



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

February 26, 2015

Projects with Proposed Awards over \$100,000

**Damian Breen
Deputy Air Pollution Control Officer**

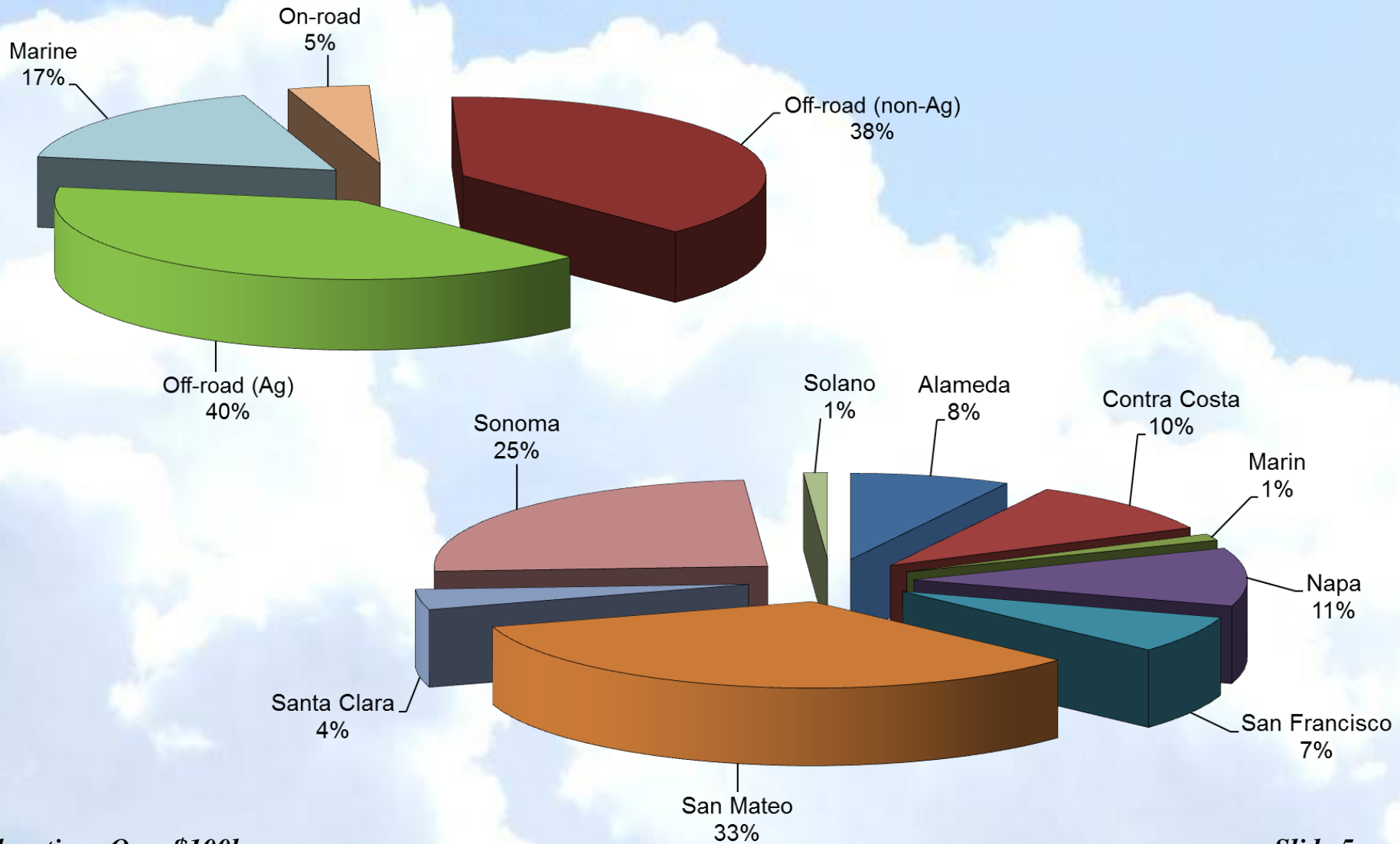
- Background
- Proposed projects with awards over \$100,000
- Recommendations

- **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

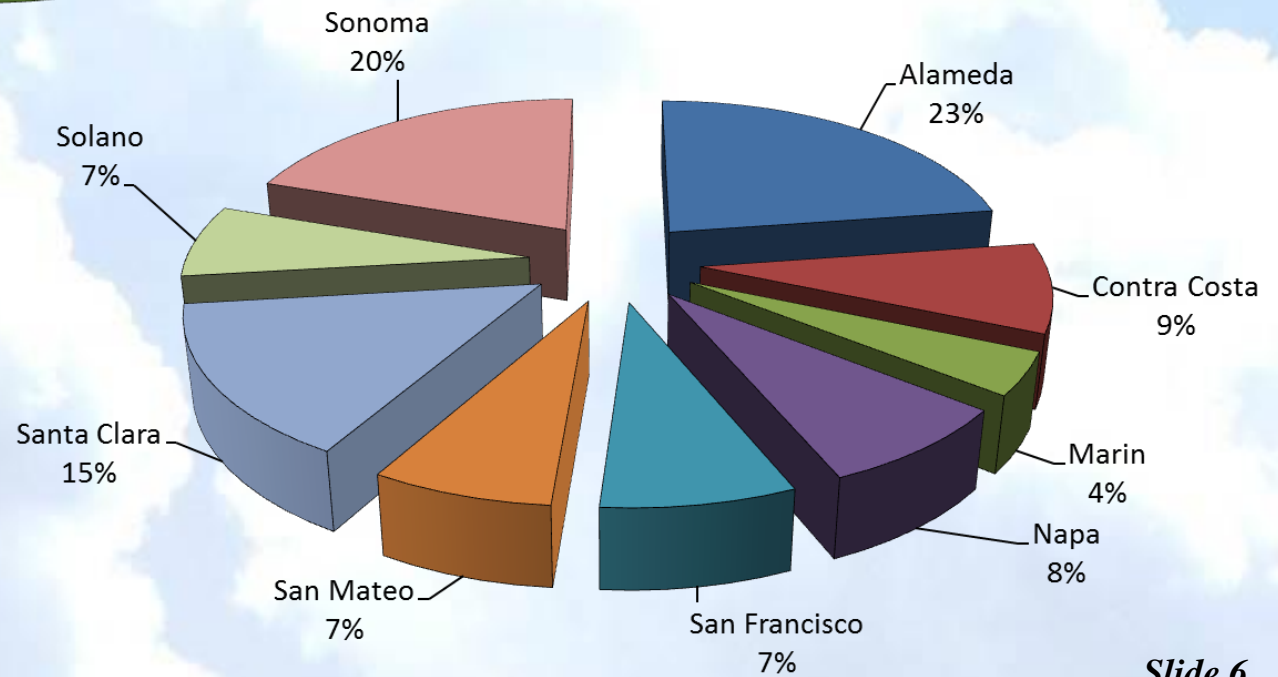
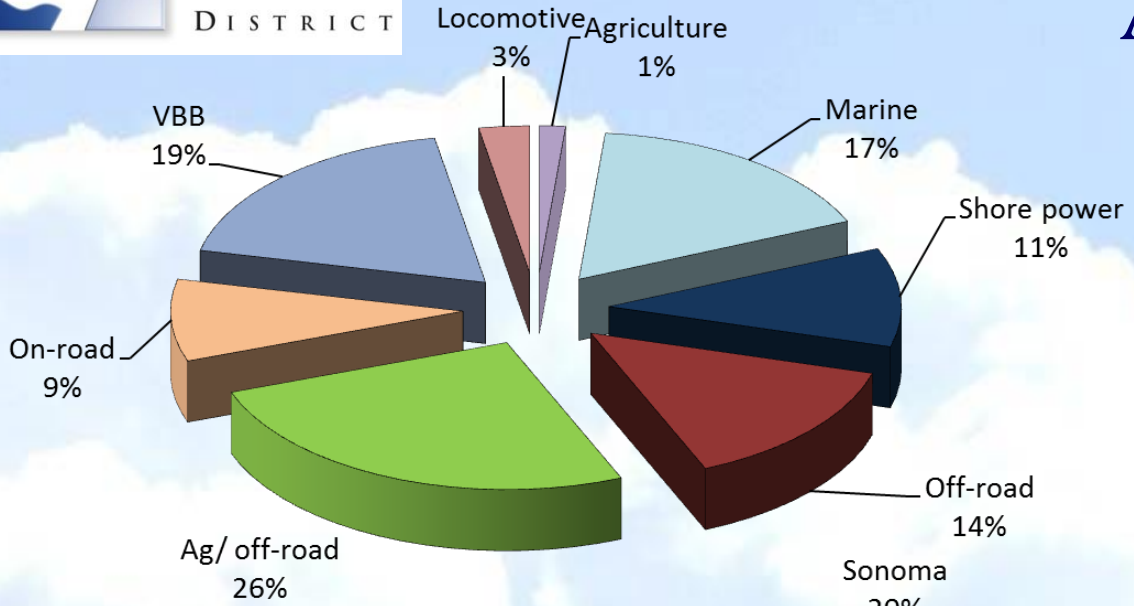
- **On 2/19/14 District Board of Directors:**
 - Approved participation in CMP Year 16
 - Authorized Executive Officer/APCO to execute contracts and amendments with grant awards up to \$100,000
- **CMP Project Recommendations over \$100k**
 - 3 Projects to reduce emissions from
 - 8 tractors
 - 87 pieces of airport ground support equipment
 - \$2,952,950 in total awards
 - Emission reductions: Over 19.3 Tons Per Year (TPY) of criteria pollutants

CMP, MSIF and VIP Funds

Awarded as of 2/9/15



CMP, VIP, and MSIF Funds Awarded since 2009



Recommendations

Recommend the Board of Directors:

1. Approve CMP projects with proposed grant awards over \$100,000.
2. Authorize the Executive Officer/APCO to enter into agreements for the recommended projects.



AGENDA: 5

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Transportation Fund for Clean Air (TFCA) Audit Report

Damian Breen
Deputy Air Pollution Control Officer

- Background
- TFCA Audit #15
 - Process
 - Findings and Air District Responses
 - Trends
- Recommendation

- **Transportation Fund for Clean Air (TFCA)**
 - Funded by \$4 motor vehicle registration fee surcharge
 - 60% to Regional Fund & Air District-sponsored projects
 - 40% to County Program Manager Fund
- **Health and Safety Code (HSC) Requirements**
 - *Section 44242*: requires a fiscal audit of all projects and programs funded with TFCA monies

- Air District's Board of Directors approved contract with Gilbert Associates, Inc. (Gilbert):
 - June 15, 2011 to conduct Audit #13
 - December 5, 2012 to conduct Audits #14 and #15
- Gilbert conducted financial and compliance audits of:
 - 35 TFCA Regional Fund and Air District-sponsored programs that closed 7/1/12 – 6/30/13
 - 144 County Program Manager Fund projects that closed 7/1/11 – 6/30/13

Audit #15

Regional Fund Findings and District's Responses

Sponsor Findings:

- 2013-1: Late Filing of Reports
- 2013-2: Unfiled Reports

Air District Response:

- Continue to strengthen District's Administrative Procedures:
- Require correction of findings in order to be eligible for future funding
- Explore other options

Audit #15

County Program Manager Fund Findings and District's Response

Sponsor Finding:

- Marin County Program Manager:
 - *Reports not submitted by the due date of October 31, 2011*

Air District Response:

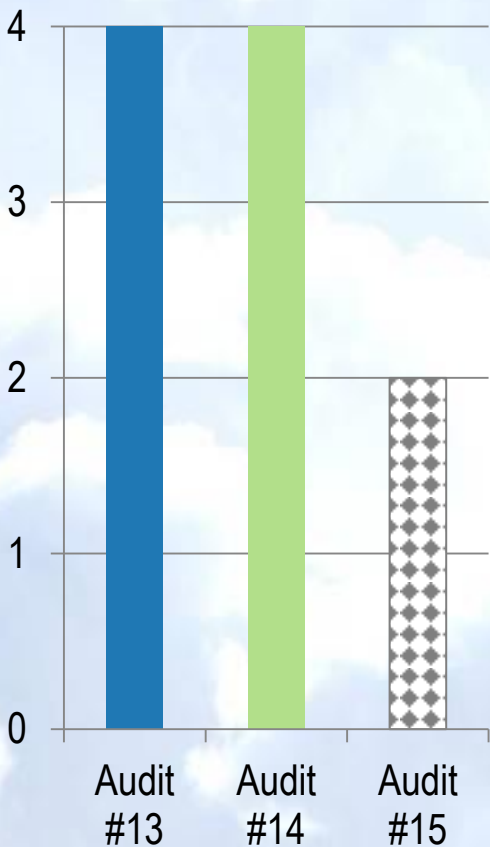
- Continue to strengthen District's Administrative Procedures
- Require correction of findings in order to be eligible for future funding
- Explore other options



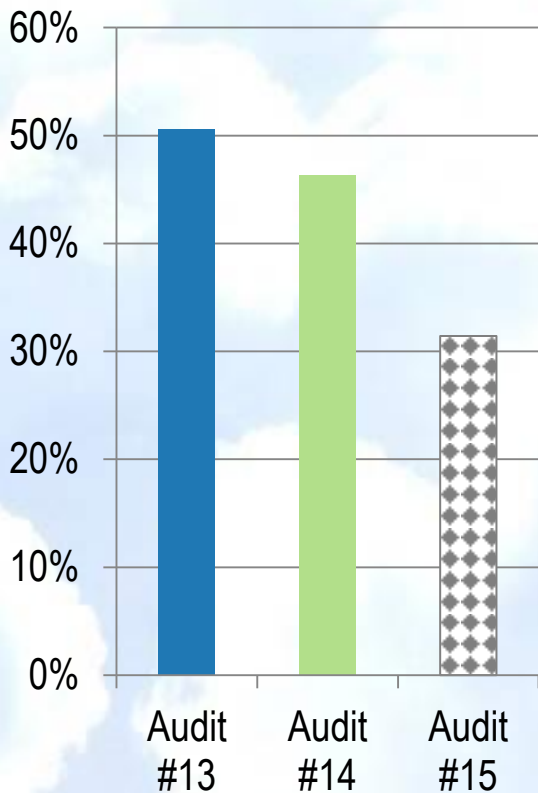
Audit #15

Trends

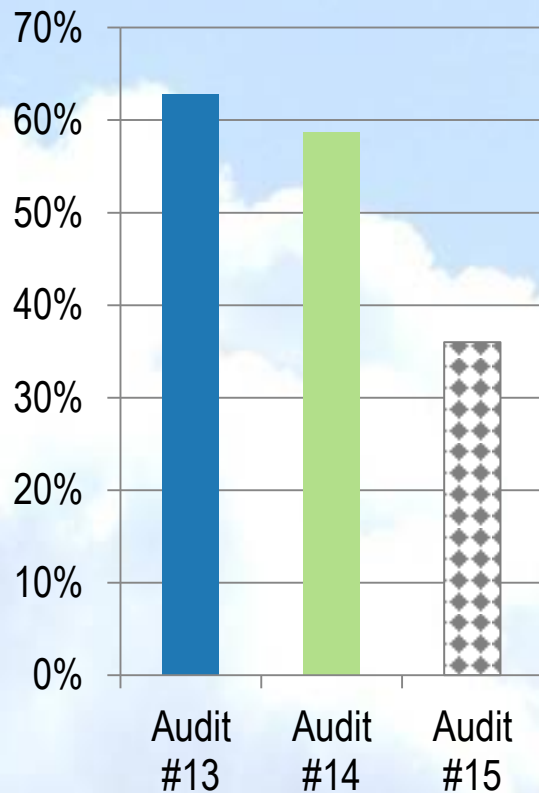
of Finding Types



% of Projects with Findings



% of Sponsors with Findings



Recommendation

None. Informational item only, receive and file.



AGENDA: 6

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Residential Lawn Mower Replacement Program

Damian Breen
Deputy Air Pollution Control Officer

Overview

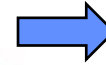
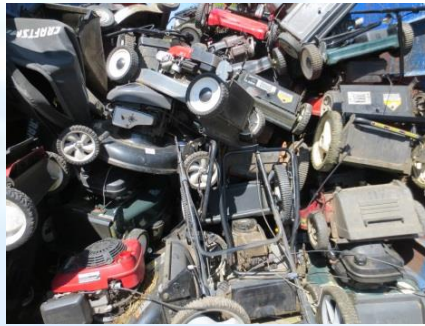
- Background
- Project Description
- Recommendations

Background

- Lawn mower replacement programs reduce emissions by replacing existing gasoline equipment with zero-emission equipment
- Bay Area
 - Approximately 865,000 gasoline lawn mowers
 - Annual Emissions (tons): 1,120 ROG, 50 NO_x, 24 PM & 9,680 CO₂
- Equipment replacements are not required by regulation, so all emissions reduced by zero-emission replacements are voluntary
- **2014 Lawn Mower Exchange Program**
 - Three exchange events - North Bay, Central Bay, and South Bay
 - \$59,595 in grant funds to replace 411 lawn mowers
 - Reductions (lbs./yr) – 467 ROG, 29.2 NO_x, and 19.7 PM

Project Description

- Project will replace residential gasoline lawn mowers with cordless, battery-powered, zero-emission lawn mowers



- Participants will be able to select from at least 15 manufacturers
- Equipment to be replaced will be scrapped through contracted metal recyclers
- Project will commence in Spring 2015 and run continuously - as opposed to previous District programs which have been intermittent

Project Description

- **Funding:**

- \$300,000 in Carl Moyer Program (CMP)/Mobile Source Incentive Funds (MSIF) would be allocated for the program
- CMP Guideline limits participant rebates to \$145
- Cordless electric lawn mowers range in price from ~\$150 to \$450

- **Expected outcome:**

- Replace over 2,000 gasoline lawn mowers
- Reduce yearly emissions (lbs): 2,350 ROG, 147 NO_x, 99 PM & 46,200 CO₂



Recommendations

Request the Committee recommend the Board of Directors:

1. Allocate \$300,000 in Carl Moyer Program/Mobile Source Incentive Funds (MSIF) to implement the residential lawn mower replacement program.
2. Authorize the Executive Officer/APCO to execute agreements with one or more metal recycling facilities to help administer the residential lawn mower replacement program.