



Monterey Bay Air Resources District
BOARD OF DIRECTORS MEETING AGENDA

ZACH FRIEND, CHAIR

WEDNESDAY, AUGUST 16, 2023 - 1:30 P.M.

24580 Silver Cloud Court, 3rd Floor, Monterey, CA 93940

ZOOM MEETING OPTION FOR PUBLIC PARTICIPATION

Link to meeting: <https://us02web.zoom.us/j/82785247738>

Webinar ID: 827 8524 7738

By Phone (audio only; Webinar ID required): 1-669-900-6833

Members of the public that wish to participate in the meeting may do so by joining the Zoom Webinar ID, attending in-person at 24580 Silver Cloud Ct. Monterey, or attending in-person at remote teleconference locations when listed above. Should you have any questions, please contact Sirie Thongchua, Executive Assistant, at (831) 718-8028 or by email at sirie@mbard.org.

To Provide Public Comment via Zoom teleconference/video conference: During the live meeting verbal public comments may be made by members of the public joining the meeting via Zoom. Use the “raise hand” feature (for those joining by phone, press *9 to “raise hand”) during the public comment period for the agenda item you wish to address. Members of the public participating via Zoom will be muted during the meeting and may be unmuted to speak during public comment after requesting and receiving recognition by the Chair. Please clearly state your full name for the record at the start of your public comment.

To Submit Public Comment Before the Meeting: Persons who wish to address the Board for public comment of an item not on the agenda are encouraged to submit comments in writing to Sirie Thongchua, Executive Assistant, at sirie@mbard.org by 5:00 p.m. on Monday, August 14, 2023. Comments received will be distributed to the Board prior to the meeting.

SUMMARY OF ACTIONS

1. CALL TO ORDER – **The meeting was called to order by Chair Friend at 1:37 p.m.**
2. PLEDGE OF ALLEGIANCE
3. ROLL CALL - **Present:** Wendy Askew, Mary Ann Carbone, Zach Friend, Felipe Hernandez, Kollin Kosmicki, Mike LeBarre, Orlando Osornio, Luis Alejo (Alternate for Glenn Church and Chris Lopez). **Absent:** Glenn Church, Chris Lopez, Dolores Morales. **Arrived late:** Sandy Brown (1:51 pm).
4. PUBLIC COMMENT - **None.**
5. REPORTS BY COMMITTEE CHAIRS ON COMMITTEE MEETINGS
 - a. Budget, Personnel, and Nominating Committee – **Did not meet on August 16.**
 - b. Advisory Committee
6. COMMENTS AND REFERRALS FROM CHAIR AND BOARD MEMBERS – **None.**
7. REPORT FROM AIR POLLUTION CONTROL OFFICER
Richard Stedman, APCO, reported on the following:
Advisory Committee
 - The Advisory Committee met on Thursday, August 3rd. They received two presentations on the Lawn and Garden Incentive and Wood Stove Change-Out programs.
District Business
 - As promised, PARS will be at our next board meeting in October to discuss our OPEB and Pension investment strategies.
Engineering
 - The first permit for a linear generator will be issued to a facility in Santa Cruz after completion of source testing, or emissions verification. A linear generator uses a low-temperature air reaction of air and fuel to drive magnets through copper coils to efficiently produce electricity with near zero NOx emissions. These units are fueled with natural gas and are a cleaner alternative to diesel generators. We currently have 7 Authorities to Construct issued for these units in Watsonville, Aromas, and Moss Landing.

- Staff attended the Sitos Group biochar launch event on July 21. This is a pilot project unit located at the Monterey Peninsula Landfill which will transform wood waste into biochar. MBARD issued the Authority to Construct in April.
- We currently have an opening for an Engineer I/II and applications are due Friday August 18.

Compliance

- The Monterey County District Attorney's office settled two of our cases in July.
 - The owners of The Park Lane, a senior living community located in Monterey, agreed to pay \$1,575,000 for failing to comply with asbestos laws during renovations and demolitions in 10 counties. This originated with our case and the DA was able to identify similar issues in other counties leading to the multi-county settlement. We will receive \$200,000 in penalties, \$46,166 in cost recovery, and \$100,000 for a college course on air pollution as a supplemental environmental project. Additionally, six other air districts will receive penalties and some funding for supplemental environmental projects. Thank you to our inspectors Bronwyn and Shawn for their work on this case.
 - The second case was with Ryan Peacock Inc. for violations of the state portable engine registration regulations. We will receive \$50,000 in penalties. There is also \$75,000 held for an injunctive period of 5 years in the event of future violations. Thank you to our inspector Isael Rubio-Salazar for his work on this case.
- We received no complaints of Marina odors since the June Board meeting. However, we did want to let you know about several complaints received from a Marina community person which were copied to several Board members. The complainant expressed concerns about asbestos in the air from structure fires dating back to 2008 in Cypress Knolls area. We let the complainant know we do not respond to structure fires. We have been involved in projects in the Cypress Knolls area, such as earlier this year approximately 30 structures were abated and demolished in, and we conducted 14 inspections during the project.
- Michelle Kaiser, who is currently an Air Monitoring Specialist, has been promoted to Air Quality Inspector, effective in mid-September. Although Michelle has been with us for a little less than a year, she has done an outstanding job in air monitoring and will continue her success in the Compliance Division. Congrats, Michelle!

Planning and Air Monitoring

- Planning Staff held a workshop in Salinas on July 18 and another [on-line on July 19](#) to generate comments on potential projects for the [Community Air Protection Program](#). The majority of CAPP funds are required to be distributed to projects in

disadvantaged communities and low-income areas. Past projects include tractor replacements and a diesel to electric school bus replacement.

- The [Monterey Bay Electric Vehicle Incentive Program](#), which provides residents with an incentive to purchase new and used all-electric or plug-in electric vehicles, and the [Monterey Bay Electric Bicycle Incentive Program](#), which provides low-income residents with an incentive to purchase Type 1, 2, and 3 eBikes will began on July 1. \$350,000 is available for the electric vehicle program and \$50,000 for the electric bicycle program. To date, we are on track to exhaust these funds within another month or two.
- Introduced Shawn Boyle as the newly hired Planning and Air Monitoring Supervisor: Shawn has worked for MBARD for the past 14 years as an AQ Compliance Inspector, leading the asbestos program for the past 5 years. Prior to his employment at MBARD, he worked for an environmental consulting firm conducting asbestos surveys and consulting on abatement projects. Welcome to Shawn as he begins his new journey into Planning and Air Monitoring.

Community Outreach Highlights

- Community Air Protection Program Community Workshops – July 18 Salinas, [July 19 Online](#): print ads, Monterey County Weekly digital ads, Facebook, Twitter, Instagram, YouTube, website, press releases in English and Spanish, and iHeart Media’s Spanish radio and digital ads.
- Electric Vehicle Incentive Program and Electric Bicycle Incentive Program FY 2023-24 ongoing publicity until funds run out: print ads, Facebook, Twitter, Instagram, KPIG radio, KAZU radio, website.
- Updates to MBARD Social Media Accounts:
 - Added a new member to MBARD’s social media team - Matt Bard, IT Help Desk, email mbard@mbard.org, to link to all MBARD social media accounts.
- [MBARD’s August newsletter was published in English and Spanish.](#)
- The [MBARD Budget Fiscal Year 2023-2024](#) is posted on the website. Printed budget booklets are available upon request.

CONSENT AGENDA

Motion: Approve items on the Consent Agenda. **Action:** Approve. **Moved by** Luis Alejo, **Seconded by** Mike LeBarre. **Vote:** Motion carried unanimously (**summary: Yes = 9**). **Yes:** Wendy Askew, Sandy Brown, Mary Ann Carbone, Zach Friend, Felipe Hernandez, Kollin Kosmicki, Mike LeBarre, Orlando Osornio, and Luis Alejo (Alternate for Glenn Church and Chris Lopez). **Absent:** Glenn Church, Chris Lopez, Dolores Morales.

8. **Accepted** and **Filed** Summary of Actions for the June 21, 2023, Board of Directors Meeting

9. **Accepted and Filed** Report of Summary of Mutual Settlement Program Actions for June 2023 and July 2023
10. **Approved** Out-of-State Travel Request for the Air Pollution Control Officer (APCO) to Attend the Western States Air Resources Council (WESTAR) & Western Regional Air Partnership (WRAP) 2023 Fall Business Meeting in Anchorage, AK, October 2-5, 2023.
11. **Approved** Out-of-State Travel Request for the Planning and Air Monitoring Manager to Attend the Environmental Protection Agency 2023 Air Sensors Quality Assurance Workshop in Durham, NC, July 25-27, 2023.
12. **Resolution No. 23-011: Adopted** Resolution Authorizing the Air Pollution Control Officer to Apply for Funding, Accept Funding, and Administer the FY 2023-24 Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program

REGULAR AGENDA

13. **Received** Presentation on Mid-Year 2023 Engineering and Compliance Activities and **Provided** Direction on Activity Data Reporting
Motion: Receive the presentation and direct staff to present activities annually in February and as needed and no longer present Mid-Year activities. Action: Approve. Moved by Mike LeBarre, Seconded by Wendy Askew. Vote: Motion carried unanimously (summary: Yes = 9). Yes: Wendy Askew, Sandy Brown, Mary Ann Carbone, Zach Friend, Felipe Hernandez, Kollin Kosmicki, Mike LeBarre, Orlando Osornio, Luis Alejo (Alternate for Glenn Church and Chris Lopez). Absent: Glenn Church, Chris Lopez, Dolores Morales.
14. **Received** Presentation on the Mid-Year 2023 Daily Eight-Hour Peak Ozone Concentrations, Hourly Peak Ozone Concentrations, PM_{2.5} and PM₁₀ Air Monitoring Data and **Provided** Direction on Activity Data Reporting
Motion: Receive the presentation and direct staff to present activities annually in February and as needed and no longer present Mid-Year activities. Action: Approve. Moved by Kollin Kosmicki, Seconded by Felipe Hernandez. Vote: Motion carried unanimously (summary: Yes = 9). Yes: Wendy Askew, Sandy Brown, Mary Ann Carbone, Zach Friend, Felipe Hernandez, Kollin Kosmicki, Mike LeBarre, Orlando Osornio, Luis Alejo (Alternate for Glenn Church and Chris Lopez). Absent: Glenn Church, Chris Lopez, Dolores Morales.
15. **Received** Presentation and **Approved** the 2023-24 Lawn and Garden Equipment Replacement Program
Motion: Receive the presentation and approve the program based on comments by Board of Directors. Action: Approve. Moved by Mike LeBarre, Seconded by Luis Alejo. Vote: Motion carried unanimously (summary: Yes = 9). Yes: Wendy Askew, Sandy Brown, Mary Ann Carbone, Zach Friend, Felipe Hernandez, Kollin Kosmicki, Mike LeBarre, Orlando Osornio, Luis

Agenda Item No. 8

MBARD Board of Directors Meeting
Wednesday, August 16, 2023

Page 6 of 6

*Alejo (Alternate for Glenn Church and Chris Lopez). **Absent:** Glenn Church, Chris Lopez, Dolores Morales.*

16. **Received** Presentation and **Approved** the 2023-2024 Wood Stove Change Out Program


***Motion:** Receive the presentation and approve the program. **Action:** Approve. **Moved by** Luis Alejo, **Seconded by** Mary Ann Carbone. **Vote:** Motion carried unanimously (**summary:** Yes = 9). **Yes:** Wendy Askew, Sandy Brown, Mary Ann Carbone, Zach Friend, Felipe Hernandez, Kollin Kosmicki, Mike LeBarre, Orlando Osornio, Luis Alejo (Alternate for Glenn Church and Chris Lopez). **Absent:** Glenn Church, Chris Lopez, Dolores Morales.*

17. Adjournment – **The meeting adjourned at 3:21 p.m.**

*Sirie Thongchua
Executive Assistant*

Mid Calendar Year 2023 Engineering and Compliance Activity Data


AMY CLYMO
ENGINEERING AND COMPLIANCE MANAGER
AUGUST 16, 2023



1

Outline


- Description of Engineering and Compliance
- Activity Data
- Activity Data Report Schedule



2

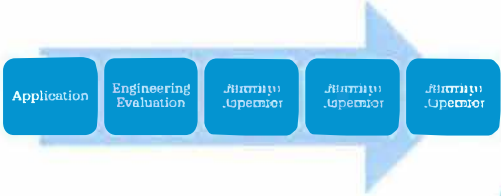

Engineering

- Evaluate permit applications for compliance with federal, state, and local rules and regulations
- Issue permits with operating conditions
- Develop rules and regulations
- Report annual stationary source emission inventory

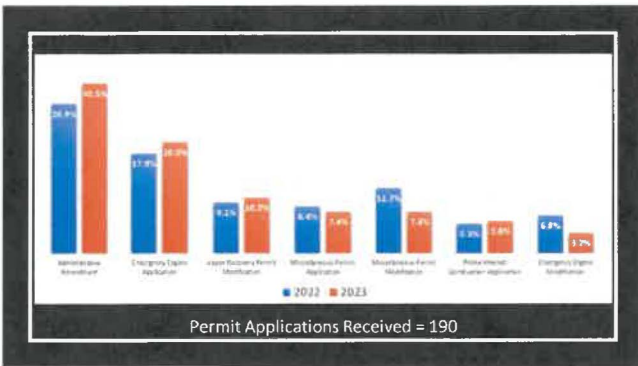


3

Permit Process Overview


4



5

Engineering Data

Activity	Mid Calendar Year 2023
Authorities to Construct Issued	99
Permits to Operate Issued	110
Startup Inspections	61



6

Agenda Item No. 8

Compliance

- Conduct inspections of permitted sources
- Ensure compliance with permit conditions
- Take enforcement action for violations
- Ensure compliance with the federal asbestos regulation
- Respond to complaints



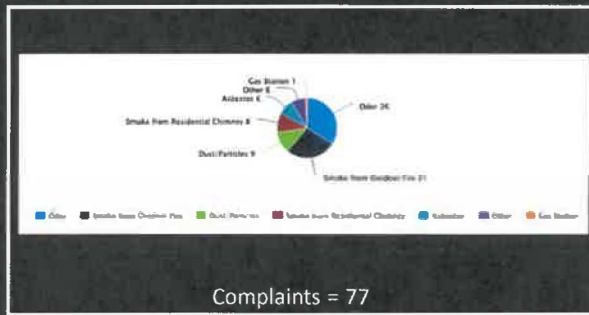
7

Compliance Data

Activity	Mid Calendar Year 2023
Compliance Inspections	614
Asbestos Notifications	185
Asbestos Inspections	93
Variance Orders Issued	2
Source Tests Observed	11



8



9

Activity Report Schedule

Report	Current Schedule	Proposed Schedule
Engineering Compliance Activity Data	February - Annual Data (Regular agenda)	February - Annual Data (Regular agenda)
	August - Mid-Year Data (Regular agenda)	August - Mid-Year Data (Consent agenda)
Air Monitoring Data	February - Annual Data (Regular agenda)	February - Annual Data (Regular agenda)
	August - Mid-Year Data (Regular agenda)	August - Mid-Year Data (Consent agenda)
Mutual Settlement	Monthly consent agenda reporting (no change)	Monthly consent agenda reporting (no change)

10

Recommendation

Approve changing the August activity reports to the consent agenda

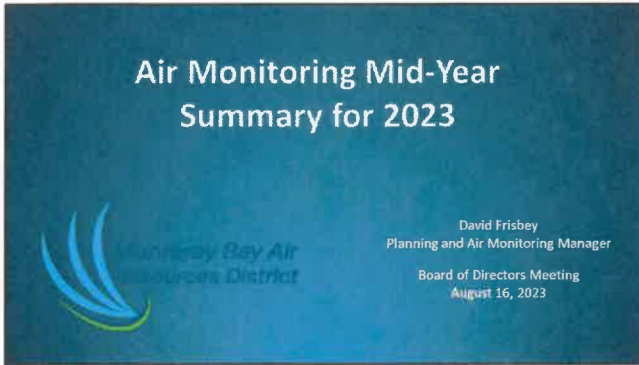


11

Questions?



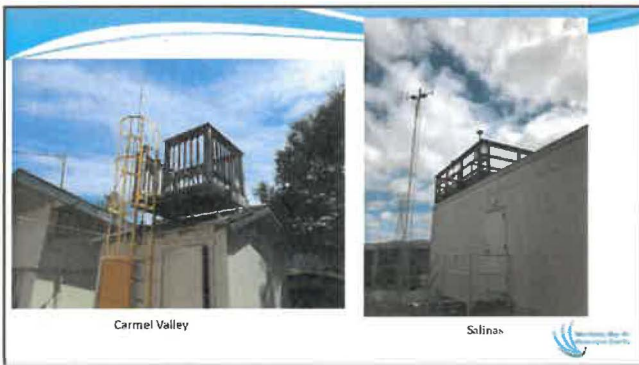
12



1



2



3

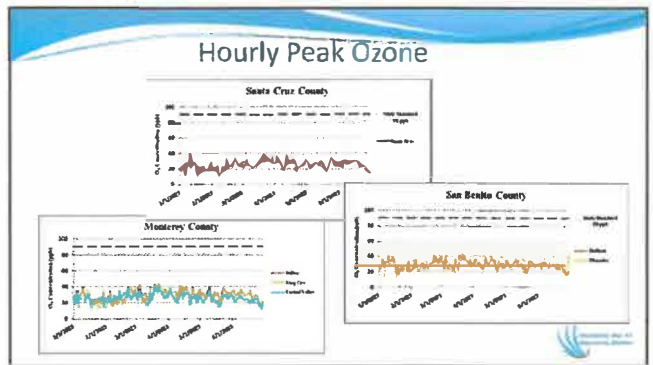


4

Ambient Air Quality (Daily) Standards

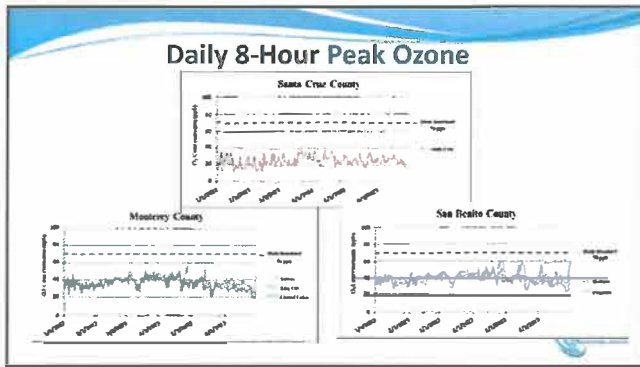
Pollutant	Averaging Time	California Standards		National Standards	
		Concentration	Primary Concentration ¹	Secondary Concentration ⁴	
Ozone	1 hour	0.090 ppm	—	—	
	8 hour	0.070 ppm	0.070 ppm	0.070 ppm	
PM2.5	24 hour	—	35 µg/m ³	Same	
PM10	24 hour	50 µg/m ³	150 µg/m ³	Same	

5

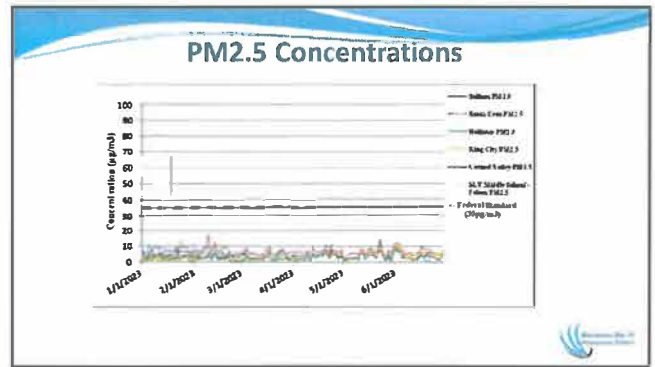


6

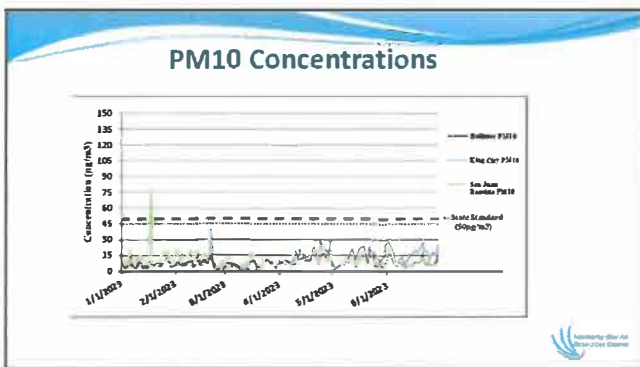
Agenda Item No. 8



7



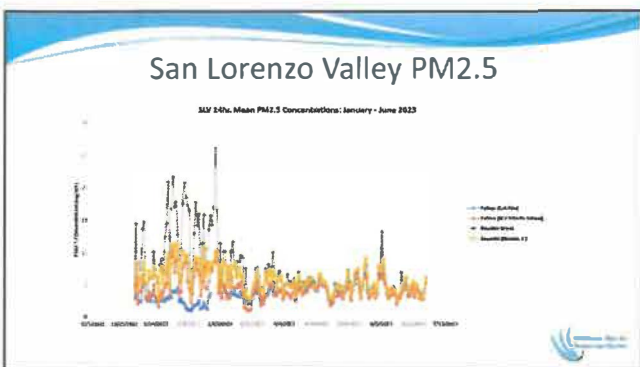
8



9



10



11



12

Lawn & Garden Equipment Replacement Program



Board of Directors Presentation
August 16th, 2023
Eli Lessman, Air Quality Planner I

1

Zero-Emission Equipment


SORE - "Small Off-Road Engine"



2

Background


- > 1990's, 1st regulations for small off-road engines (SORE)
- > Executive Order N-79-20
 - 100% zero emissions from off-road equipment in CA by 2035
- > Assembly Bill 1346 regulates SORE to be sold in CA
 - Phase I – SORE produced on and after January 1, 2024, to be ZE
 - Early and extra emissions reductions



3

Background

- > 1990's, 1st regulations for small off-road engines (SORE)
- > Executive Order N-79-20
 - 100% zero emissions from off-road equipment in CA by 2035
- > Assembly Bill 1346 regulates SORE to be sold in CA
 - Phase I – SORE produced on and after January 1, 2024, to be ZE
 - Early and extra emissions reductions



4

Background

- > 1990's, 1st regulations for small off-road engines (SORE)
- > Executive Order N-79-20
 - 100% zero emissions from off-road equipment in CA by 2035
- > Assembly Bill 1346 regulates SORE to be sold in CA
 - Phase I – SORE produced on and after January 1, 2024, to be ZE
 - Early and extra emissions reductions



5

Sources of Emissions



During operation:
Exhaust and evaporative



During storage:
Evaporative

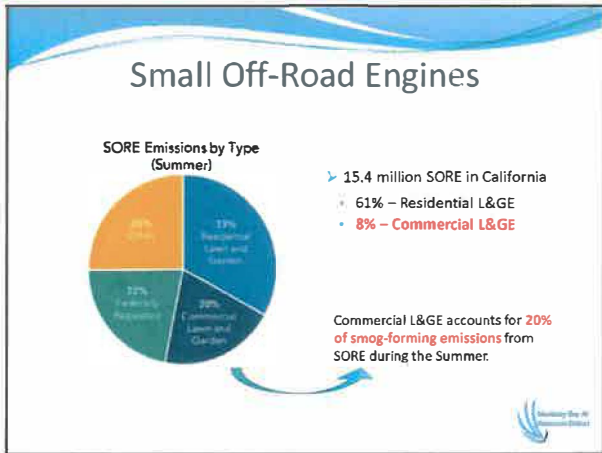


Spilling during refueling:
Water and Evaporative



6

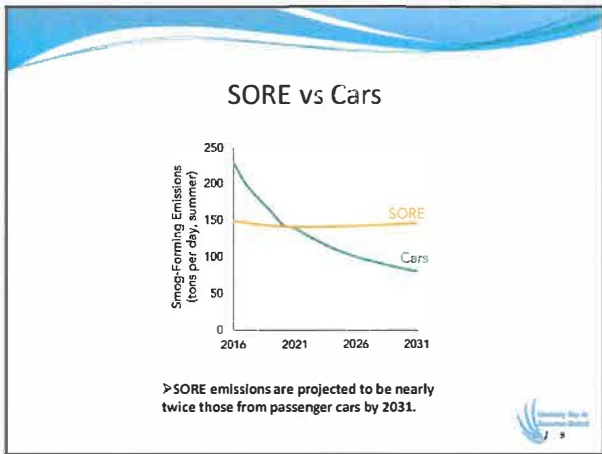
Agenda Item No. 8



7



8



9



10

- ## Residential Programs
- Incentive program
 - Drop off equipment for scrapping – receive authorization to purchase equipment
 - Submit purchase records
 - Grant amounts:
 - Percentage of purchase price
 - 80%
 - But no more than the Moyer Program funding limits

11

Eligibility & Funding

Table 9-1
Maximum Eligible Funding Amounts (Dollars)

Equipment	Residential Grant Amount	Commercial Grant Amount
Chainsaws/Trimmers/Edgers/ Brushcutters	\$300	\$700
Leaf blowers/ Vacuums	\$200	\$1,400
Walk Behind Lawn Mowers	\$330	\$1,500
Ride-on or Stand/Sit Mowers	\$2,000	\$15,000

12

Commercial Program

- Funding focus on schools and public agencies
- Retailer/Manufacturer - Professional Services Agreement with MBARD
 - Scrapping the old equipment
 - Delivers new, zero-emission equipment



13

Allocate Funding

- Total Project funds = \$315,000
 - Residential Allocation - \$100,000
 - Commercial Allocation - \$215,000



14

Commercial L&GE



15

Questions & Discussion



16

Agenda Item No. 8

WOOD STOVE CHANGE-OUT PROGRAM 2023-2024



Sponsored by:





Edward Ballarón, Air Quality Planner • Board of Directors Meeting: 8/16/24

1

PURPOSE: GHG Reduction (Co-benefit – Wood Smoke Reduction)

Wood Smoke Contains:

- Carbon Monoxide
- Nitrogen Oxides
- Volatile Organic Compounds
- Particulate Matter (PM2.5 & PM10)
 - PM2.5 – wood smoke

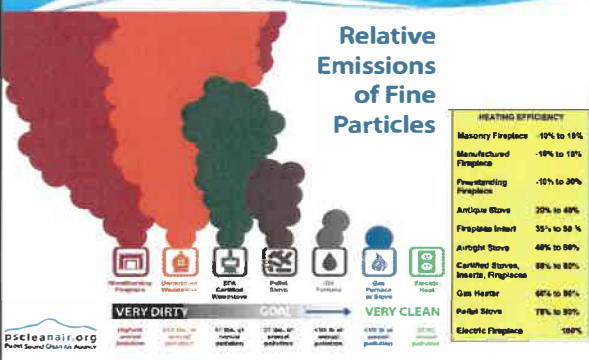


From Air Resources Board's Wood Burning Handbook

2023-2024 Wood Stove Change-Out Program

2

Relative Emissions of Fine Particles



HEATING EFFICIENCY	
Masonry Fireplace	10% to 18%
Manufactured Fireplace	15% to 18%
Free-standing Fireplace	15% to 20%
Antique Stove	20% to 40%
Fireplace Insert	35% to 50%
Airtight Stove	40% to 50%
Carved Stoves, Inserts, Fireplaces	50% to 55%
Gas Heater	60% to 80%
Pellet Stove	70% to 85%
Electric Fireplace	100%

2023-2024 Wood Stove Change-Out Program

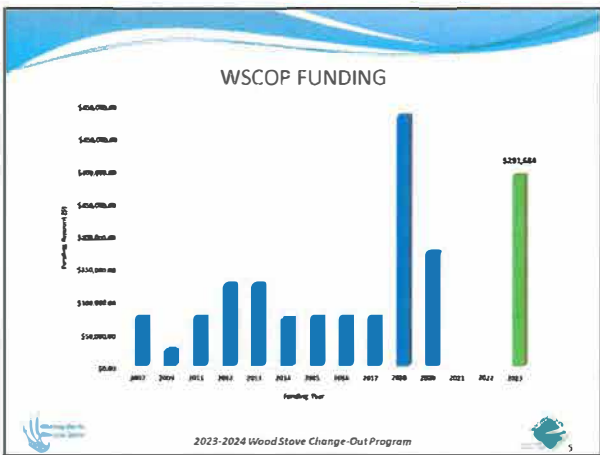
3

2023-2024 WOODSTOVE CHANGE OUT PROGRAM (WSCOP)

- Assembly Bill 1613
 - Waste Heat and Carbon Reduction Act
- Senate Bill 563
 - Established the Woodsmoke Reduction Program
 - California Air Resources Board
- \$5M Cap-and-Trade dollars
 - GHG emission reduction
 - Reduce smoke
 - Improve public health
 - Investments in Disadvantaged Communities (DAC)
 - Strengthening of local economy

2023-2024 Wood Stove Change-Out Program


4



5

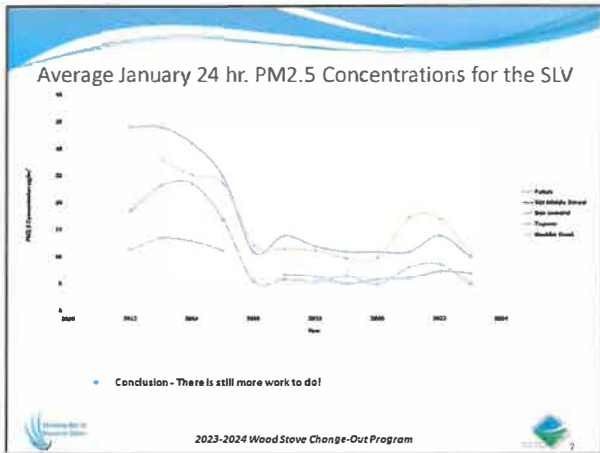
Targeted Approach

- WSCOP funds available district wide
- Recent years → Targeted approach
 - Recognition SLV has a woodsmoke issue
 - Focus by MBARD Planning staff to facilitate change outs in our SSAs
 - Disadvantaged/LI Communities and Low-Income Households



2023-2024 Wood Stove Change-Out Program

6



7

2023-2024 Program

- \$291K in Funding - \$263K for Change Outs & 27K for Implementation
- Goal of directing 75% of funds to LI & DACs
 - LI households
- Incentive Program → Projects Reimbursed after completion
 - Homeowner incurs cost of change out
 - Eliminates immediate financial responsibility for MBARD
- Streamlined Administration using On-Line Document Management System
 - Woodstove Change Out Program Website- Access to LASERFICHE form
 - Applicant can upload documents
 - Receive notifications and project updates

Less Admin Work


2023-2024 Wood Stove Change-Out Program

8

QUALIFICATIONS

Applicant must be:

- The **Homeowner** with:
 - an **Open-Hearth Fireplace** or
 - Uncertified Woodstove or Wood Insert**
 - Device manufactured prior to July 1, 1988
 - Device is not listed on U.S. EPA list of Certified Wood Heaters
 - Device which does not have any label describing particulate emission standards
 - Device must be operational
 - Used as a **Primary Source of Heat**



2023-2024 Wood Stove Change-Out Program

9

QUALIFYING REPLACEMENT DEVICES

- Electric stove heaters
- Electric heat pumps
- Wood pellet stoves
- Hybrid wood stoves
- Catalytic/Non- Catalytic wood stoves

State of Alaska's qualified list:

> **NATURAL GAS AND PROPANE NO LONGER ALLOWED** <



2023-2024 Wood Stove Change-Out Program

10

2023-2024 INCENTIVES

- Incentives:
 - \$1,000 – Wood to cleaner wood or pellet
 - \$2,000 – Wood to electric device
- Goal: 75% of project funds for LI and DACs
 - \$500 – Additional incentives for projects in Low-Income and Disadvantaged Communities
 - Applies for applicants who can demonstrate low income eligibility based on household income

2023-2024 Wood Stove Change-Out Program

11

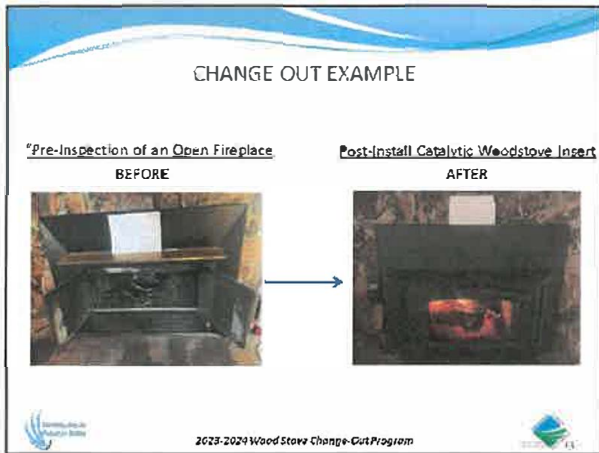
PROGRAM LIMITATIONS

- One Incentive per address
- Previous Grant Recipients are **NOT ELIGIBLE**
- If replacement is ductless mini split heat pump:
 - may retain the old wood burning device for power outages.
 - Approval on **case-by-case** basis
 - Sign an agreement to use their old device only in case of a power outage.

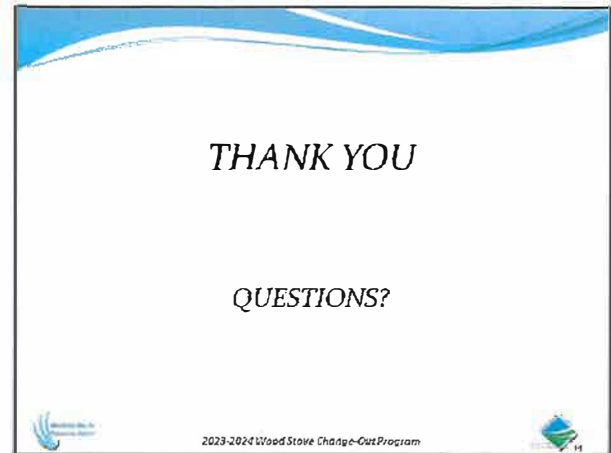
2023-2024 Wood Stove ChangeOutProgram

12

Agenda Item No. 8



13



14