



MONTEREY BAY AIR RESOURCES DISTRICT ADVISORY COMMITTEE MEETING

JANET BRENNAN, CHAIR

THURSDAY, October 3, 2024 – 1:30 P.M.

24580 Silver Cloud Court, Monterey, CA – Boardroom

REMOTE MEETING OPTION FOR PUBLIC

Link to meeting: <https://us02web.zoom.us/j/84701902921>

Webinar ID: 847 0190 2921

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

Members of the public that wish to participate in the hearing may do so by joining the Zoom Webinar ID or in-person at 24580 Silver Cloud Ct. Monterey. 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 meeting live, verbal public comments may be made by members of the public joining the meeting via Zoom. Zoom access information is provided above. 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 proceedings 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.

Before the Meeting: Persons who wish to address the Advisory Committee 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, October 1, 2024. Comments received will be distributed to the Advisory Committee prior to the meeting.

SUMMARY OF ACTIONS

1. Call to Order- **The meeting was called to order by Chair Brennan at 1:31 p.m.**
2. Roll Call - **Present:** Janet Brennan, Sandy Coplin, Matthew McCluney, Bob Smith, Allen Stroh. **Absent:** Zane Hatchett, Scott Storm, Sandy Swint, Caitlyn Turley.
3. Changes to the Agenda – **None.**
4. Public Comment Period – **None.**
5. **Accepted** and **Filed** Summary of Actions for the Advisory Committee Meeting of April 4, 2024
6. **Accepted** and **Filed** Summary of Actions for the Advisory Committee Meeting August 1, 2024
7. **Received** a Presentation on Motor Vehicle Emission-Reduction Grants Using AB 2766 Funds.
8. **Received** an Update on the Air Toxics Program
9. **Received** Monthly Oral Report from Air Pollution Control Officer **Richard Stedman, Air Pollution Control Officer, reported on the following:**
Board Meeting
August 21, 2024
 - Held a Public Hearing and adopted a Resolution approving revisions to Rule 218: Title V Federal Operating Permits
 - Authorized the Air Pollution Control Officer to implement the Zero Emission School Bus Program (ZESBP) utilizing \$2 million in AB 923 funds

District Business

Happy 50th Anniversary MBARD!

Engineering and Compliance

- In July 2023, EPA published a final rule to remove the Title V emergency affirmative defense provisions from state operating permit programs. This action requires MBARD to update our Title V federal operating permit Rule 218 consistent with EPA's rule. The revisions to Rule 218 will go out to the public for review this summer and come to the Board for adoption at the August meeting.

- On June 3, the Hearing Board approved a variance for UC Santa Cruz to operate a natural gas emergency generator while changing out a transformer during a planned power outage.
- We are working with an attorney, Matt Maclear, to take the next steps of legal action for the gas station in Marina operating without a permit. The case initially went to our Hearing Board for an abatement order, which was not successful in achieving compliance. On June 7, 2024, the case was filed with the Monterey County Superior Court.

The case was settled at the end of August.

- No odor complaints have been received from Marina residents since the April Board meeting.

Planning and Air Monitoring

- Just as the Spare the Air wood heating season ended, fire season has begun. We are tracking several fires and smoke impacts from northern California experienced in our tri-county area.
- Since the start of the Wood Stove Change Out Program in November 2023, MBARD has awarded \$134K toward incentives for the purchase of new, more efficient, and EPA-compliant wood-burning stoves. Most incentives have been for purchases in the San Lorenzo Valley, a smoke-sensitive area. This will help reduce smoke impacts from wood burning for home heating. We recently were awarded unspent funds from VCAPCD to add to our WSCOP.
- With the ZERO EMISSION SCHOOL BUS PROGRAM, MBARD has helped provide two electric school buses that were recently delivered to:
 - Santa Cruz City Schools
 - San Benito High School District
- Since the November 2023 start of the LEEP Program – MBARD has awarded \$36K for residential and \$81K for commercial incentives for the replacement of gas engine-powered landscape equipment for the exchange of cleaner, electric equipment.
- MBARD is moving forward with an opportunity to work with Morgan State University and NASA for a three-year project involving pollutant data collected from the MBARD Clarity Sensor Network. NASA researchers will review PM_{2.5}, PM₁₀, and NO₂ data collected by the sensors. This data will then be used to compare data collected from NASA satellite remote sensing and further analysis from global air quality models. The goal of the project is to enhance the utility of air pollution sensor technology and create protocols and tools to establish a calibration

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framework for sensors and sensor manufacturers. This data will also be shared with EPA for their knowledge and research in establishing future sensor technology for data collection regulations. This is an exciting opportunity for MBARD to help with the evolution of sensor technology to improve their reliability and for their use in air pollution regulatory monitoring

- There have been approximately 673 acres of prescribed burning in the jurisdiction since the start of 2024 until June 18.

Lastly, EPA Region 9 has allocated \$662,488 for the “IRA Section 60105 (b) grant and \$20,000 for the IRA Section 60106(c) grant.

10. Future Agenda Items – **None.**

11. Chairman’s Comments – **None.**


12. Comments from Committee Members – **None.**

13. Order for Adjournment – **The meeting adjourned at 2:17 p.m.**

Sirie Thongchua
Executive Assistant

AB2766 Motor Vehicle Emission Reduction Program

FY 24-25 - Staff Recommendations for Project Funding



Advisory Committee Presentation
October 03, 2024
Eli Lessman, Air Quality Planner I

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California Assembly Bill 2766 (AB2766)

- Signed into law in 1990.
- \$4.00 per DMV vehicle registration.
- For 34 years projects have reduced air pollution from motor vehicles

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Clean Vehicle Program




- Light-Duty
- Purchased or Leased
- Light-duty max grant = \$20,000 (new) or \$15,000 (used)
- Medium-, heavy-duty max grant = \$200,000

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Clean Air Management Program

- Project Types:
 - Active transportation infrastructure
 - Battery Charging Stations
 - Fleet electrification


- Max Grant = \$200,000
- Ranked according to quantifiable cost-effectiveness and total annual emission reductions
 - 1. CMAQ2: Methods to Find the Cost-Effectiveness of Funding for Quality Projects (July 1999)
 - 2. CMAQ2: Emission Calculation Toolkit (August 2015; November 2022)
 - 3. Congestion Mitigation and Air Quality Improvement (CMAQ2) Emission Factors Table (February 2024)

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- Program Budget: \$1.2 Million
- Total Requested: \$2.55 Million

County	Population	Population Based Funding	Funds Requested	Recommended Funding
Monterey	432,858	\$ 681,401.45	\$ 1,490,000.00	\$ 640,000.00
San Benito	67,579	\$ 106,382.30	\$ 760,000.00	\$ 360,000.00
Santa Cruz	261,859	\$ 412,216.25	\$ 300,000.00	\$ 200,000.00

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Recommended Project Funding

County	Project Name	Requestor	Request Amount	Recommended Amount	Notes
Monterey	Monterey County Air Quality Improvement Fund	Monterey County	\$ 1,490,000.00	\$ 640,000.00	
	San Benito County Air Quality Improvement Fund	San Benito County	\$ 760,000.00	\$ 360,000.00	
	Santa Cruz County Air Quality Improvement Fund	Santa Cruz County	\$ 300,000.00	\$ 200,000.00	
Total			\$ 2,550,000.00	\$ 1,200,000.00	

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Monterey County (San Lucas Community): Street Cleaner Expansion Project

- Expansion of a single *Ravo R5e-eSeries EV Streetsweeper*
- Brings first zero-emission street sweeper to community
- Lowers road dust
- Total Project Cost: \$647,065.21
- Request: \$200,000
- Recommend: \$200,000




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UC Santa Cruz – Shuttle Bus Replacement Project

- Replace 1 old shuttle program vehicle
- Annual Vehicle Miles Traveled: 8370
- Total Project Cost: \$1,124,892.00
- Request: \$200,000
- Recommend: \$100,000





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Sunny Slope Water District – MD and HD Replacements/HD Expansion

- Supports replacement of two vehicles (a MD and a HD), and 1 HD expansion
- Total Project Cost: \$726,895.00
- Request: \$300,000
- Recommend: \$200,000



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City of San Jose: Multiuse Trail and EV Infrastructure




- Monterey Recreational Trail and the MST Surf Line
- Past funding: \$205k
- Current Funding: \$100k
- Large, long project. More funding (for battery charging stations and construction) will be needed.

- City Link
- Potential Parking Locations
- Improved Bike Lanes
- Connection to Monterey Recreational Trail
- MST SURF Line Station
- Proposed Bike Trail Route




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City of Monterey (Corp Yard) - Battery Charging Station




- Project supports City of Monterey's:
 - Streets & Utilities section of the Public Works Department's Maintenance Division
 - The Fleet Operations Division
 - the Parks Operations Division
- Project is the first of several phases, and includes:
 - 6 Level 2 chargers
 - 2 DC Fast Chargers
 - 8x EV Chargers
 - Request and Recommend \$200,000




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San Benito County – Battery Charging Station



- Fund and administer project through CAPP.
- And apply to future MBARD programs for potentially more Battery Charging Station incentive funding.
- Supports two (2) DC Fast Charge Stations at:
 - San Benito County of Emergency Services (471 4th Street)
 - San Benito County Resources Management Office (2301 Technology Parkway)



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City of Hollister – Battery Charging Station

Supports two (2) level two Beam EV Arch battery charging stations with ChargePoint Dual Plug:

- Hollister Community Center (300 West Street)
- Hollister Dog Park (2300 San Felipe Rd)

- Request \$200,000. Recommend \$100,000 for Battery Charging Stations.
- And apply to future MBARD programs for potentially more Battery Charging Station incentive funding.

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Salinas Valley Recycles – Battery Charging Station

Supports six (6) level two battery charging stations with dual ports:

- Salinas Valley Recycles (126 Sun Street)

- Fund and administer project through CAPP.
- And apply to future MBARD programs for potentially more Battery Charging Station incentive funding.

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Light-Duty Projects: Monterey County

City of Marina - Marina Municipality Support	LD Replacements (2)
Salinas Valley Solid Waste Authority	LD Replacement (1)
Wheeler in Wexler Center (Monterey Peninsula Non-profit)	LD Replacement (1)
City of Mendocino	LD Replacements (2)
Washington Union Elementary School District	LD Expansion (1)

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Light-Duty Projects: Santa Cruz County

Santa Cruz City Schools	LD Replacements (3)
City of Watsonville	LD Replacement (1)
Great Bears (non-profit)	LD Replacement (1)

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Light-Duty Projects: San Benito County

San Benito Health Foundation	LD Replacement (1)
City of San Juan Bautista (POC: Ray Morales - Public Safety)	LD Replacement (1)
City of San Juan Bautista (POC: Paul Champion - Fleet Manager)	LD Expansion (1)

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Electric Vehicle Incentive Program (as of 10/3/24)

Total Starting Funds (10/3/24)	\$400,000.00	100%
Total Funds Committed	\$102,375.00	26%
Remaining to Commit	\$297,625.00	74%
Total Number of Applications	78	
Number of Eligible Incentives Committed	77	
Total Completed	71	
Total # Low-income applications	8	

* Last cycle, funding exhausted after 91 days (Disbursement rate: ~\$3,800 /day).

** As of October 1st, at 92 days in, we are 25% through the year, with 28% of EVIP funds committed. (Disbursement rate: ~\$1,100 /day).

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Questions & Discussion




Air Toxics Program Update

AMY CLYMO
ENGINEERING AND COMPLIANCE MANAGER
OCTOBER 3, 2024




1

What is an Air Toxic?



Benzene


- Federal HAP (Hazardous Air Pollutant)
 - An air pollutant listed under section 112 (b) of the Federal Clean Air Act as particularly hazardous to health.
- State TAC (Toxic Air Contaminant)
 - An air pollutant, identified in regulation by the California Air Resources Board, which may cause or contribute to an increase in deaths or in serious illness, or which may pose a present or potential hazard to human health.



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Air Toxics “Hot Spots”

- In 1987, the California legislature adopted the Air Toxic “Hot Spots” Information and Assessment Act (AB2588).
- Health and Safety Code Section 44363 requires annual report.
- Goals of the act:
 - Calculate toxic emissions;
 - Identify facilities having localized impacts;
 - Determine health risks; and
 - Notify affected individuals when applicable.



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Air Toxics “Hot Spots” Process

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Emission Inventory and Prioritization Score (PS)

Prioritization	Acute/Chronic Risk Score	Cancer Risk Score
Low	<1	< 1 in one million
Intermediate	≥1	≥ 1 in one million
High	≥10	≥ 10 in one million


HIGH = facility must prepare and submit a health risk assessment (HRA)

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Public Notification

- Notification triggered when HRA results exceed values in table below:

Significant Risk Threshold	
Cancer Risk	> 10 in one million
Acute/Chronic Risk Index	> 1



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Recent Activities

- Update review 9 intermediate level facilities
 - Significant increase is 10% or greater increase in throughput, emissions, or process activity.
 - No significant increase identified.
 - Facilities are now reporting emissions annually to state.



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Future Activities

- Complete remaining facilities in source categories: Aggregate operations, military installations, and smaller gas stations.
- Begin two additional industrywide sources; Autobody shops and non-vehicular diesel engines.
- Postpone remaining wastewater treatment plants to align with state emission reporting timeline in 2028.
 - Note: The largest plants have already been reviewed.
- Additional program support in 2025



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Questions?



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