



Monterey Bay Air Resources District BOARD OF DIRECTORS MEETING

WEDNESDAY, NOVEMBER 20, 2019 – 1:30 P.M.

24580 SILVER CLOUD COURT, 3RD FLOOR, MONTEREY, CA, 93940

Summary of Actions

1. CALL TO ORDER – **The meeting was called to order by Chair McShane at 1:30 p.m.**
2. PLEDGE OF ALLEGIANCE
3. ROLL CALL

Present: Anthony Botelho, Mary Ann Carbone, Zach Friend, Lowell Hurst, Fred Ledesma, Chris Lopez, John Phillips, Steve McShane, Honor Spencer.

Absent: Ryan Coonerty, Jane Parker.
4. PUBLIC COMMENT PERIOD – **None.**
5. REPORTS BY COMMITTEE CHAIRS ON COMMITTEE MEETINGS
 - a. Budget, Personnel, and Nominating Committee
 - b. Advisory Committee
6. COMMENTS AND REFERRALS FROM CHAIR AND BOARD MEMBERS
7. REPORT FROM AIR POLLUTION CONTROL OFFICER

Richard Stedman, APCO, reported on the following:

Engineering

 - Public comment period to review MBARD’s decision to issue a Significant Modification to the Federal Operating Permit (Title V) for Aera Energy ended November 15. No comments received.
 - Monterey County District Attorney’s office settled a case for asbestos violations related to noncompliant construction activities at the Holman building in Pacific Grove. MBARD received \$125,000 in penalties and cost recovery.
 - Kickoff meeting for MBARD’s new database system called Accela was held on Tuesday.
 - District staff will be meeting with the Monterey County Vintners and Growers Association and several winery representatives.

Planning and Air Monitoring

 - The \$290,000 CEC grant final report has been completed and will be published soon.
 - Phase II of the Monterey Bay Electric Vehicle Incentive Program is continuing with 140 applications received, \$115,000 obligated and \$285,000 remaining.
 - Ribbon cutting on December 10 at Live Oak School District in Santa Cruz County for delivery of two all-electric school buses funded through District’s Zero Emission School Bus Program.
 - The District has recently been offered a \$175,000 grant from CARB for the next cycle of the wood stove change-out program.

San Lorenzo Valley

- Staff is continuing to observe weather conditions and air quality in the SLV to forecast when a Spare the Air alert will be declared.
- Awards for annual San Lorenzo Valley Student Art Contest presented November 20 at the SLV School District Board meeting. This year's theme is "Wood Smoke Affects Us All" and is run by the Valley Women's Club and sponsored by Bruce McPherson's office and the District.

National Association of Clean Air Agencies Recognition

- APCO was recognized at the winter NACAA meeting for his service as co-president.

CONSENT AGENDA

Motion: Approve items on the Consent Agenda., **Action:** Approve, **Moved by** Mary Ann Carbone, **Seconded by** Fred Ledesma. Motion passed unanimously by those Board Members present, with John Phillips arriving after the vote was taken.

8. **Accepted and Filed** Summary of Actions for the October 16, 2019 Board of Directors Meeting
9. **Received and Filed** Budget to Actual Report for the Four Months Ended October 31, 2019
10. **Accepted and Filed** a Report of Fiscal Year 2019-20 Clean Air Fund Year-to Date Balance and Disbursements
11. **Accepted and Filed** Report of Summary of Mutual Settlement Program Actions for October 2019
12. **RESOLUTION NO. 19-022: Adopted** a Resolution Authorizing the Air Pollution Control Officer to Apply for Funding, Accept Funding and Administer the Carl Moyer Program Year 22
13. **RESOLUTION NO. 19-023: Adopted** a Resolution Authorizing the Air Pollution Control Officer to Apply for Funding, Accept Funding, and Administer the FY 2019-20 Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program

REGULAR AGENDA

14. **RESOLUTION NO. 19-024: Adopted** a Resolution Approving the 2019 MBARD Carl Moyer Program Policies and Procedures Manual Update
Motion: Adopt the resolution. **Action:** Approve, **Moved by** Zach Friend, **Seconded by** John Phillips. Motion passed unanimously.
15. **Received** a Presentation on Air Quality and Public Safety Power Shutoffs
Received presentation only; no action required or taken.
16. Adjournment – **The meeting was adjourned at 2:31 p.m.**

Ann O'Rourke
Executive Assistant

Carl Moyer Guidelines Update +

BOARD OF DIRECTORS, NOVEMBER 20, 2019
HANNA MUEGGE, AIR QUALITY PLANNER

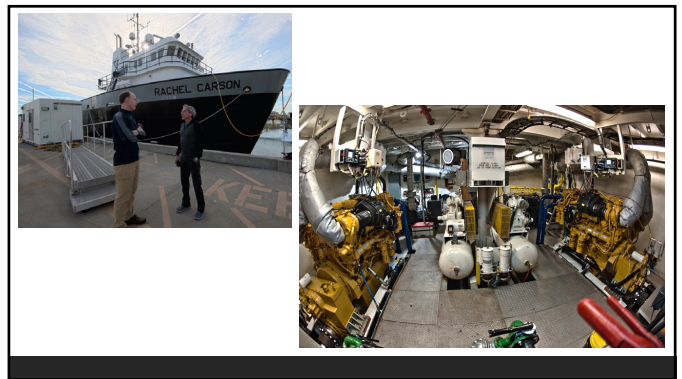
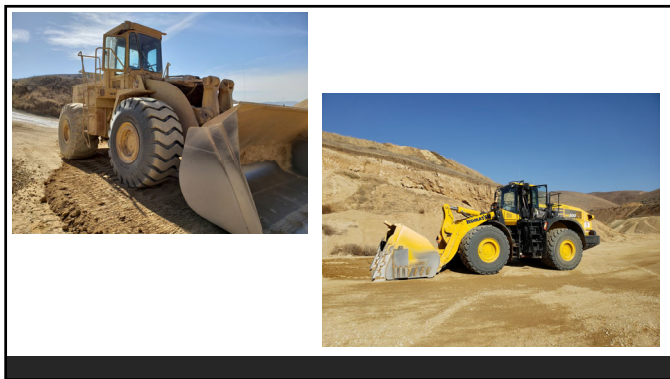
Outline

- Background
- Guideline changes for an Innovative Future
- Additional Funding Sources
- Program Statistics

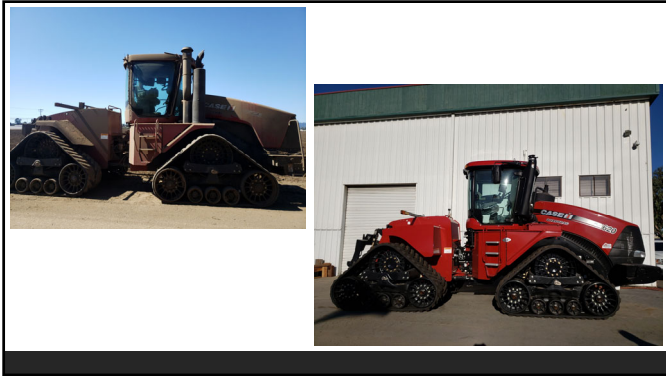

Carl Moyer Program (CMP)

- Established 1998 -- MBARD has participated since 2001
- Cost-Effectively reducing smog-forming and toxic emissions
- Statewide: \$ 1 billion to date, \$ 60 million per year

- ## Carl Moyer Program (CMP)
- Funds cleaner-than-required engines and equipment
 - Emission reductions – NOx, ROG, and PM
 - Program funding sources:
 - Smog Abatement Fee (SB 1107) – \$6 from the DMV per newly registered vehicle
 - Tire Fee (AB 923) – \$0.75 per tire, received from the Board of Equalization
 - AB 923 (Match Funds) additional surcharge of \$2 to pay for specific clean air incentives












AGENDA ITEM NO. 9

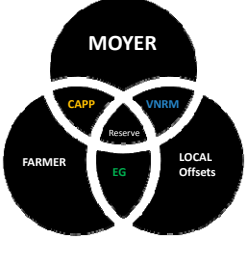
Guideline Updates

Project Types

2011 & 2017 GUIDELINES			2019 GUIDELINES <u>ELECTRIFIED</u>		
					
Marine Vessels	Zero-emission Ag Pumps	Off-Road Equipment	Zero-emission Marine Projects	Zero-emission Ag Pumps	Zero-emission Off-Road
					
			Zero-emission School buses	Infrastructure	Zero-emission On-Road

Other Noteworthy Changes

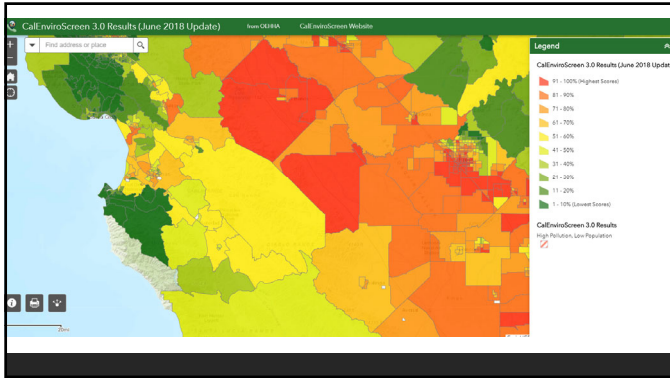
- Clearly defined prioritization:
 - Disadvantaged Community (DAC)
 - Low-income Area (LI)
 - Zero-emission project
 - Annual emissions reduced (tons / year)
- Ability to deny applications
- New destruction requirement – Verified Salvage Yard
- Program will be open to On-Road Projects



CMP & Other Funding Sources

- Ability to co-fund Moyer Projects with other public funds
- Must meet the requirements of each funding source
- FARMER & CAPP – Cap & Trade dollars

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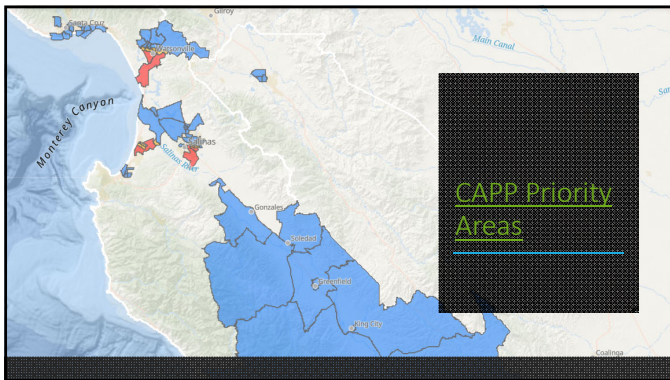
Priority Areas

DISADVANTAGED COMMUNITIES (DACs)

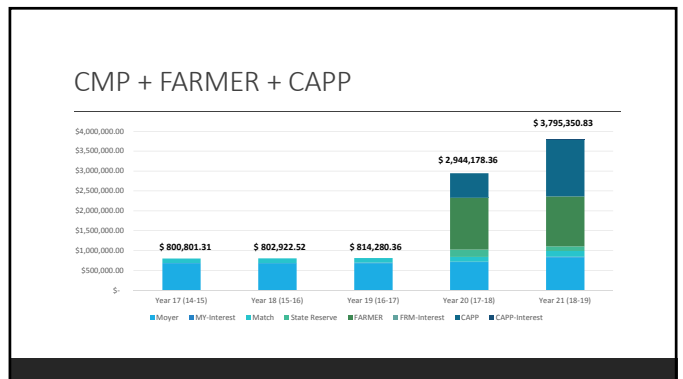
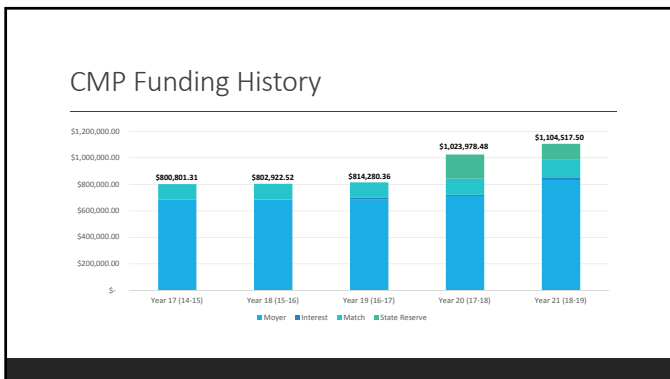
- Top 25 % most impacted census tracts in the CalEnviroScreen 3.0

LOW-INCOME AREAS (LIAs)

- Census tracts & households
 - At or below 80% of the statewide median income
 - At or below the threshold designated as low-income by the CA Dept. of Housing and Community Development 2016 State Income Limits

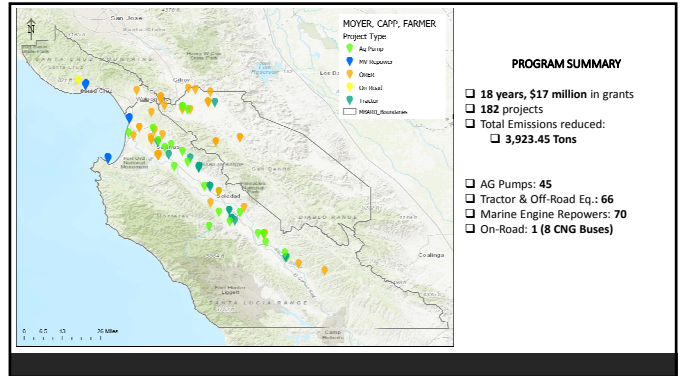


Program Performance & Statistics



CMP + FARMER + CAPP

Funding Source	Fiscal Year		Year		
	2014-15	2015-16	2016-17	2017-18	2018-19
Moyer	\$ 684,044.00	\$ 683,863.00	\$ 684,218.00	\$ 711,861.00	\$ 832,777.00
MY-Interest	\$ 2,750.31	\$ 1,825.52	\$ 12,767.36	\$ 8,151.48	\$ 13,988.77
Match	\$ 114,007.00	\$ 117,234.00	\$ 117,295.00	\$ 122,033.00	\$ 142,762.00
State Reserve				\$ 181,933.00	\$ 114,989.73
FARMER				\$ 1,298,200.00	\$ 1,253,735.00
FM-Interest				\$ 7,936.88	
CAPP				\$ 614,063.00	\$ 1,433,304.25
CAPP-Interest				\$	\$ 3,794.08
TOTAL FUNDING:	\$ 800,801.31	\$ 802,922.52	\$ 814,280.36	\$ 2,944,178.36	\$ 3,795,350.83

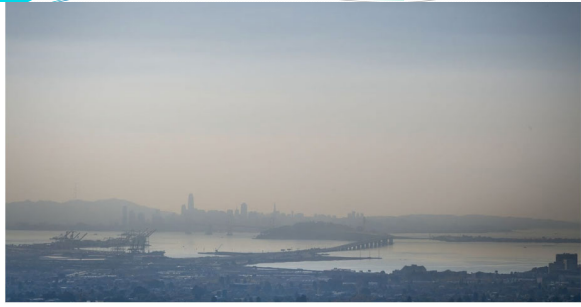


Questions?


Hanna Muegge
hmuegge@mbard.org

Air Quality and Public Safety Power Shutoffs

Amy Clymo, Engineering and Compliance Manager
November 20, 2019

A smoky haze obscures the San Francisco and Oakland skylines. Smoke from Northern California wildfires drifted across the San Francisco Bay Area, prompting an air quality advisory. (David Paul Morris/Bloomberg)



Thomas Fire – December 2017




Thomas Fire – December 2017





Public Safety Power Shutoff

For public safety, it may be necessary for us to turn off electricity when gusty winds and dry conditions, combined with a heightened fire risk, are forecasted. This is called a “Public Safety Power Shutoff” or “PSPS.”


While customers in high fire-threat areas are more likely to be affected, any of PG&E’s more than 5 million electric customers could have their power shut off. This is because the energy system relies on power lines working together to provide electricity across cities, counties and regions.

Source: https://www.pge.com/en_US/safety/emergency_preparedness/natural_disaster/wildfire/public_safety_power_shutoff_faqs.page




PSPS Becomes Reality

- First PSPS October 9
- Rush to find backup power




Generators

- Portable Equipment Registration Program
 - Statewide program
 - Limited inventory of registered engines
 - Allows for the use of unregistered/unpermitted engines during emergency events
- California Air Resources Board guidance
 - PSPS is considered an emergency event



Emergency Event

“Emergency Event” means any situation arising from sudden and reasonably unforeseen natural disaster such as earthquake, flood, fire, **or other unforeseen events** beyond the control of the portable engine or equipment unit operator, its officers, employees, and contractors that threatens public health and safety and **that requires the immediate temporary operation of portable engines or equipment units to help alleviate the threat to public health and safety.**





Shopkeepers Sodhi Singh, left, and Navreet Singh prepare to close their gas station and convenience store after the lights went out in Healdsburg, Calif., on Oct. 26, ahead of an expected high wind event in the vicinity of the Kincadee fire. (Luis Sinco / For The Times)



Air Quality Impacts

- Sources lose power
 - Landfill
 - Gas stations
 - Wineries
- Businesses lose power - restaurants
- Increased demand for backup power
- Influx of out of state engines
- Increase in emissions from engine use
- Air monitors stop working



Cellphone Outages


“Generators may be deployed in a limited manner to address Comcast outages in vital public safety facilities,” the statement said. There may be situations when a home’s power is on, but the part of the network that provides a connection to the home has no power, and as a result, communication services are unavailable.

A statement provided by T-Mobile spokesman Joel Rushing said the company deployed and refueled generators to more than 260 sites. Permanent generators are in place at key cell sites, while others are prepared with a battery backup; the company also has a fleet of temporary generators that can be deployed as needed.

AT&T spokesman Ryan Oliver said that before the Kincadee fire, the company deployed hundreds of additional generators and technicians from across the country, and had crews working 24 hours a day to refuel and deploy generators as needed.

State Sen. Mike McGuire (D-Healdsburg) has already introduced legislation, SB 431, that would mandate backup power systems lasting at least 48 hours for wireless towers in the state’s highest fire risk areas.

http://www.senate.ca.gov/legislation/bills_2019/2019-11-06/press-releases-outages-during-blackout-and-fire-are-4-gpu-wireless-towers-often-a-critical-connection




When the power went out during California’s wildfires, the air quality monitors turned off, too

The 2019 wildfires have laid bare the drawbacks to an air quality monitoring system designed more for measuring large swaths of land over time than for providing real-time, localized data that is more valuable in disasters like wildfires.


Site	Site Name	Ozone AQI	PM _{2.5} AQI	PM ₁₀ AQI
	Boulder Creek	N/A	N/A	N/A
	Carmel Valley AMS	N/A	N/A	N/A
	Felton Cal-Fire	N/A	N/A	N/A
	Hollister AMS	N/A	N/A	N/A
	King City AMS	N/A	N/A	N/A
	Pinnacles N/A	N/A	N/A	N/A
	SLV Middle School AMS	N/A	N/A	N/A
	Salinas AMS	N/A	N/A	N/A
	Santa Cruz AMS	N/A	N/A	N/A
	Zayante Fire Station	N/A	N/A	N/A

“Traditionally, we’ve looked at regional air quality and that’s how we’ve set up our networks,” said Catherine Dunwoody, chief of the monitoring and laboratory division for the Air Resources Board. “With technology advancements, we can get better real-time measurements,” she said. “People really want to know, ‘What am I breathing right now?’”




Governor Newsom Declares Statewide Emergency Due to Fires, Extreme Weather Conditions
Published: Oct 27, 2019

The Air Resources Board shall exercise maximum discretion and streamline permitting with regard to importing generators into California and use of generators within the state.




PSPS Funding in the 2019 Budget Act: \$75 Million One-Time Funds

- Securing equipment, such as generators and/or generator connections
- Fuel storage or other backup energy sources for essential facilities, such as fire stations, community centers, health facilities and other facilities that are critical to communities' function during energy interruptions
- Backup emergency communications equipment



MBARD Approach

- Working with stationary sources needing temporary backup power during PSPS (short-term)
- Long-term stationary sources will need a permit for backup generators rated at > 50hp
- Anticipate increase in emergency engine permit applications
- Support CARB's efforts to communicate alternative backup power options



Questions?

