



Monterey Bay Air Resources District
BOARD OF DIRECTORS MEETING

STEVE MCSHANE, CHAIR

WEDNESDAY, OCTOBER 19, 2022 - 1:30 P.M.

(Following the Special Board of Directors Meeting)

REMOTE MEETING ONLY

Link to meeting: <https://us02web.zoom.us/j/89006426063>

Webinar ID: 890 0642 6063

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

On September 16, 2021, Governor Newsom signed AB 361. This legislation amends the Brown Act to allow meeting bodies subject to the Brown Act to meet via teleconference during a proclaimed state of emergency in accordance with teleconference procedures established by AB 361 rather than under the Brown Act's more narrow standard rules for participation in a meeting by teleconference. The Monterey County Health Officer has issued a recommendation for social distancing in legislative body meetings, so the first meeting after September 30, 2021, may be held without making findings. If the Board of Directors desires to continue to meet remotely via teleconference after that first meeting, the Board is required to make certain findings under AB 361 no later than 30 days after the first teleconference meeting held pursuant to AB 361, and every 30 days thereafter. Members of the public that wish to participate in a meeting may do so by joining the Zoom Webinar ID. 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 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, October 17, 2022. 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 McShane at 1:37 p.m.**
2. PLEDGE OF ALLEGIANCE
3. ROLL CALL - **Present:** Sandy Brown, Mary Ann Carbone, Ryan Coonerty, Zach Friend, Kollin Kosmicki, Mike LeBarre, Steve McShane, John Phillips.
Absent: Wendy Askew, Chris Lopez, Sam Storey.
4. PRESENTATION
 - a. RECOGNITION OF OUTGOING MEMBER OF THE HEARING BOARD
 - Anne E. Hall, RCE, QSD, was thanked for serving 15 years as the Professional Engineer member of the Hearing Board. Appointed: April 18, 2007. Term expires: November 30, 2022.
5. PUBLIC COMMENT – **None.**
6. REPORTS BY COMMITTEE CHAIRS ON COMMITTEE MEETINGS
 - a. Budget, Personnel, and Nominating Committee
 - b. Advisory Committee
7. COMMENTS AND REFERRALS FROM CHAIR AND BOARD MEMBERS
8. REPORT FROM AIR POLLUTION CONTROL OFFICER
Richard Stedman, APCO, reported on the following:
 - Advisory Committee
 - The Advisory Committee met in September.
 - District Business
 - Update on roof
 - Cost increase
 - Ausonio Construction project management
 - RFP
 - Engineering and Compliance
 - Recently signed Senate Bill 1137 imposes new requirements on oil & gas operations in the state. The California Geologic Energy Management Division (CalGEM) is currently developing an emergency regulation to take effect by January 1, 2023. The CalGEM regulation will implement the bill requirements and lay the groundwork for future

regulatory activity. MBARD staff will follow the emergency regulation and consider providing comments as they relate to the existing California Air Resources Board's (CARB) Oil and Gas Regulation and our responsibilities under the Memorandum of Agreement with CARB to implement the existing regulation.

- We have a request for proposals out for services to help us setup an electronic data transfer from our database to the US Environmental Protection Agency's (EPA) Integrated Compliance Information System database. We routinely have to manually enter data into EPA's database for our Title V sources. This project will be funded by an EPA Exchange Network Grant.
- On September 28, we received several odor complaints regarding an auto body shop in Santa Cruz. When our inspector arrived less than 30 minutes after the time we received complaints and they were not able to detect an odor. We conducted an additional inspection on October 3, 2022 and did not find any violations of our permit conditions. One complainant has submitted two complaints to the California Air Resources Board (CARB) because they are not satisfied with our findings. CARB refers complaints back to the local air district and we have been in communication with CARB about our findings.
- We received 5 odor complaints from City of Marina residents since the last Board meeting. The odors were described as "acidic/vinegar", "eucalyptus", and "sweet organic odor". In addition, on October 14, we received a public records request for information such as odor complaints which will be used for the Marina Odor Study.
- We have had several inquiries about using air curtain incinerators as an alternative to open pile burning for burning vegetation. Air curtain incinerators operate by forcefully projecting a curtain of air across an open combustion chamber which reduces smoke. However, this method can introduce permit requirements not applicable to open pile burning. For example, a permit may be needed for the engine used to power the air curtain burner. Also, there is a federal Standard of Performance applicable to air curtain incinerators which requires a Title V permit. A Title V permit introduces record keeping and reporting requirements for the operator and requires MBARD to report data to the US EPA database. Engineering and Planning are working together to coordinate the permit requirement review and communication to potential air curtain incinerator users.

Planning and Air Monitoring

- The Electric Vehicle Incentive Program is continuing with 102 applications approved, 14 of which were low-income. \$204,700 is obligated with \$145,300 remaining.
- All computer systems and data loggers at each of the air monitoring stations are in the process of being replaced with updated computers. Only one station, San Juan Bautista, remains to be upgraded. Upgrades are needed to keep up with improvements in air monitoring technology.
- Last year the Air Monitoring Division transitioned all the air monitoring station and equipment logs from a paper to a digital system. The advantages of transitioning to digital logs include ease of data entry and tracking, ability to review data remotely and generate customizable reports, and to reduce the risk of damage or loss. This system was built internally by MBARD staff using, Laserfiche software, a document

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Wednesday, October 19, 2022

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management system. A poster describing the program and a presentation will be provided at the National Association of Clean Air Agencies (NACAA) conference this week.

Outreach

- October 2 Salinas EV Ride, Drive and Display Event
Booth and Sponsor National Drive Electric Day Event in Salinas
We had positive results all the way around:
 - 80 test drives
 - About 500 attendees
 - 280 passports turned in
 - KSBW coverage on the evening news on 10/2 and morning news on 10/3
- October 8 Breathe California Breath of Life Walk
MBARD sponsored the [Breath of Life Walk](#) in San Jose.
- Clearing the Air Newsletter October 2022
Our [October Newsletter](#) is out in English and Spanish. Stay up to date on the latest news on keeping our air clean in Monterey, San Benito, and Santa Cruz Counties.

CONSENT AGENDA

Public Comment: Michael Guth, Chair, MBARD Hearing Board, commented on Agenda Item No. 15

Addition to Agenda Item No. 15 motion: Approve Recommended Appointment of Emmett Linder as the Public Member and John Villegas as the Alternate Public Member to MBARD Hearing Board.

Motion: Approve items on the Consent Agenda with addition to Agenda Item No. 15.

Action: Approve. **Moved by** Mary Ann Carbone, **Seconded by** Sandy Brown. **Vote:** Motion carried by unanimous roll call vote (**summary: Yes = 8**). **Yes:** Sandy Brown, Mary Ann Carbone, Ryan Coonerty, Zach Friend, Kollin Kosmicki, Mike LeBarre, Steve McShane, John Phillips.

Absent: Wendy Askew, Chris Lopez, Sam Storey.

9. **Accepted** and **Filed** Summary of Actions for the August 17, 2022, Board of Directors Meeting
10. **Received** and **Filed** Preliminary Budget to Actual Report for the Twelve Months Ended June 30, 2022
11. **Received** and **Filed** Budget to Actual Report for the Two Months Ended August 31, 2022
12. **Received** and **Filed** Budget to Actual Report of the Three Months Ended September 30, 2022

13. **Accepted** and **Filed** Report of Summary of Mutual Settlement Program Actions for August and September 2022
14. **Approved** Out-of-State Travel Request for the Air Pollution Control Officer (APCO) to Attend the National Association of Clean Air Agencies (NACAA) Fall Membership Meeting in Arlington, VA, October 18-20, 2022
15. **Appointed** Emmett Linder as the Public Member and John Villegas as the Alternate Public Member to the Hearing Board in Accordance with the Budget, Personnel and Nominating Committee Recommendations
16. **Approved** Extension Request by the City of Salinas for the AB2766 Grant 20-02 E-Fleet
17. **Resolution No. 22-014: Adopted** a Resolution Authorizing the Air Pollution Control Officer to Apply for Funding, Accept Funding, and Administer the FY 2022-23 Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program

REGULAR AGENDA

18. **Received** an Update on the Air Toxics Program
Receive the presentation only; no action required.
19. **Resolution No. 22-015: Adopted** a Resolution Allocating \$1,200,000 to the FY 2022-23 AB2766 Motor Vehicle Emissions Reduction Grant Program and Authorizing the Air Pollution Control Officer to Grant up to \$1,200,000 to the Attached List of FY 2022-23 AB2766 Staff Recommended Grant Awards
***Motion:** Adopt resolution. **Action:** Approve. **Moved by** John Phillips, **Seconded by** Mike LeBarre. **Vote:** Motion carried by unanimous roll call vote (**summary: Yes = 8**). **Yes:** Sandy Brown, Mary Ann Carbone, Ryan Coonerty, Zach Friend, Kollin Kosmicki, Mike LeBarre, Steve McShane, John Phillips. **Absent:** Wendy Askew, Chris Lopez, Sam Storey.*
20. Adjournment – **The meeting adjourned at 2:32 p.m.**

Sirie Thongchua
Executive Assistant

Agenda Item No. 9

Air Toxics Program Update


AMY CLYMO
ENGINEERING AND COMPLIANCE MANAGER
OCTOBER 19, 2022



1

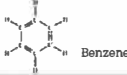
Outline

- What is an Air Toxic?
- Air Toxics “Hot Spots” Act
- Implementation Timeline




2

What is an Air Toxic?



•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.



3

Air Toxics “Hot Spots”

- In 1987, the California legislature adopted the Air Toxic “Hot Spots” Information and Assessment Act (AB2588).
- Goals of the act:
 - Collect toxic air contaminant (TAC) emissions;
 - Identify facilities having localized impacts;
 - Determine health risks; and
 - Notify affected individuals.



4

What is the Air Toxics “Hot Spots” Process?

- Applicability
- Emission Inventory Plans and Reports
- Risk Assessment
- Public Notification
- Risk Reduction



5

Emission Inventory and Prioritization Score (PS)

If $PS \geq 10$, the facility must prepare and submit a health risk assessment (HRA).

HIGH

If PS is between 1 and 10, the facility must submit an updated EI every 4 years.

INTERMEDIATE

If $PS \leq 1$, the facility is exempt.

LOW

6

Public Notification

•For facilities with $PS \geq 10$, notification triggered when HRA results exceed values in table below:

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



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Recent Activities

- OEHHA completed 3 hospital HRAs reviews
 - One hospital remains high risk and moved to risk reduction planning
 - Two hospitals shown to be intermediate risk move to 4-year inventory
- California Air Resources Board (2022)
 - January 2022 - Update to Criteria Air Pollutants and Toxics Air Contaminants Reporting Regulation
 - February 2022 - Gasoline Service Station Industrywide Risk Assessment Technical Guidance
 - March 2022 - Update to AB2588 Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines Regulation - adds hundreds of new substance



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Future Activities

- Complete source categories: Aggregate operations, wastewater treatment facilities, military installations.
- Begin gas stations using California Air Resources Board adopted industrywide guidance document.
- Transition intermediate facilities to California Air Resources Board's Criteria and Toxics Emission Reporting Regulation.



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Questions?



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FY 2022-23 AB2766 Project Recommendations




Board of Directors Presentation
October 19, 2022
Tyrone Bell, Air Quality Planner I

1

California Assembly Bill 2766 (AB2766)

- ❖ Signed into law in 1990.
- ❖ Permits MBARD to allocate a \$4.00 per vehicle registration surcharge fee.
- ❖ Funds for projects that reduce motor vehicle emissions.
- ❖ Related planning, monitoring, enforcement, and technical studies pursuant to the California Clean Air Act.
- ❖ Public and private agencies.



2

Clean Vehicle Program





- ❖ Light-Duty EVs
- ❖ Purchased or Leased
- ❖ Max Grant = \$10,000 (new) or \$7,500 (used)




3

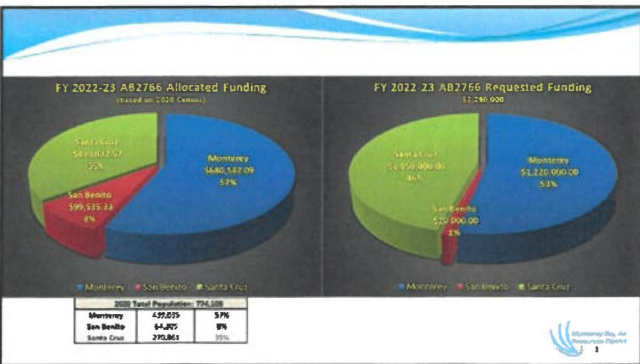
Clean Air Management Program



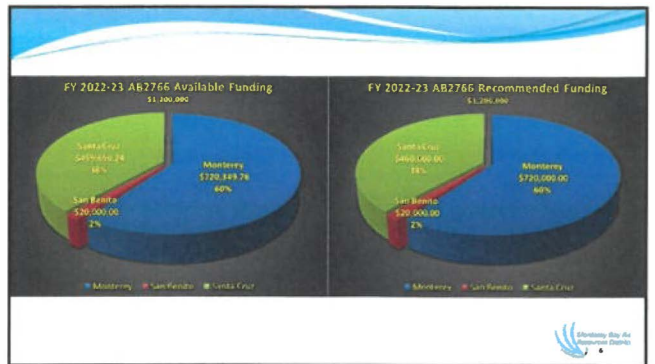
- ❖ Fixed Assets
 - ✓ roundabout design/construction
 - ✓ adaptive traffic signal controls
 - ✓ fleet electrification
- ❖ Max Grant = \$400,000
- ❖ Ranked according to quantifiable cost-effectiveness and total annual emission reductions
 - Methods to Find the Cost-Effectiveness of Funding Air Quality Projects (Mar 2005)
 - Congestion Mitigation and Air Quality Improvement (CMAQ) Emissions Factors Table (November 2021)



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Recommended Projects

Project ID	Applicant	Project Title	County	Grant Offered	Cost \$ per lb	Lbs
23-01	Monterey Caltrans Transit District	MGT 27th Ave	Monterey	\$ 100,000.00	\$ 78.57	1,272.50
23-02	County of Monterey	East & Resurrection Rd Roundabout	Monterey	\$ 100,000.00	\$ 85.30	1,172.20
23-03	Meals on Wheels of the Monterey Peninsula	EV Replacement	Monterey	\$ 100,000.00	\$ 99.83	1,001.60
23-04	City of Salinas	EV Replacement	Monterey	\$ 100,000.00	\$ 78.41	1,275.35
Net Recommendation: MGT - 1687/Quarry and 1071 Roundabout						
				\$ 400,000.00	\$ 83.15	4,821.65
23-05	Monterey Signal Agency of San Benito County	EV Replacement	San Benito	\$ 100,000.00	\$ 82.20	1,216.54
23-06	County of Santa Cruz	EV Replacement	Santa Cruz	\$ 100,000.00	\$ 81.30	1,229.88
				\$ 200,000.00	\$ 81.75	2,446.42
23-07	City of Salinas	ZEV Street Sweeper	Santa Cruz	\$ 200,000.00	\$ 81.12	2,465.42
23-08	County of Santa Cruz	EV Replacement	Santa Cruz	\$ 200,000.00	\$ 84.37	2,370.59
23-09	City of Capitola	EV Replacement	Santa Cruz	\$ 100,000.00	\$ 81.32	1,229.88
				\$ 400,000.00	\$ 81.61	4,925.83
				Cumulative Totals and Averages		
				\$ 2,300,000.00	\$ 81.52	2,827.50

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23-04 Meals On Wheels of the Monterey Peninsula – EV Replacement

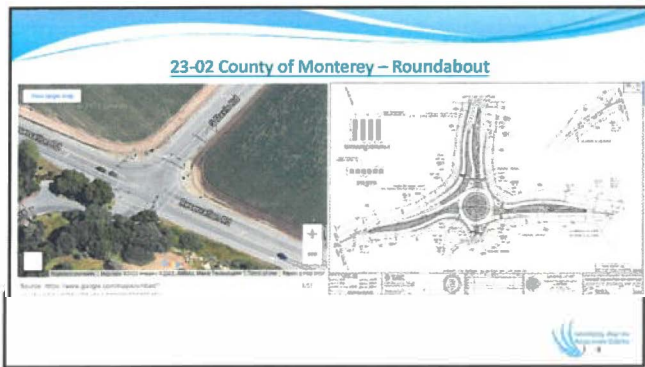
Our nation's senior population is growing exponentially.

- 1 in 5 Americans is 65 years old or older
- 12,000 more people turn 65 years old every day
- Average life expectancy is 81 years in California
- By 2018, adults 60 and over will make up 15% of California's population.
- By 2019, the senior population will double in Monterey County.

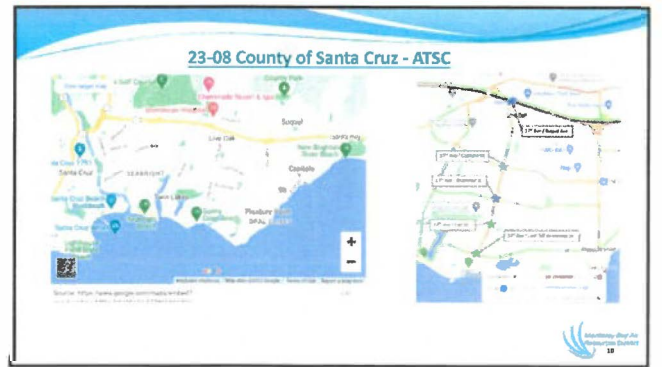
EV Impact

EVs	2017	2018
EVs	2,700	5,400
EVs	1,100	2,200
EVs	1,100	2,200
EVs	21,000	42,000

8



9



10

23-09 City of Capitola – ZEV Street Sweeper

ALL ELECTRIC DRIVE SYSTEM

Only 48 hours to build the prototype was designed as a proof of concept for the project. The system will be used to demonstrate the feasibility of using electric drive systems for street sweepers.

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Questions & Discussion

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Ministry of Transportation
SECT 8 Summary and 8.7.1 Recommendations

Context: 8.7.1.1

Notes:
 This report is a summary of the information provided in the 8.7.1.1 Summary and 8.7.1.1 Recommendations sections of the 8.7.1.1 Summary and 8.7.1.1 Recommendations report. The information in this report is intended to provide a summary of the information provided in the 8.7.1.1 Summary and 8.7.1.1 Recommendations report.

Project EA, years	8.7.1.1	8.7.1.2
8.7.1.1	8.7.1.1	8.7.1.2
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8.7.1.99	8.7.1.99	8.7.1.99
8.7.1.100	8.7.1.100	8.7.1.100

PROJECT NOT RECOMMENDED

LACKS QUANTIFIABLE REDUCTIONS OF OZONE PRECURSORS

- Reactive Organic Compounds (ROG)
- Nitrogen Dioxide (NO₂)
- Particulate Matter (PM₁₀)

Increasing average traffic speed is associated with emissions reductions in ROG and NO_x (up to 36 mph).

PROJECT COMPLETION TIMELINE EXCEEDS TWO (2) YEARS

- January 2027

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