



# Monterey Bay Air Resources District BOARD OF DIRECTORS MEETING

WEDNESDAY, NOVEMBER 18, 2020 – 1:30 P.M.

## REMOTE MEETING ONLY

*On March 12, 2020, Governor Newsom issued Executive Order N-29-20, which enhances State and Local Governments' ability to respond to COVID-19 Pandemic based on Guidance for Gatherings issued by the California Department of Public Health. The Executive Order specifically allows local legislative bodies to hold meetings via teleconference and to make meetings accessible electronically, in order to protect public health. In light of this, the November 18, 2020 meeting of the MBARD Board of Directors was held via Zoom webinar.*

## Summary of Actions

1. CALL TO ORDER – **The meeting was called to order by Chair McShane at 1:30 pm.**
2. PLEDGE OF ALLEGIANCE
3. **Present:** Anthony Botelho, Chris Lopez, Fred Ledesma, Jack Dilles, Jane Parker, John Phillips, Mary Ann Carbone, Ryan Coonerty, Steve McShane, Zach Friend. **Absent:** Honor Spencer.
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
    - District is working with CARB on new Criteria and Toxics Reporting Regulation. This regulation will capture a lot more businesses and require them to report emissions at lower levels. It will be a cost to business as well as the district. We have cautioned CARB to use a more conservative approach using more outreach and a slower pace for implementation.
  - Planning and Air Monitoring
    - Monterey Bay Electric Vehicle Incentive Program has received 134 applications, 5 of them are low income. \$238,600 is obligated and \$211,750, or 47%, is remaining.

- This year's Woodstove Change Out Program is continuing. The program offers up to \$1,500 to replace a non-EPA certified woodstove or open hearth fireplace with a new natural gas, propane, pellet, EPA certified woodstove or insert or an electric heater or ductless mini-split heat pump. Low income applicants can receive an additional \$2,000 incentive. The program is only available to low income applicants and to residents in low income areas and disadvantaged communities. The program opens up to all residents in the District on December 7<sup>th</sup>.
- Staff have been issuing Diesel Engine and Equipment Replacement grant agreements, which includes the Carl Moyer, Community Air Protection, NOx Remediation, and FARMER programs. These grant programs offer incentives to replace old, dirty off-road equipment, such as tractors, with new, cleaner burning equipment. Tractors have been delivered recently to Mark Pura Ranch, Steinbeck Country Produce, JV Farms, Stratus Leasing and 3 Generaciones, LLC. Awards are based on the highest annual emission reduction and a project's proximity to disadvantaged communities and low-income areas.
- The San Lorenzo Valley seasonal monitoring network is being installed this week to measure elevated wintertime concentrations of wood smoke from fireplaces and chimneys.
- Spare the Air program was launched last week in San Lorenzo Valley. When a Spare the Air alert has been declared, residents of the SLV are asked to voluntarily use a source other than wood to heat their homes. The program runs from late Fall through the Winter.

Outreach

- Great, above the fold, article on wood stoves in the Herald this week.

**CONSENT AGENDA**

**Motion:** Approve items on Consent Agenda. **Action:** Approve.

**Moved by** Anthony Botelho, **Seconded by** Jane Parker.

**Vote:** Motion carried by unanimous roll call vote (**summary:** Yes = 10).

**Yes:** Anthony Botelho, Chris Lopez, Fred Ledesma, Jack Dilles, Jane Parker, John Phillips, Mary Ann Carbone, Ryan Coonerty, Steve McShane, Zach Friend.

8. **Accepted and Filed** Summary of Actions for the October 21, 2020 Board of Directors Meeting

9. **Received and Filed** Budget to Actual Report for Four Months Ended October 31, 2020

10. **Accepted and Filed** Report of Summary of Mutual Settlement Program Actions for October 2020

**REGULAR AGENDA**

11. **RESOLUTION NO. 20-018: Received** a Report Evaluating a Best Available Retrofit Control Technology (BARCT) Rule for Internal Combustion (IC) Engines and **Adopted** a Resolution Which Requires No Further Action to Implement a BARCT Rule for IC Engines.

**Motion:** Adopt the resolution. **Action:** Approve

**Moved by** Anthony Botelho, **Seconded by** John Phillips.

**Vote:** Motion carried by unanimous roll call vote (**summary:** Yes = 10).

**Yes:** Anthony Botelho, Chris Lopez, Fred Ledesma, Jack Dilles, Jane Parker, John Phillips, Mary Ann Carbone, Ryan Coonerty, Steve McShane, Zach Friend.

<b>CLOSED SESSION</b>
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12. The Board **met** in Closed Session pursuant to Government Code section 54950, relating to the following:
  - a. Pursuant to Government Code section 54957.6, the Board will provide direction to negotiators. Designated representatives: Richard Stedman, APCO, Rosa Rosales, District Administrative Services Manager, and Lynn Kievlan, District Admin & Fiscal Specialist  
Employee Organization: SEIU Local 521. – **No reportable action.**
  
13. Adjournment – **The meeting was adjourned at 2:00 pm.**

*Ann O'Rourke*  
*Executive Assistant*

# BARCT Rule for Internal Combustion Engines

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SEONG KIM  
AIR QUALITY ENGINEER II  
NOVEMBER 18, 2020




## BARCT IMPLEMENTATION SCHEDULE

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Rule Development Sources	2019	2020	2021	2022	2023
Steam Generators/ Boilers/Process Heaters					
Internal Combustion Engines					
Steam Driven Oil Production Wells (revise Rule 427)					
Lime Kiln					


Schedule approved by the Board of Directors on November 14, 2018.



### Outline

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- Background Information
- Rule Schedule
- BARCT and BACT Definition
- Recommendation



### BARCT DEFINITION

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Emission limitation that is based on the maximum degree of reduction achievable, taking into account environmental, energy, and economic impacts by each class or category of source.  
(Health and Safety Code Section 40406)




### Background

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\*AB617 added language to the Health & Safety Code which requires an air district that is nonattainment for one or more criteria pollutants to adopt an expedited rule development schedule that implements Best Available Retrofit Control Technology (BARCT).

\*BARCT requirements only apply to industrial sources subject to the State Cap & Trade program as of January 1, 2017.


- There are four industrial sources located in Monterey County.



### BACT DEFINITION

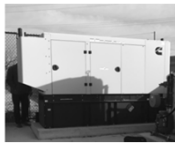
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Means an emission limitation that will achieve the lowest achievable emission rate for the source to which it is applied.  
(Health and Safety Code Section 40405)



## Internal Combustion Engines

Stationary - designed to stay in one location or remains in one location



Portable - designed and capable of being carried or moved from one location to another



## Average Engine Emissions (2017-2019)

Engine Description	NO <sub>x</sub> (tons/yr)	VOC (tons/yr)
Emergency IC Engine #1 (Tier 3)	0.35	0.03
Emergency IC Engine #2 (Tier 0)	0.01	0.003
Portable IC Engine-Pump (Tier 3)	0.17	0.11
Portable Abrasive Blasting With IC Engine	0	0
Portable IC Engine-Workover Rig #1	0	0
Portable IC Engine-Workover Rig #2	0	0
Portable IC Engine-Workover Rig #3	0	0
Portable IC Engine (Tier 3 or higher)	0	0
<b>3-Year Average</b>	<b>0.53</b>	<b>0.13</b>



## Engine Requirements

- Portable diesel engines subject to state regulation and phase-out schedule
- Stationary engines subject to New Source Review Rule 207
  - Best available control technology
  - Offsets
- Stationary diesel engines subject to Toxics Rule 1010
  - Engine tier requirements based on use; emergency or prime
- Subject to the Air Toxics "Hot Spots" Information and Assessment Act (AB2588)
  - Identify facilities having localized impacts, ascertain health risks, notify nearby residents of significant risks, and reduce those significant risks to acceptable levels.



## Conclusions

- The majority of the permitted engines at the subject industrial sources are portable engines subject to phase-out by state law.
- A new rule would only apply to one stationary emergency engine which already meets the Best Available Control Technology (BACT) permitting requirement for NO<sub>x</sub> and did not trigger BACT for VOC when permitted.
- The California Air Resources Board is proposing to re-designate MBARD to attainment for the state 8-hour ozone standard based on monitoring data for years when the engines operated.
  - Emission reductions from these engines are not needed to attain or maintain the 8-hour ozone standard.



## Permitted Engines

- Eight diesel engines at the four applicable industrial sources
  - Two stationary emergency engines
    - One meets existing Tier 3 requirements
    - One has an application in to update engine to Tier 3 and portable use
  - Six portable engines



## Recommendation

Adopt a Resolution which requires no further action to implement a BARCT Rule for IC Engines.



