contract with Caltrans
- Funds will be used to:
  - Develop signage for grant recipients of EV charging grants
  - Implement Bay Area Plug-in Electric Vehicle (PEV) Readiness Plan outreach component

# Recommendations

## *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. Authorize the Executive Officer/APCO to enter into agreements for the recommended projects; and
3. Adopt a resolution that authorizes the Executive Officer/APCO to accept, obligate, and expend Congestion Mitigation and Air Quality Improvement grant funding for electric vehicle signage and education.



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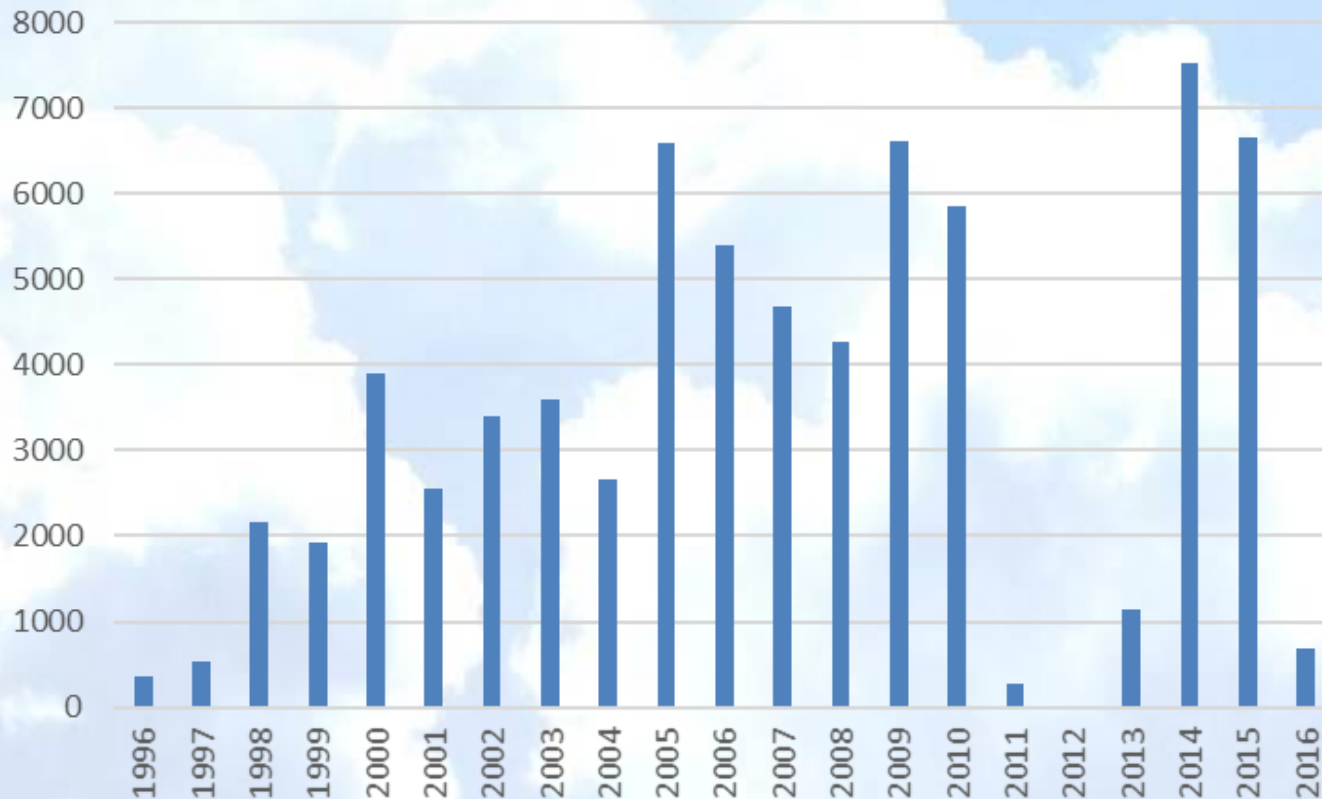
**Selection of Vehicle Buy Back Program  
Contractors**

**Damian Breen  
Deputy Air Pollution Control Officer**

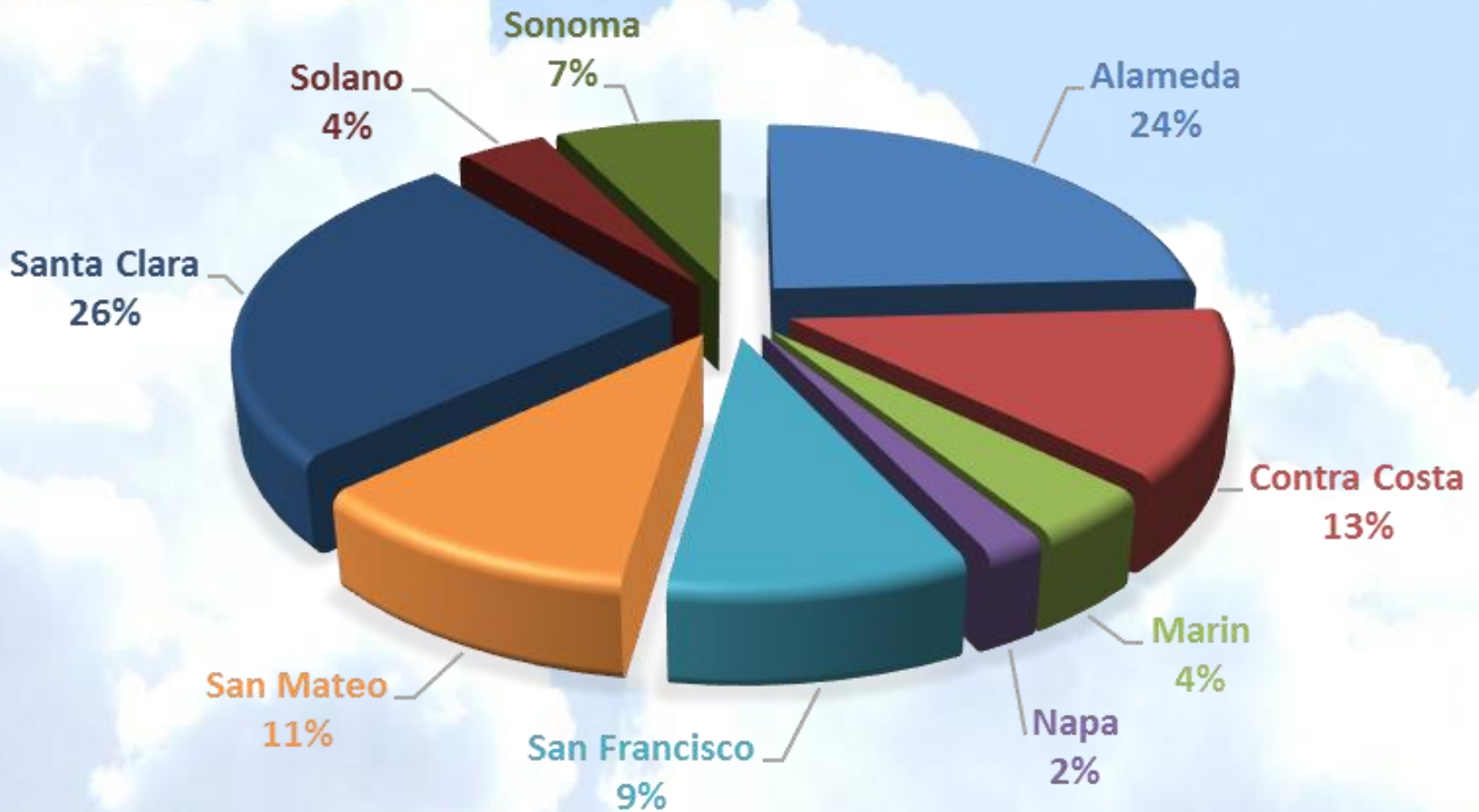
# Overview

- Background
- Request for Proposals (RFP) process
- RFP results
- Recommendations

- Vehicle Buy Back Program (VBB) - voluntary effort to retire older, higher polluting vehicles
- Since 1996, VBB retired more than 70,000 vehicles



# Background



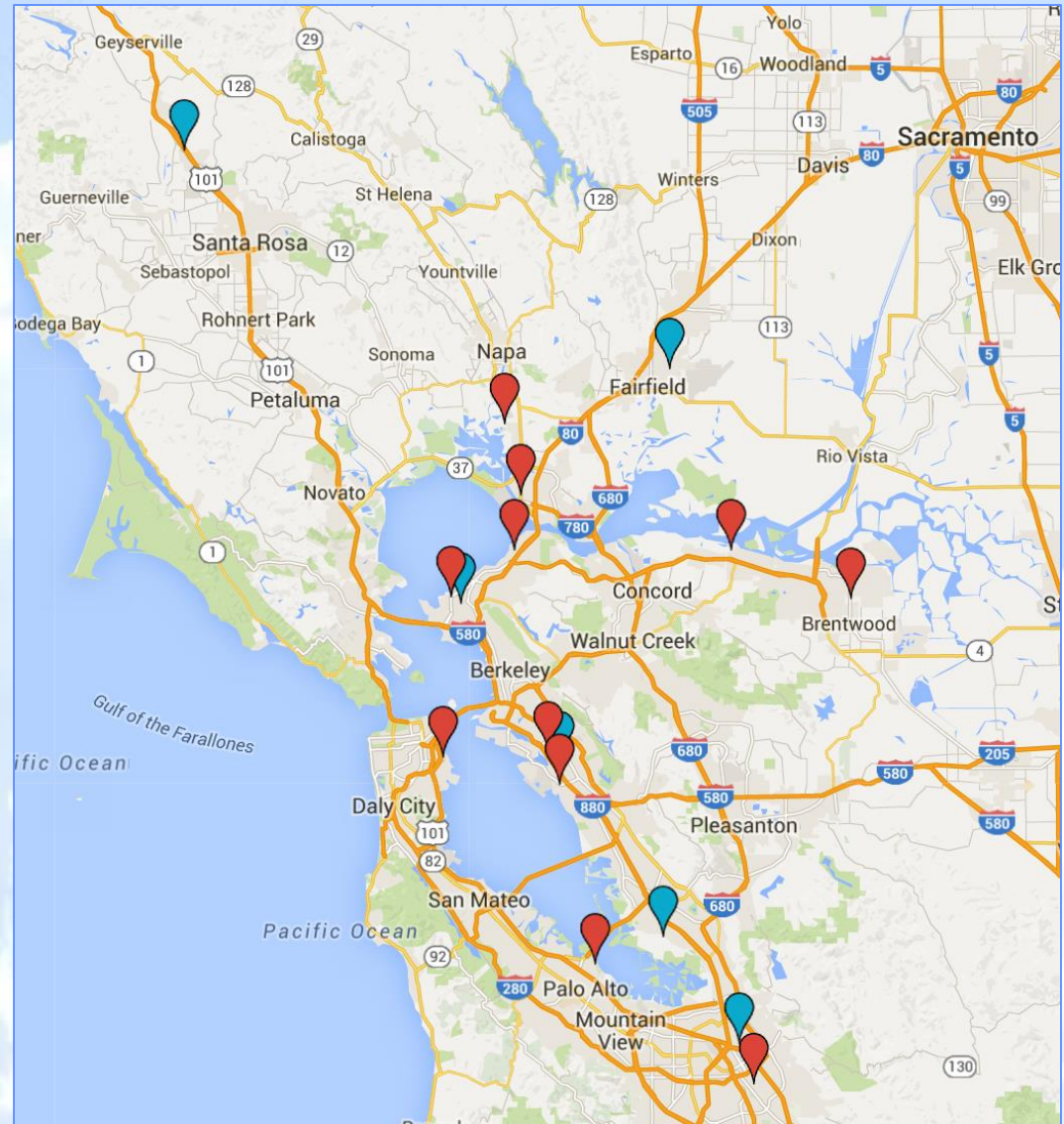


# Background

- Program pays \$1,000 to retire 1994 and older vehicles
- Funded by Carl Moyer Program (CMP), Mobile Source Incentive Fund (MSIF), and Transportation Fund for Clean Air (TFCA)
- VBB Program relies on contractors to:
  - Respond to program questions
  - Qualify participants and file DMV paperwork
  - Reimburse vehicle owners, and
  - Dismantle vehicles
- VBB advertising is conducted by a 3<sup>rd</sup> party direct mail service provider

# VBB Locations

- 17 Bay Area locations
- Two dismantler contractors:
  - ✓ EES (Red)
  - ✓ Pick-n-Pull (Blue)
- One direct mail contractor



# RFP Process

Two request for proposals (RFP) issued on February 25<sup>th</sup> and 26<sup>th</sup> with responses due March 24<sup>th</sup>:

## Vehicle Retirement Contractor

RFP mailed to 93 companies and posted on District website

VBB targeting up to 7,000 vehicle retirements per year

## Direct Mail Contractor

RFP mailed to 25 companies and posted on District website

Direct mail campaign contacts ~15,600 vehicle owners bi-monthly (375,000 annually)

# Vehicle Retirement RFP Results

- Proposals evaluated using five criteria:
  - Cost
  - Advertising
  - Coverage/availability
  - Available resources/  
customer relations
  - Responsiveness of proposal
  
- Two proposals were submitted

<b>Vehicle Retirement RFP Evaluation Results</b>	
<b>Name</b>	<b>Points</b> (100 possible points)
Pick-N-Pull	86
Environmental Engineering Studies, Inc.	58

# Direct Mail RFP Results

- Proposals evaluated using five criteria:
  - Cost
  - Technical expertise
  - Past experience
  - Responsiveness of the proposal
  - Local/green business certification
- Three proposals were submitted

<b>Direct Mail RFP Evaluation Results</b>	
<b>Name</b>	<b>Points</b> (100 possible points)
Direct Mail Center	89
AdMail	87
San Jose Mailing	78

# Recommendations

## *Recommend the Board of Directors:*

1. Approve Environmental Engineering Studies, Inc. (EES) and Pick-N-Pull Auto Dismantlers (Pick-N-Pull) as the vehicle retirement contractors and Direct Mail Center as the direct mail service contractor; for the fiscal year ending (FYE) 2017 Vehicle Buy Back Program (VBB);
2. Authorize the Executive Officer/APCO to execute contracts for:
  - a. Vehicle scrapping and related services with EES and Pick-N-Pull, for a combined amount up to \$7 million; and
  - b. Direct mail services for the VBB Program with Direct Mail Center for up to \$129,698.
3. Authorize the Executive Officer/APCO to extend these services for an additional three years, at the Air District's discretion, based on contractor performance.

# **Bay Area Air Quality Management District Mobile Source Committee**

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**Fiscal Year Ending (FYE) 2017 Transportation  
Fund for Clean Air (TFCA) County Program  
Manager (CPM) Expenditure Plans and Proposed  
Amendments to FYE 2017 CPM Policies**

**Damian Breen  
Deputy Air Pollution Control Officer**

- Background
- FYE 2017 County Program Manager (CPM) Expenditure Plans
- Amendments to two FYE 2017 TFCA CPM Fund Policies
- Recommendations



# TFCA Background

## Transportation Fund for Clean Air (TFCA)

- Funded by \$4 motor vehicle registration fee surcharge
  - 40% to County Program Manager Fund
  - 60% to Regional Fund & Air District-sponsored projects
- Statutory authority and requirements of TFCA are set forth in California Health and Safety Code Sections 44241 and 44242
  - CPMs submit annual Expenditure Plan Application outlining funding available
  - CPMs must allocate available funds within 6 months of District Board's approval of Expenditure Plan

# FYE 2017 Funding for County Program Managers

County Program Manager	Estimated New TFCA Funds	Funds to be Reprogrammed*	Estimated Total FYE 2017 Funds
Alameda County Transportation Commission	\$2,057,614	\$167,055	\$2,224,669
Contra Costa Transportation Authority	\$1,476,265	\$1,732	\$1,477,997
Napa Valley Transportation Authority	\$201,615	\$1,677	\$203,292
San Francisco County Transportation Authority	\$753,824	\$256,000	\$1,009,824
San Mateo City/County Association of Governments	\$1,110,717	\$166,323	\$1,277,040
Santa Clara Valley Transportation Agency	\$2,509,435	\$549,678	\$3,059,113
Solano Transportation Authority	\$356,153	\$2,237	\$358,390
Sonoma County Transportation Authority	\$598,651	\$15,391	\$614,042
Transportation Authority of Marin	\$362,588	\$0	\$362,588
<b>TOTAL</b>	<b>\$9,426,862</b>	<b>\$1,160,093</b>	<b>\$10,586,955</b>

*\*Based on funds available for reprogramming from CPM projects that were completed under budget or canceled during the previous fiscal year and interest accrued.*

# Proposed Amendments to FYE 2017 CPM Policies

- Policies for FYE 2017 adopted by Board 11/18/15
- Proposed change to reflect emission factors update to California Air Resources Board's EMFAC2014 model (Dec. 2015)
- Increase cost-effectiveness limits for:
  - **Policy #27: Existing Regional Ridesharing Services:**  
\$150,000/ton (up from \$90,000/ton)
  - **Policy #28 Existing Shuttles / Feeder Bus Services:**
    - \$200,000/ton (up from \$175,000/ton); and
    - \$250,000/ton for CARE & PDA areas (up from \$200,000/ton)

# Recommendations

## *Recommend the Board of Directors:*

- Approve the allocation of FYE 2017 TFCA CPM Funds listed in Table 1;
- Authorize the Executive Officer/APCO to enter into funding agreements with the CPMs for the total funds to be programmed in FYE 2017, listed in Table 1; and
- Approve the proposed changes to the cost-effectiveness limits set in two FYE 2017 TFCA CPM Fund Policies (Ridesharing and Shuttle/Feeder Bus Services).