



Monterey Bay Air Resources District
BOARD OF DIRECTORS MEETING AGENDA

CHRIS LOPEZ, CHAIR

WEDNESDAY, FEBRUARY 19, 2025 - 1:30 P.M.

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

ZOOM MEETING OPTION FOR PUBLIC

Link to meeting: <https://us02web.zoom.us/j/88474853878>

Webinar ID: 884 7485 3878

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 Tuesday, February 18, 2025. 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 Vice Chair Kosmicki at 1:32 p.m.**
 - a. AB 2449 Remote Participation
 - Director Alejo participated remotely in accordance with AB 2449 using the Just Cause provision and explained briefly why he could not attend in person. Legal Counsel Kelly Donlon asked Director Alejo to address questions regarding teleconferencing participation.
2. PLEDGE OF ALLEGIANCE
3. ROLL CALL - **Present:** Luis Alejo, Wendy Askew, Mary Ann Carbone, Kimberly De Serpa, Felipe Hernandez, Gerry Jensen, Kollin Kosmicki, Mike LeBarre. **Absent:** Chris Lopez, Andrew Sandoval. **Arrived Late:** Eduardo Montesino arrived at 1:34 p.m. following Roll Call.
4. WELCOME NEW MEMBERS TO THE BOARD OF DIRECTORS
 - a. Luis Alejo, Monterey County Board of Supervisors, MBARD Board Alternate 2017-2024
 - b. Kimberly De Serpa, Santa Cruz County Board of Supervisors
 - c. Gerry Jensen, Capitola Councilmember – Representing Santa Cruz County Cities
 - d. Eduardo Montesino, Watsonville Councilmember – Representing Santa Cruz County Cities, MBARD Board 2012 – 2014
 - e. Andrew Sandoval, Salinas Councilmember
5. **ELECTED** 2025 BOARD OF DIRECTORS CHAIR AND VICE CHAIR
Motion: Elect Kollin Kosmicki Chair and Felipe Hernandez Vice Chair. **Action:** Approve.
Moved by Wendy Askew, **Seconded by** Mary Ann Carbone. **Vote:** Motion carried by unanimous roll call vote (**summary:** Yes = 9). **Yes:** Luis Alejo, Wendy Askew, Mary Ann Carbone, Kimberly De Serpa, Felipe Hernandez, Gerry Jensen, Kollin Kosmicki, Mike LeBarre, Eduardo Montesino. **Absent:** Chris Lopez, Andrew Sandoval.
6. PRESENTATIONS
 - a. RECOGNITION OF OUTGOING CHAIR OF THE BOARD OF DIRECTORS
 - Chris Lopez, Monterey County Board of Supervisors
7. PUBLIC COMMENT – **None.**
8. REPORTS BY COMMITTEE CHAIRS ON COMMITTEE MEETINGS

- a. Budget, Personnel, and Nominating Committee - The Budget, Personnel, and Nominating Committee met on February 19, 2025.
- b. Advisory Committee – No quorum present at the March 6, 2025, Advisory Committee meeting. No actions were taken by the Advisory Committee members at this meeting.

9. COMMENTS AND REFERRALS FROM CHAIR AND BOARD MEMBERS – **None.**

CONSENT AGENDA

Motion: Approve items on the Consent Agenda. **Action:** Approve. **Moved by** Mary Ann Carbone, **Seconded by** Wendy Askew. **Vote:** Motion carried unanimously by roll call vote. **(summary: Yes = 9). Yes:** Luis Alejo, Wendy Askew, Mary Ann Carbone, Kimberly De Serpa, Felipe Hernandez, Gerry Jensen, Kollin Kosmicki, Mike LeBarre, Eduardo Montesino. **Absent:** Chris Lopez, Andrew Sandoval.

10. **Accepted** and **Filed** Summary of Actions for December 18, 2024, Board of Directors Meeting
11. **Received** and **Filed** Budget to Actual Report for the Five Months Ended November 30, 2024
12. **Received** and **Filed** Budget to Actual Report for the Six Months Ended December 31, 2024
13. **Received** and **Filed** Budget to Actual Report for the Seven Months Ended January 31, 2025
14. **Accepted** and **Filed** Report of Summary of Mutual Settlement Program Actions for December 2024 and January 2025
15. **Approved** Extending AB 2766 Grant Agreement 22-07 for the City of Santa Cruz E-Fleet Replacement Project to March 14, 2026
16. **Approved** Extending AB 2766 Grant Agreement 23-02 for the County of Monterey - Davis and Reservation Roundabout Project to March 30, 2028
17. **Approved** Extending AB 2766 Grant Agreement 23-07 for the City of Santa Cruz ZEV Street Sweeper Replacement Project to April 10, 2026
18. **Approved** the Addition of an Air Quality Planner Position to the Planning Division
19. **Resolution 25-001: Adopted** a Resolution Approving Fiscal Year 2024-25 Mid-Year Budget Revisions, Per Attached Schedule A

REGULAR AGENDA

20. **Received** Presentation by ReGen Monterey on Smart Landfill Gas Collection, LoCI Controls
Received the presentation only; no action required.

21. **Received** Presentation on Calendar Year 2024 Engineering and Compliance Activities
Received the presentation only; no action required.

22. **Received** Presentation on Calendar Year 2024 Planning Division Activities
Received the presentation only; no action required.

Directors Hernandez (2:45 p.m.), LeBarre (2:48 p.m.), Alejo (2:50 p.m.), and Askew (2:58 p.m.) left the meeting following Agenda Item #22.

Legal Counsel Kelly Donlon adjourned the meeting at 2:58 p.m. due to a lack of quorum following Agenda Item #22.

23. **Received** Presentation on Calendar Year 2024 Air Monitoring Division Activities
Received the presentation only; no discussion, no action required.

24. **REPORT FROM AIR POLLUTION CONTROL OFFICER
Richard Stedman, APCO, reported on the following:**

Advisory Committee

The Advisory Committee met but did not have a quorum. The meeting was informational only.

Welcome New Board Members

Engineering and Compliance

- I want to introduce Taylor Orcutt our new Air Quality Technician supporting the Engineering Division. Taylor graduated from the University of California, Berkeley, with a Bachelor of Science in Ecosystem Management and Forestry and a minor in Geospatial Information Science and Technology. Before coming to MBARD, Taylor worked at Apple Maps for four years. Taylor's primary work in engineering will be reporting emissions inventory to the state.
- The Hearing Board will be meeting for a variance hearing on February 26. A variance allows a company to operate out of compliance with permit conditions or MBARD rules for a time period based on specific findings. Currently, we only have three members on the five-member board. The two open members are for a registered engineer and

medical professional. If you know someone in these fields, please let them know about the Hearing Board. The member application is on our website.

- We received 24 odor complaints from Marina residents since the December Board meeting. MBARD typically receives a more significant number of odor complaints during October to March. Meteorological conditions during this time, such as wind direction from the North, colder temperatures, temperature inversions, and rain, may contribute to odor transport.

Other

- This year, the U.S. Department of Justice finalized a rule implementing website content accessibility requirements for state and local governments. As a special district, we must meet the standards by April 2027. We will begin creating accessible files in 2025 for our website to meet the 2027 deadline.

Planning and Air Monitoring

- The Woodstove Change-Out Program which offers incentives to replace non-EPA certified wood stoves, fireplace inserts, and open-hearth fireplaces with cleaner home heating devices is just about closed. 100% of the \$551,000 in designated funding has been obligated. In January, MBARD received an additional \$73,071 in wood smoke program funds leftover from Ventura County's program. MBARD's program will close once these funds are exhausted.
- The Landscape Equipment Exchange Program provides residents and commercial operations with an incentive to replace old, combustion landscape equipment with new, cordless zero-emission equipment. So far, 258 applications have been processed, with \$253,000 obligated out of \$395,000 budgeted for the program.
- 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, has obligated all \$400,000 budgeted for the program, on 308 incentives. If approved by the Board, another \$50,000 will be added from the AB2766 fund to extend the program.
- An electric school bus was delivered recently to the Monterey Peninsula Unified School District part of MBARD's Zero-Emission School Bus Program. The school district was granted \$116,128 which was stacked with \$200,000 from Central Coast Community Energy. With the combined grant funding, the school district received the electric bus for free.

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MBARD Board of Directors Meeting
Wednesday, February 19, 2025

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- Staff continue to observe weather conditions and air quality in the San Lorenzo Valley to forecast when a Spare the Air alert will be declared. During a Spare the Air alert, residents are asked to voluntarily choose devices which use fuels other than wood to heat their homes. The program will run through Spring when conditions for smoke dispersion improve. No Spare the Air Alerts have been called since the program opened in November due to favorable meteorological conditions.
- As part of the Air Monitoring Division's efforts to continuously improve and upgrade equipment, the air monitoring data server used for storing and distributing air monitoring station data is being transitioned to a cloud service. This project, funded by a federal grant through the Inflation Reduction Act, will remove the need for maintenance of the server by air monitoring staff and improve the reliability of the data being sent to the EPA, which is also published on MBARD's website.

CLOSED SESSION

25. The Board will meet in Closed Session as permitted by Government Code section 54950 relating to the following:

- a. Pursuant to Government Code section 54957(b)(1), the Board will provide a performance evaluation for the Air Pollution Control Officer.

Tabled Agenda Item #25 to the next meeting.

26. Adjournment - **Legal Counsel Kelly Donlon adjourned the meeting at 2:58 p.m. due to a lack of quorum following Agenda Item #22.**

Sirie Thongchua
Executive Assistant

ReGen MONTEREY

HSARD Board of Directors Meeting
February 19, 2025

Smart Landfill Gas Collection LoCI Controls

Presented by
David Ramirez, P.E.
Director of Engineering and Compliance
ReGen Monterey

1

ReGen MONTEREY

Smart Landfill Gas Collection LoCI Controls

Landfill 101

2

ReGen MONTEREY

Smart Landfill Gas Collection LoCI Controls

Landfill Methane Capture

Gas collection wells

Trash

Landfill gas flare

Electricity Generation Onsite Power and PGE Grid

3

ReGen MONTEREY

Smart Landfill Gas Collection LoCI Controls

Landfill Gas Extraction Wells

Typical Landfill Gas Well Components

Gas Collection Header Pipe

LANDFILL WASTE

4

ReGen MONTEREY

Smart Landfill Gas Collection LoCI Controls

Landfill Gas Extraction Wells

Sampling ports

Manual adjustment valve

Sampling ports

Vacuum source

Gas well

5

ReGen MONTEREY

Smart Landfill Gas Collection LoCI Controls

Monthly gas well monitoring for compliance includes:

- Well inspection
- Measure gas quality – Methane, Oxygen, Carbon Dioxide, Balance Gas.
- Measure vacuum pressure
- Measure temperature
- Manually adjust valve as needed
- One monitor event of the 100+ wells can take two days.

6

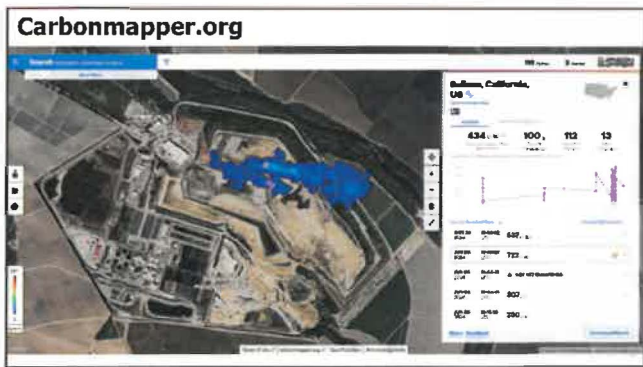
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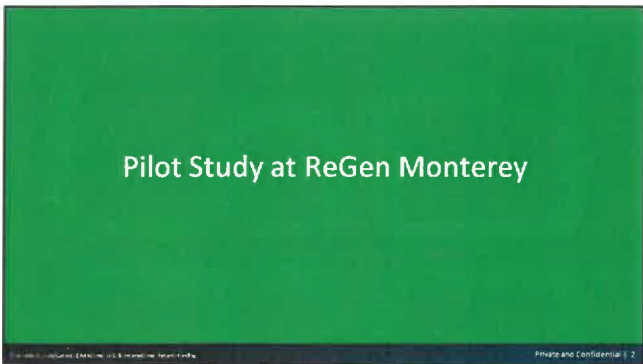
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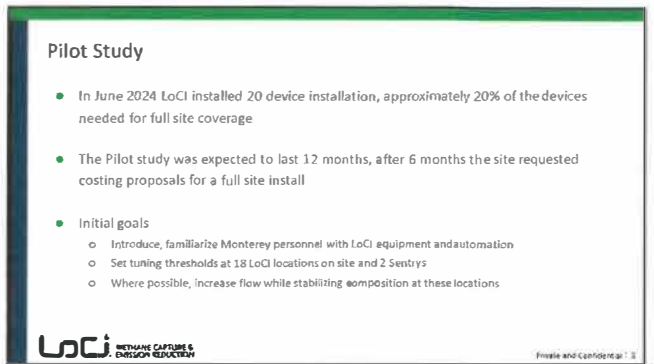
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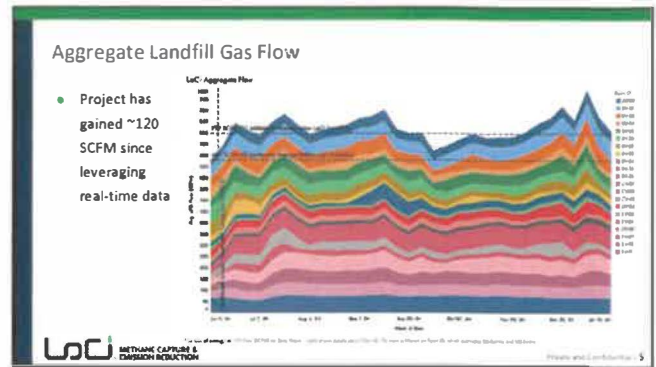
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Increased Gas Capture and Emission Reductions

- Additional 120 SCFM captured at 50% CH₄ across 18 Controller locations
 - We increased flow to the plant by 18% while maintaining methane quality and by reducing vacuum to poor quality wells while increasing vacuum to healthier wells
- Over 7-month period, equates to:
 - Over 340 MT CH₄ of emission reductions
 - Over 9,500 MT CO₂e of emission reductions
 - Eliminating the annual emissions of over 2,000 IC passenger vehicles

Private and Confidential | 6

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Proposal for Expansion

Private and Confidential | 7

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Proposed Agreement

- 90 Controllers, 5 Sentries and 15 Liquid Level Measurement devices
 - Year 1 Costs
 - WellWatcher pre-paid 5 year license including upgrades: \$190,000
 - Built out with 95 Devices (includes 90 Controllers, 5 Sentries and 25 LL Ms): \$556,500
 - Year 1 Maintenance & Service: \$0 (included)
 - Shipping: \$16,000
 - Installation Fees: \$350/Device = \$26,250
 - Year 1 Total: \$788,750**

Private and Confidential | 8

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Thank you!

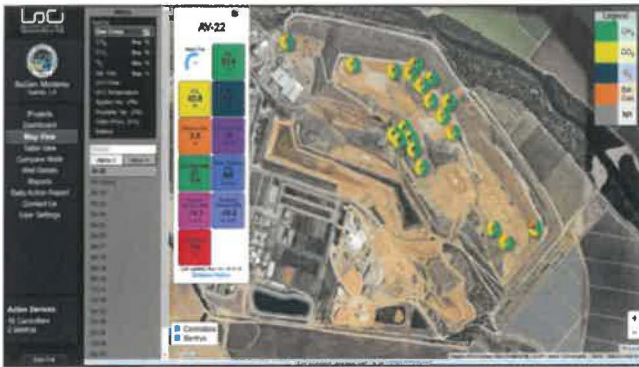
KEITH CARROLL
 Director of Business Development,
 Environmental Attributes
 Phone: (512) 308-0008
 Email: keithc@bepowertrk.com

LoCI Controls
 14 Kuntz Rd. Suite 2
 Waukegan, IL 60087
 info@loconline.com
 loconline.com

Private and Confidential | 8

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ReGen Monterey
Presentation of Smart Landfill Gas Collection LoCI Controls

Benefits to community:

- Reduced greenhouse gas emissions by equivalent of 13,000 IC passenger vehicles
- Reduced odor potential
- Implement ahead of regulations
- Contribute to landfill emissions research
- Performance above compliance standard
- Potentially offer carbon offset credits to industry

21

ReGen Monterey
Presentation of Smart Landfill Gas Collection LoCI Controls

Benefits to ReGen:

- Benefits community (as mentioned)
- Improved gas quality = Improved engine runtime
- Realtime monitoring data gives early warning of issues
- Remote tuning capabilities allow for optimization in real time compared to manual adjustments
- Historic database will be basis of future system design
- Additional gas could be used for electricity or RNG in future
- Potential access to carbon credit market revenues

22

ReGen MONTEREY

Questions?

Contact:
David Ramirez, P.E.
dramirez@regenmonterey.com
Director of Engineering and Compliance
ReGen Monterey

23

Calendar Year 2024 Engineering and Compliance Activity Data

AMY CLYMO
ENGINEERING AND COMPLIANCE MANAGER
FEBRUARY 19, 2025



1

Outline

- Description of Engineering and Compliance
- Activity Data

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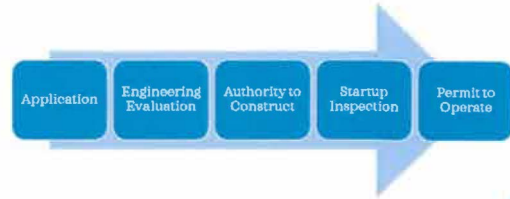
Engineering

- 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



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Permit Process Overview



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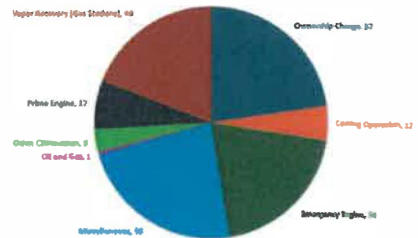
Engineering Data

Activity	Calendar Year 2024
Applications Received	286
Authorities to Construct Issued	155
Startup Inspections	132
Permits to Operate Issued	220



5

NUMBER OF PERMITS ISSUED BY TYPE



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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



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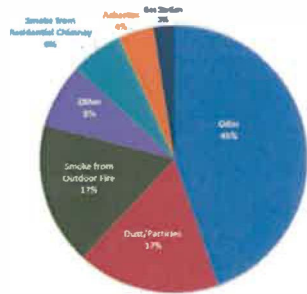
Compliance Data

Activity	Calendar Year 2024
Compliance Inspections	1,543
Asbestos Notifications	296
Asbestos Inspections	167
Variance Orders Issued	4
Source Tests Observed	39



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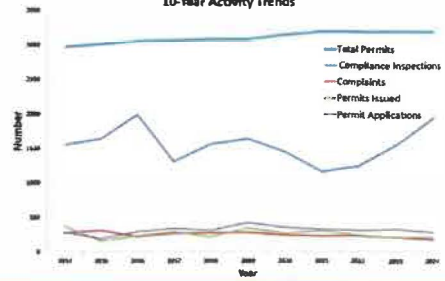
TYPES OF COMPLAINTS



Complaints

9

10-Year Activity Trends



10


Questions?



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Planning Division Annual Report - 2024


DAVID FRISBEY
PLANNING AND AIR MONITORING MANAGER
FEBRUARY 19, 2025



1

What Planning Does




- Develop Air Quality Plans
- Administer grant programs
- Review of CEQA documents
- Administer smoke management program
- Public outreach and education
- Special projects, such as air quality forecasting



2

MBARD Grant Programs

- Carl Moyer Memorial Grant**
 - Repower or replace diesel equipment
 - Landscape Equipment Exchange Program
- FARMER**
 - Repower or replace diesel ag equipment
- Community Air Protection**
 - Serve Disadvantaged Communities & Low Income / areas
- AB2788 (\$4 DMV fees)**
 - Transportation and EV Incentives
- AB923 (\$2 DMV fees)**
 - Zero Emission School Bus
 - Plug-In Monterey Bay - EV Infrastructure
- Wood Stove Change Out Program**

3

AB2766 (\$4 DMV fees) - Motor Vehicle Emission Reduction Program

Four Projects Completed
Total Grants = \$780,798
Emission Reduction = 3.37 Tons/year






4

AB2766 (\$4 DMV fees) Electric Vehicle Incentive Program

- 230 Incentives
- Total Incentive Amount = \$299,250.00




"We are very happy with our new car; it has exceeded our expectations. We are also very grateful to MBARD for help with the purchase. Because we are retired seniors living on a fixed income, we would never have been able to buy an EV without this kind of support!"
- Chris B.



5

AB923 (\$2 DMV fees) Zero Emission School Bus Program

One bus project completed
Total Grant = \$174,281




Santa Cruz City Schools -
Type A Electric School Bus



6

Agenda Item No. 7

Carl Moyer Memorial Grant Program
Replaces Diesel Powered Equipment

21 Projects Completed
 Total Grants Awarded = \$2,505,335.00
 Emission Reduction = 64.8 Tons/Year



The Alameda Company
 \$ 53,895.00

7

Landscape Equipment Exchange Program

Residential Program
 Exchanges = 158
 Total Grants Awarded = \$50,423

Commercial Program
 Exchanges = 105
 Total Grants Awarded = \$153,799

BEFORE



AFTER



8

FARMER Program
Replace Diesel Agricultural Equipment

10 projects completed
 Total Grants Awarded = \$1,106,673
 Emission Reduction = 23.5 Tons/Year




Invest Grow Management
 Tractor Replacement
 \$ 133,785.00

9

Community Air Protection Program
Serves Disadvantaged Communities & Low-Income Areas

Four Projects Completed
 CAPP Grants Awarded = \$824,011
 Emission Reductions = 7.1 Tons/Year



Monterey County Office of Education - \$413,601

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Wood Stove Changeout Program
Replace uncertified, inefficient wood burning devices with cleaner-burning and more efficient devices

130 Changeouts
 Total Grants Awarded = \$562,500

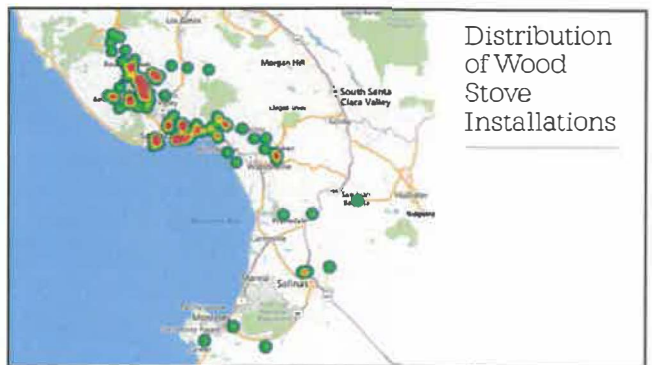
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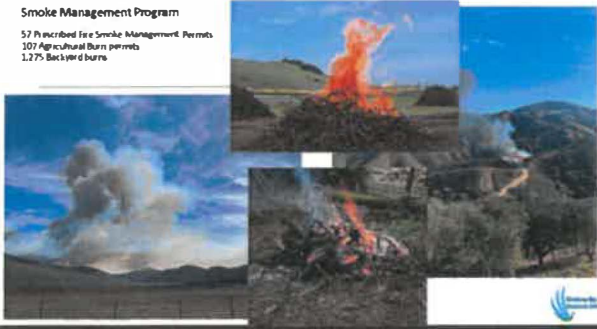


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Smoke Management Program
57 Prescribed Fire Smoke Management Permits
107 Agricultural Burn permits
1,275 Backyard burns



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Distribution of Prescribed Burns



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Special Projects
San Lorenzo Valley – Spare the Air
Air Quality Forecasting
Blue Whales and Blue Skies
Clean Air Centers



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Questions?




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Agenda Item No. 7

Calendar Year 2024 Air Monitoring Program Summary


SHAWN BOYLE
AIR MONITORING AND PLANNING SUPERVISOR
FEBRUARY 2025



1

Ambient Air Monitoring

- MBARD operates and maintains a monitoring network to determine compliance with state and federal ambient air quality standards with the North Central Coast Air Basin (NCCAB)
- An air monitor is a sampling data instrument which measures air pollutant concentrations over a specified time period as defined by the air quality standards.




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National and State Ambient Air Quality Standards

- EPA and CARB have adopted ambient air quality standards for certain "criteria pollutants" based on pollutant levels from medical and scientific studies as well as secondary factors of human welfare.
- In the MBARD jurisdiction, the three criteria pollutants of concern are Ozone - PM_{10} - $PM_{2.5}$



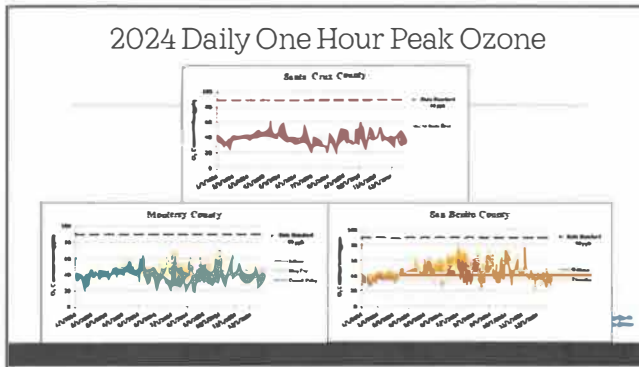
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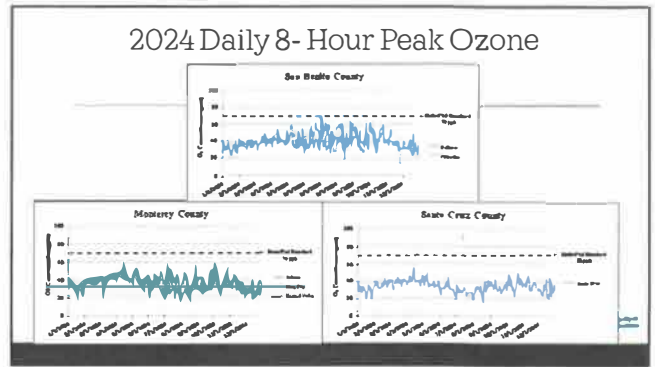
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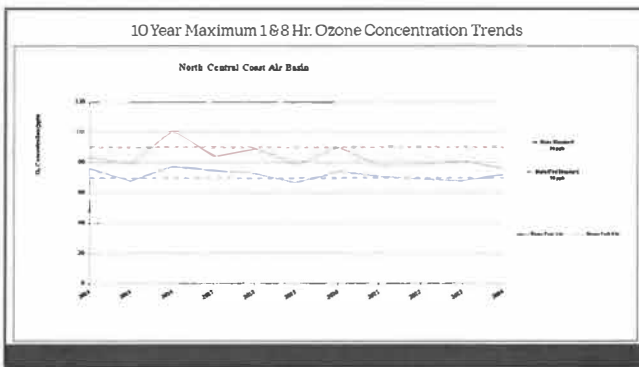
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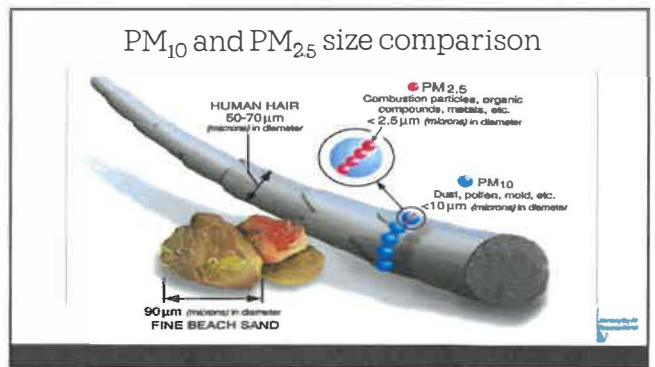
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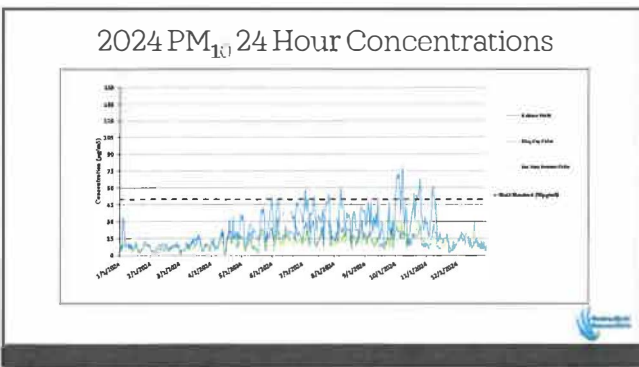
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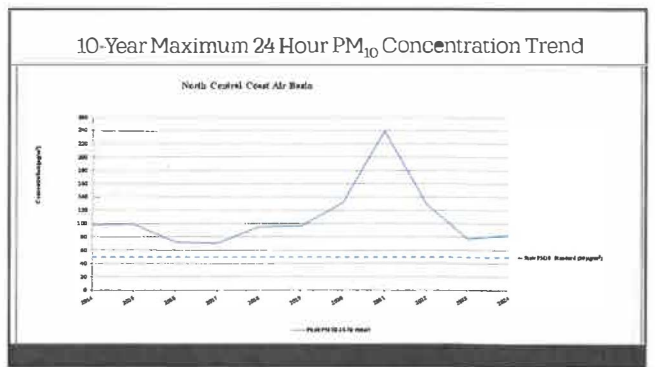
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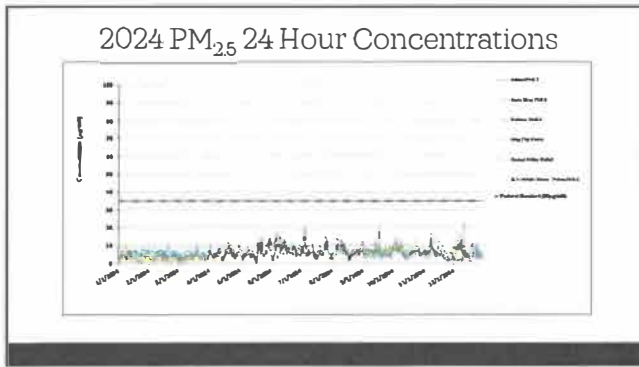


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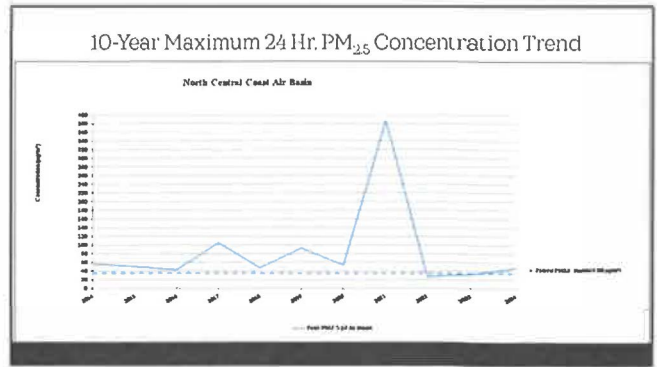


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