

**REVISED**



**South Coast  
Air Quality Management District**  
21865 Copley Drive, Diamond Bar, CA 91765  
(909) 396-2000, [www.aqmd.gov](http://www.aqmd.gov)

**STATIONARY SOURCE COMMITTEE MEETING**

**Committee Members**

Council Member Ben Benoit, Chair  
Senator Vanessa Delgado (Ret.)  
Board Member Gideon Kracov  
Council Member Judith Mitchell  
Supervisor V. Manuel Perez  
Supervisor Janice Rutherford

**September 18, 2020 ♦ 10:00 a.m.**

**\*PLEASE NOTE TIME CHANGE\***

**Pursuant to Governor Newsom's Executive Orders N-25-20 (March 12, 2020) and N-29-20 (March 17, 2020), the South Coast AQMD Stationary Source Committee meeting will only be conducted via video conferencing and by telephone. Please follow the instructions below to join the meeting remotely.**

**ELECTRONIC PARTICIPATION INFORMATION**  
(Instructions provided at bottom of the agenda)

*Join Zoom Webinar Meeting - from PC or Laptop*  
<https://scaqmd.zoom.us/j/98486824939>

**Zoom Webinar ID:** 984 8682 4939 (applies to all)

**Teleconference Dial In**

+1 669 900 6833

**One tap mobile**

+16699006833,,98486824939#

**Spanish Language Only Audience Zoom Meeting ID: 988 9613 8871**

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**Audience will be allowed to provide public comment through telephone or Zoom connection during public comment periods.**

**PUBLIC COMMENT WILL STILL BE TAKEN**

## AGENDA

*Members of the public may address this body concerning any agenda item before or during consideration of that item (Gov't. Code Section 54954.3(a)). If you wish to speak, raise your hand on Zoom or press Star 9 if participating by telephone. All agendas for regular meetings are posted at South Coast AQMD, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of the regular meeting. Speakers may be limited to three (3) minutes each.*

### CALL TO ORDER

### INFORMATIONAL ITEMS (Items 1 through 6 )

- 1. Annual Progress Report for AB 617 Community Emissions Reduction Plans** (15 mins) Jo Kay Ghosh  
Health Effects Officer  
*(No Motion Required)*  
This report summarizes the results and actions taken from September 2019 to June 2020 to further reduce emissions in AB 617 communities designated in 2018.  
*(Written Material Attached)*
- 2. Recommendation for Year 3 Implementation of Assembly Bill 617** (10 mins) Jo Kay Ghosh  
*(No Motion Required)*  
Assembly Bill (AB) 617 requires CARB, in consultation with air districts, to annually select communities for community air monitoring and the preparation of community emissions reduction programs as appropriate. AB 617 specifies that the highest priority locations shall be disadvantaged communities with a high exposure burdens for criteria pollutants and toxic air contaminants. Staff built on the technical evaluation and public process from the first two years of AB 617 implementation and outreach to develop a recommendation for Year 3. In August 2020, staff conducted a public outreach meeting to gather community input for Year 3 implementation. Staff recommends the South Los Angeles community for consideration in the AB 617 program, and recommends seeking additional funding to support the development and implementation of the community plans.  
*(Written Material Attached)*
- 3. Summary of Proposed Amended Rule 1178 – Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities** (10 mins) Michael Morris  
Planning and Rules  
Manager  
*(No Motion Required)*  
Staff will provide a summary of Proposed Amended Rule 1178 which reinstates an option to establish a limit on the vapor pressure on certain tanks in lieu of doming the tank to address a safety issue.  
*(Written Material Attached)*

- 4. Status Update on the Development of Proposed Rule 1109.1** (15 mins) Michael Krause  
(No Motion Required) Planning and Rules  
Proposed Rule 1109.1 will establish NO<sub>x</sub> BARCT emission limits Manager  
for all combustion equipment at refineries and refinery related  
facilities. Staff will provide a general overview of the rulemaking  
and development of Proposed Rule 1109.1.  
(Written Material Attached)
- 5. 2019 Annual Report on AB 2588 Program** (10 mins) Tracy Goss  
(No Motion Required) Planning and Rules  
This annual update of the Air Toxics "Hot Spots" Information and Manager  
Assessment Act of 1987 (AB 2588) provides a summary regarding  
South Coast AQMD programs to reduce emissions of toxic air  
contaminants, such as quadrennial emissions reporting and prioritization,  
the preparation and review of Air Toxics Inventory Reports, Health Risk  
Assessments, Voluntary Risk Reduction Plans, Risk Reduction Plans, and  
additional South Coast AQMD activities related to air toxics. Staff is also  
updating the Facility Prioritization Procedure for the AB 2588 Program,  
Public Notification Procedures, and the AB 2588 and Rule 1402  
Supplemental Guidelines to correct typographical errors and to provide  
additional information and clarification.  
(Written Material Attached)
- 6. RECLAIM Quarterly Report – 8<sup>th</sup> Update** (10 mins) Susan Nakamura  
(No Motion Required) Assistant Deputy  
Staff will provide an update on the transition of NO<sub>x</sub> RECLAIM Executive Officer  
facilities to a command and control regulatory program.  
(Written Material Attached)

#### **WRITTEN REPORT (Item 7)**

- 7. Notice of Violation Penalty Summary** Bayron Gilchrist  
(No Motion Required) General Counsel  
This report provides the total penalties settled in August  
of 2020 which includes Civil, Supplemental Environmental  
Projects, Mutual Settlement Assessment Penalty Program,  
Hearing Board and Miscellaneous.  
(Written Material Attached)

#### **OTHER MATTERS**

- 8. Other Business**  
Any member of the Committee, or its staff, on his or her own initiative or in  
response to questions posed by the public, may ask a question for clarification,  
may make a brief announcement or report on his or her own activities, provide  
a reference to staff regarding factual information, request staff to report back at  
a subsequent meeting concerning any matter, or may take action to direct staff  
to place a matter of business on a future agenda. (Gov't. Code Section  
54954.2)

**9. Public Comment Period**

At the end of the regular meeting agenda, an opportunity is also provided for the public to speak on any subject within the Committee's authority that is not on the agenda. Speakers may be limited to three (3) minutes each.

**10. Next Meeting Date:** Friday, October 16, 2020 at 10:30 a.m.

**ADJOURNMENT**

**Americans with Disabilities Act and Language Accessibility**

*Disability and language-related accommodations can be requested to allow participation in the Stationary Source Committee meeting. The agenda will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't Code Section 54954.2(a)). In addition, other documents may be requested in alternative formats and languages. Any disability or language related accommodation must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to the South Coast AQMD. Please contact Catherine Rodriguez at (909) 396-2735 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to [Crodriguez@aqmd.gov](mailto:Crodriguez@aqmd.gov).*

**Document Availability**

*All documents (i) constituting non-exempt public records, (ii) relating to an item on an agenda for a regular meeting, and (iii) having been distributed to at least a majority of the Committee after the agenda is posted, are available by contacting Catherine Rodriguez at (909) 396-2735, or send the request to [Crodriguez@aqmd.gov](mailto:Crodriguez@aqmd.gov).*

**INSTRUCTIONS FOR ELECTRONIC PARTICIPATION**

**Instructions for Participating in a Virtual Meeting as an Attendee**

As an attendee, you will have the opportunity to virtually raise your hand and provide public comment.

Before joining the call, please silence your other communication devices such as your cell or desk phone. This will prevent any feedback or interruptions during the meeting.

**Please note:** During the meeting, all participants will be placed on Mute by the host. You will not be able to mute or unmute your lines manually.

After each agenda item, the Chairman will announce public comment.

A countdown timer will be displayed on the screen for each public comment.

If interpretation is needed, more time will be allotted.

**Once you raise your hand to provide public comment, your name will be added to the speaker list. Your name will be called when it is your turn to comment. The host will then unmute your line.**

**Directions for Video ZOOM on a DESKTOP/LAPTOP:**

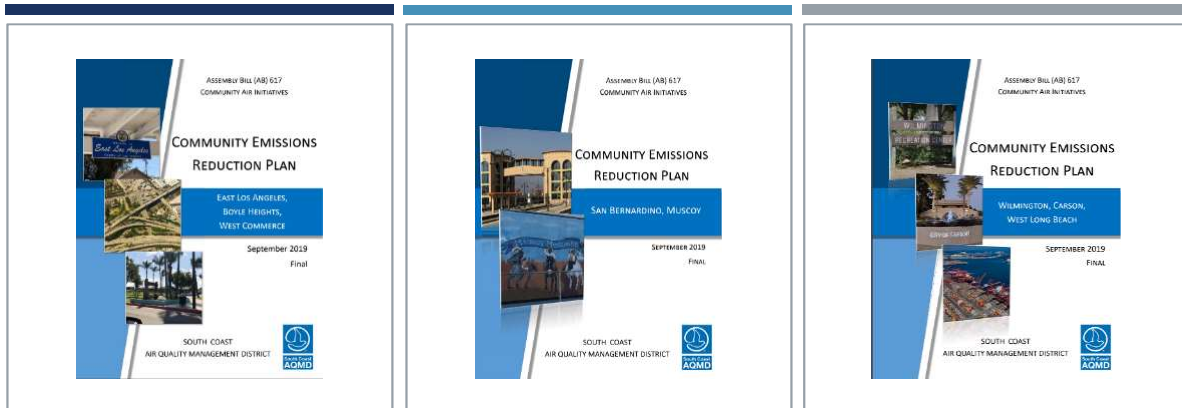
- If you would like to make a public comment, please click on the “**Raise Hand**” button on the bottom of the screen.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

**Directions for Video Zoom on a SMARTPHONE:**

- If you would like to make a public comment, please click on the “**Raise Hand**” button on the bottom of your screen.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

**Directions for TELEPHONE line only:**

- If you would like to make public comment, please **dial \*9** on your keypad to signal that you would like to comment.



## 2019-2020 ANNUAL PROGRESS REPORT – AB 617 COMMUNITY EMISSIONS REDUCTION PLANS

September 18, 2020

Stationary Source Committee

### BACKGROUND: 2018-DESIGNATED AB 617 COMMUNITIES

- September 2018, CARB designated:
  - East Los Angeles, Boyle Heights, West Commerce
  - San Bernardino, Muscoy
  - Wilmington, Carson, West Long Beach
- September 2019, Governing Board adopted Community Emissions Reduction Plans (CERPs)
- September 2020, CARB Board considers CERPs for approval



## BACKGROUND – ANNUAL PROGRESS REPORTS

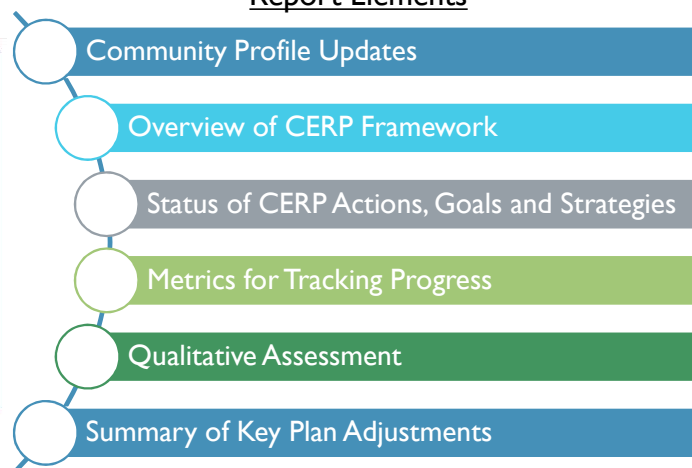
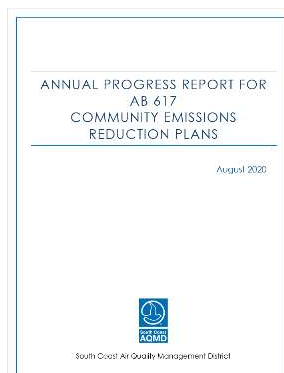
- Required by AB 617 statute\* and outlined in the CARB Community Protection Blueprint
- The report covers CERP implementation from September 6, 2019 to June 30, 2020
- The report was released for public review on August 13<sup>th</sup> and presented to each Community Steering Committee (CSC)

\*Health and Safety Code §44391.2(c)(7)

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## OVERVIEW OF ANNUAL PROGRESS REPORT

### Report Elements

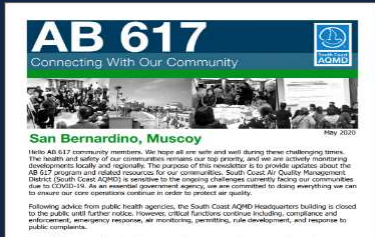


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## COMMUNITY MEETINGS AND OUTREACH

- 9 CSC quarterly update meetings
  - 6 virtual meetings, 3 in-person meetings
- 6 community newsletters released
- One-on-one meetings (in-person, teleconference, virtual platforms)
  - Receive CSC input for implementation & quarterly meeting topics



## SUMMARY OF CERP ACTIONS







- Summary of actions and goals requiring implementation efforts from September 6, 2019 to June 30, 2020

	East LA, Boyle Heights, West Commerce	San Bernardino, Muscoy	Wilmington, Carson, West Long Beach
<b>Actions and Goals*</b>	38	32	43
<b>Initiated or Ongoing</b>	30	22	27
<b>Completed</b>	1	2	5

\*Deliverable required by each CERP from September 2019 to June 2020









## CERP Actions: Wilmington, Carson, West Long Beach

Air Quality Priority	Examples of Actions, Goals, and Strategies Required (September 2019 – June 2020)	Status of CERP
 <b>Refineries</b>	<ul style="list-style-type: none"> <li>Improve refinery flaring notifications</li> <li>Conduct refinery monitoring to identify and address VOC leaks</li> </ul>	<ul style="list-style-type: none"> <li>Deployed public portal to view flaring event notifications</li> <li>Rule 1180 monitoring initiated</li> </ul>
 <b>Ports</b>	<ul style="list-style-type: none"> <li>Continue Port MOU development</li> <li>Update CSC on demonstration projects for ships and harbor craft</li> </ul>	<ul style="list-style-type: none"> <li>Port MOU initial concepts released, public hearing is TBD</li> <li>1 demonstration project initiated, another funded by U.S. EPA</li> </ul>
 <b>Neighborhood Truck Traffic</b>	<ul style="list-style-type: none"> <li>Conduct idling truck sweeps</li> <li>Conduct outreach events to inform the community members how to report idling trucks</li> </ul>	<ul style="list-style-type: none"> <li>4 enforcement sweeps, 219 trucks inspected, 4 NOV</li> <li>Truck idling outreach conducted at Wilmington Neighborhood Council meeting</li> </ul>
 <b>Oil Drilling and Production</b>	<ul style="list-style-type: none"> <li>Use CalGEM data to identify oil well status</li> <li>Work with stakeholders to identify improvements for 1148.2</li> </ul>	<ul style="list-style-type: none"> <li>Oil well status provided to CSC</li> <li>CSC input received for notification updates, potential future rule development</li> </ul>
 <b>Railyards</b>	<ul style="list-style-type: none"> <li>Provide incentive info to railyards (to replace diesel equipment)</li> <li>Continue ISR development for railyards</li> </ul>	<ul style="list-style-type: none"> <li>Incentive outreach provided via webcast</li> <li>ISR community workshops conducted, initial concepts released, public hearing expected second quarter 2021</li> </ul>
 <b>Schools and Community Areas</b>	<ul style="list-style-type: none"> <li>Provide air quality related programs to schools or information on programs and partner with local entities and community-based organizations</li> <li>Install new air filtration systems/replacement filters at schools</li> </ul>	<ul style="list-style-type: none"> <li>Developing outreach in collaboration with community-based organizations</li> <li>CAPP incentive funds received in second quarter 2020 for school air filtration systems</li> </ul>








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## CERP Actions: San Bernardino, Muscoy

Air Quality Priority	Examples of Actions, Goals, and Strategies Required (September 2019– June 2020)	Status of CERP
 <b>Neighborhood Truck Traffic</b>	<ul style="list-style-type: none"> <li>Conduct truck idling sweeps</li> <li>Develop Indirect Source Rules (ISR)</li> </ul>	<ul style="list-style-type: none"> <li>4 enforcement sweeps, 61 trucks inspected, 2 NOVs</li> <li>Proposed Rule 2305 (ISR for warehouses) preliminary draft rule language released November 2019, public hearing expected first quarter 2021</li> </ul>
 <b>Railyard</b>	<ul style="list-style-type: none"> <li>Conduct air measurements</li> <li>Continue ISR development for railyards</li> </ul>	<ul style="list-style-type: none"> <li>Air measurements conducted around BNSF railyard fall/winter 2019, discussed with CSC</li> <li>ISR community workshop for railyard conducted December 2019, initial concepts released, public hearing expected second quarter 2021</li> </ul>
 <b>Warehouses</b>	<ul style="list-style-type: none"> <li>Develop Indirect Source Rules (ISR) and hold public meeting in Inland Empire to discuss</li> <li>Conduct outreach to support zero emission equipment</li> </ul>	<ul style="list-style-type: none"> <li>Proposed Rule 2305 preliminary draft rule language released November 2019, public hearing expected first quarter 2021, public meeting in Inland Empire delayed due to COVID-19</li> <li>Provided information to SCE for outreach to existing warehouses</li> </ul>
 <b>Omnitrans</b>	<ul style="list-style-type: none"> <li>Conduct air measurements</li> <li>Support transition to zero emission buses</li> </ul>	<ul style="list-style-type: none"> <li>Air measurements conducted Summer 2019 and ongoing, discussed with CSC</li> <li>Provided two letters of support for grant proposals</li> </ul>
 <b>Concrete Batch, Asphalt Batch, and Rock and Aggregate Plants</b>	<ul style="list-style-type: none"> <li>Conduct air monitoring; if needed, follow-up investigations</li> <li>Conduct public outreach on rules and complaint process</li> </ul>	<ul style="list-style-type: none"> <li>Air measurements conducted Summer 2019, discussed with CSC</li> <li>Provided complaint process information to CSC</li> </ul>
 <b>Schools and Community Areas</b>	<ul style="list-style-type: none"> <li>Implement CARE and WHAM programs at schools</li> <li>Install air filtration systems at schools</li> </ul>	<ul style="list-style-type: none"> <li>Three schools signed up for WHAM program</li> <li>CAPP incentive funds received in second quarter 2020 for school air filtration systems</li> </ul>

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## CERP Actions: East LA, Boyle Heights, West Commerce

Air Quality Priority	Examples of Actions, Goals, and Strategies Required (September 2019 – June 2020)	Status of CERP
 Neighborhood Freeway and Truck Traffic	<ul style="list-style-type: none"> <li>Conduct truck idling sweeps</li> <li>Continue Warehouse ISR development</li> </ul>	<ul style="list-style-type: none"> <li>4 enforcement sweeps, 114 trucks inspected, 1 NOV</li> <li>Proposed Rule 2305 (warehouse ISR) preliminary draft rule language released Nov 2019, public hearing expected first quarter 2021</li> </ul>
 Railyards	<ul style="list-style-type: none"> <li>Conduct air measurements</li> <li>Develop CARB regulations and Indirect Source Rules (ISR)</li> </ul>	<ul style="list-style-type: none"> <li>Air measurements conducted around all railyards fall/winter 2019, discussed with CSC</li> <li>ISR community workshops conducted, initial concepts released, public hearing expected second quarter 2021</li> </ul>
 Metal Processing Facilities	<ul style="list-style-type: none"> <li>Begin mobile air measurements near metal processing facilities</li> <li>Reduce emissions through air monitoring, enforcement, incentives, outreach, and best management practices</li> </ul>	<ul style="list-style-type: none"> <li>Stationary and mobile air measurements conducted between November 2019 and March 2020</li> <li>CAPP incentive funds received in second quarter 2020 for control or conversion projects</li> </ul>
 Rendering Facilities	<ul style="list-style-type: none"> <li>Begin outreach to provide information on Rule 415 requirements</li> <li>Begin mobile air measurements for VOCs near rendering facilities</li> </ul>	<ul style="list-style-type: none"> <li>Provided Rule 415 information to CSC in January 2020</li> <li>Air measurements for VOCs near all rendering plants beginning June 2019 and periodically occurring</li> </ul>
 Auto Body Shops	<ul style="list-style-type: none"> <li>Begin air measurements near auto body</li> <li>Conduct targeted enforcement activities, as needed</li> </ul>	<ul style="list-style-type: none"> <li>Air measurements initiated in Summer/Fall 2019, investigations ongoing</li> <li>Enforcement efforts initiated, including those driven by monitoring findings</li> </ul>
 General Concerns about Industrial Facilities	<ul style="list-style-type: none"> <li>Address fugitive emissions, odors, and dust through improved public outreach and education on filing air quality complaints</li> <li>Collaboration with land use agencies to cross-check facility permits</li> </ul>	<ul style="list-style-type: none"> <li>Provided air quality complaint process information to CSC</li> <li>Participated in LA County Green Zone ordinance development</li> </ul>
 Schools and Community Areas	<ul style="list-style-type: none"> <li>Implement CARE and WHAM programs at schools</li> <li>Install air filtration systems at schools</li> </ul>	<ul style="list-style-type: none"> <li>Conducted 11 WHAM outreach events within the community</li> <li>CAPP incentive funds received in second quarter 2020 for school air filtration systems</li> </ul>

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## EMISSION REDUCTION TARGETS



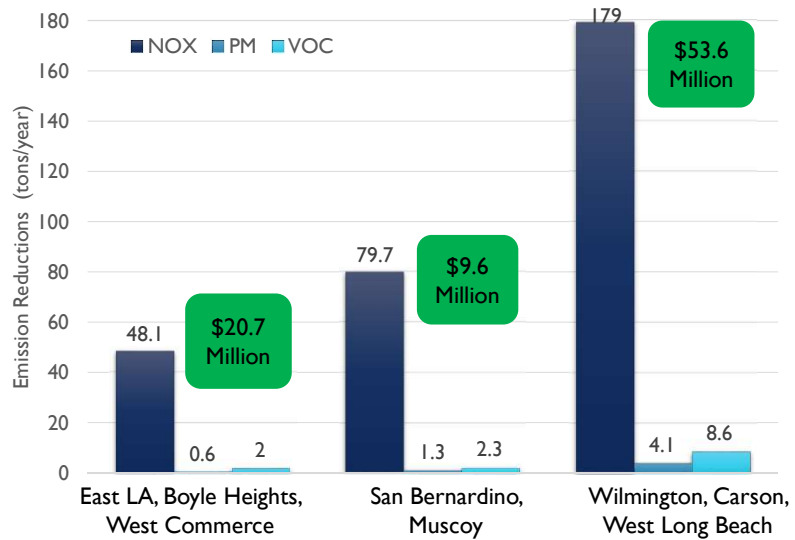
- Emissions baseline (2017) and emission reduction targets established in each CERP (e.g., NO<sub>x</sub>, DPM, VOCs)
  - CARB Guidance requires targets for future years (5 and 10 years)
- Staff working with CARB, Technical Advisory Group, and CSC to quantify emission reductions for:
  - AB 617 incentives
  - CARB regulations
  - South Coast AQMD regulations
- Continue to refine metrics for AB 617 emission reductions
  - Status of targets will be evaluated annually

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## TOTAL INVESTMENT IN INCENTIVES

- Future incentive based emission reductions dependent on program funding

Approximate Emission Reductions based on Total Investment



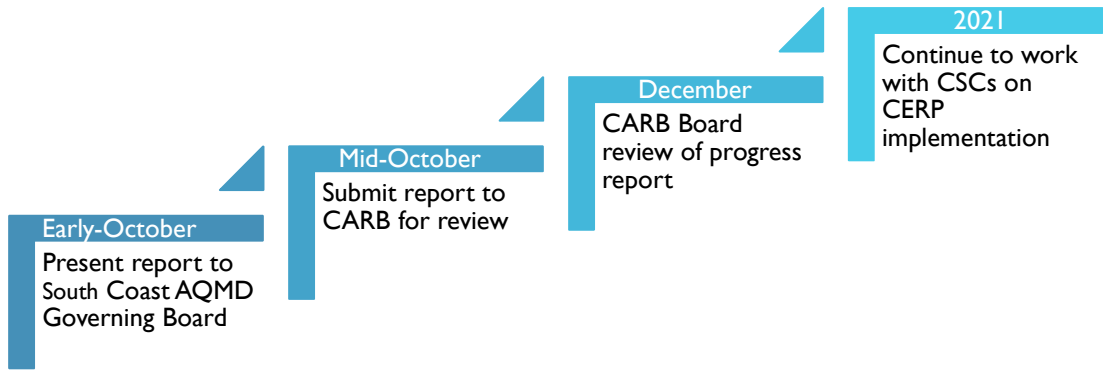
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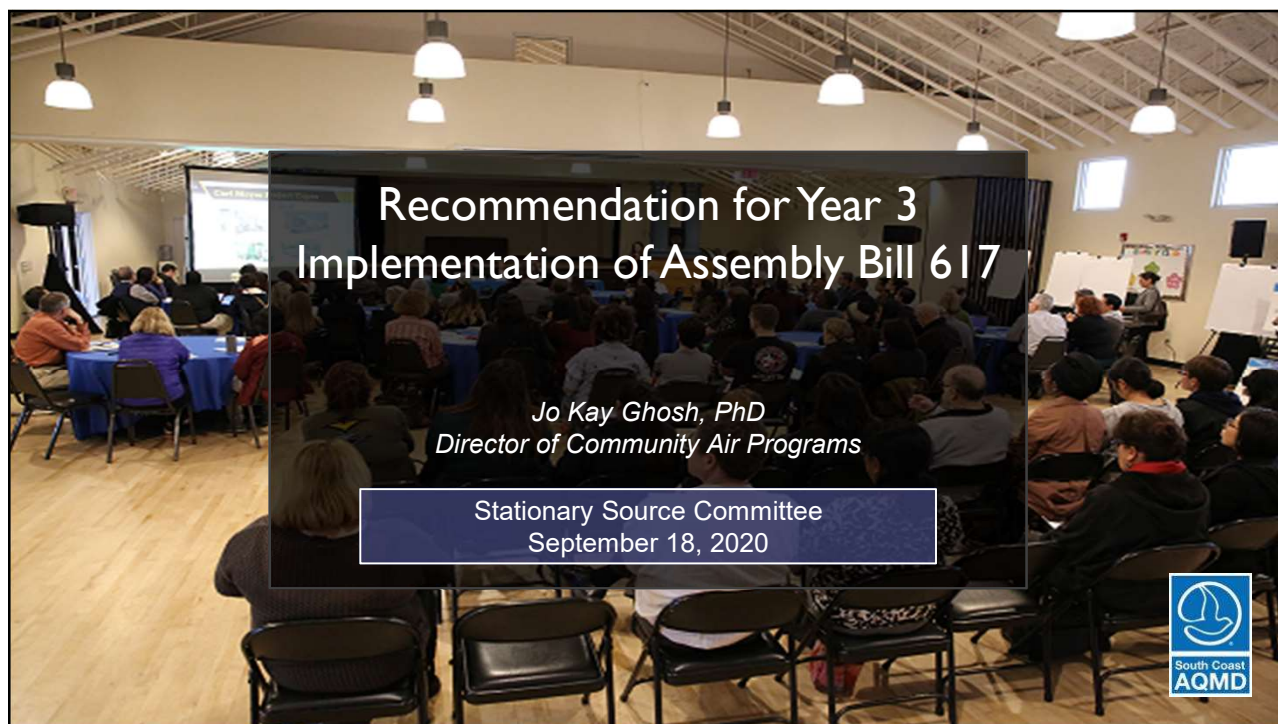
## CSC COMMENTS

- CSC members requested that the report identify community-led projects (e.g., grant fund projects) to be included in the annual progress report
  - Staff included community-led projects that have been initiated and will provide status updates in future annual reports
- CSC members recommended that future annual reports incorporate the community health benefits from emission reductions achieved by the CERPs
  - Staff will collaborate with local community organizations and health departments who will be working on such efforts
  - MATES data can be used to quantify overall community-wide impacts of air toxics

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# NEXT STEPS





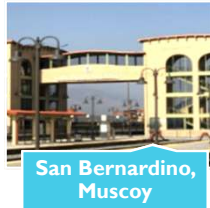
## ASSEMBLY BILL (AB) 617

- Signed into law July 26, 2017
- Requires a statewide strategy to reduce toxic air contaminants and criteria pollutants in disadvantaged communities
- Requires the selection of additional communities or locations annually as appropriate\*

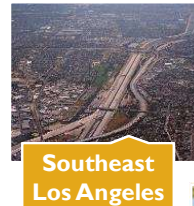
\*Health and Safety Code §44391.2(c)(1)

# AB 617 DESIGNATED COMMUNITIES IN SOUTH COAST AQMD

Designated in 2018 (Year 1)



Designated in 2019 (Year 2)



## COMMUNITY IDENTIFICATION AND PRIORITIZATION PROCESS

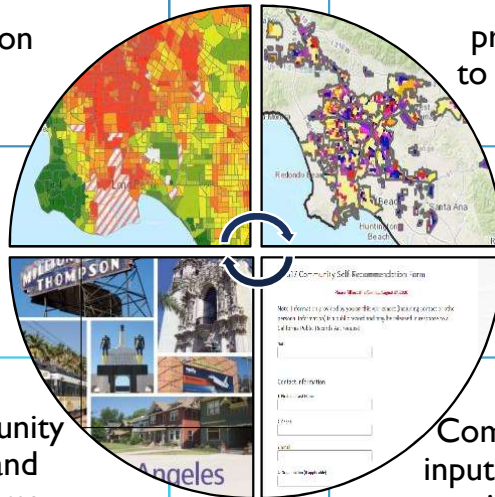
- Building on 2018 & 2019 efforts
- Virtual community meeting (August 2020)

Air pollution data

School proximity to sources

Past community plans and programs

Community input and nominations



# ADDITIONAL CONSIDERATIONS FOR COMMUNITY SELECTION



## Past Community-Based Air Monitoring or Plans

- Existing or past community air monitoring or community plans that pave the way for rapid AB 617 plan implementation

## Community Experience and Willingness

- Demonstrate a strong ability and desire to work with government agencies, organizations, business or business organizations, schools, hospitals, etc.

## Community Organization and Engagement

- Show the ability to organize and be active when addressing air pollution issues

## Community Resources

- Availability of tools from local agencies and organizations that would contribute to the rapid implementation of this program

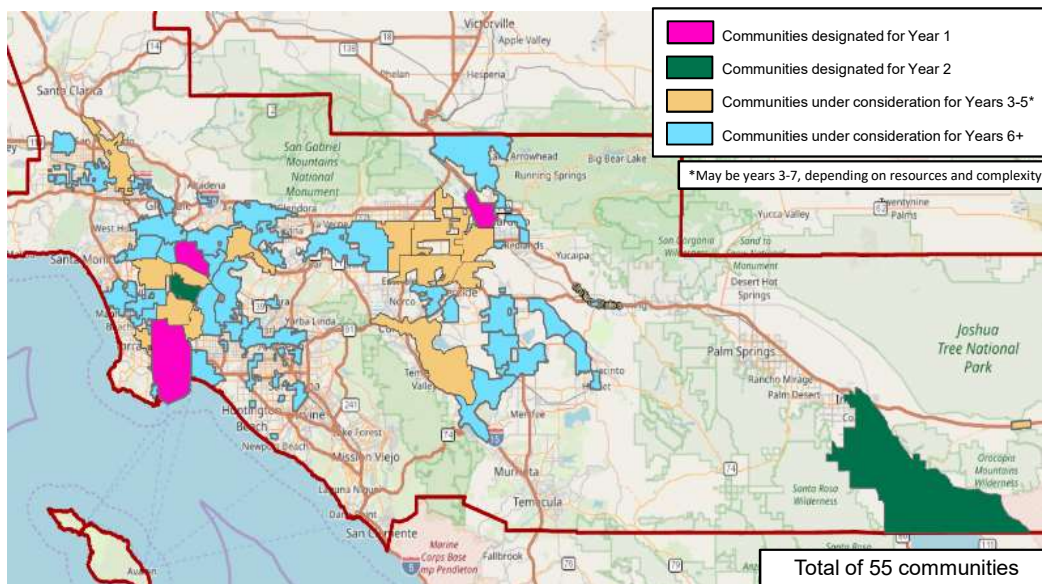
## Diversity of Air Pollution Impacts

- Geographic diversity and diverse air pollution issues

## Science-Based Air Pollution Projects

- Show progress with science-based community air pollution projects (e.g., community air sensors projects and community plan development)

# COMMUNITIES UNDER CONSIDERATION









## STAFF RECOMMENDATION: REQUEST FOR FUNDING FOR SOUTH LOS ANGELES

- Staff recommends working with the Legislature to seek \$4-\$6 million annually for at least six years to support AB 617 implementation in the South Los Angeles community
- Significant resources required to implement community emissions reduction and air monitoring plans
- State budget (2020-2021) for AB 617 implementation remained at the same level as previous year

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## NEXT STEPS

- October 2020
  - Board considers staff recommendation for Year 3 community selection and direction to seek funding
  - Staff submits Year 3 recommendations to CARB staff
- October – December 2020
  - Seek funding for Year 3 implementation, as directed by Board
- December 2020
  - CARB considers communities for AB 617 designation

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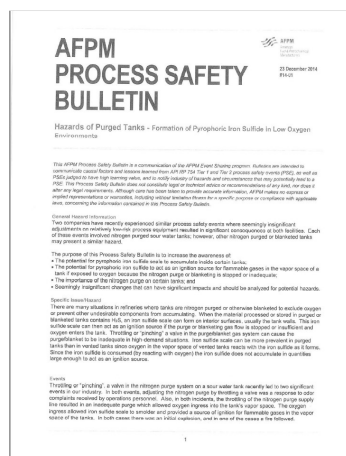


# Proposed Amended Rule 1178 Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities

**Stationary Source  
Committee  
September 18, 2020**

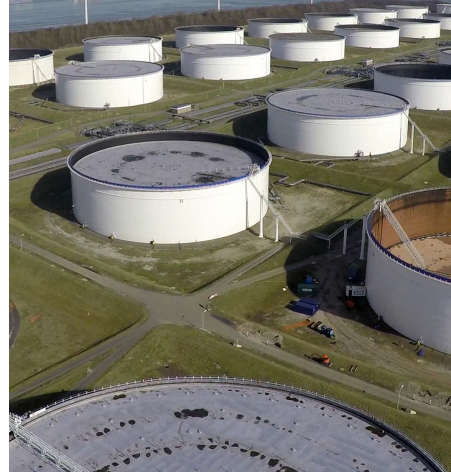
## Background

- ❖ Rule 1178 establishes requirements to reduce VOC emissions from storage tanks at petroleum facilities
- ❖ Proposed amendments are needed to address a specific safety issue associated with doming tanks that store waste water
- ❖ This proposed amendment is separate from a broader amendment planned in 2021 associated with the Community Emission Reduction Plan for Wilmington, Carson, and West Long Beach AB 617 community



## Issue Addressed by PAR 1178

- ❖ Rule 1178 had a provision that expired in 2008 that would have allowed an operator to limit the vapor pressure of the tank through a permit modification, in lieu of doming
- ❖ In 2019, two tanks in wastewater service were identified with a true vapor pressure greater than 3 psia which after 2008, require doming
- ❖ Reported tanks store water containing hydrogen sulfide contaminants, which may become ignitable if the tanks are domed
- ❖ Self-ignition can lead to fire, damage to a tank, and subsequent community exposure



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## Proposed Amendment

- ❖ Re-instate option to permit waste stream tanks to limit the true vapor pressure in lieu of doming the tank
- ❖ Provision would be limited to waste stream tanks where pyrophoric material may form
- ❖ Permit condition would limit the true vapor pressure to below 3 psia as had been allowed when the 2008 provision expired

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## VOC Emissions Forgone and Cost Impacts

VOC Emission  
Forgone

- 2.4 lbs/day forgone in selecting permitting option

Cost and  
Socioeconomic  
Impacts

- The proposed amendment does not impose any additional costs
- No socioeconomic analysis

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## Next Steps

- ❖ Set Hearing  
October 2, 2020
- ❖ Board Meeting  
November 6, 2020

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## PROPOSED RULE 1109.1 UPDATE

### NO<sub>x</sub> EMISSION REDUCTIONS FOR REFINERY EQUIPMENT



STATIONARY SOURCE COMMITTEE  
SEPTEMBER 18, 2020

## BACKGROUND AND APPLICABILITY

- Proposed Rule 1109.1 (PR 1109.1) applies to 16 refineries and refinery related facilities
- Establishes BARCT NO<sub>x</sub> emission limits for all combustion equipment – affecting nearly 300 pieces of equipment
- 2016 AQMP included CMB-05 to transition NO<sub>x</sub> RECLAIM to a command-and-control regulatory framework which requires each unit to meet a NO<sub>x</sub> BARCT emission limit
- AB 617 which was adopted in 2017 requires an expedited schedule for the implementation of BARCT by December 2023
- Public hearing scheduled for first quarter of 2021
  - ✓ Initiating early briefings to the Stationary Source Committee to introduce the proposed rule



## PR 1109.1 AFFECTED FACILITIES



### 9 Petroleum Refineries

- Chevron
- Marathon (Wilmington)
- Marathon (Carson)
- Phillips 66 (Carson)
- Phillips 66 (Wilmington)
- Torrance Refining Company
- Valero
- Marathon – Calciner
- Marathon – Sulfur Recovery Plant



### 3 Small Refineries

#### Asphalt Refineries

- Lunday-Thagard DBA World Oil Refining
- Valero Wilmington Asphalt Plant

#### Biodiesel Refinery

- Alt Air Paramount



### 4 Related Operations

#### Hydrogen Plants

- Air Liquide Large Industries
- Air Products and Chemicals (Carson & Wilmington)

#### Sulfuric Acid Plant

- Eco Services Operations

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## MEETINGS AND SITE VISITS



### Working Group Meetings

- 14 Working Group Meetings held to date
- Includes industry, environmental groups, community members, and public agencies



### Facility Site Visits

- 14 facility site visits including some multiple visits
- Visited San Joaquin Valley Air District for technology demonstration
- Explored real world challenges of technology



### Vendor Meetings

- 13 meetings with technology vendors with experience in the refining industry
- Vendors provided information on NOx control technology including:
  - Combustion control
  - Post-combustion control

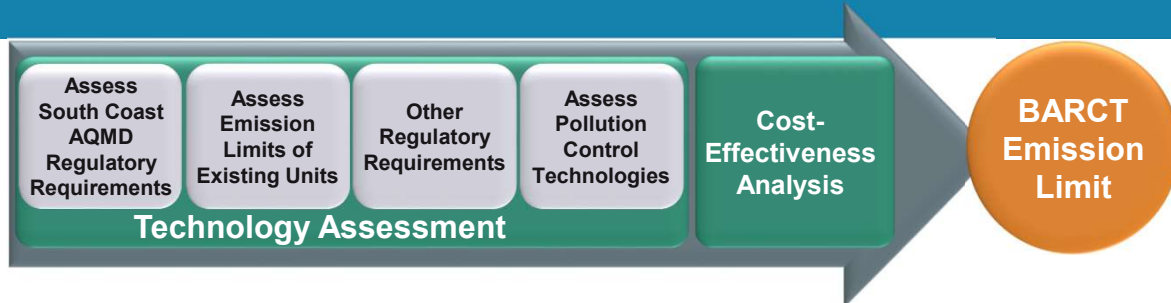


### Community Meeting

- Public meeting with AB617 Carson, Wilmington, and West Long Beach communities
- Provided rule status and listened to community concerns

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## BARCT ANALYSIS PROCESS TO ESTABLISH NO<sub>x</sub> EMISSION LIMITS



- BARCT is defined<sup>1</sup> as an 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
  - ✓ Evolving standard that becomes more stringent as technology advances
  - ✓ Allows for technology forcing limits provided compliance date allows for technology development
- Technology assessment and cost-effectiveness analysis are key elements in establishing BARCT
- Staff uses \$50,000 per ton of NO<sub>x</sub> reduced<sup>2</sup> as a guide for evaluating the cost-effectiveness

<sup>1</sup> California Health and Safety Code Section 40406

<sup>2</sup> Based on the 2016 AQMP

## DEVELOPING THE BARCT EMISSION LIMIT



- Proposed BARCT limits are not always the lowest NO<sub>x</sub> limit achievable based on the Technology Assessment as limits are established based on the Technology assessment and the cost-effectiveness analysis
- Often for each class and category of equipment, there can be multiple initial BARCT NO<sub>x</sub> limits
- The cost-effectiveness analysis uses an iterative approach to evaluate the initial BARCT NO<sub>x</sub> limit, evaluating the most stringent limit first
- If an initial BARCT NO<sub>x</sub> limit is not cost-effective, alternative implementation approaches are evaluated such as meeting the limit at time burners or the equipment are replaced

## PROPOSED BARCT NO<sub>x</sub> LIMITS

Equipment Category	Equipment Size (MMBtu/hr)	No. of Units in Category	Current NO <sub>x</sub> Levels (ppmv)	Proposed BARCT Limit <sup>(1)</sup>	Averaging Time (hours)	Cost-Effectiveness (\$/ton)
Heaters <sup>(2)</sup>	<20	22	30 – 60	40/9 ppm	2	_ <sup>(3)</sup>
	20 to 40	45	5 – 100	30/9 ppm	2	\$3,900/_ <sup>(3)</sup>
	≥40	118	5 – 140	2 ppm <sup>(4)</sup>	8	\$35,000
Boilers <sup>(2)</sup>	<40	5	9 – 40	40/5 ppm	2	\$0/_ <sup>(3)</sup>
	≥40	23	9 – 120	2 ppm	8	\$12,000 – \$49,000
Steam Methane Reformers (SMR) <sup>(2)</sup>	All	11	20 – 60	5 ppm	8	\$50,000
SMR with Gas Turbine <sup>(2)</sup>	All	1	5	5 ppm	8	\$0

(1) When two limits are listed, second limit is a future effective limit at time of equipment replacement

(2) 3% Oxygen for heaters/boilers/SMR, 15% Oxygen for SMR with gas turbine

(3) Requirement at end of useful life - potential additional cost beyond what the facility will already incur

(4) Units permitted at 5 ppm or less at the time of rule adoption can keep their permit limit until equipment replacement

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## PROPOSED BARCT NO<sub>x</sub> LIMITS (Continued)

Equipment Category	No. of Units in Category	Current NO <sub>x</sub> Levels (ppmv)	Proposed BARCT Limit	Averaging Time	Cost-Effectiveness (\$/ton)
Coke Calciner <sup>(1)</sup>	1	70	5 ppm 10 ppm	365 day 7 day	\$10,000 – \$22,000 <sup>(4)</sup>
Flares and Thermal Oxidizers <sup>(1)</sup>	14	9 – 130	20 ppm	3 hour	\$3,400
Fluidized Catalytic Cracking Unit <sup>(2)</sup>	1	2 – 40	2 ppm 5 ppm	365 day 7 day	\$31,000
Gas Turbines <sup>(3)</sup>	13	2 – 10	2 ppm	8 hour	\$40,000
SRU/Tail gas Incinerators <sup>(1)</sup>	16	4 – 100	30 ppm	8 hour	\$39,000
Sulfuric Acid Furnaces <sup>(1)</sup>	2	20 – 60	20 ppm	365 day	\$50,000

(1) 3% Oxygen

(2) 0% Oxygen

(3) 15% Oxygen

(4) Cost depends on control device installed

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## KEY OBJECTIVES FOR ESTABLISHING THE IMPLEMENTATION SCHEDULE

- Ensure proposed NOx BARCT emission limits are achieved
- Highest priority for implementation will be for those sources that “have not modified emissions-related permit conditions for the greatest period of time,” consistent with AB 617
- Emission reduction potential is very substantial - initial NOx reductions are between 7 to 9 tons per day
- If the implementation schedule is too rigid, it is possible that critical NOx reductions will be sacrificed because BARCT controls cannot be installed
- Important that any implementation approach is as quick as feasible, accounting for considerations that are unique to PR 1109.1



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## IMPLEMENTATION CONSIDERATIONS

- 
- ~ 220 pieces of equipment are not meeting proposed NOx emission limits
  - Accounting for refinery turnarounds schedules will minimize disruptions
  - Staggered schedules will reduce the demand for construction resources
  - Projects are complex requiring significant engineering, design, installation, and commissioning
  - ~110 SCR/SCR upgrade projects for the boiler/heater category
  - ~130 burner replacement projects that can involve 10's to 100's of burner replacements per unit
  - Most emission reduction projects will be more than \$10 million
  - Each of the petroleum refineries have many projects

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## PROPOSED BARCT EMISSION LIMIT AND COST-EFFECTIVENESS CONSIDERATIONS

- Proposed BARCT emission limit and cost-effectiveness are preliminary, as staff continues to work through the following issues:



Community stakeholders commented that 8-hour averaging times are too long - staff is continuing to work with stakeholders on this issue



Continuing to work on how PM10 emissions associated with installation of SCR will be addressed



Norton Engineering and FERCo are conducting third party review of proposed BARCT NOx emission limits – results expected December 2020

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## SUMMARY AND NEXT STEPS



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# AB 2588 Toxic Hot Spots 2019 Annual Report

**Stationary Source Committee  
September 18, 2020**



## Introduction

- AB 2588 Program Annual Report summarizes
  - Activities implemented under AB 2588 “Hot Spots Act” consistent with state law
  - South Coast AQMD activities to reduce toxic air contaminants
  - Future activities relating to AB 2588
  - Updates to AB 2588 guidance documents
- H&S Code §44363 requires a public hearing to present results of Annual Report



# Goals and Objectives of AB 2588

Collect emissions data for air toxics

Identify facilities with localized impacts

Determine potential health risks

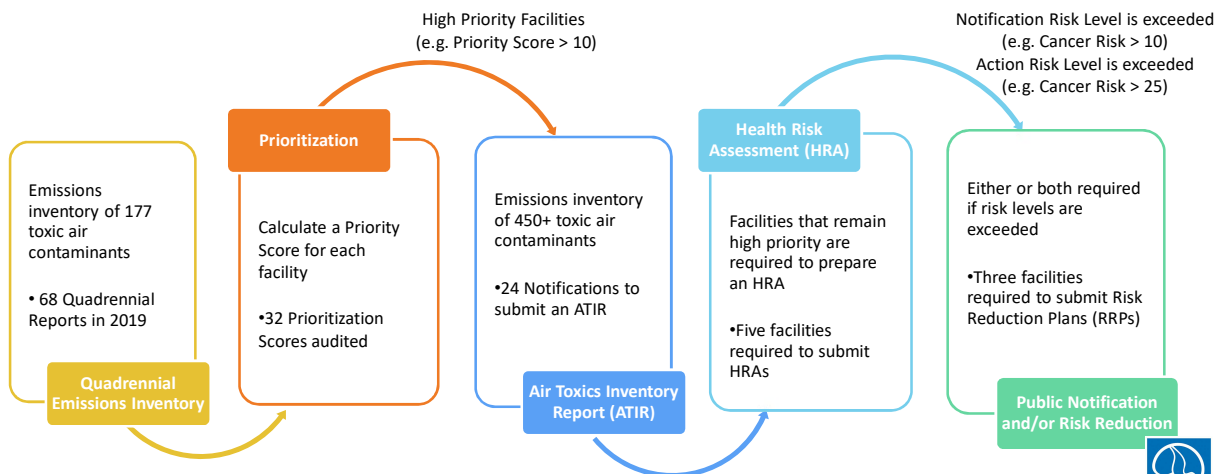
Provide public notification

Reduce significant risks

AB 2588 is one piece of South Coast AQMD's overall approach to air toxics



## AB 2588 Traditional Process for 'Core' Facilities



# Pathways for Facilities in Rule 1402

## Traditional Approach

Facilities with cancer risks <100 chances in-one-million

- Air Toxic Inventory Report
- Health Risk Assessment
- Public Notification (if cancer risks > 10 in-one-million)
- Risk Reduction Plan (if cancer risks > 25 in-one-million)

## Voluntary Risk Reduction Program

Facilities with cancer risks <100 chances in-one-million and approved Health Risk Assessment

- Air Toxic Inventory Report
- Voluntary Risk Reduction Plan committing to reduce cancer risks below 10 in-one-million
- Modified Public Notification

## Potentially High Risk Level

Facilities with cancer risks >100 chances in-one-million

- Early Action Reduction Plan
- Air Toxic Inventory Report
- Health Risk Assessment
- Public Notification (if cancer risks > 10 per million)
- Risk Reduction Plan (if cancer risks > 25 per million)



# Reviews in 2019

**123**

Reviews

3

### Revised Priority Score

- 3 Revised Priority Score < 10 (No further action)

112

### Traditional AB 2588

- 68 Quadrennial Emission Reports
- 31 Air Toxics Inventory Reports
- 10 Health Risk Assessments
- 3 Risk Reduction Plans

5

### Voluntary Risk Reduction Program

- 5 Voluntary Risk Reduction Plans

3

### Potentially High Risk Level Facilities

- 1 Health Risk Assessment
- 2 Risk Reduction Plans



## Other Key Toxics-Related Activities in 2019

### Rulemaking



Amended Rule 1407 to further reduce emissions of arsenic, cadmium, and nickel by establishing new requirements such as control efficiency requirements and mass emissions limits.

Adopted Rule 1480 to require facilities designated as a Metal Toxic Air Contaminant Monitoring Facility to conduct air monitoring and sampling.

### Special Monitoring

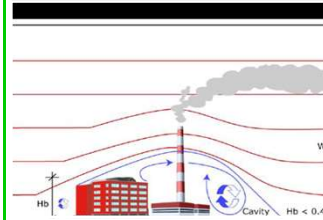


Continued air monitoring in Paramount

Continued mobile monitoring campaign in the Greater Los Angeles Area

Conducted air monitoring in West Rancho Dominguez Area

### Rules 1420.2 & 1466



Reviewed air dispersion modeling for lead emissions from three facilities under Rule 1420.2

Reviewed requests for alternative PM10 limits for one facility under 1466 to ensure toxics in PM10 pose no adverse health effects



## Projected 2020 Toxics-Related Activities

- Audit quadrennial emissions inventories for approximately 130 facilities
- Track development of potential additions or revisions to health values by OEHHA
- Work with CARB and through the CAPCOA Toxics and Risk Managers Committee (TARMAC) regarding:
  - Updates to the AB 2588 guidelines, including review of additional chemicals to be added for evaluating risk
  - Amendments to CTR (Criteria and Toxics Reporting) guidelines that will overlap with the updated AB 2588 guidelines
- Work with CARB to develop or update HRA guidance for Industrywide Sources (i.e., gasoline dispensing facilities)



## Updates to AB 2588 Guidances

- Facility Prioritization Procedures for the AB 2588 Program
  - Correction to calculation of cancer score for workers and calculation of non-cancer score
  - Provide additional clarification on worker adjustment factor (WAF)
- Public Notification Procedures
  - Provide additional clarification on the requirements for conducting public notification and public meetings
- AB 2588 and Rule 1402 Supplemental Guidelines
  - Provide additional clarification for implementation of the AB 2588 Program and Rule 1402 to ensure consistency with guidance in other AB 2588 documents



## Next Steps

- Hold a Public Hearing in October
- Recommended Action:
  - Receive and File the 2019 AB 2588 Annual Report
  - Approve Updates to:
    - Facility Prioritization Procedures
    - Public Notification Procedures
    - AB 2588 and Rule 1402 Supplemental Guidelines



# NOx RECLAIM Quarterly Update

STATIONARY SOURCE COMMITTEE  
SEPTEMBER 18, 2020

## Update “At a Glance” (May to August 2020)



**RECLAIM and New Source Review**  
• 3 Working Group Meetings



**Rule Development**  
• 8 Working Group Meetings



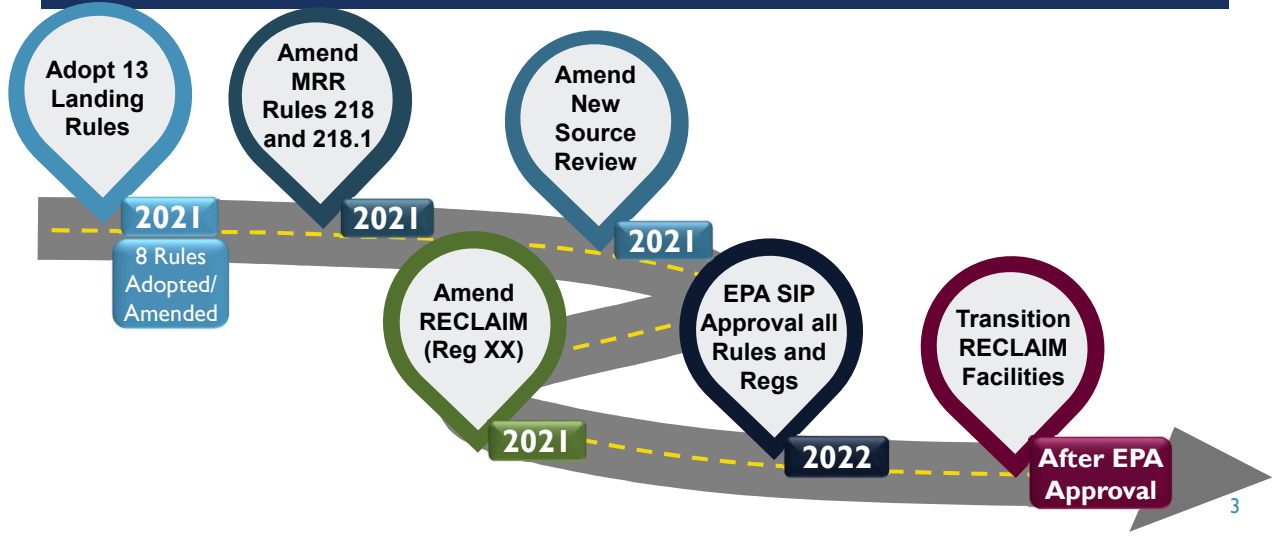
**Rule 1117**  
Amended June 5, 2020



**Discussions with EPA**  
• 8 conference calls or virtual meetings



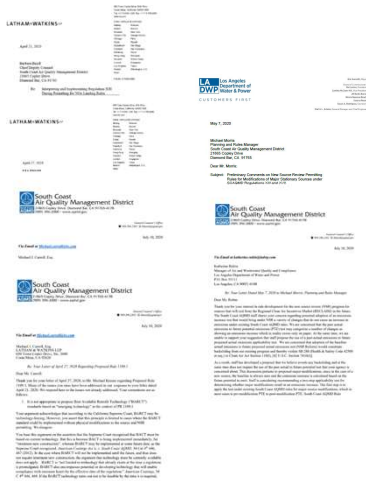
# Overview of RECLAIM Transition



# RECLAIM and New Source Review Working Group Meetings

May 2020	June 2020	August 2020
<p><b>Overview of Potential Offset Sources Post-RECLAIM</b></p> <ul style="list-style-type: none"> <li>Open Market (ERCs)</li> <li>South Coast AQMD Internal Bank (Offsets)</li> <li>Proposed South Coast AQMD Large Source Bank (Offsets)</li> </ul> <p>11</p>	<p><b>Stakeholder Comment Letters</b></p> <ul style="list-style-type: none"> <li>South Coast AQMD has received three comment letters pertaining to Regulation XIII</li> <li>April 21, 2020 from the Regulatory Flexibility Group (RFG)</li> <li>April 27, 2020 from the Western States Petroleum Association (WSPA)</li> <li>May 7, 2020 from the Los Angeles Department of Water and Power (LADWP)</li> <li>Today's working group meeting responds to the comment letters.</li> <li>Comment letters are posted on <a href="#">South Coast AQMD's Proposed Rules Page</a></li> </ul> <p>4</p>	<p><b>Summary of the Proposed NSR Applicability Test for Major Source Modifications</b></p> <p>48</p>
<ul style="list-style-type: none"> <li>Presented initial concepts for a Large Source Bank for NO<sub>x</sub>, SO<sub>x</sub>, and PM<sub>10</sub></li> <li>Discussed concept for discounting approach to ensure offsets are surplus</li> </ul>	<ul style="list-style-type: none"> <li>Responded to three comment letters received pertaining to Regulation XIII</li> <li>Proposed two-tier NSR applicability test</li> </ul>	<ul style="list-style-type: none"> <li>Presented summary of NSR issues</li> <li>Discussed details of proposed second tier of the Federal NSR applicability test</li> </ul>

# Comment Letters



- Three comment letters were received from:
  - Latham & Watkins on behalf of the Regulatory Flexibility Group
  - Latham & Watkins on behalf of the Western States Petroleum Association (WSPA)
  - Los Angeles Department of Water and Power
- Detailed discussion of the comment letters and responses were provided at the June Regulation XIII Working Group Meeting
- Staff responses are available on the proposed rules webpage

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# Latham & Watkins on Behalf of Regulatory Flexibility Group and the Western States Petroleum Association (WSPA)

- Comments related to installation of Selective Catalytic Reduction (SCR)
  - Based on comments, staff recommended that ammonia slip limits that have been incorporated in source-specific rules will be removed and addressed during permitting through New Source Review
  - Staff discussed PM BACT requirements for refinery fuel gas requirements that result in an increase in PM10 emissions when installing SCR projects
    - Staff discussed initial comments from U.S. EPA and is still working on how this specific issue will be addressed
- Comments specific to Proposed Rule 1109.1 (refineries)
  - Staff committed to evaluate the impacts of SOx RECLAIM if it is sunset together with NOx RECLAIM
  - Staff also committed to considering alternative implementation approaches for Proposed Rule 1109.1

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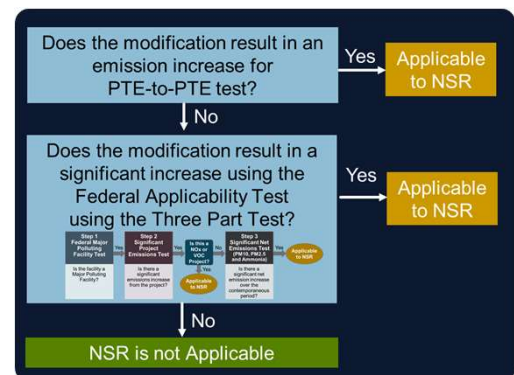
## LADWP Comment

- **Background:** U.S. EPA commented that South Coast AQMD must incorporate the federal New Source Review (NSR) applicability test for major source modifications that uses one of both of the following tests
  - Baseline Actual-to-Potential To Emit (PTE) test
    - More stringent than South Coast AQMD's current test of PTE-to-PTE and likely more sources subject to NSR requirements
  - Baseline Actual-to-Projected Actual test
    - In many situations, less stringent than South Coast AQMD's current test of PTE to PTE and likely less sources subject to NSR requirements
- LADWP was concerned that South Coast AQMD would adopt the more stringent Baseline Actual-to-PTE test for determining NSR applicability
- State law (SB 288) prohibits agencies from weakening its NSR program
  - Baseline Actual-to-Projected Actual Test could not be the sole test

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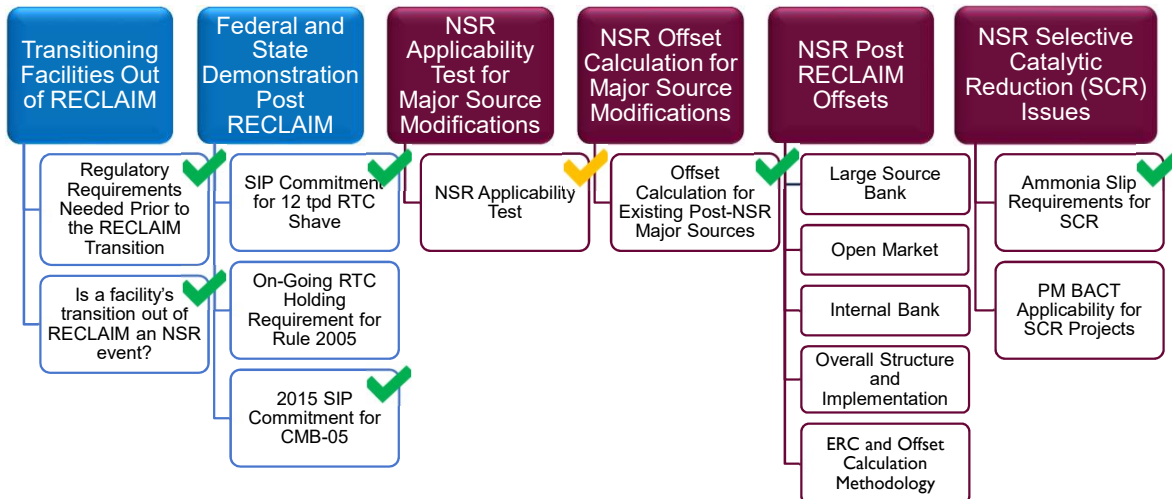
## Change to NSR Applicability Test for Major Source Modifications in Response to LADWP Comment

- **Response:** Staff proposed a two-tiered NSR applicability test for major polluting facilities modifying equipment
  - First Tier: Current NSR applicability test of PTE-to-PTE
  - Second Tier: Federal NSR applicability test of Baseline Actual-to-Projected Actual (only needed of project is not applicable to NSR under First Tier)
- First Tier relies on current applicability test and ensures Regulation XIII is not being weakened
- Second tier incorporates the Federal NSR applicability test to address U.S. EPA's comment



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## Overview and Summary of Status of RECLAIM and NSR Issues



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## Discussions with U.S. EPA

- Continuing ongoing discussions with U.S. EPA on RECLAIM and NSR issues
- Focus is primarily on
  - Large source bank
  - Offsets and discounting calculation method
  - Using percentage of PTE for orphan shutdowns
  - PM BACT for SCR for refinery projects
  - NSR applicability test



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# RECLAIM Transition Plan – Version 2.0

- Staff is working on second version of RECLAIM Transition Plan
  - Provide update on current approach for RECLAIM transition
  - Provide update on adoption/amendment of landing rules
  - Discussion of NSR issues
    - Applicability and offsetting revisions for major sources
    - Availability of offsets
    - Concepts and approaches to reduce the demand and increase the supply of offsets post-RECLAIM transition
- Anticipate completion Fall/Winter 2020 – Resource challenges



## Emission Reductions



Rules 1146, 1146.1, 1146.2 – Boilers, heaters, and steam generators

0.27  
tons per day\*



Rule 1135 - Electric Generating Facilities

1.7  
tons per day\*



Rule 1118.1 - Non Refinery Flares

0  
tons per day\*



Rule 1110.2 - Gaseous- and Liquid-Fueled Engines

0.29  
tons per day\*



Rule 1134 - Gas Turbines

1.8  
tons per day\*



Rule 1117 – Container Glass Melting/Sodium Silicate Furnaces

0.57  
tons per day\*

Total NOx Reductions = 4.63 tons per day\*

\*Sum of NOx reductions from RECLAIM facilities only

## Rules Under Development



PAR 218/218.1 and  
PR 218.2/218.3 – Continuous  
Emissions Monitoring Systems

Public Hearing: 1<sup>st</sup> Quarter 2021



PAR 1147 – Miscellaneous  
Combustion Sources

Public Hearing: December 2020



PR 1147.1 – Aggregate  
Facilities

Public Hearing: 1<sup>st</sup> Quarter 2021



PR 1147.2 – Metal Melting  
and Heating Furnaces

Public Hearing: 1<sup>st</sup> Quarter 2021



PR 1109.1 – Refinery  
Equipment

Public Hearing: 1<sup>st</sup> Quarter 2021



TBD – Nitric Acid Processing  
Tanks

TBD

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## On-Going Efforts and Next Steps

- Continue monthly RECLAIM Working Group and Regulation XIII New Source Review Working Group meetings
- Complete second version of RECLAIM Transition Plan
- Continue rulemaking activities
- Continue working with U.S. EPA, CARB and stakeholders on addressing RECLAIM and NSR issues related to the RECLAIM transition

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**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**  
**General Counsel's Office**  
**DRAFT**  
**Settlement Penalties Report (08/01/2020 - 08/31/2020)**

**Total Penalties**

Civil Settlement : \$1,145,492.00

Hearing Board Settlement : \$30,000.00

MSPAP Settlement : \$31,408.00

**Total Cash Settlements:** \$1,206,900.00

**Fiscal Year through 08/31/2020 Cash Total :** \$3,242,607.00

<b>Fac ID</b>	<b>Company Name</b>	<b>Rule Number</b>	<b>Settled Date</b>	<b>Init</b>	<b>Notice Nbrs</b>	<b>Total Settlement</b>
<b>Civil</b>						
183832	AST TEXTILE GROUP, INC.	2004, 2005, 2012	08/14/2020	DH	P65379, P66906, P66912, P66916	\$49,992.00
188623	CAL RETROFIT	1403, 40 CFR 60, QQQ	08/14/2020	BT	P67458, P67459	\$2,900.00
119219	CHIQUITA CANYON LLC	203, 3002	08/11/2020	DH	P67616	\$1,000.00
800037	DEMENNO-KERDOON DBA WORLD OIL RECYCLING	2004	08/14/2020	DH	P64424	\$1,200.00
189467	NAM AUTO BODY	109, 201, 203(a), 1151(e)(1)	08/27/2020	KER	P68610	\$500.00
8547	QUEMETCO INC	1420.1, 2004, 3002, 40 CFR 60, QQQ	08/27/2020	NSF	P52420, P64422, P67052, P67053, P67054	\$600,000.00
15504	SCHLOSSER FORGE COMPANY	1155, 1430, 2004, 3002(c)(1)	08/14/2020	VT	P63874, P64143, P67363	\$6,500.00
184301	SENTINEL PEAK RESOURCES CALIFORNIA, LLC	463(c), 2004(f)(1)	08/20/2020	DH	P67907	\$3,400.00

**DRAFT**

<b>Fac ID</b>	<b>Company Name</b>	<b>Rule Number</b>	<b>Settled Date</b>	<b>Init</b>	<b>Notice Nbrs</b>	<b>Total Settlement</b>
181667	TORRANCE REFINING COMPANY LLC	401, 1114, 1118, 1173, 1176, 3002, 40 CFR 60, QQQ	08/20/2020	DH	P65605	\$350,000.00
800026	ULTRAMAR INC	3002(c)(1)	08/14/2020	TB	P63377	\$30,000.00
111176	WESTERN RIVERSIDE CO REG WASTEWATER AUTH	402, H&S 41700	08/14/2020	MR	P52412, P52419, P61120, P63163, P63465, P63466, P63467, P63468, P63469, P63918, P64517, P64518, P64570, P64571, P64572, P64573, P64853, P65853, P65884, P66255, P66275, P66292, P66424, P66427, P66430, P67051	\$100,000.00

**Total Civil Settlements : \$1,145,492.00**

**Hearing Board**

104234	SCAQMD v. Mission Foods	202, 203(b), 1153.1, 1303	8/20/2020	KCM	5400-4	\$25,000.00
10966	WEBER METALS INC	1430	08/27/2019	DH	6136-1	\$5,000.00

**Total Hearing Board Settlements : \$30,000.00**

**MSPAP**

109142	AGRISCAPE SOILS	203(a)	08/05/2020	GC	P67426	\$800.00
134482	ALEX CLEANERS	203(a), 1421	08/27/2020	GC	P69507	\$850.00
168966	ALI'S ENTERPRISES, INC. 2	461, H&S 41960	08/05/2020	GC	P68415	\$360.00
167321	ANABI OIL, DBA WILLIAM HAWATMEH, PASADENA	461	08/06/2020	TCF	P70059	\$300.00
127384	CIRCLE K STORES INC. #2705786	461	08/27/2020	GC	P68126	\$1,063.00
181985	DINO STATION	461, H&S 41960	08/27/2020	GC	P68405	\$960.00
7018	L & N COSTUME SERVICES	1146	08/06/2020	TCF	P68755	\$750.00



**DRAFT**

<b>Fac ID</b>	<b>Company Name</b>	<b>Rule Number</b>	<b>Settled Date</b>	<b>Init</b>	<b>Notice Nbrs</b>	<b>Total Settlement</b>
164968	L.A.N. TESTING	1166	08/07/2020	TCF	P70355	\$1,000.00
126273	LUCKY CENTER CLEANERS, BYOUNG M LEE DBA	1421	08/07/2020	TCF	P68703	\$100.00
91211	MOBIL DLR, AMIR BARHOMA	461, H&S 41960.2	08/20/2020	TCF	P69050	\$900.00
191046	NAVARCHUS, LLC	1403, 40 CFR 60, QQQ	08/20/2020	TCF	P69204, P69212	\$1,600.00
143533	NEW CINGULAR WIRELESS PCS LLC	1470	08/07/2020	TCF	P69395	\$800.00
117724	OIL OPERATORS INC.	203(b)	08/07/2020	TCF	P66843	\$1,600.00
145971	PACIFIC MINI MARKET, PHILIP J. LAO DBA	461, H&S 41960.2	08/27/2020	TCF	P68454	\$2,000.00
102355	PCM INC/GOLDEN RAIN FOUNDATION	461(c)(3)(Q)	08/07/2020	TCF	P68764	\$300.00
177201	PREMIER INV GRP, INC. VENICE CHEVRON	201, 203(a)	08/27/2020	TCF	P68429	\$400.00
168554	PRISTINE FIDELITY ENTERPRISES	461, H&S 41960.2	08/27/2020	TCF	P69603	\$800.00
179739	PROPEL FUELS CMSI #109	461	08/27/2020	TCF	P69043	\$375.00
142501	PROSPECT CLEANERS, YANG KON KIM DBA	1421	08/27/2020	TCF	P68760	\$375.00
128235	PUENTE HILLS TOYOTA, INC.	203(b)	08/27/2020	TCF	P70259	\$375.00
190240	R A CONSTRUCTION	403(d)(2)	08/27/2020	TCF	P68858	\$800.00
149378	RIVERSIDE CO TRAVEL ZONE CENTER INC	461(c)(3)(Q)	08/27/2020	TCF	P66396	\$500.00
100806	ROBINSON HELICOPTER CO INC	3002	08/28/2020	TCF	P69954	\$500.00
175999	RUBBER RECOVERY, INC	203(b)	08/28/2020	TCF	P69390	\$1,000.00
100	RUSS BASSETT COMPANY	201, 203(a)	08/28/2020	TCF	P70253	\$1,000.00
184292	SENTINEL PEAK RESOURCES CALIFORNIA LLC	203	08/28/2020	TCF	P66511	\$1,000.00

# DRAFT

<b>Fac ID</b>	<b>Company Name</b>	<b>Rule Number</b>	<b>Settled Date</b>	<b>Init</b>	<b>Notice Nbrs</b>	<b>Total Settlement</b>
159612	SIGNATURE FLIGHT SUPPORT-VNY	461	08/28/2020	TCF	P67717	\$500.00
171593	SOUTH SHORE MOBIL NABIL KHEIR	461(c)(3)(Q)	08/28/2020	TCF	P69032	\$300.00
181224	SUNSET FUELS, INC	461(e)(2)(C)	08/28/2020	TCF	P69034	\$800.00
71051	SYSTEM TRANSPORT	1146.1	08/28/2020	TCF	P63898	\$3,200.00
171612	TESORO (US) 63270, TESORO REFINING & MAR	461, H&S 41960.2	08/20/2020	TCF	P69026	\$800.00
171549	TESORO (USA) 63133	461, H&S 41960.2	08/20/2020	TCF	P70352	\$800.00
117466	THREE SISTERS TRUCK STOP	461(e)(2)	08/20/2020	TCF	P66386	\$500.00
143057	UNITED NO. 1, LLC	461, H&S 41960	08/20/2020	TCF	P68430	\$800.00
151073	V-T WEST, INC. CALIFORNIA DIV.	203(b)	08/20/2020	TCF	P65900	\$500.00
175260	W & M, INC	1166	08/20/2020	TCF	P69048	\$500.00
189371	WHITTIER UNION HIGH SCHOOL DISTRICT	461(c)(3)(Q)	08/28/2020	TCF	P65874	\$300.00
27306	WINALL OIL CO #9	461	08/20/2020	TCF	P68432	\$1,600.00
31923	WORTMANN OIL COMPANY, INC.	461	08/20/2020	TCF	P70057	\$300.00
<hr/> <b>Total MSPAP Settlements : \$31,408.00</b> <hr/>						

**SOUTH COAST AQMD'S RULES AND REGULATIONS INDEX  
FOR AUGUST 2020 PENALTY REPORT**

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## **DRAFT**

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