



MONTEREY BAY AIR RESOURCES DISTRICT ADVISORY COMMITTEE MEETING

JANET BRENNAN, CHAIR

THURSDAY, February 3, 2022 – 1:30 P.M.

(Following the Special Advisory Committee Meeting)

REMOTE MEETING ONLY

Link to meeting: <https://us02web.zoom.us/j/81533794421>

Webinar ID: 815 3379 4421

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.

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 by 5:00 p.m. on Tuesday, February 1, 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 at 1:38 p.m. by Chair Brennan.**
2. Roll Call - **Present:** Allen Stroh, Bob Smith, Caitlyn Turley, David Mack, Janet Brennan, Matthew McCluney, Sandy Coplin, Sandy Swint, Spencer Critchley.
Absent: Scott Storm. **Excused:** Lacey Raak.
Left Meeting Early: Spencer Critchley, Sandy Swint.
3. Nominations and Elections of 2022 Committee Chair and Vice Chair
 - a. **Janet Brennan, Chair**
***Motion:** Nominate Janet Brennan as Committee Chair. **Action:** Approve.
Moved by Sandy Coplin, **Seconded by** Allen Stroh.
Vote: Motion carried by unanimous roll call vote (**summary:** Yes = 9).
Yes: Allen Stroh, Bob Smith, Caitlyn Turley, David Mack, Janet Brennan, Matthew McCluney, Sandy Coplin, Sandy Swint, Spencer Critchley.
Absent: Scott Storm. **Excused:** Lacey Raak.*
 - b. **Allen Stroh, Vice Chair**
***Motion:** Nominate Allen Stroh as Committee Vice Chair. **Action:** Approve.
Moved by Sandy Coplin, **Seconded by** Bob Smith.
Vote: Motion carried by unanimous roll call vote (**summary:** Yes = 9).
Yes: Allen Stroh, Bob Smith, Caitlyn Turley, David Mack, Janet Brennan, Matthew McCluney, Sandy Coplin, Sandy Swint, Spencer Critchley.*
4. Changes to the Agenda – **None.**
5. Public Comment Period – **None.**
6. **Accepted and Filed** Summary of Actions for the Advisory Committee Meeting of November 4, 2021
7. **Received** a Presentation from Heather Adamson, Director of Planning, Association of Monterey Bay Area Governments
8. **Received** a Presentation and Report on Daily Eight-Hour Peak Ozone Concentrations, Hourly Peak Ozone Concentrations, and Daily PM_{2.5} and PM₁₀ Air Monitoring Data for 2021

9. **Received** a Presentation on Electric Bicycle Incentive Program and Electric Vehicle Incentive Program Low-Income Criteria and **Provided** Comments and a Recommendation to the Board

Motion: Recommend to Board opening the Electric Bicycle Incentive Program up to purchases from bike shops outside of the District.

Action: Approve. **Moved by** Allen Stroh, **Seconded by** Bob Smith. **Vote:** Motion carried by unanimous roll call vote (**summary:** Yes = 7).

Yes: Allen Stroh, Bob Smith, Caitlyn Turley, David Mack, Janet Brennan, Matthew McCluney, Sandy Coplin.

Absent: Scott Storm. **Excused:** Lacey Raak. **Left Meeting Early:** Sandy Swint, Spencer Critchley.

10. **Received** Presentation on Calendar Year 2021 Engineering and Compliance Activities

11. **Received** Report and **Provided** Comments on Evaluation of Best Available Retrofit Control Technology (BARCT) – Potential Revisions to Rule 427 Steam Driven Crude Oil Production Wells or Creation of a New Rule

12. **Received** Monthly Oral Report from Air Pollution Control Officer **Richard Stedman, APCO, reported on the following:**

District Updates

Staff Changes

- New Engineer, Fernando Pena
- New Air Monitoring Specialist, Eddie Ballaron
- New Air Quality Planner, Tyrone Bell
- Alan Romero, retired
- Hanna Muegge, Air Quality Planner, new job at BAAQMD
- Leif Halvorson, Inspector, new job at BAAQMD

Engineering

- Our asbestos team has successfully worked with the Santa Cruz County DA on two enforcement cases. For one case, we received \$15,000 in penalties and for the other case we will receive \$20,000 in penalties and \$5,000 in cost recovery.
- The asbestos abatement project at the Moss Landing Power Plant started and is expected to take several months which will be followed by demolition of the structures/components next to the two large stacks.
- We received 7 odor complaints from Watsonville residents located in the vicinity of Lakeview Road and Highway 152. There are several seasonal lakes in the area and our Inspector Hartunian has been in contact with Santa Cruz County Environmental Health. It is believed the odors were from College Lake which is a naturally occurring lake. The rain in October added water to the lake and then it evaporated with the

warm weather in November. This created stagnant water which is believed to be the source of the odors.

- We received notice from Chevron USA to cancel their permits for the Sargent Canyon Cogeneration facility located in San Ardo. The facility shutdown operations in December 2016 and the equipment will now be removed from the site.
- Marina Odor Complaints – We have had a significant increase in odor complaints in the Marina area due to poor meteorological conditions. In addition, the compost operations adjacent to the landfill have started back up.

Planning and Air Monitoring

- The E-Bike Incentive program is now open. There seems to be a lot of interest, but we have not been overwhelmed with applications.
- 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 141 applications received, \$200K obligated, and \$250K remaining.
- The 2021-22 Wood Stove Change Out Program launched on September 28. \$87,500 in local funds has been budgeted for this year's program. The program has now exhausted the funding and we are in the process of overseeing installations of the replacement stoves. About 60 stoves were funded and we have a waiting list 17 deep.
- The San Lorenzo Valley Spare-the-Air Program began in November. The STA Program notifies residents of deteriorating meteorological conditions in the SLV which could concentrate wood smoke. During a Spare the Air Alert, residents are asked to voluntarily choose devices that use fuels other than wood to heat their homes. The program will run through Spring when conditions for smoke dispersion improve.

13. Future Agenda Items

- Review Woodstove Change Out Program (Mack)

14. Chairman's Comments

- **Brennan** - commented on the February 3 Special and Regular committee meetings

15. Comments from Committee Members

- **Mack** – commented on the Woodstove Change Out Program

16. Order for Adjournment – **The meeting was adjourned at 3:48 p.m.**

Sirie Thongchua
Executive Assistant



Draft 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy

February 3, 2022

1

Overview

- Background
- Development of the 2045 MTP/SCS
- Policy goals
- Basis for MTP/SCS
- Project lists
- Next steps



2

What is AMBAG?

- Established in 1968
- Metropolitan Planning Organization
- AMBAG provides a wide range of services to member agencies
- Three counties and 18 cities
- Regional collaboration and coordination on a number of issues: economic, ecological, sustainability, transportation, etc.

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What does the MTP/SCS do?

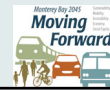
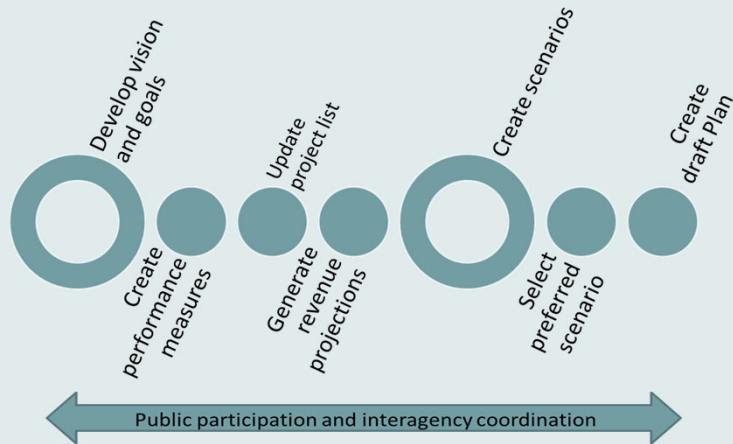
- Long range vision for our transportation system
- Determines how transportation dollars are spent in the tri-county area
- SCS demonstrates how the region can achieve GHG reduction targets determined by California Air Resources Board

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How is the MTP/SCS Developed?



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2045 MTP/SCS Policy Goals

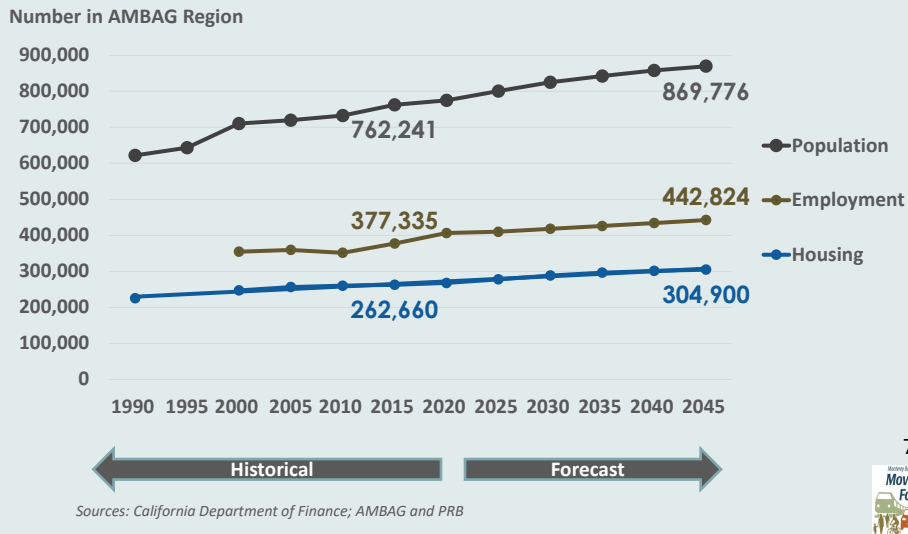


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AMBAG Region: Population, Employment, Housing



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Basis for MTP/SCS



- Land use pattern
 - Population, jobs and housing
- Transportation improvements
 - Transit services and programs
 - Active transportation projects
 - Roadway improvements
 - Other transportation related strategies such as electric vehicles, telecommuting etc.



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Draft 2045 MTP/SCS

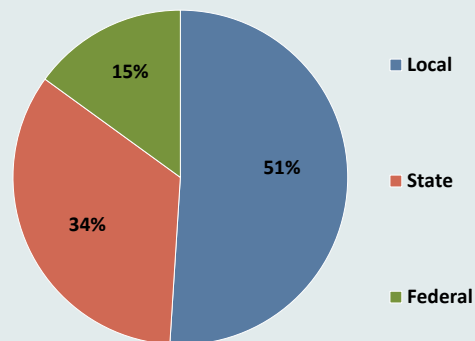
- Includes \$13.3 billion in transportation improvements, programs and services
- Meets CARB's GHG reduction targets
 - -3% and -6% per capita for 2020 and 2035, respectively
- Implementation strategies
 - Economic development, land use & housing, legislative, environment, technical assistance/education and transportation



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Financial Assumptions

- Local, state and federal funding reasonably available
- \$13.3 billion
 - \$6.7 billion (MC)
 - \$1.6 billion (SB)
 - \$5.0 billion (SC)



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Transportation Projects

- Developed with local and regional transportation partners
- Mix of multimodal and regional/local projects
 - Active transportation
 - Maintenance & rehab projects
 - Transit projects
 - Roadway projects



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Major Transportation Investments

By 2045, there will be

\$3.5 Billion

in highway investments



Highways

- US 101 corridor
- SR 68 and SR 156 West improvements
- SR 25 improvements
- SR 156 widening
- SR 1 Bus on Shoulder lanes (Santa Cruz)

Local streets/roads will receive

\$4 Billion

in investments by 2045

By 2045 there will be

60 Miles

of trails along the coast



By the year 2045,

30%

will live within

1/2 mile

of high quality transit

Transit Investments

- Capitol Corridor Extension to Salinas
- Marina – Salinas Multimodal Corridor
- Surf/ Busway/ BRT & Salinas BRT Projects
- Monterey South County express bus transit enhancements
- Hollister to Salinas & Watsonville
- Bus on SR 1 Shoulder Project



Active transportation (walking and bicycling) will receive

\$1.2 Billion

in investments by 2045

Transit will receive

\$4 Billion

in investments by 2045



60%
of funds for maintenance and operations



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12

Project Highlights in Monterey County

- Highway 101
- FORTAG
- Rail extension
- Local roads
- Bike and pedestrian facilities
- Transit



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Project Highlights in Santa Cruz County

- SR 1 Bus on Shoulder project
- Bicycle and pedestrian facilities
- Improvements to local roads
- Transit investments
- Operations and maintenance



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Project Highlights in San Benito County

- SR 25
- Local streets and roads
- Bicycle and pedestrian facilities
- Transit



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Next Steps

- Public comment period on the Draft 2045 MTP/SCS closed on January 31, 2022
- Respond to comments and make changes for the Final 2045 MTP/SCS
- Adoption scheduled for June 2022



16

Questions


Heather Adamson, AICP
Director of Planning
AMBAG
hadamson@ambag.org

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Electric Vehicle Incentive Programs Low-Income Criteria for Applicants

David Frisbey, Planning and Air Monitoring Manager
February 3, 2022
Advisory Committee Meeting



1

Electric Vehicle/Bicycle Incentive Programs

Light-Duty Vehicle Incentive

- All Electric \$1,500
- Used Electric \$1,000
- Plug-In Hybrid \$ 750
- Used PHEV \$ 500

Electric Bicycle Incentive


- Low-Income qualified only \$1,000
- E-bicycle price bracket \$1,000 - \$4,000
- Purchase from local bike shops only



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Current EBIP/EVIP Status

- EBIP – 4 applications since program opened in September 2021
- EVIP – 8 applications out of 143 total since program opened July 1, 2021
- Advertised in newspapers, online, website, social media, visited all bike shops, outreach event



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Incentives for Low-Income

Electric Vehicle Incentive Program


- Low-income applicants receive double the incentive amounts

Electric Bicycle Incentive Program

- Available to low-income applicants only

Income Verified by Central Coast Energy Services


- Avoids issues with reviewing/storing personal records
- Already verify incomes for existing program
- Free to District
- Currently using the LIHEAP Eligibility, brings in more applicants for services
- Added step/complication for applicants



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Low Income Home Energy Assistance Program (LIHEAP)


Household	Limit Per Month	Limit Per Year
1 person	\$2,564.73	\$30,777
2 persons	\$3,353.87	\$40,264
3 persons	\$4,143.02	\$49,716
4 persons	\$4,932.17	\$59,186
5 persons	\$5,721.31	\$68,668
6 persons	\$6,510.46	\$78,126
7 persons	\$6,658.43	\$79,900
8 persons	\$6,806.39	\$81,677
9 persons	\$6,954.36	\$83,452
10 persons	\$7,102.32	\$85,228



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Other Available LI Programs

- US Dept. of Housing and Urban Development
- Emergency Rental Assistance Program (Monterey County and The United Way)
- California Alternate Rates for Energy Program (CARE)
- Family Electric Rate Assistance Program (FERA)
- Special Supplemental Nutrition Program for Women, Infants, and Children (WIC)
- Cal Fresh/SNAP (Food Stamps)
- CalWorks (TANF)
- Medi-Cal
- Clean Vehicle Rebate Project income-qualified incentive (CVRP)
- And More...!



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U.S. Dept of Housing and Urban Development

- Eligibility for assisted housing programs (Section 8)
- Median Family Income estimates and Fair Market Rent

Monterey County

Household	1 Person	2 People	3 People	4 People	5 People	6 People
80% AMI	\$36,990	\$45,880	\$73,450	\$81,190	\$87,990	\$94,400
50% AMI	\$23,600	\$29,700	\$45,800	\$50,850	\$54,950	\$59,000

San Benito County

Household	1 Person	2 People	3 People	4 People	5 People	6 People
80% AMI	\$54,290	\$67,970	\$77,900	\$78,000	\$84,250	\$97,600
50% AMI	\$34,400	\$39,050	\$43,930	\$48,800	\$51,250	\$56,650

Santa Cruz County

Household	1 Person	2 People	3 People	4 People	5 People	6 People
80% AMI	\$26,650	\$33,400	\$40,350	\$44,600	\$47,450	\$50,900
50% AMI	\$18,650	\$23,600	\$28,550	\$30,900	\$32,400	\$34,650

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Emergency Rental Assistance Program (Monterey County and The United Way)

- Tenants living within the County of Monterey, regardless of immigration status
- Tenants may have formal or informal lease arrangements
- At or below 80% Area Median Income of Monterey County
- *Program will prioritize funding for very low-income tenants (at or below 50% AMI), as well as those who are at immediate risk of homelessness or have rental arrears

Household	1 Person	2 People	3 People	4 People	5 People	6 People
80% AMI	\$36,990	\$45,800	\$73,450	\$81,190	\$87,990	\$94,400
50% AMI	\$23,600	\$29,700	\$45,800	\$50,850	\$54,950	\$59,000

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Medi-Cal

138% of Federal Poverty Level is eligible

Program Eligibility by Federal Poverty Level for 2022

Your financial help and whether you qualify for various Central California Medi-Cal programs depends on your income, based on the federal Poverty Level (PL).

Income	1 Person	2 People	3 People	4 People	5 People	6 People	7 People	8 People	9 People	10 People
100%	\$14,880	\$19,740	\$24,600	\$29,460	\$34,320	\$39,180	\$44,040	\$48,900	\$53,760	\$58,620
138%	\$20,534	\$27,030	\$33,526	\$39,922	\$46,418	\$52,914	\$59,410	\$65,906	\$72,402	\$78,898

9

California Alternate Rates for Energy Program (CARE)

- Determined by last 12 months of income.
- 20% discount on gas and electricity.
- May qualify if eligible for other public assistance programs:

Household	Limit Per Month
1-2 persons	\$14,850 or less
3 persons	\$18,920 or less
4 persons	\$23,000 or less
5 persons	\$27,080 or less
6 persons	\$31,160 or less
7 persons	\$35,240 or less
8 persons	\$39,320 or less
9 persons	\$43,400 or less
Each additional person	add \$4,080

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Central Coast Community Energy Incentive Programs Income Eligibility

- Active enrollment in the CARE or FERA programs (verified by CCCE)
- Clean Vehicle Rebate Project income-qualified incentive (CVRP)
- Clean Vehicle Assistance Program (CVAP)
- Low Income Home Energy Assistance Program (LIHEAP)
- Energy Savings Assistance Program (ESA)
- Residency in Affordable Housing, Public Housing, or Housing Choice Vouchers (Section 8)
- Bureau of Indian Affairs General Assistance Head Start Income Eligible (Tribal Only)
- CalFresh/SNAP (Food Stamps)
- Women, Infants, and Children (WIC)
- CalWORKs (TANF) or Tribal TANF
- Supplemental Security Income (SSI)
- Free or Reduced National School Lunch Program
- Applicant directly contacts CCCE staff to verify via another method
- 400% of Federal Poverty Level

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Options for Low-Income Eligibility

EVIP and EBIP

- Accept any of the above Federal, State, local, or other similar low-income program
- Or limit to specific low-income programs based on median income
 - e.g. 80% of area median income (AMI)
- Require proof of active enrollment – letter or certificate instead of relying on CCES

EBIP

- Open program to all income levels

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Annual 2021 Engineering and Compliance Activity Data

AMY CLYMO
ENGINEERING AND COMPLIANCE MANAGER
FEBRUARY 9, 2022



1

Outline

- Description of Engineering and Compliance
- Activity Data

2

Engineering

- Evaluate permit applications for compliance with federal, state, and local rules and regulations
- Issue permits with operating conditions
- Develop rules and regulations
- Report annual stationary source emission inventory



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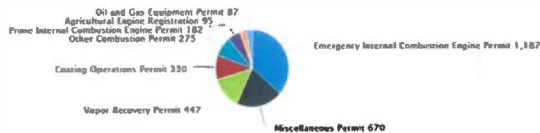
Engineering Data

Activity	Calendar Year 2021
Permit Applications Received	322
Startup Inspections	110
Authorities to Construct Issued	199
Permits to Operate Issued	302
Agricultural Diesel Engine Registrations	1
Title V Permits Issued	4
Emission Reduction Credits Issued	1



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Permitted Units



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Compliance

- Conduct inspections of permitted sources
- Ensure compliance with permit conditions
- Take enforcement action for violations
- Ensure compliance with the federal asbestos regulation
- Respond to complaints



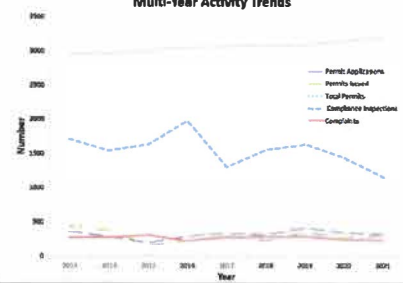
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Compliance Data

Activity	Calendar Year 2021
Compliance Inspections	1,172
Notices to Comply	128
Notices of Violation	50
Asbestos Notifications	296
Asbestos Inspections	191
Complaints Received	230
Breakdowns Received	23
Source Tests Observed	18
Variance Orders Issued	2

7

Multi-Year Activity Trends



8

Questions?



9

Evaluation of BARCT - Consideration of Revision to Rule 427 or Creation of a New Rule for Crude Oil Facilities Subject to AB 617

AMY CLYMO
ENGINEERING AND COMPLIANCE MANAGER
FEBRUARY 3, 2022



1

Outline

- Background Rule Schedule
- Rule Review
- BARCT Definition
- Recommendation



2

Background

- 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.



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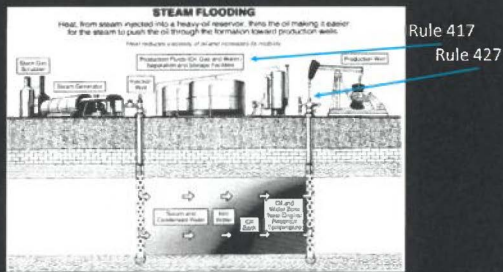
BARCT IMPLEMENTATION SCHEDULE

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.



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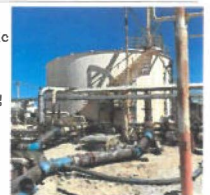


Rule 417
Rule 427

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Rule 417 Storage of Organic Liquids

- Purpose of Rule 417
 - Limit VOC emissions from the storage of organic liquids.
- Rule 417 Requirements
 - Control of organic liquid storage tanks utilizing a pressure vacuum vent, installation of a vapor control system, or use of a floating roof tank.
 - Leak detection for vapor recovery system
- Implementation of this rule reduces VOC emissions up to 95%.



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Rule 427 Steam Driven Crude Oil Production Wells

Purpose of Rule 427

- Limit VOC emissions from steam-enhanced crude oil production wells.

Rule 427 Requirements

- Leak detection and repair (LDAR) program required for minimizing leaks with specific repair thresholds and timelines.
- VOC emissions from wells must be reduced by at least 98%.

- Implementation of this rule reduces VOC emissions up to 98%.



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Rule 417 and 427 Summary

Rule Section	Category	Requirements
Rule 417 Section 2.4 and 3.1.3.3	Leaks (tanks/associated piping, valves and fittings)	>10,000 ppm methane
Rule 417 Section 3.1.3.1	Vapor Recovery System (tanks)	95% vapor control efficiency
Rule 427 Section 1.3.2	Exemption - Component Leak Repair	<10,000 ppm methane
Rule 427 Section 3.1	Hydrocarbon Control (wellheads)	98% control
Rule 427 Section 3.4, 3.5, and 3.6	Leak Repair Requirements	>15,000 ppm methane 20 working days >75,000 ppm methane 15 working days



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BARCT DEFINITION

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)



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BARCT Rule Evaluation

- District staff compared regulatory requirements of Rules 417 and 427 to other air district requirements, state, and federal regulations.

Other regulatory agencies rules reviewed:

- SJVAPCD Rule 4401 - Currently under review
- SCAQMD Rules 1148, 1148.1, and 1173
- VCAPCD Rule 71
- SBAPCD Rule 325
- CARB GHG Emission Standards for Crude Oil and Gas Natural Gas Facilities - Will undergo review 2022/2023
- EPA New Source Performance Standards for Oil and Gas Sector



11

Conclusions

- CARB, EPA, and SJVAPCD in process of updating their regulations for oil and natural gas sector.
- CalGEM in review process for a new rule for oil and gas production operation.
- The California Air Resources Board redesignated MBARD to attainment for the state 8-hour ozone standard in 2020.

A new BARCT rule to address leak detection and vapor control at three oil and gas facilities is not necessary.



12

Recommendation

Provide comments on proposal of no further action to create a new rule due to several other federal, state, and local air district rulemaking activities in the oil and gas sector.



13

Questions?



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