




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

February 27, 2014

BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

**FYE 2014 TFCA Regional Fund  
Shuttle and Rideshare Projects**

**Damian Breen  
Deputy Air Pollution Control Officer**

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- Background
  - Summary of Policies and Evaluation Criteria
  - Projects Recommended for Award  
(Full and Reduced Amounts)
  - Projects Not Recommended for Award
  - Recommendations

# Background

Since 1992, funding from \$4 surcharge on Bay Area motor vehicles for projects that reduce on-road vehicle emissions

- 60% of TFCA funds awarded directly by the Air District:
  - Air District led projects and programs (Spare the Air, Enhanced Mobile Source)
  - TFCA Regional Fund Program (competitive program)
- Remaining 40% is distributed to the 9-Bay Area Congestion Management Agencies (County Program Manager Fund)
- Each year the Air District's Board of Directors adopts policies and evaluation criteria for TFCA



# Background (Cont.)

**11/6/13** – Air District Board of Directors:

- Approved TFCA FYE 2014 Regional Fund policies and evaluation criteria
- Allocated up to \$4 million for FYE 2014 Shuttle/Feeder Bus and Ridesharing Projects

**11/20/13** – Call for projects opened

**12/4/13 & 12/10/13** – Grant application workshops held:

- San Francisco and Online webinar (12/4)
- Oakland (12/10)

**12/30/13** – 14 applications received by submittal deadline



# Policies and Evaluation Criteria for FYE 2014 TFCA Regional Fund

## Project-specific Policies:

- Shuttle/feeder bus projects must do the following:
  - Provide connections only between mass transit hubs and distinct commercial or employment areas
  - Not replace or duplicate existing local transit service or service that ceased to operate within the past five years (projects funded in FYE 2013 are exempt from this requirement in FYE 2014)
  - Include only commuter peak-hour service
  - Comply with Board approved cost-effectiveness criteria:
    - Existing shuttle and ridesharing projects CE = \$90,000
    - Pilot shuttle projects CE = \$125,000 and \$500,000 for projects in CARE areas
- Ridesharing projects must be comprised of riders from a minimum of 5 Bay Area counties



# Project Evaluation Results

## **10 projects recommended for award:**

- 7 projects eligible for award at requested amount (\$3,521,518)
- 3 projects eligible for a reduced award amount (\$210,520)

*Total emissions reduced: 66 tons criteria pollutants, 33048 tons CO<sub>2</sub>*

## **4 projects not recommended for funding:**

- Not cost-effective at any dollar amount
- Duplicates local transit service
- Incomplete application/ insufficient information provided



# FYE 2014 Projects Recommended for Award

Project #	Project Sponsor	Proposed Project Title	TFCA Regional Funds Requested	CE of Funds Requested	Proposed Award	PUL (Yrs.)	Est. C-E	ROG	NOX	PM	CO2	County	Project Type	CARE AREA
14R18	Associated Students, San Jose State University	SJSU Ridesharing & Trip Reduction Program	\$ 120,000	\$ 14,675	\$ 120,000	1	same	1.87	1.88	1.81	2,784	SC	RR	NO
14R17	Metropolitan Transportation Commission	511 Rideshare Program	\$ 1,000,000	\$ 22,361	\$ 1,000,000	1	same	10.42	9.48	11.33	16,437	REG	RR	NO
14R13	San Francisco Municipal Transportation Agency	82X Levi Express Shuttle	\$ 122,000	\$ 37,393	\$ 122,000	1	same	0.64	0.42	0.92	1,349	SF	S-E	YES
14R14	Peninsula Corridor Joint Powers Board	Caltrain Shuttle Program (28 Routes)	\$ 1,000,000	\$ 45,162	\$ 1,000,000	1	same	4.87	4.95	5.33	6,298	SM	S-E	NO
14R08	Presidio Trust	PresidiGo Downtown Shuttle	\$ 100,000	\$ 75,106	\$ 100,000	1	same	0.35	0.22	0.32	360	SF	S-E	YES
14R07	City of Oakland	Broadway Shuttle	\$ 219,518	\$ 75,637	\$ 219,518	1	same	0.68	0.58	0.67	961	ALA	S-E	YES
14R16	Santa Clara Valley Transportation Authority	ACE Shuttle Bus Program (8 Routes)	\$ 960,000	\$ 88,366	\$ 960,000	1	same	2.20	2.48	2.61	3,643	SC	S-E	NO
<b>Total:</b>					<b>\$ 3,521,518</b>			<b>21.03</b>	<b>20.01</b>	<b>22.99</b>	<b>31,832</b>			



# FYE 2014 Projects Recommended for Reduced Award

Project #	Project Sponsor	Proposed Project Title	TFCA Regional Funds Requested	CE of Funds Requested	Proposed Award	PUL (Yrs.)	Est. C-E	ROG	NOX	PM	CO2	County	Project Type	CARE AREA
14R12	Altamont Corridor Express	Routes 53 & 54 <sup>1</sup> (2 Routes)	\$ 94,000	\$ 119,003	\$ 50,600	1	\$ 89,906	0.33	0.23	0.41	501	ALA	S-E	NO
14R09	Alameda County	Bay Fair BART Shuttle <sup>1</sup>	\$ 131,527	\$ 721,579	\$ 16,400	1	\$ 89,973	0.04	0.02	0.04	43	ALA	S-E	YES
14R11	City of Richmond	Commuter Shuttle <sup>2,3</sup> (2 Routes)	\$ 224,640	\$ 147,914	\$ 143,520	1	\$ 131,360	0.34	0.35	0.34	672	CC	S-Pilot	YES
<b>Total:</b>					<b>\$ 210,520</b>			<b>0.71</b>	<b>0.60</b>	<b>0.79</b>	<b>1,216</b>			

<sup>1</sup> Reduced funding to make project C/E

<sup>2</sup> CARE Area Pilot Project

<sup>3</sup> Partial funding - Portions of one route duplicate existing service





# FYE 2014 Projects Not Recommended for Award

Project Sponsor	Proposed Project Title	TFCA Regional Funds Requested	PUL (Yrs.)	C-E	ROG	NOx	PM	CO2	County	Project Type	CARE AREA
Town of Colma	Colma BART Shuttle <sup>1</sup>	\$26,814	1	\$105,450	0.06	0.06	0.06	87	SM	Pilot Shuttle Service	NO
Golden Gate Bridge, Highway & Transportation District	"The Wave" Ferry Feeder Service <sup>2</sup>	\$68,100	1	\$(562,606)	-0.04	-0.38	0.06	-27	MAR	Pilot Shuttle Service	NO
San Francisco Municipal Transportation Agency	University of California, San Francisco Mission Bay Shuttle <sup>1, 3</sup>	\$90,000	1	CBD	-	-	-	-	SF	Pilot Shuttle Service	YES
San Francisco District Attorney's Office	Shuttle Service <sup>1, 3</sup>	\$236,159	1	CBD	-	-	-	-	SF	Pilot Shuttle Service	YES

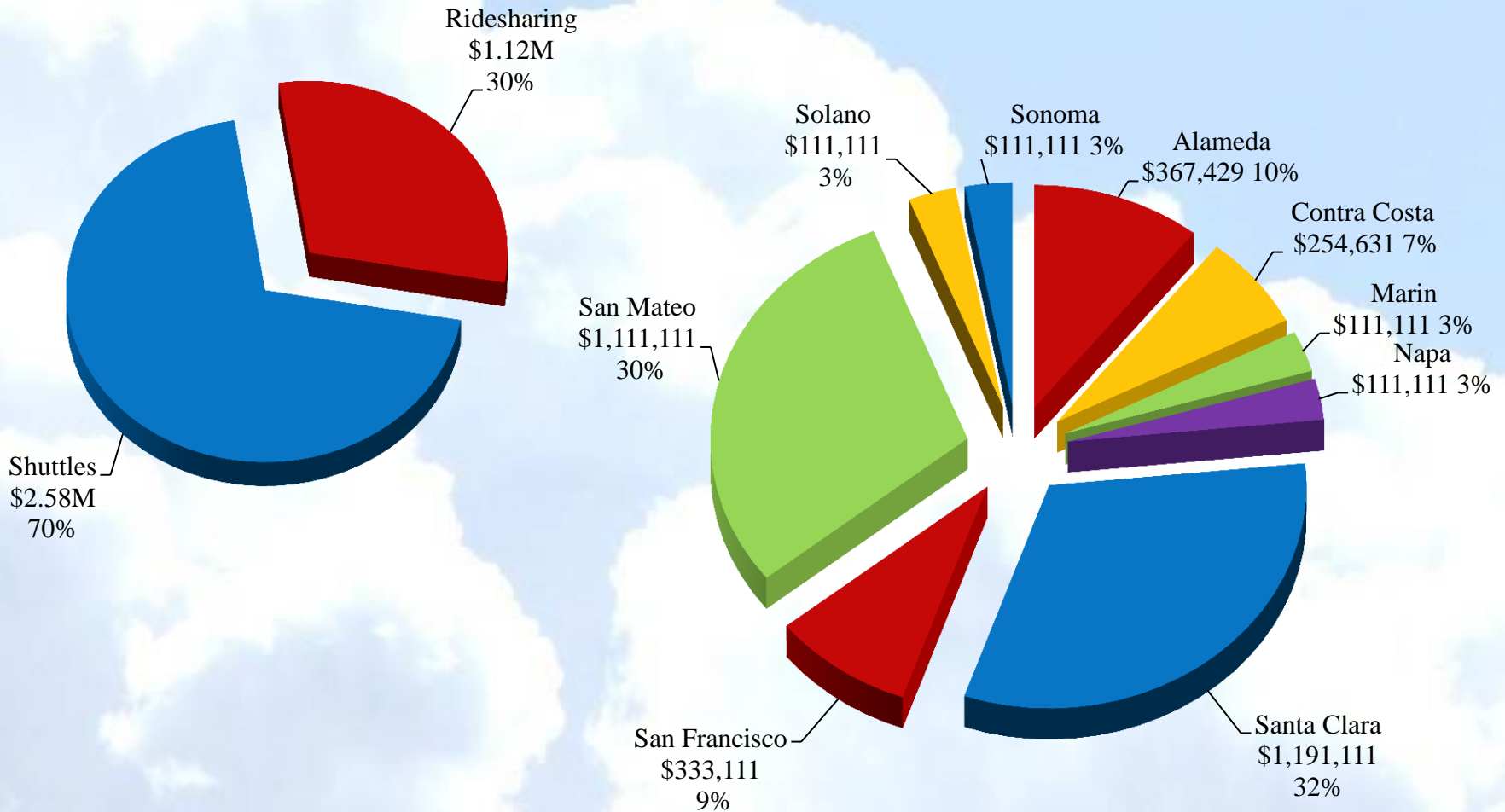
<sup>1</sup> Route does not meet the TFCA FYE 2012 Criteria - Duplication of Service.

<sup>2</sup> Not cost effective at any Regional Fund amount

<sup>3</sup> Incomplete application - Cost effectiveness cannot be determined



# Summary of FYE 2014 TFCA Projects Recommended for Award





# Recommendations

## *Request the Committee recommend the Board of Directors:*

1. Approve awards for the TFCA Shuttle, Ridesharing and Vanpool projects listed in Attachment A.
2. Authorize the Executive Officer/APCO to enter into agreements for the recommended TFCA projects in Attachment A in the amount of \$3,732,038.



**AGENDA: 5**

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

February 27, 2014

## **Air District Grant Programs Overview**

**Damian Breen**

**Deputy Air Pollution Control Officer**

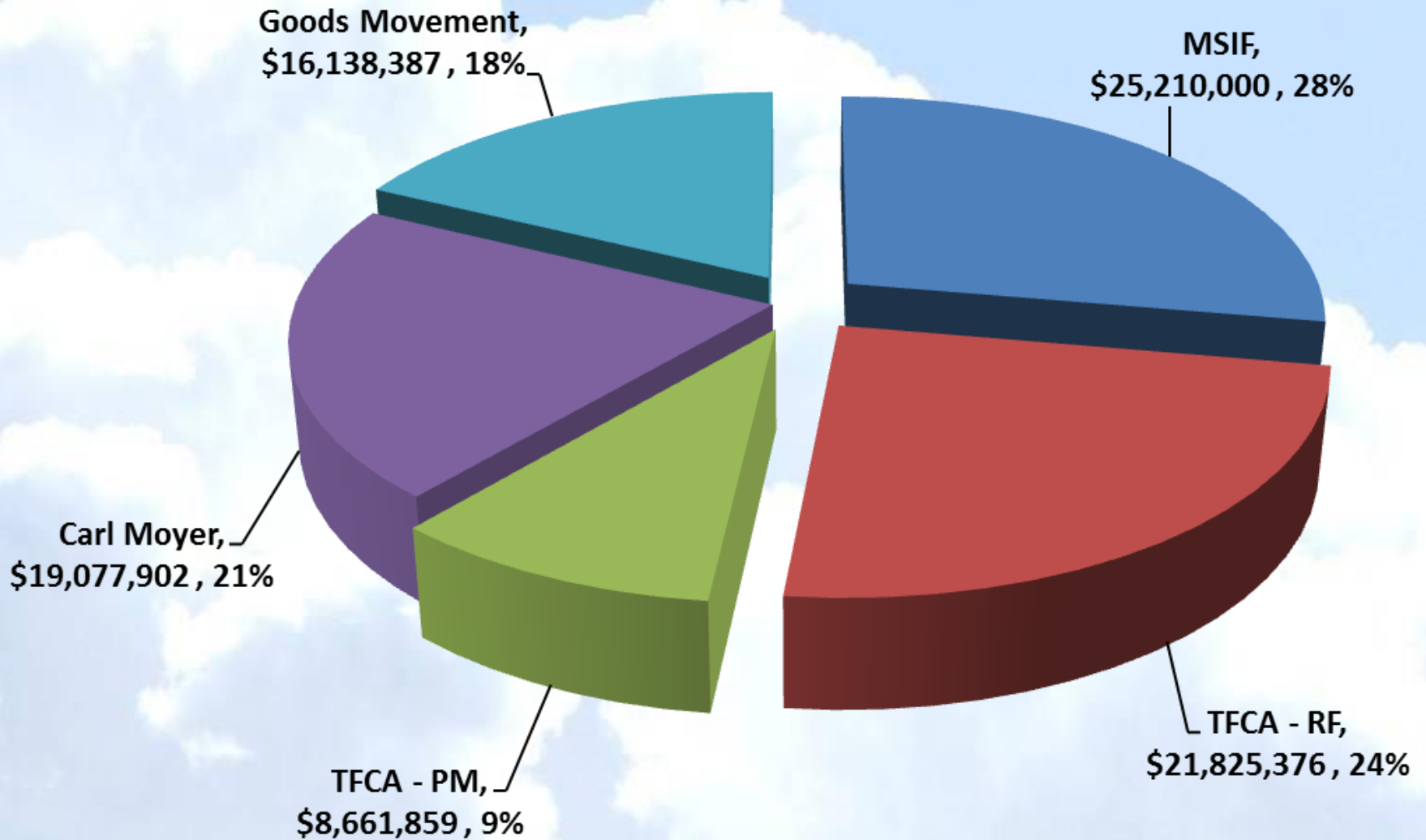
# Overview

- Background
- Recap of 2013 Allocations
- 2014 Funding Projection
- Upcoming activities

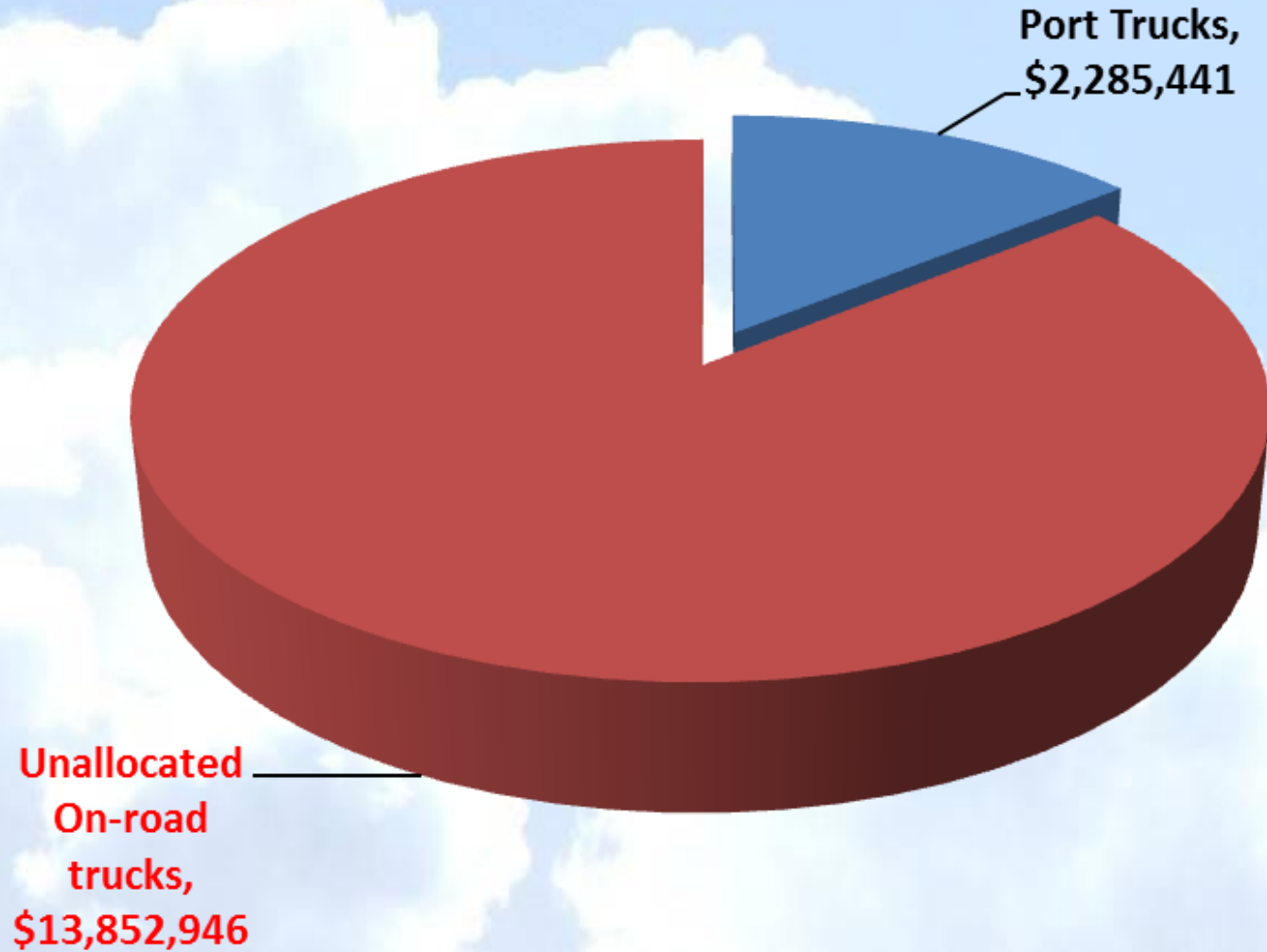
# Background

- **Calendar Year 2013 - \$90 million allocated to reduce emissions from mobile sources:**
  - Air District's primary grant programs:
    - Carl Moyer Program (CMP)
    - Mobile Source Incentive Fund (MSIF)
    - Transportation Fund for Clean Air (TFCA)
    - California Goods Movement Bond (I-Bond)
  - \$8 million to Transportation Fund for Clean Air (TFCA) County Program Managers
  - Federal grants for port trucks, and alternative fuels projects

# 2013 Allocations: \$90 M

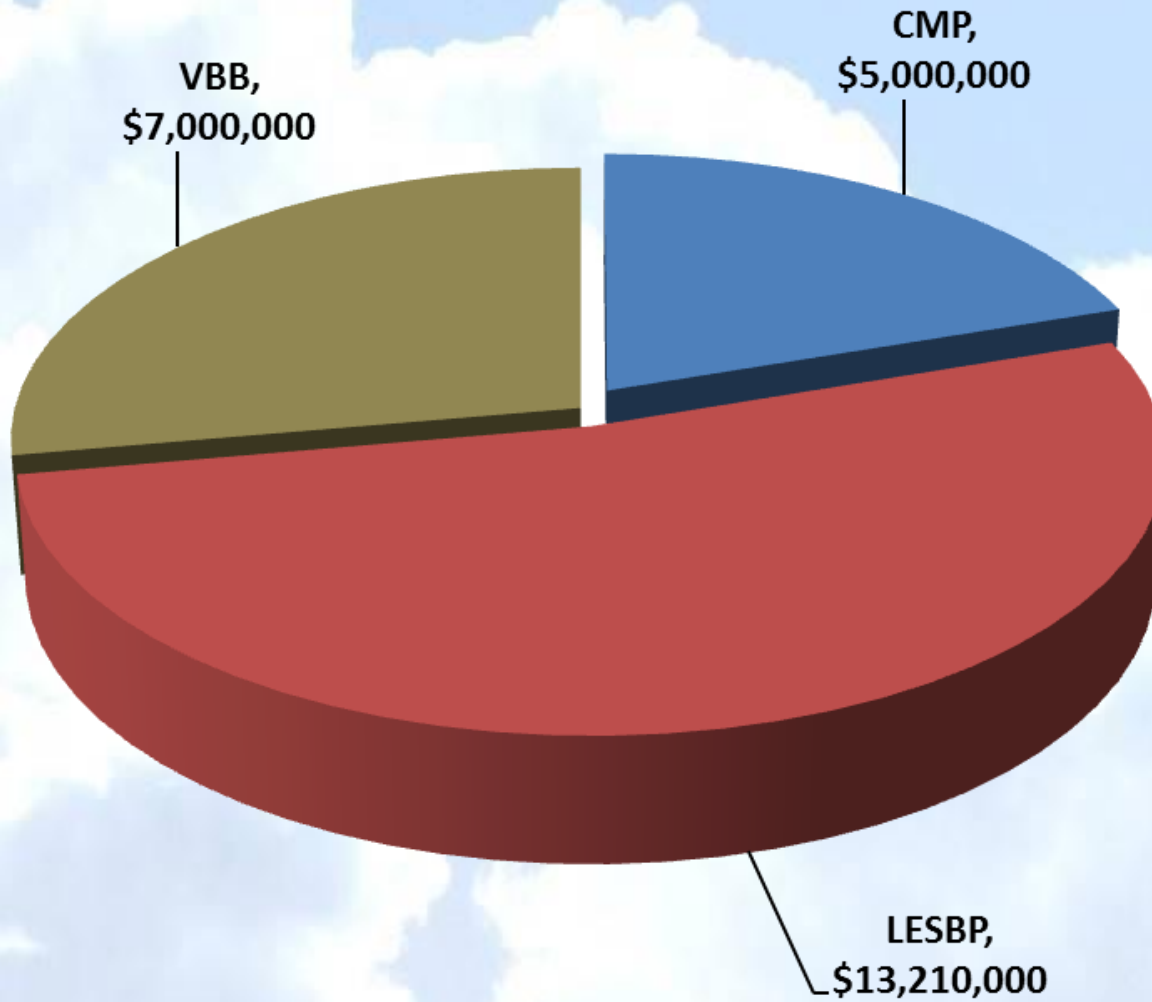


# 2013 I-Bond Allocations: \$16 M

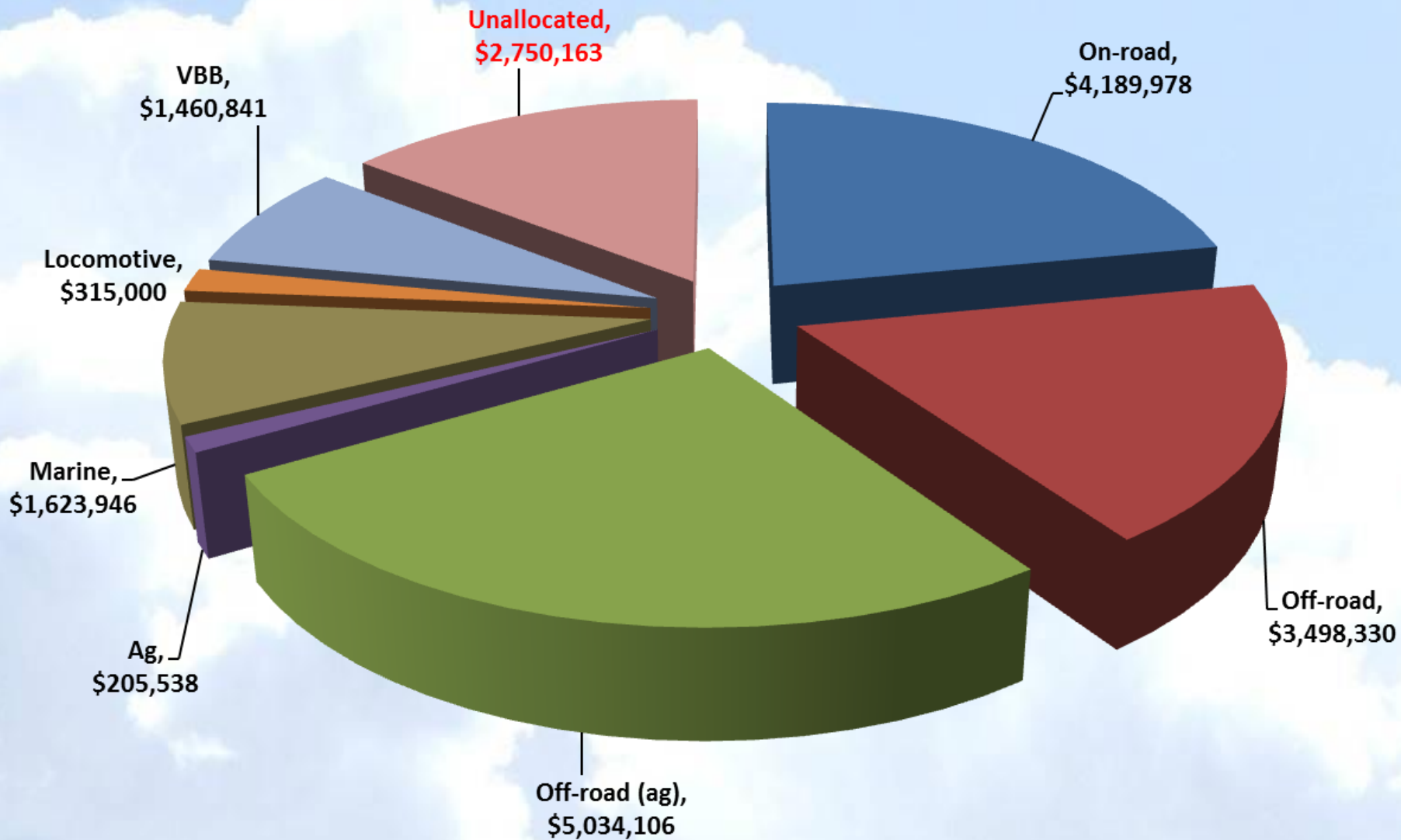




# 2013 MSIF Allocations: \$25.2 M

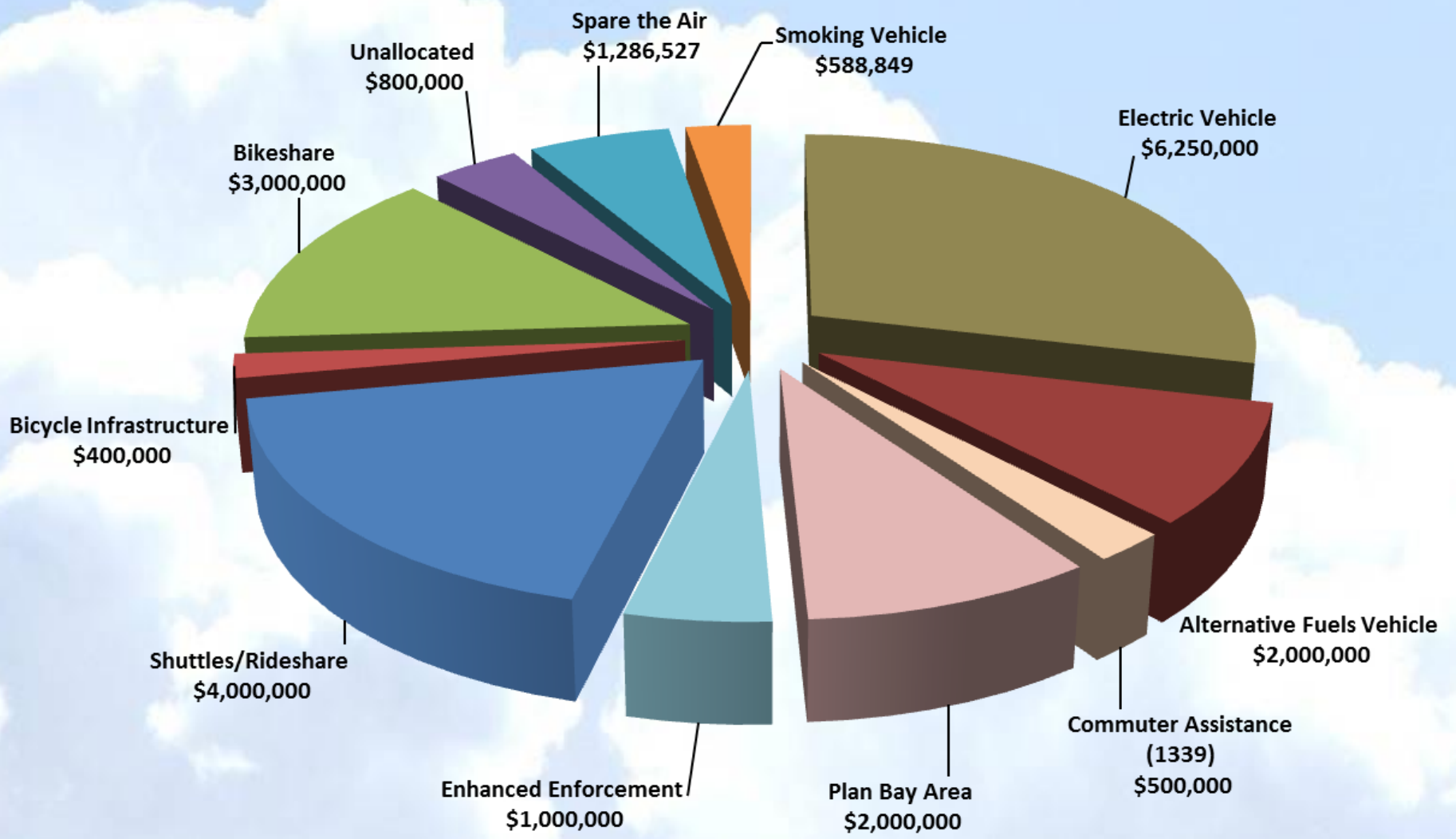


# 2013 CMP Allocations Years 14 and 15: \$19 M

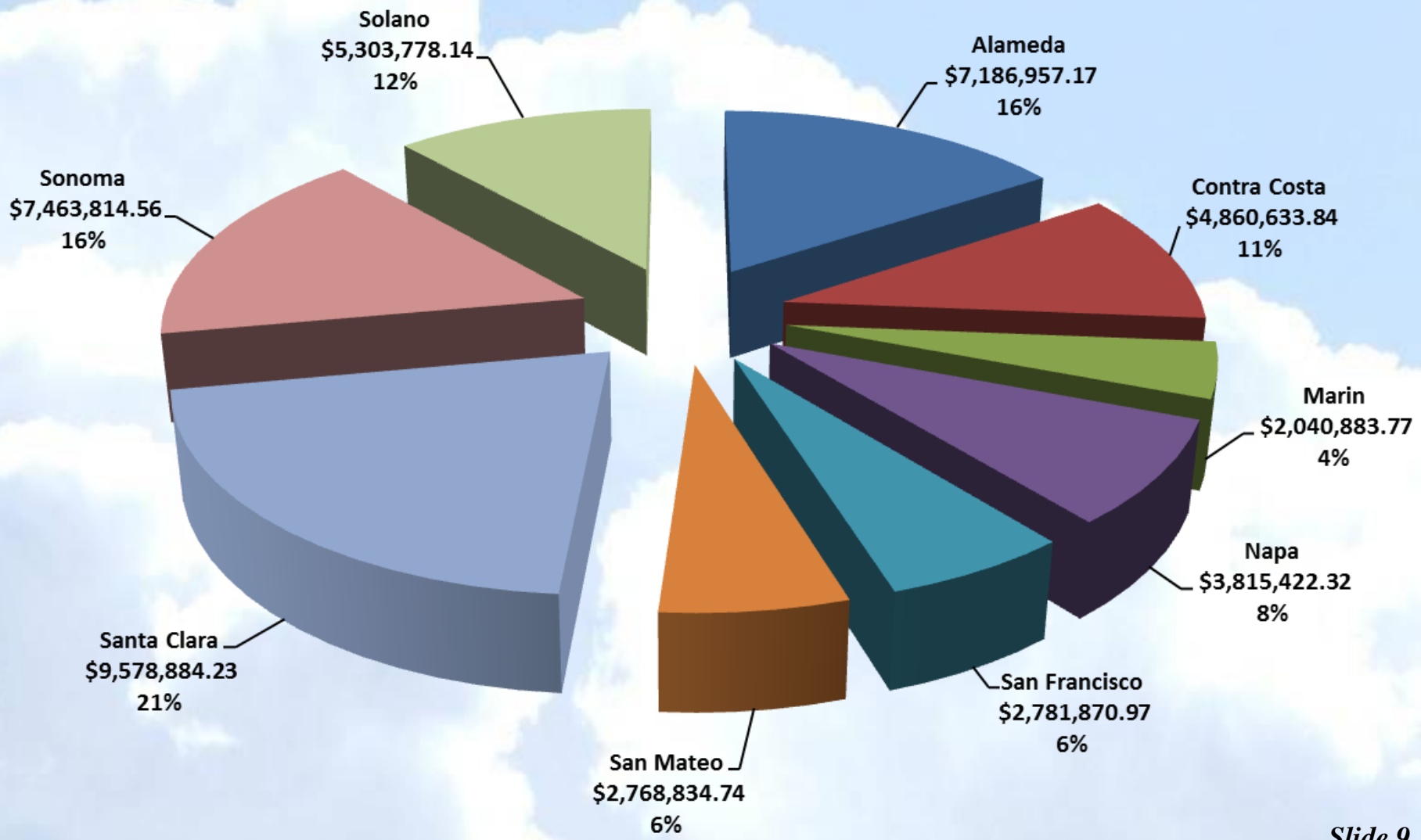


# 2013 TFCA Allocations:

## \$21 M



# 2013 Expenditures by County



# 2013 Highlights

- CMP/ MSIF Reauthorization to 2024
- Bike share program launched
- Shore power projects completed
- VBB program re-started
- Plug-in Electric Vehicle Readiness Plan completed
- Continued emphasis on truck replacements

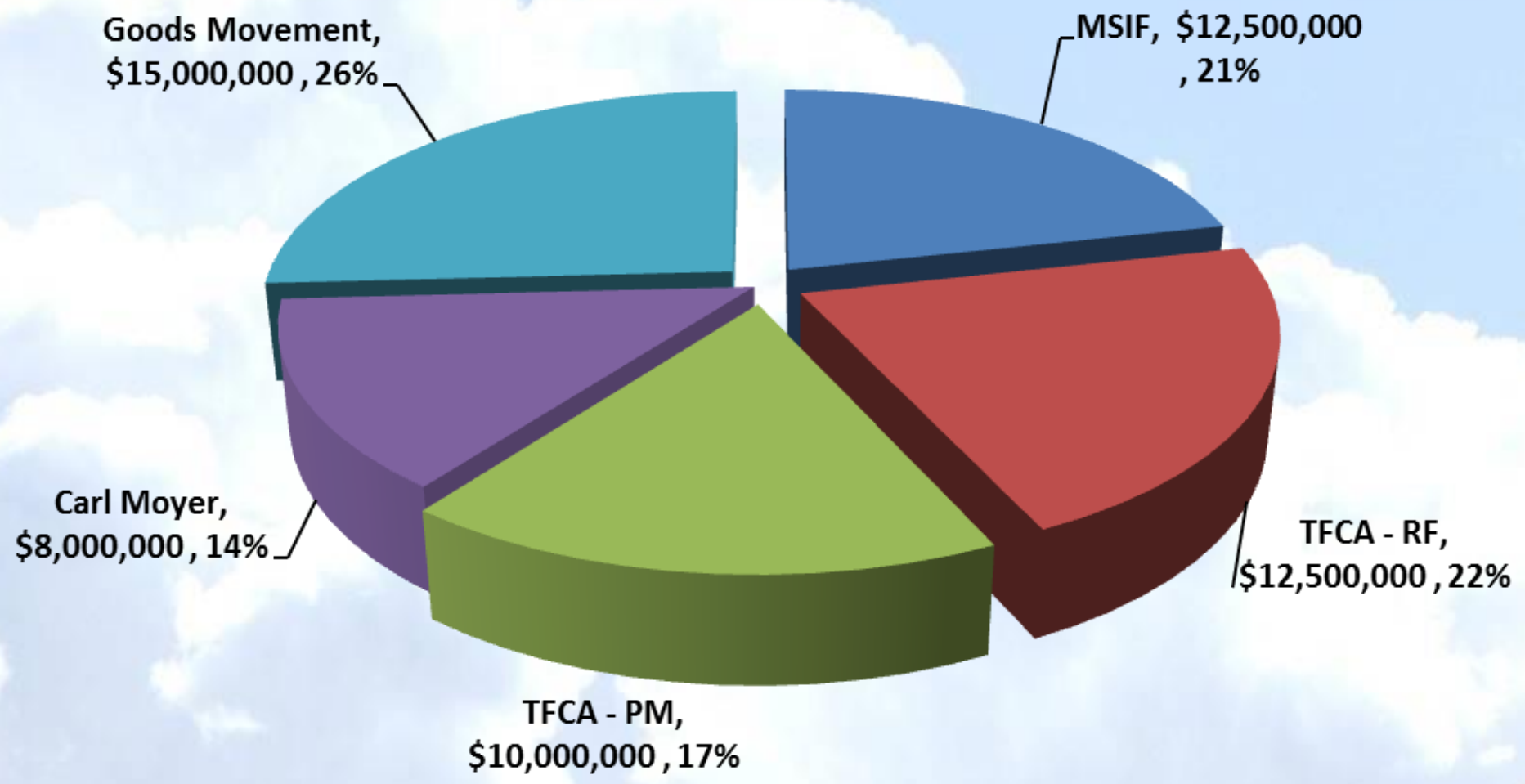
# Emissions Reductions

## **Emissions reduced by \$45 million in 2013 allocations:**

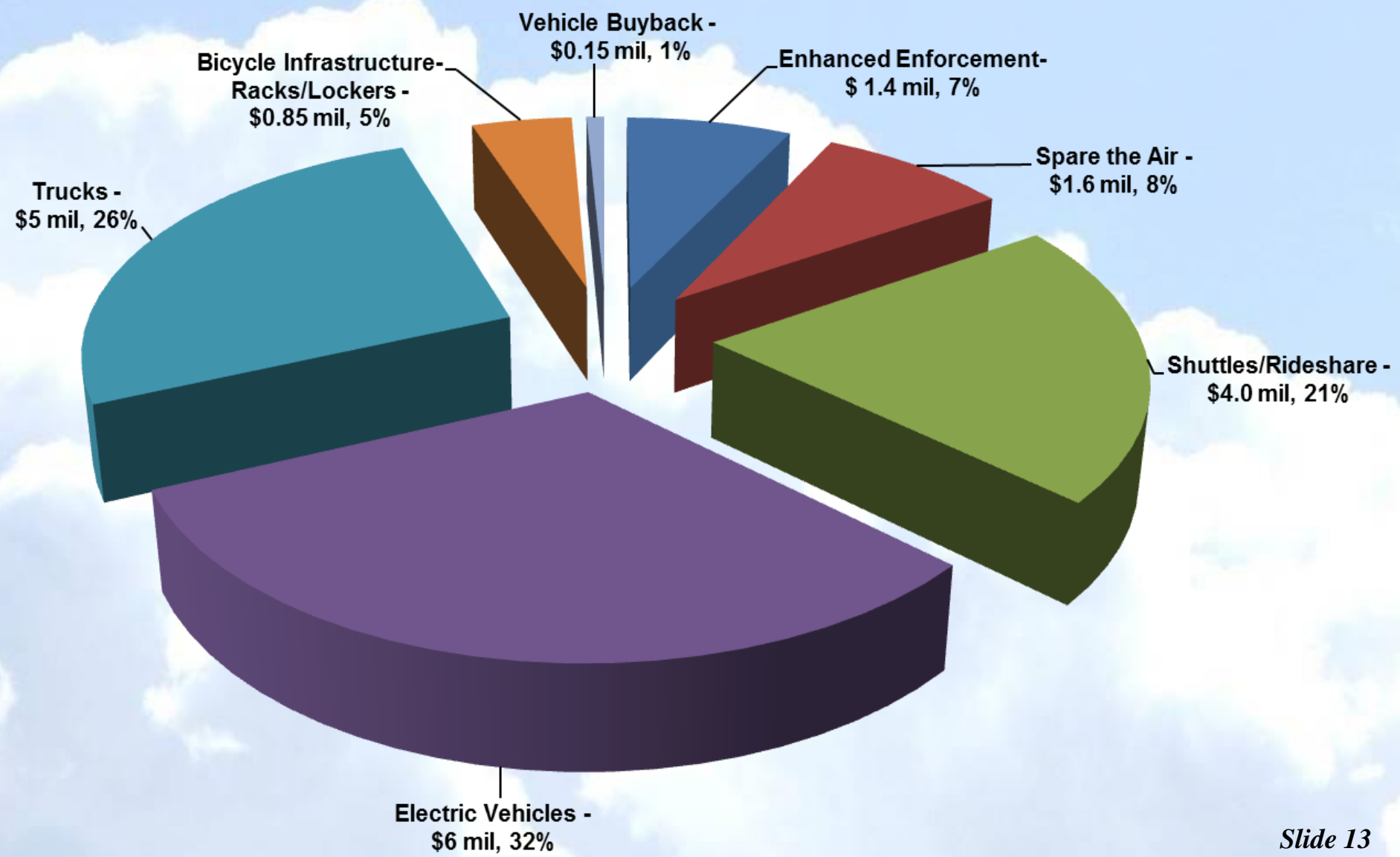
- Particulate Matter (PM) – 21 tons per year
- Nitrogen Oxides (NO<sub>x</sub>) – 336 tons per year
- Reactive Organic Gases (ROG) – 41 tons per year
- Greenhouse Gases\* – 33,367 tons per year

\*Not all programs report GHG reductions

# 2014 Projection: \$58 M



# 2014 Proposed TFCA Allocations: \$19 M





# Upcoming activities

- Continued emphasis on truck projects through 2014
- Lawn mower exchange events – Spring 2014
- TFCA Regional Fund Policies & allocations – May 2014
- Prepare for ARB/ DOF audits – Summer/ Fall 2014
- Cap and Trade revenue



**AGENDA: 6**

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

February 27, 2014

## **On-road Truck Replacement Funding**

**Damian Breen  
Deputy Air Pollution Control Officer**

# Overview

- On-road truck and bus regulation
- Goods Movement Program update
- Staff Recommendations

# On-road Truck Regulation

- In December 2008 ARB approved the Truck & Bus Regulation
- Applies to all diesel trucks > 14,000 lbs
- Over 35,000 on-road trucks in the Bay Area over 26,000 lbs

Compliance date	ARB Compliance requirement				
	Lighter trucks (14,001 lbs to 26,000 lbs)	Heavy-duty trucks (>26,000 lbs)		School buses (14,001 lbs +) 26,000 lbs)	
		Small fleet (1-3 trucks)	Large fleets (4+ trucks)		
			Phase-in		BACT/ Model Year
1/1/2012	None	None	30% of fleet retrofitted	Retrofit trucks w/ 1996-1999 engines	33% of fleet retrofitted
1/1/2013	None	None	60% of fleet retrofitted	Retrofit trucks w/ 2000-2004 engines	66% of fleet retrofitted
1/1/2014	None	Retrofit 1 truck in fleet	90% of fleet retrofitted	Retrofit trucks w/ 2005-2006 engines	100% of fleet retrofitted
1/1/2015	Replace trucks w/ 1995 & older engines	Retrofit 2nd truck in fleet	90% of fleet retrofitted	Replace trucks w/ 1993 and older engines	None

# On-road Truck Regulation

- **ARB Regulatory changes – 11/11/13 Advisory**

- Allows truckers (of any size fleet) that make a **good faith effort** to comply with the regulation's 1/1/14 deadline to operate their truck(s) without being subject to enforcement action until 7/1/14.
- Good faith efforts/trucker actions:
  - Entered into an agreement with a retrofit installer on, or before 1/1/14
  - Signed a purchase contract and ordered a replacement truck equipped with a PM filter (2007 model year engine or newer)
  - Were approved or denied a loan or other financing for a retrofit PM filter or for a replacement truck equipped with a PM filter
  - Small fleets that meet the requirements of the Proposition 1B Goods Movement Program, apply for grant funding through by the 12/12/13 deadline, and report into TRUCRS

- **Goods Movement Program Year 4 funding cycle**
  - Application period 8/26/13 – 12/12/13
  - \$14.5 million available for truck projects (~360 trucks)
  - Up to \$50k for truck replacement projects
  - Prioritized funding for small fleets
  - Trucks must be on the road by the end of 2014
- **Year 4 projects**
  - Over \$31 million in applications (~800 trucks)
  - About 50% of the applications were from small fleets
  - Existing funds do not match the program demand

# Proposed Actions

- Amend Policy #21 of FYE2014 TFCA Regional Fund Policies to allow funding of truck replacements (**Attachment 1**)
  - Draft changes sent for public comment on 1/24/2014 – no comments received
- Allocate \$5 million in TFCA Regional Funds for truck replacement projects
  - Replace ~125 trucks
  - Limited to Bay Area registered trucks
  - Must have submitted an application as part of the Year 4 I-Bond solicitation and meet the Program requirements

# Next Steps

- Continue GMP Yr 4 implementation
- Work with ARB on rule revisions
- Seek additional GMP funding
- Outreach to Bay Area truckers



# Recommendations

## *Request the Committee recommend the Board of Directors:*

1. Approve the changes to the FYE 2014 Transportation Fund for Clean Air (TFCA) Regional Fund Policies to include on-road truck replacement projects as an eligible project type.
2. Allocate \$5 million in TFCA Regional Funds for eligible projects submitted as part of the Year 4 Goods Movement Program.
3. Authorize the Executive Officer/APCO to enter into all contracts for eligible projects.