



# MONTEREY BAY AIR RESOURCES DISTRICT ADVISORY COMMITTEE MEETING

JANET BRENNAN, CHAIR

THURSDAY, June 2, 2022 – 1:30 P.M.

(Following the Special Advisory Committee Meeting)

## REMOTE MEETING ONLY

Link to meeting: <https://us02web.zoom.us/j/82188967528>

Webinar ID: 821 8896 7528

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 Committee desires to continue to meet remotely via teleconference after that first meeting, the Committee 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](mailto: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 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](mailto:sirie@mbard.org) by 5:00 p.m. on Tuesday, May 31, 2022. Comments received will be distributed to the Committee prior to the meeting.

## Summary of Actions

1. Call to Order – **The meeting was called to order by Chair Brennan at 1:36 p.m.**
2. Roll Call - **Present:** Eric Andresen, Janet Brennan, Sandy Coplin, Zane Hatchett, David Mack, Lacey Raak, Bob Smith, Allen Stroh.  
**Absent:** Matthew McCluney, Scott Storm, Sandy Swint, Caitlyn Turley.
3. Changes to the Agenda  
  
Welcome new Advisory Committee members:
  - Eric Andresen (McShane)
  - Zane Hatchett (Friend)
4. Public Comment Period – **None.**
5. **Accepted** and **Filed** Summary of Actions for the Advisory Committee Meeting of March 3, 2022
6. **Received** a Presentation on Lawn and Garden Equipment Replacement Program  
*Action: Received presentation, provided comments; no action required.*
7. **Received** a Presentation on Wildfire Smoke Clean Air Centers for Vulnerable Populations Incentive Pilot Program  
*Action: Received presentation, provided comments; no action required.*
8. **Received** Monthly Oral Report from Air Pollution Control Officer

**Richard Stedman, APCO, reported on the following:**

### Previous Board Meetings

- March 16, 2022
  - AB 2766 Program Approval
  - Racial Equity Statement
- April 20, 2022
  - Received Presentation on UCSC-MBARD Partnership
  - PARS OPEB and Retirement Trust Account Update
  - APCO Contract Amendment
- May 18, 2022
  - First Public Hearing on FY 2022-23 Budget
  - First Public Hearing on Proposed Fee Changes

## **District Updates**

### **New Recruitments Underway**

- We are currently recruiting for an Air Quality Technician and an Air Quality Inspector I or II.

### **Engineering and Compliance**

- Our Engineering team began reviewing the final rule on our Best Available Retrofit Control Technology (BARCT) implementation schedule. The potential rule under review would apply to lime kilns that operate at the Lhoist Natividad plant. We are collecting and reviewing information about control technologies for lime kilns.
- The California Air Resources Board finalized the Gasoline Service Station Industrywide Risk Assessment Technical Guidance on March 11. This document provides the methodology for our risk review of toxic air contaminants released from gas stations. This review supports the AB2588 Air Toxics Hot Spots program.
- The Title V permit for Monterey One Water is in the final EPA 45-day review period which ends on May 2, 2022. We will be issuing the permit at the end of this review period.
- We are going to acquire a cloud-based software tool that will connect our Accela permit database to Laserfiche. This will enable us to upload documents in Accela and then automatically transfer the document into folders in our repository in Laserfiche. This improves our filing efficiency, eliminates the need to separately file documents in Laserfiche, and ensures documents in Accela are saved to our electronic filing system.
- Engineering issued Monterey One Water's Title V permit on May 3.
- We received six odor complaints in the Marina area during the month of March. One odor complaint was received on April 12<sup>th</sup>. No odor complaints were received in May.

### **Planning and Air Monitoring**

- The Monterey Bay Electric Bicycle Incentive Program, which provides residents with an incentive to purchase Type 1, 2, and 3 eBikes is continuing with 47 approved applications. \$47,000 has been obligated, and \$3,000 is remaining.
- 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 is continuing with about 280 approved applications, 16 of which are low-income. \$388,350 has been obligated, and \$67,650 is remaining, approximately.
- The three San Lorenzo Valley Seasonal Monitoring stations which measure wintertime woodsmoke from fireplaces and wood-burning stoves, have all been replaced with Clarity low-cost sensors. The sensors provide reliable and consistent data, require no maintenance, reduce the footprint at the fire stations where they are installed, and can collect data year-round.
- Our Clarity sensor network is up and running with over 25 PM2.5 sensors deployed at cities across our three-county jurisdiction.
- The San Lorenzo Valley Spare-the-Air Program, which notifies residents of deteriorating meteorological conditions in the SLV which could concentrate wood smoke from fireplaces and wood stoves, is over for the season. 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 runs annually from October through April when conditions for smoke dispersion improve. No Spare-the-Air alerts have been issued this season.

- MBARD has granted approximately \$180K for wood stove change-outs, with most being in the San Lorenzo Valley area. We hope to additional state funding this next year to help with our WSCO program.
- Camp Roberts has conducted their annual burn of the interior gunnery ranges. The purpose of the prescribed burn is to prevent wildfires that can be ignited during live-fire training. About 9,000 acres of grassland were burned at the Monterey County/San Luis Obispo County border. District staff coordinated with SLO county to avoid potential smoke impacts from the burn in San Miguel and Paso Robles.

### **Outreach**

- We held a virtual public workshop on April 12th on our proposed draft budget for FY 22-23.
- In April our newsletter was published online in Spanish and English.
- MBARD participated in [EPA Air Quality Awareness Week](#) (AQAW) Campaign, May 2-6:
  - Daily press releases (7 days)
  - Daily social media posts on Facebook, Twitter, and Instagram, and on the website (7 days)
  - Created [MBARD AQAW Resources webpage](#) – also posted AQAW Resources on Air Quality and Planning, Community Education webpage.
  - Local Call to Action to download revised [20 Ways You Can Clean the Air](#) Checklist
- MBARD pledged as an organization to participate in the 5<sup>th</sup> annual [California Clean Air Day, October 5](#), a project of the Coalition for Clean Air.  
New Electric Bicycle Incentive Program (EBIP) video will rotate 50/50 with the EVIP video on KSBW Digital. EBIP and revised EVIP videos are attached: Electric Vehicle Incentive Program (EVIP) <https://youtu.be/tnfBMHc28iE>, Electric Bicycle Incentive Program (e-BIP) <https://youtu.be/jtEajliSz7o>.

### 9. Future Agenda Items

- **Brennan** - Clean Air Plan presentation(s) by municipalities in MBARD jurisdiction, overview of California Environmental Quality Act (CEQA) review process
- **Stroh** – report on recently installed network of Clarity air quality sensors

### 10. Chairman's Comments – **None.**

### 11. Comments from Committee Members - **None.**

### 12. Order for Adjournment – **The meeting was adjourned at 2:43 p.m.**

*Sirie Thongchua*  
*Executive Assistant*

# Lawn & Garden Equipment Replacement Program

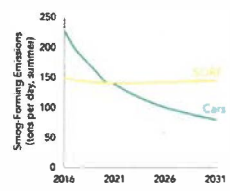
Advisory Board Presentation  
June 4, 2022  
Tyrone Bell, Air Quality Planner I




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## SORE vs. Light-Duty Passenger Cars

- 40-80% cleaner today than pre-1990 emissions.
- Emissions projected to be nearly twice those from passenger cars.





1 hour lawn mower use = driving 300 miles from LA to Vegas  
 1 hour of blower use = driving 1100 miles from LA to Denver



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## Background

- Executive Order N-79-20
  - 100% zero emissions CA by 2035
- Assembly Bill 1346:
  - Phase I – small off-road engines (SORE)
  - Phase II – generators and large pressure washers

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## Funding

### Carl Moyer State Reserves

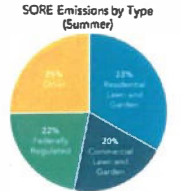
- Statewide: \$24.7 million
- MBARD: \$360,000
  - \$315,000 in Project Funds
  - \$45,000 for Admin



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## Small Off-Road Engines

Spark-ignition engines rated at or below 19 kilowatts (25 hp)



- 15.4 million SORE in California
  - 61% – Residential L&GE
  - 8% – Commercial L&GE
  - 31% – Other equipment types


Commercial L&GE account for 20% of smog-forming emissions from SORE during the Summer.



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## Eligibility

- Carl Moyer Guidelines: Chapter 9
- Commercial grade lawn & garden equipment
- Landscaping operations
  - cities
  - landscapers
  - schools
  - non-profit organizations
  - businesses
  - sole proprietors



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## Commercial L&GE



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## Program Considerations

- Online Application
- Rebate or Voucher
- Verification
- Vendor & Manufacturer Agreements




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## Questions & Discussion



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# Wildfire Smoke Clean Air Centers for Vulnerable Populations – Pilot Program



Irene Miranda Ph.D.  
Planning Department  
June 2, 2022

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## Clean-Air Centers for Wildfire Smoke

- High Smoke Burden within the last five years

August – December 2020

- River Fire
- Carmel Fire
- Dolan Fire




BigSurKate

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## Clean-Air Centers for Wildfire Smoke

- AB836 - \$1,000,000 Administered through CA Air Districts
- Applications now being accepted through June 30, 2022
- No administrative funds (perhaps Breathe California)

Exposure to air pollutants in wildfire smoke can irritate the lungs, cause asthma attacks, alter immune function, and increase susceptibility to respiratory infections, likely including COVID-19.



CDC wildfire smoke webpage


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## Clean-Air Centers for Wildfire Smoke

- High Smoke Burden

August - September 2020

CZU Complex Fire



NASA


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## Clean-Air Centers for Wildfire Smoke

- Centers must be

- Accessible to the public
- In areas of High Smoke Burden\*
- In or near Priority Populations\*

Exposure to air pollutants in wildfire smoke can irritate the lungs, cause asthma attacks, alter immune function, and increase susceptibility to respiratory infections, likely including COVID-19.




CDC wildfire smoke webpage

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## Clean-Air Centers for Wildfire Smoke

- High Smoke Burden

- San Lorenzo Valley
- Santa Cruz
- Hollister
- Salinas
- Carmel Valley
- King City



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## Clean-Air Centers for Wildfire Smoke

- High smoke burden

San Lorenzo Valley  
Santa Cruz  
Hollister  
Salinas  
Carmel Valley  
King City

Region	Days with AQI "Unhealthy"
SLV	14
Santa Cruz	5
Hollister	6
Salinas	5
Carmel Valley	7
King City	6

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## Clean-Air Centers for Wildfire Smoke

- Three types of projects

- Ventilation (HVAC) replacements and upgrades
- High-efficiency air filters (MERV 13 or better)
- Portable air cleaners

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## Clean-Air Centers for Wildfire Smoke

- In or near Vulnerable Populations

CA Climate Investments Priority Populations

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## Clean-Air Centers for Wildfire Smoke

- Three types of projects

- HVAC
  - Replacements
  - Upgrades

Air intake for MBARD's HVAC System

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## Clean-Air Centers for Wildfire Smoke

- In or near Vulnerable Populations

CA Climate Investments Priority Populations

Santa Cruz  
Rio del Mar  
Watsonville\*  
Hollister  
Castroville  
Salinas\*  
Sycamore\*  
Marina\*  
Seaside\*

\*Disadvantaged Land Use

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## Clean-Air Centers for Wildfire Smoke

- Three types of projects

- Air Filters
  - MERV 13 or higher

ASHRAE

Filter Type	MERV Rating	Min. Efficiency	Max. Efficiency
High Efficiency	13-16	90%	95%
Medium Efficiency	11-12	85%	90%
Standard Efficiency	8-10	80%	85%
Basic Efficiency	1-7	70%	75%

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## Clean-Air Centers for Wildfire Smoke


- Three types of projects
  1. Community-based
  2. Public buildings
  3. Portable air cleaners







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## Discussion and Questions....






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## Clean-Air Centers for Wildfire Smoke

- Program Priorities
  - Publicly accessible during wildfire smoke events
  - Geographic equity throughout California
  - Cost – smaller budget projects



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## Clean-Air Center Examples

Schools	Libraries
Community Centers	Existing Emergency Centers?
Senior Centers	Others??
Sports Centers	



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