



**Monterey Bay Air Resources District
BOARD OF DIRECTORS MEETING AGENDA**

ZACH FRIEND, CHAIR

WEDNESDAY, FEBRUARY 21, 2024 - 1:30 P.M.

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

REMOTE LOCATIONS VIA TELECONFERENCE

Any interested parties or community members may attend and participate in the meeting at the following addresses:

33979 Leland Meadows Road, Pinecrest, CA 95364

550 Cagney Road, San Juan Bautista, CA 95045

BOARD MEMBERS ATTENDING REMOTELY

Director Wendy Askew: 33979 Leland Meadows Road, Pinecrest, CA 95364

Director Kollin Kosmicki: 550 Cagney Road, San Juan Bautista, CA 95045

ZOOM MEETING OPTION FOR PUBLIC

Link to meeting: <https://us02web.zoom.us/j/89395049898>

Webinar ID: 893 9504 9898

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 20, 2024. Comments received will be distributed to the Board prior to the meeting.

SUMMARY OF ACTIONS

1. CALL TO ORDER
 - a. **The meeting was called to order by Chair Friend at 1:31 p.m.**
 - b. AB 2449 Remote Participation
 - Chair Friend participated remotely in accordance with AB 2449 using the Just Cause provision and explained briefly why he could not attend in person.
2. PLEDGE OF ALLEGIANCE
3. ROLL CALL - **Present:** Mary Adams, Wendy Askew, Sandy Brown, Mary Ann Carbone, Zach Friend, Felipe Hernandez. **Absent:** Kollin Kosmicki, Mike LeBarre, Chris Lopez, Orlando Osornio, Rick Perez. **Arrived Late:** Orlando Osornio arrived at 1:33 p.m. following Roll Call.
4. WELCOME NEW MEMBERS TO THE BOARD OF DIRECTORS AND NEW LEGAL COUNSEL
 - a. Mary Adams, Monterey County Board of Supervisors
 - b. Rick Perez, Hollister Councilmember – Representing San Benito County Cities
 - c. Kelly L. Donlon, Monterey County Assistant County Counsel
- ~~5. ELECTION OF 2024 BOARD OF DIRECTORS CHAIR AND VICE CHAIR~~
Chair Friend moved this item to Regular Agenda Item No. 21b.
6. PRESENTATIONS
 - a. RECOGNITION OF OUTGOING MEMBERS OF THE BOARD OF DIRECTORS
 - Glenn Church, Monterey County Board of Supervisors
 - Dolores Morales, Hollister Councilmember – Representing San Benito County Cities
7. PUBLIC COMMENT – **None.**
8. REPORTS BY COMMITTEE CHAIRS ON COMMITTEE MEETINGS
 - a. Budget, Personnel, and Nominating Committee – **Chair Friend reported** that the Budget, Personnel and Nominating Committee met and recommended Board approval of Chris Lopez Chair and Kollin Kosmicki Vice Chair of the 2024 Board of Directors.

b. Advisory Committee

9. COMMENTS AND REFERRALS FROM CHAIR AND BOARD MEMBERS

10. REPORT FROM AIR POLLUTION CONTROL OFFICER

Richard Stedman, APCO, reported on the following:Advisory Committee

The Advisory Committee met on February 1st. Janet Brennan was re-elected as Chair with Alan Stroh as Vice Chair. The Committee heard and provided input on all the presentations on Division updates the board will receive today.

Engineering and Compliance

- We launched two online tools for the public in January. For complaints, we added a link on our website so complaints can be submitted online directly into our database. Second, we added a permit search webpage to allow the public to search permits in our database based on information such as permit type or address. We also included instructions on the website for how to do both items.
- For the standing agenda item about Marina Odor complaints, we received 6 odor complaints from the Marina area since the last Board meeting.

Planning and Air Monitoring

- The 2023-24 Woodstove Change-Out Program, which launched on December 14, offers incentives to replace non-EPA certified wood stoves, fireplace inserts, or open-hearth fireplaces with a low smoke emitting, EPA certified wood or pellet stove or fireplace insert, electric stove/insert, or ductless mini-split heat pump. Propane and natural gas replacement devices are not included in the program. As a result of the slow start to the program, incentives have been increased to \$2,500 for wood-to-wood changeouts and \$5,000 for wood-to-heat pump changeouts. Incentive amounts are doubled for low-income applicants and those living in low-income areas and disadvantaged communities.
- The Landscape Equipment Exchange Program (LEEP) was launched on November 6. LEEP provides residents and commercial operations with an incentive to replace old, combustion landscape equipment (e.g. lawn mowers and leaf blowers) with new, cordless zero-emission equipment. \$315,000 in project funds were provided by a Moyer State Reserve grant for a commercial program. An additional \$80,000 was redirected from Moyer program funds to cover the residential program. Replacement of 73 pieces of lawn and garden equipment has been approved so far, with \$67,381 expended.
- An electric school bus will be delivered this week to San Benito High School as part of MBARD's Zero-Emission School Bus Program. The program provides grant funding to local school districts to assist with purchasing electric school buses and charging infrastructure.

MBARD receives funding for the program from DMV fees as authorized by AB923. San Benito High School was granted \$297,000 from ZESBP which was stacked with \$198,000 from California's zero-emission bus voucher program. With the combined grant funding, San Benito High School will receive the electric bus for free.

Outreach

- e-Newsletter in English and Spanish were published on January 11, 2024.
- Landscape Equipment Exchange Program (LEEP) and general air quality spots currently airing on radio stations KAZU, KPIG, and KSQD. LEEP spots aired on Spanish radio station KPRC-FM and on KPRC-FM's social media accounts during the month of December.
- MBARD ran Electric Bicycle Incentive Program (EBIP), Landscape Equipment Exchange Program (LEEP), and Wood Stove Change-Out Program print ads in the Santa Cruz Good Times and the San Juan Bautista Mission Village Voice, and a LEEP digital ad is currently included on KSBW's website and e-news blasts.
- MBARD will have a booth at the 18th annual Earth Day Marina on Saturday, April 13, 9 am – 1 pm, Marina Library.
- MBARD 50th Anniversary is July 1, 2024. 50th Anniversary branding was designed. We are currently in the early stages of planning an Open House Celebration in July.
- Invite board members to be featured in future social media posts.

We are currently in our 3rd year of our 5-year contract with SIEU local 521. The contract allows for reopening compensation provisions as well as any two other articles contained in the MOU for the last two years of the contract.

MBARD just received 75,000 N95 surgical masks for use during wildfire smoke events. These will be passed out to those in need during wildfire events. We have already worked on an agreement with Fort Ord EJM to distribute masks to the community when smoke concentrations are high. The masks can also be distributed to evacuation centers and other agencies in need.

The masks were donated by the N95 project, a non-profit that formed during the covid crisis.

CONSENT AGENDA

Motion: Approve items on the Consent Agenda. **Action:** Approve. **Moved by** Felipe Hernandez, **Seconded by** Sandy Brown. **Vote:** Motion carried unanimously by roll call vote (**summary: Yes =7**). **Yes:** Mary Adams, Wendy Askew, Sandy Brown, Mary Ann Carbone, Zach Friend, Felipe Hernandez, Orlando Osornio. **Absent:** Kollin Kosmicki, Mike LeBarre, Chris Lopez, Rick Perez.

11. **Accepted** and **Filed** Summary of Actions for the December 20, 2023, Board of Directors Meeting
12. **Accepted** and **Filed** Report of Summary of Mutual Settlement Program Actions for December 2023 and January 2024
13. **Received** and **Filed** Budget to Actual Report for the Six Months Ended December 31, 2023
14. **Received** and **Filed** Budget to Actual Report for the Seven Months Ended January 31, 2024
15. **Approved** Request to Extend Grant Agreement 22-07 for the City of Santa Cruz E-Fleet Replacement Project to March 14, 2025
16. **Approved** Request to Extend AB2766 Grant Agreement 21-05 for the County of Santa Cruz Aptos Area Adaptive Traffic Signal Control Project to February 9, 2025
17. **Resolution No. 24-001: Adopted** a Resolution Authorizing the Air Pollution Control Officer to Accept Funding and Administer the Carl Moyer Memorial Air Quality Standards Attainment Program (Moyer Program) State Reserve for Fiscal Year (FY) 2023-2024 (Year 26).

REGULAR AGENDA

18. **Received** Presentation on Calendar Year 2023 Engineering and Compliance Activities
Received the presentation only; no action required.
19. **Accepted** the 2023 Planning Division Annual Report and **Received** a Presentation
Motion: Accept the report and receive the presentation. Action: Approve. Moved by Sandy Brown, Seconded by Felipe Hernandez. Vote: Motion carried by unanimous roll call vote (summary: Yes = 6). Yes: Mary Adams, Wendy Askew, Sandy Brown, Mary Ann Carbone, Zach Friend, Felipe Hernandez. Absent: Kollin Kosmicki, Mike LeBarre, Chris Lopez, Orlando Osornio, Rick Perez.
20. **Accepted** the 2023 Air Monitoring Division Annual Report and **Received** a Presentation
Motion: Accept the report and receive the presentation. Action: Approve. Moved by Mary Ann Carbone, Seconded by Felipe Hernandez. Vote: Motion carried by unanimous roll call vote (summary: Yes = 6). Yes: Mary Adams, Wendy Askew, Sandy Brown, Mary Ann Carbone, Zach Friend, Felipe Hernandez. Absent: Kollin Kosmicki, Mike LeBarre, Chris Lopez, Orlando Osornio, Rick Perez.
Director Osornio left the boardroom during Regular Agenda Item No. 20.

21. a. **Approved** an Amendment to the Employment Agreement for District Air Pollution Control Officer

Motion: Approve the amendment. **Action:** Approve. **Moved by** Mary Ann Carbone, **Seconded by** Sandy Brown. **Vote:** Motion carried by unanimous roll call vote (**summary:** Yes = 6). **Yes:** Mary Adams, Wendy Askew, Sandy Brown, Mary Ann Carbone, Zach Friend, Felipe Hernandez. **Absent:** Kollin Kosmicki, Mike LeBarre, Chris Lopez, Orlando Osornio, Rick Perez.

21. b. **The item below was pulled from Agenda Item No. 5 and placed on the Regular Agenda as Item No. 21b.**

ELECTED 2024 BOARD OF DIRECTORS CHAIR AND VICE CHAIR

Motion: Elect Chris Lopez Chair and Kollin Kosmicki Vice Chair. **Action:** Approve. **Moved by** Felipe Hernandez, **Seconded by** Mary Ann Carbone. **Vote:** Motion carried by unanimous roll call vote (**summary:** Yes = 6). **Yes:** Mary Adams, Wendy Askew, Sandy Brown, Mary Ann Carbone, Zach Friend, Felipe Hernandez. **Absent:** Kollin Kosmicki, Mike LeBarre, Chris Lopez, Orlando Osornio, Rick Perez.


Director Osornio returned to the boardroom following Regular Agenda Item No. 21b.

22. Adjournment – **The meeting adjourned at 2:43 p.m.**

Sirie Thongchua
Executive Assistant

Calendar Year 2023 Engineering and Compliance Activity Data


AMY CLYMO
ENGINEERING AND COMPLIANCE MANAGER
FEBRUARY 21, 2024



1

Outline


- Description of Engineering and Compliance
- Activity Data



2

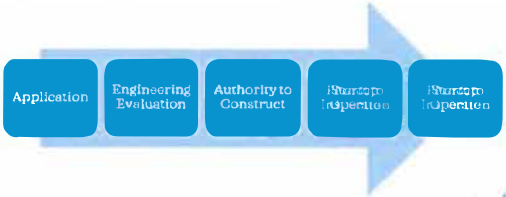
Engineering

- 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



```


graph LR
    A[Application] --> B[Engineering Evaluation]
    B --> C[Authority to Construct]
    C --> D[Startup Inspection]
    D --> E[Startup to Operate]
    
```



4

Engineering Data


Activity	Calendar Year 2023
Applications Received	329
Authorities to Construct Issued	174
Startup Inspections	125
Permits to Operate Issued	219



5

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



6

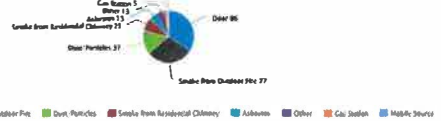
Agenda Item No. 8

Compliance Data

Activity	Calendar Year 2023
Compliance Inspections	1,588
Asbestos Notifications	361
Asbestos Inspections	203
Variance Orders Issued	5
Source Tests Observed	22

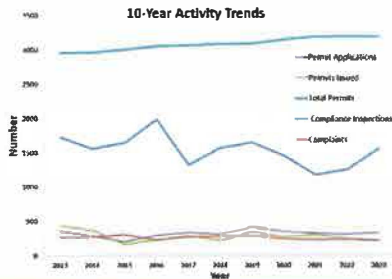


7



Complaints = 254

8



9


Questions?



10

Planning Division Annual Report - 2023


DAVID FRISBEY
PLANNING AND AIR MONITORING MANAGER
FEBRUARY 21, 2024



1

What Planning Does

- Review of CEQA documents
- Administer grant programs to provide emission reduction incentives
- Administer smoke management program to reduce impacts of smoke from open burning
- Public outreach and education about grant programs, wildfire smoke, and other MBARD initiatives
- Special projects, such as forecasting air quality and establishing Clean Air Centers




2

CEQA Documents Reviewed

Project	Type*	Lead Agency	County
Inferlake Tunnel and Spillway Modification	CEIR	Monterey County Water Resources - Office	Monterey
Tore Park Water System Improvement Project	MND	County of Monterey	Monterey
John St. and Abbott St. Mixed Use Development Project	MND	City of Salinas	Monterey
Robert Luis Stevenson School	Final Control Plan	County of Monterey	Monterey
Pavement Recycling Facility Project	MND	City of Del Rey Oaks	Monterey
Greenfield Commons	MND	City of Greenfield	Monterey
Ranch 33 Quarry Project	MND	County of San Benito	San Benito
Coastal Rail Trail - Segments 10 and 11	DEIR	County of Santa Cruz	Santa Cruz

*CEIR - Draft Environmental Impact Report
MND - Mitigated Negative Declaration



3

MBARD Grant Programs

- **AB2708 (\$4 DMV fees)**
 - Transportation and EV Incentives
 - Adaptive Traffic Signal Control
 - Bicycles
 - Fleet Electrification
 - Electric Vehicle Incentive Program
 - Electric Bicycle Incentive Program
- **Carl Moyer Memorial Grant**
 - Repower or replace diesel equipment
- **FARMER**
 - Repower or replace diesel/ag equipment
- **Community Air Protection**
 - Serves Disadvantaged Communities
- **AB923 (\$2 DMV fees)**
 - Zero Emission School Bus
 - Plug In Monterey Bay EV Infrastructure






4

AB 2766 Projects Completed - 2023



Project ID	Grantee	County	Project Type	Grant Offered
20-03	City of Capitola	Santa Cruz	Adaptive Signal Control	\$ 400,000.00
20-02	City of Salinas	Monterey	EV Fleet Replacement	\$ 380,000.00
20-04	City of Monterey	Monterey	Adaptive Signal Control	\$ 382,644.90
20-08	County of Santa Cruz	Santa Cruz	Adaptive Signal Control	\$ 360,748.00
20-10	City of Capitola	Santa Cruz	Adaptive Signal Control	\$ 340,768.00
21-01	City of Salinas	Monterey	Adaptive Signal Control	\$ 400,000.00
21-01	City of Monterey	Monterey	Adaptive Signal Control	\$ 420,000.00
21-04	City of Santa Cruz	Santa Cruz	EV Fleet Replacement	\$ 320,000.00
21-02	Marin Ch. Waters of the Monterey Peninsula	Regional	EV Replacement	\$ 10,000.00
21-03	Resource Management Agency of San Benito County	San Benito	EV Replacement	\$ 10,000.00
21-05	County of San Benito	San Benito	EV Replacement	\$ 10,000.00
Total				\$ 3,115,660.00

11 Projects Completed
Total 2023 Grants = \$3,115,660



5

City of Salinas Fleet Electrification Project

- **Phoenix All-Electric Next Generation Drive System E-LIS**
 - Permanent high-power magnet motor + inverter
 - 180 kWh battery pack
 - 100 to 110 Miles All Electric Range per Charge
 - Dual charging capability
 - o CHAdeMO (up to 60 kW)
 - o J1772 Level II (up to 13 kW)
 - GVW: 14,500 lbs.
 - Dual Mode Regenerative Braking
 - Top Speed 58 mph (up to 45 mph)
 - Acceleration 0-50 mph under 14 seconds
 - Phoenix Telematics System - Phoenix Connect
- **Two Box Trucks**
- **One Flat-Bed Truck**

6

Agenda Item No. 8

Electric Vehicle Incentive Program

\$2500 Hydrogen	\$2000 New Battery	\$1000 New Plug-In	\$1000 Used Battery	\$700 Used Plug-In	\$1000 New E-Moto	\$500 Used E-Moto
0	155	2	8	2	3	0
\$ -	\$ 330,000	\$ 3,000	\$ 7,000	\$ 1,400	\$ 1,000	\$ -

166 Projects Completed
 Total 2023 Grants = \$392,600



7

Electric Vehicle Incentive Program

"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.



"I am absolutely delighted with my new car, which I never could have afforded without all the incentives. It feels so safe and roomy (for the tall men and boys in my family), and easily makes my weekly round trip to Pleasanton without recharging. Thank you!"
 - Nancy O.

- Nancy O.

8

Electric Bicycle Incentive Program

- Allocated \$50,000 from AB2766 budget
- \$500 Incentive
 - New
 - Purchased locally
 - From an established E-bike retailer
- \$1000 minimum Purchase Price
- Class 1, 2 & 3 bikes
- Initially - low-income applicants only
- December 20, 2023 MBARD Board meeting
 - Program open to all applicants of all incomes
 - Increased the incentive amount to \$750
- Nine applications were approved in 2023
- \$4,500 of the funds obligated



9

Assembly Bill 923 Grants

Assembly Bill 923 – DMV collects \$2.00 per registered vehicle

Funds received from vehicle registrations in Monterey, San Benito and Santa Cruz Counties are distributed to MBARD

Directed to:

- required matched funds on Carl Moyer Memorial Grant Program grants
- incentivize the purchase of electric school buses through the Zero-Emission School Bus Program (ZESBP)
- develop electric vehicle charging stations throughout the region through the Plug In Monterey Bay (PIMB) program

Funds were drawn down in prior years and supply chain issues have stalled electric bus deliveries

ZESBP and PIMB were placed on standby in 2023

The programs will be relaunched in 2024



10



11



12



13

Carl Moyer Memorial Grant Program

Project ID	GRANTEE	Project	Grant Amount	County
D21-42	The Alameda Company	1 Tractor	\$ 63,800.00	San Joaquin
D21-02	Shawn Gosler Packing #1	1 Tractor	\$ 160,000.00	Stanislaus
E21-17	Angelo Vineyard Co	2 New 3 Tractor Replacement	\$ 250,000.00	Placer
D21-11	Springs of the Plains	2 New 3 Tractor Replacement	\$ 47,278.00	Monterey
D21-02	Carl Piro	3 Tractor Replacement	\$ 59,800.00	San Benito
D21-06	Bernardo Farms	1 Tractor	\$ 38,575.00	San Benito
D21-33	Frank Fauth, III #1	2 For 3 Tractor Replacement	\$ 163,000.00	Alameda
D21-14	A & T Christopher	1 Tractor Replacement	\$ 50,820.00	Monterey
D21-00	M. Rodden & Co	2 New 3 Tractor Replacement	\$ 209,746.00	Santa Cruz

9 Projects Completed
Total 2023 Carl Moyer Grants Awarded = \$773,088

14

Project D21-60
The Alameda Company
\$ 53,895.00

15

FARMER Grant Program

Project ID	GRANTEE	PROJECT	GRANT
D21-31	Topkawa Farms	1 Tractor Replacement	\$ 187,384.00
D21-83	Solazar Organic	1 Tractor Replacement	\$ 70,666.00
D21-59	Farmer Farms	2 For 3 Tractor Replacement	\$ 462,675.00
D21-02	Jim Hoar's Landside	2 Tractor Replacement	\$ 130,198.00
D21-50	Grant's Grow Management	1 Tractor Replacement	\$ 133,730.00
D21-40	Farmer's Packing #2	2 Tractor Replacement	\$ 55,869.00
D21-88	Shawn Bone Cigamon	1 Tractor Replacement	\$ 40,852.51
D21-37	Ray Sanchez #1	2 For 1 Tractor Replacement	\$ 250,000.00
D21-01	Shawn's Packing #3	2 Tractor Replacement	\$ 51,107.00
D21-20	R22 Lovelock Market	1 Tractor Replacement	\$ 41,388.00
D21-19	Harwood #1 #1	2 For 2 Tractor Replacement	\$ 30,818.00
D21-28	K. Farms	1 Tractor Replacement	\$ 150,000.00

12 projects completed
Total 2023 FARMER Grants Awarded = \$1,101,725.51

16

D21-50
Invest Grow Management
Tractor Replacement
\$ 133,785.00

17

Community Air Protection Program (CAP Program)

Project ID	GRANTEE	GRANT	PROJECT
CAPP-15	Merrill Farms	\$150,000.00	1 Tractor Replacement
CAPP-14	MCOF	\$90,470.00	Electric School Bus

2 Projects Completed
Total 2023
CAPP Grants Awarded = \$540,470

18

Agenda Item No. 8

Wood Smoke Reduction Program

MBARD was allocated \$609,154 from Greenhouse Gas Reduction Fund



Replace uncertified, inefficient wood burning devices with cleaner-burning and more efficient devices

MBARD launched the Wood Stove Change-Out Program locally using funds from the Wood Smoke Reduction program on December 14, 2023

Replacement Devices:

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

> NATURAL GAS AND PROPANE NO LONGER ALLOWED <





19

Wood Smoke Reduction Program



Pre-Inspection of an Open Fireplace

BEFORE



Post-Install Catalytic Woodstove Insert

AFTER

20

Landscape Equipment Exchange Program (LEEP)

AB 1346 prohibits the sale of small off-road gasoline powered equipment on or after January 1, 2024



MBARD Received \$360,000 CARB grant from CMP State Reserve implement a commercial lawn and garden equipment replacement program.

\$80,000 from the CMP has been set aside for a residential program.

LEEP program launched in December 2023

replace old, combustion landscape equipment with new, electric, cordless, zero-emission landscape equipment.

Eligible replacement equipment includes chainsaws, trimmers, edgers, brush cutters, leaf blowers, vacuums, walk-behind lawnmowers, and ride-on or stand/sit mowers.

21

Outreach & Education

Program Promotion

- Diesel Engine and Equipment Replacement Program
- Community Air Protection Program


Community Events

- EVs for Everyone Sponsor
- Ride and Drive Event in Salinas
- Clean Air Awareness Week
- Earth Day

Media

- Social - Twitter, Facebook, Instagram, YouTube
- Website
- Radio
- Print
- TV

Outreach in Spanish Language



22

Smoke Management Program




23


Smoke Management Program

Online Permitting

- Backyard Burning
- Agricultural Burning

Prescribed Burning

- Work with Land Managers to develop Smoke Management Permit
- Metecrological Forecasting
- On-Site Assessment of Smoke Dispersion
- Funding for administration of the SMP comes from a \$184,700 grant through CARB



24

2023 Open Burns

Ag Burn Permits	
Monteary	60
San Benito	18
Santa Cruz	66
Total Permits	164

Backyard Burn Permits	
Monteary	190
San Benito	37
Santa Cruz	1526
Total Permits	1743

Agency	Prescribed Burns
San Benito County	27
San Luis Obispo County	16,612
Santa Cruz County	6,287
Total	22,567 tons of PM10 emissions

Agency	Project	Acres/Permit	Permits Issued	Tons/Permit
San Benito	Ag Burn	100	10	100
San Benito	Prescribed	200	10	200
San Benito	Backyard	100	10	100
San Benito	Commercial	100	10	100
San Benito	Industrial	100	10	100
San Benito	Residential	100	10	100
San Benito	Public Works	100	10	100
San Benito	Other	100	10	100
San Benito	Subtotal	100	10	100
San Luis Obispo	Ag Burn	100	10	100
San Luis Obispo	Prescribed	200	10	200
San Luis Obispo	Backyard	100	10	100
San Luis Obispo	Commercial	100	10	100
San Luis Obispo	Industrial	100	10	100
San Luis Obispo	Residential	100	10	100
San Luis Obispo	Public Works	100	10	100
San Luis Obispo	Other	100	10	100
San Luis Obispo	Subtotal	100	10	100
Santa Cruz	Ag Burn	100	10	100
Santa Cruz	Prescribed	200	10	200
Santa Cruz	Backyard	100	10	100
Santa Cruz	Commercial	100	10	100
Santa Cruz	Industrial	100	10	100
Santa Cruz	Residential	100	10	100
Santa Cruz	Public Works	100	10	100
Santa Cruz	Other	100	10	100
Santa Cruz	Subtotal	100	10	100
Total	Subtotal	100	10	100

25

Special Projects

San Lorenzo Valley PM2.5 Reduction Project

- Higher measured concentrations of smoke due to frequent temperature inversions during the winter months
- Measured PM2.5 concentrations above the federal 24-hour standard
- Primary source of PM2.5 emissions is smoke from wood burning for home heating
- Implement Spouse the Air and Wood Stove Change Out program to reduce PM2.5 emissions during Fall and Winter

Air Quality Forecasting


- Review pollutant concentrations and weather conditions to predict future pollutant levels at local and regional scales
- Forecasts are updated 2x/week and made available on the MB&B website

Blue Whales and Blue Skies

- Collaboration of Coastal Air Districts and National Oceanic and Atmospheric Administration
- Reduce speed of ships along coast to limit whale strikes and improve air quality

Clean Air Centers

- \$29,930.11 grant from CAPCOA for equipment to establish Clean Air Centers for relief from wildfire smoke
- Work with Breathe California to implement program



26




Questions?

27

Agenda Item No. 8

Calendar Year 2023 Air Monitoring Summary


SHAWN BOYLE
AIR MONITORING AND PLANNING SUPERVISOR
FEBRUARY 2024



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.




2



3

National and State Ambient Air Quality Standards

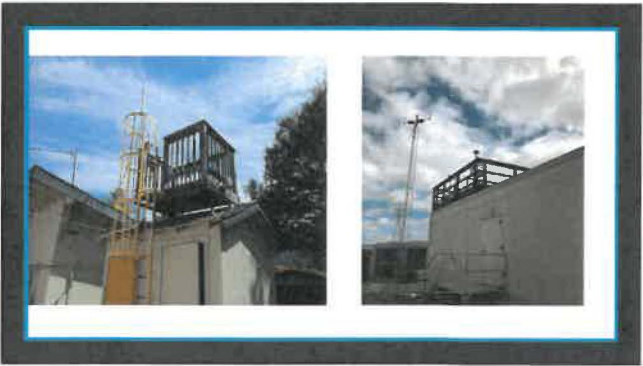
- EPA and CARB have adopted ambient air quality standards for certain "criteria pollutants" based on pollutant levels from medical and scientific studies as well as secondary factors of human welfare.
- In the MBARD jurisdiction, the three criteria pollutants of concern are **Ozone**, **PM₁₀**, **PM_{2.5}**.



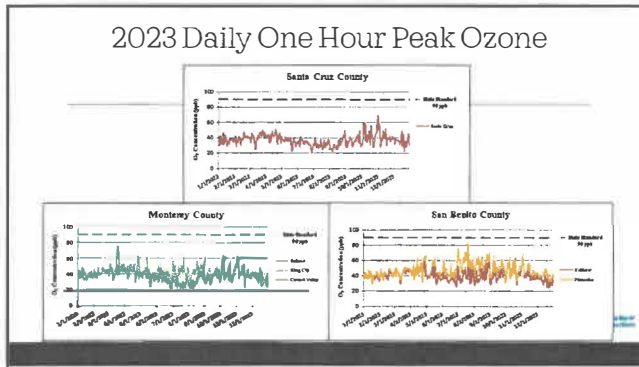
4



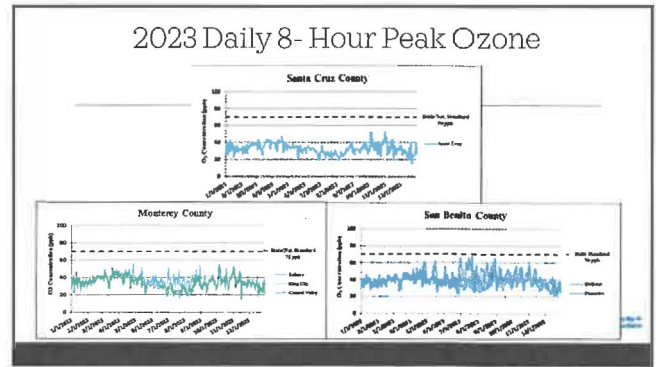
5



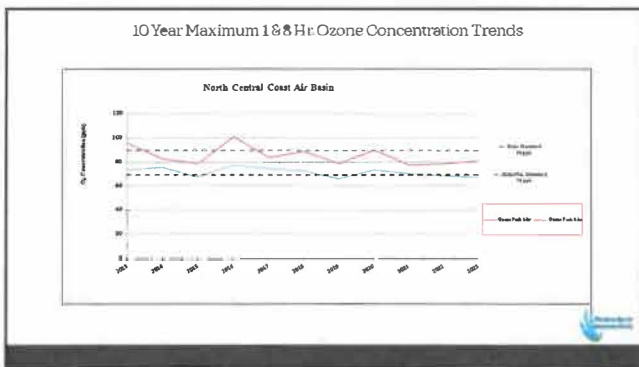
6



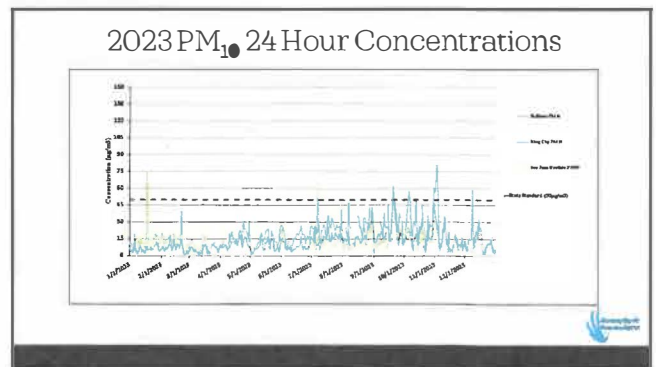
7



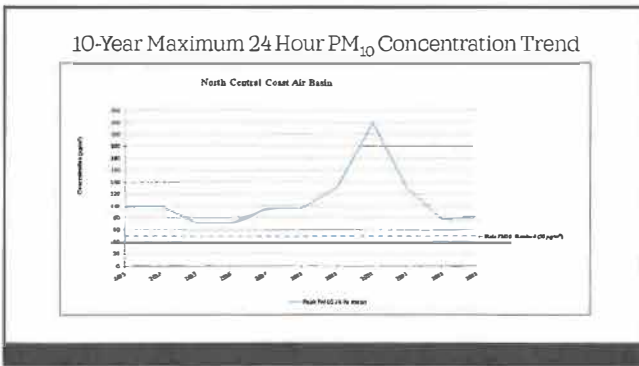
8



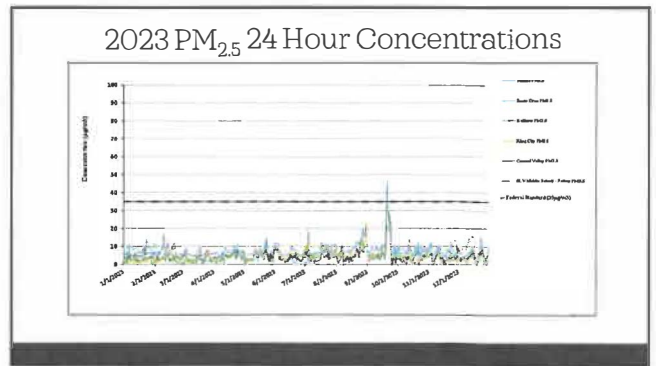
9



10

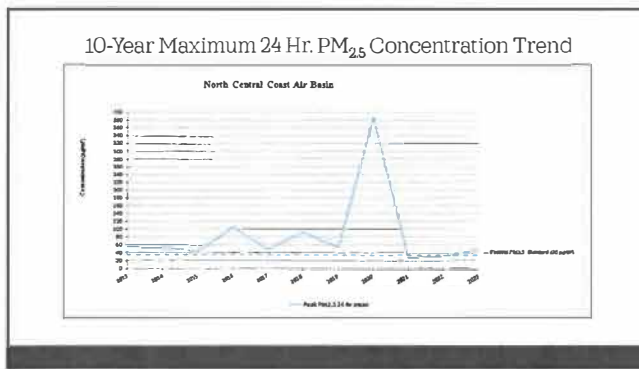


11



12

Agenda Item No. 8



13



14



15



16