

BOARD MEETING DATE: January 10, 2020

AGENDA NO. 12

REPORT: Rule and Control Measure Forecast

SYNOPSIS: This report highlights South Coast AQMD rulemaking activities and public hearings scheduled for 2020, and provides a summary of implementation of the 2016 AQMP in 2019.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:  
Receive and file.

Wayne Natri  
Executive Officer

PMF:SN:SR:AK:ZS

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## **2020 MASTER CALENDAR**

The South Coast AQMD is required by state law to publish a list of all rules potentially scheduled for consideration during the coming year. The Rule and Control Measure Forecast is expanded for this purpose and includes a list of the proposed and proposed amended rules scheduled for 2020. The 2020 Master Calendar provides a list of proposed or proposed amended rules for each month, with a brief description, and a notation in the third column indicating if the rulemaking is for the 2016 AQMP, Toxics, Assembly Bill 617 (AB 617) BARCT, AB 617 Community Emission Reduction Plan (CERP), or Other. Projected emission reductions will be determined during rulemaking. A summary update of the 2016 AQMP is provided after the 2020 Master Calendar.

The following symbols next to the rule number indicate if the rulemaking will be a potentially significant hearing, will reduce criteria pollutants, or is part of the RECLAIM transition. Symbols have been added to indicate the following:

- \* *This rulemaking is a potentially significant hearing.*
- + *This rulemaking will reduce criteria air contaminants and assist toward attainment of ambient air quality standards.*
- # *This rulemaking is part of the transition of RECLAIM to a command-and-control regulatory structure.*

## 2020 MASTER CALENDAR

Month	Title and Description	Type of Rulemaking
<b>February</b>		
1107	<p><b>Coating of Metal Parts and Products</b>                      Proposed Amended Rule 1107 will remove exemptions for certain categories consistent with comments from U.S. EPA.  <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP
<b>March</b>		
N/A	<p><b>Ports MOU/Potential Regulations</b>                      The proposed MOUs with the marine ports will implement the facility-based mobile source measure MOB-01 from the 2016 AQMP. In the event an agreement is not reached for an MOU approach with the ports, staff will pursue a regulatory approach.  <i>Zorik Pirveysian 909.396.2431; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB 617 CERP
<b>April</b>		
218*# 218.1	<p><b>Continuous Emission Monitoring</b>  <b>Continuous Emission Monitoring Performance Specifications</b>                      Proposed Amended Rules 218 and 218.1 will revise provisions for continuous emissions monitoring systems for non-RECLAIM facilities, and RECLAIM and former RECLAIM facilities that transition to a command-and-control regulatory structure.  <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP
445*	<p><b>Wood Burning Devices (PM 2.5 Contingency)</b>                      Proposed Amended Rule 445 will include contingency provisions in the event the region fails to attain the PM2.5 federal ambient air quality standards or to meet any reasonable further progress requirements.  <i>Tracy Goss 909.396.3106; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP
<b>May</b>		
Reg. III	<p><b>Fees</b>                      Proposed amendments to Regulation III will incorporate the Consumer Price Index adjustment to reflect inflation pursuant to Rule 320. Other proposed amendments may be needed to update and add fees associated with existing programs and implementation of new or revised programs.  <i>Ian MacMillan 909.396.3244; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other

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# Part of the transition of RECLAIM to a command-and-control regulatory structure

## 2020 MASTER CALENDAR (Continued)

Month	Title and Description	Type of Rulemaking
<b>May</b>		
2305 <sup>*+</sup>	<p><b>Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program</b></p> <p>Proposed Rule 2305 will reduce and facilitate local and regional emission reductions associated with warehouses and mobile sources attracted to warehouses.</p> <p style="text-align: center;"><i>Ian MacMillan 909.396.3244; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB 617 CERP
<b>June</b>		
1117 <sup>+#</sup>	<p><b>Emissions of Oxides of Nitrogen from Glass Melting Furnaces</b></p> <p>Proposed Amended Rule 1117 will establish NOx emission limits to reflect Best Available Retrofit Control Technology for glass melting furnaces and will apply to RECLAIM and non-RECLAIM facilities.</p> <p style="text-align: center;"><i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB 617 BARCT
1150.3 <sup>*+</sup>	<p><b>NOx Emission Reductions from Combustion Equipment at Landfills</b></p> <p>Proposed Rule 1150.3 will establish NOx emission limits for combustion equipment burning biofuels to reflect Best Available Retrofit Control Technology and include monitoring, reporting, and recordkeeping requirements at landfills.</p> <p style="text-align: center;"><i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB 617 BARCT
1179.1 <sup>*+</sup>	<p><b>NOx Emission Reductions from Combustion Equipment at Publicly Owned Treatment Work Facilities</b></p> <p>Proposed Rule 1179.1 will establish NOx emission limits for combustion equipment burning biofuels to reflect Best Available Retrofit Control Technology and include monitoring, reporting, and recordkeeping requirements at publicly owned treatment works.</p> <p style="text-align: center;"><i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB 617 BARCT

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# Part of the transition of RECLAIM to a command-and-control regulatory structure

**2020 MASTER CALENDAR (Continued)**

Month	Title and Description	Type of Rulemaking
August		
<p>1147*+ 1147.1*+  1100##</p>	<p><b>NOx Reductions from Miscellaneous Sources</b>  <b>NOx Reductions from Large Miscellaneous Combustion</b>  Proposed Rule 1147.1 will establish NOx emission limits to reflect Best Available Retrofit Control Technology for large miscellaneous combustion sources and will apply to RECLAIM and non-RECLAIM facilities. Proposed Amended Rule 1147 will remove equipment that will be regulated under Proposed Rule 1147.1 and, if needed, revise NOx emission limits to reflect current Best Available Retrofit Control Technology.</p> <p><b>Implementation Schedule for NOx Facilities</b>  Proposed Amended Rule 1100 will establish the implementation schedule for Rule 1147 and 1147.1 equipment at NOx RECLAIM and former NOx RECLAIM facilities.  <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	<p>Other/ AB 617 BARCT</p>
<p>1147*+ 1147.2*+  1100*#</p>	<p><b>NOx Reductions from Miscellaneous Sources</b>  <b>NOx Reductions from Metal Melting and Heat Treating Furnaces</b>  Proposed Rule 1147.2 will establish NOx emission limits to reflect Best Available Retrofit Control Technology for metal melting and heat treating furnaces and will apply to RECLAIM and non-RECLAIM facilities. Proposed Amended Rule 1147 will remove equipment that will be regulated under Proposed Rule 1147.2.</p> <p><b>Implementation Schedule for NOx Facilities</b>  Proposed Amended Rule 1100 will establish the implementation schedule for Rule 1147 and 1147.2 equipment at NOx RECLAIM facilities that are transitioning to command-and-control.  <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	<p>AQMP/ AB 617 BARCT</p>

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## 2020 MASTER CALENDAR (Continued)

Month	Title and Description	Type of Rulemaking
<b>August</b> (Continued)		
442.1 1107 1124 1136 1145 1171	<p><b>Usage of Solvent Coating of Metal Parts and Products Aerospace Assembly and Component Manufacturing Operations Wood Products Coatings Plastic, Rubber, Leather, and Glass Coatings Solvent Cleaning Operations</b></p> <p>Proposed Rule 442.1 will prohibit the sale, distribution, and application of materials that do not meet the VOC limits specified in Regulation XI rules. Proposed amendments may also be needed to prohibit circumvention of VOC limits in Rules 1107, 1124, 1136, 1145, and 1171.</p> <p style="text-align: center;"><i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
<b>September</b>		
1109*+## 1109.1*+##	<p><b>Emissions of Oxides of Nitrogen from Boilers and Process Heaters in Petroleum Refineries Reduction of Emissions of Oxides of Nitrogen from Refinery Equipment</b></p> <p>Proposed Rule 1109.1 will establish NOx emission limits to reflect Best Available Retrofit Control Technology for NOx emitting equipment at petroleum refineries and related operations, and include monitoring, reporting, and recordkeeping requirements. Rule 1109 is proposed to be rescinded.</p> <p style="text-align: center;"><i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB 617 BARCT/ AB 617 CERP
<b>October</b>		
1450*	<p><b>Control of Methylene Chloride Emissions</b></p> <p>Proposed Rule 1450 will reduce methylene chloride emissions from furniture stripping and establish monitoring, reporting, and recordkeeping requirements.</p> <p style="text-align: center;"><i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; and Socio: Ian MacMillan 909.396.3244</i></p>	Toxics
1469.1*	<p><b>Spraying Operations Using Coatings Containing Chromium</b></p> <p>Proposed Amended Rule 1469.1 will establish additional requirements to address hexavalent chromium emissions from spraying operations using chromium primers or coatings.</p> <p style="text-align: center;"><i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Toxics/ AB 617 CERP

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**2020 MASTER CALENDAR (Continued)**

<b>Month</b>	<b>Title and Description</b>	<b>Type of Rulemaking</b>
<b>November</b>		
1407.1*	<p><b>Control of Toxic Air Contaminant Emissions from Chromium Alloy Melting Operations</b></p> <p>Proposed Rule 1407.1 will establish requirements to reduce point source and fugitive toxic air contaminant emissions from metal melting operations.</p> <p><i>Michael Morris 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Toxics/ AB 617 CERP
1435*	<p><b>Control of Emissions from Metal Heat Treating Processes</b></p> <p>Proposed Rule 1435 will establish requirements to reduce point source and fugitive toxic air contaminants including hexavalent chromium emissions from heat treating processes. Proposed Rule 1435 will also include monitoring, reporting, and recordkeeping requirements.</p> <p><i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Toxics/ AB 617 CERP
<b>December</b>		
1147*+ 1147.3*+ #	<p><b>NOx Reductions from Miscellaneous Sources</b></p> <p><b>NOx Reductions for Equipment at Aggregate Facilities</b></p> <p>Proposed Rule 1147.3 will establish NOx emission limits to reflect Best Available Retrofit Control Technology for NOx equipment at aggregate facilities and will apply to RECLAIM and non-RECLAIM facilities. Proposed Amended Rule 1147 will remove equipment that will be regulated under Proposed Rule 1147.3.</p> <p><i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176 and Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB 617 BARCT
1426*	<p><b>Reduction of Toxic Air Contaminants from Metal Finishing Operations</b></p> <p>Proposed amendments to Rule 1426 will establish requirements to reduce nickel, cadmium, hexavalent chromium, and other air toxics from plating and related operations. Proposed Amended Rule 1426 will establish requirements to control point source and fugitive toxic air contaminant emissions.</p> <p><i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Toxics/ AB 617 CERP

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**2020 MASTER CALENDAR (Continued)**

Month	Title and Description	Type of Rulemaking
December (Continued)		
2202*	<p><b>On-Road Motor Vehicle Mitigation Options</b>                      Proposed Amended Rule 2202 will streamline implementation for regulated entities, as well as reduce review and administration time for South Coast AQMD staff. Concepts may include program components to facilitate achieving average vehicle ridership (AVR) targets.  <i>Carol Gomez 909.396.3264; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
Reg. XXIII*+	<p><b>Facility-Based Mobile Sources</b>                      Proposed rules within Regulation XXIII would reduce emissions from indirect sources (e.g., mobile sources that visit facilities). The rule or set of rules that would be brought for Board consideration would reduce emissions from railyards.  <i>Ian MacMillan 909.396.3244; CEQA: Jillian Wong 909.396.3176 Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ Toxics/ AB 617 CERP

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## 2020 To-Be-Determined

2020	Title and Description	Type of Rulemaking
209	<p><b>Transfer and Voiding of Permits</b> Staff may propose amendments to clarify requirements for change of ownership and permits and the assessment of associated fees. <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
219	<p><b>Equipment Not Requiring a Written Permit Pursuant to Regulation II</b> Proposed Amended Rule 219 will add or revise equipment not requiring a written permit. <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
222	<p><b>Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation II</b> Proposed Amended Rule 222 will add or revise equipment subject to filing requirements. <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
223	<p><b>Emission Reduction Permits for Large Confined Animal Facilities</b> Proposed Amended Rule 223 will seek additional ammonia emission reductions from large confined animal facilities by lowering the applicability threshold. Proposed amendments will implement BCM-04 in the 2016 AQMP. <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP
407 <sup>#</sup>	<p><b>Liquid and Gaseous Air Contaminants</b> Proposed Amended Rule 407 will update SO<sub>x</sub> emission limits to reflect Best Available Retrofit Control Technology, if needed, remove exemptions for RECLAIM facilities, and update monitoring, reporting, and recordkeeping requirements. <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AB 617 BARCT
425	<p><b>Odors from Cannabis Processing</b> Proposed Rule 425 will establish requirements for control of odors from cannabis processing. <i>Tracy Goss 909.396.3106; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
431.1 <sup>#</sup>	<p><b>Sulfur Content of Gaseous Fuels</b> Proposed Amended Rule 431.1 will assess exemptions, including RECLAIM, and update other provisions, if needed. <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AB 617 BARCT/ AB 617 CERP
431.2 <sup>#</sup>	<p><b>Sulfur Content of Liquid Fuels</b> Proposed Amended Rule 431.2 will assess exemptions, including RECLAIM, and update other provisions, if needed. <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AB 617 BARCT/ AB 617 CERP

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## 2020 To-Be-Determined (Continued)

2020	Title and Description	Type of Rulemaking
431.3 <sup>#</sup>	<p><b>Sulfur Content of Fossil Fuels</b>  Proposed Amended Rule 431.3 will assess exemptions, including RECLAIM, and update other provisions, if needed.  <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AB 617 BARCT/ AB 617 CERP
461	<p><b>Gasoline Transfer and Dispensing</b>  Proposed Amended Rule 461 will reflect information from CARB, corrections, revisions, and additions to improve the effectiveness, enforceability, and clarity of the rule.  <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ Toxics
462	<p><b>Organic Liquid Loading</b>  Proposed Amended Rule 462 will incorporate the use of advanced techniques to detect fugitive emissions and Facility Vapor Leak. Other amendments may be needed to streamline implementation and add clarity.  <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
463	<p><b>Organic Liquid Storage</b>  Proposed Amended Rule 463 will address the current test method and improve the effectiveness, enforceability, and clarity of the rule. Proposed amendments may also be needed to ensure consistency with Rule 1178.  <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
468 <sup>#</sup>	<p><b>Sulfur Recovery Units</b>  Proposed Amended Rule 468 will update SO<sub>x</sub> emission limits to reflect Best Available Retrofit Control Technology, if needed, remove exemptions for RECLAIM facilities, and update monitoring, reporting, and recordkeeping requirements.  <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AB 617 BARCT
469 <sup>#</sup>	<p><b>Sulfuric Acid Units</b>  Proposed Amended Rule 469 will update SO<sub>x</sub> emission limits to reflect Best Available Retrofit Control Technology, if needed, remove exemptions for RECLAIM facilities, and update monitoring, reporting, and recordkeeping requirements.  <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AB 617 BARCT
1101 <sup>#</sup>	<p><b>Secondary Lead Smelters/Sulfur Oxides</b>  Proposed Amended Rule 1101 will update SO<sub>x</sub> emission limits to reflect Best Available Retrofit Control Technology, if needed, remove exemptions for RECLAIM facilities, and update monitoring, reporting, and recordkeeping requirements.  <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AB 617 BARCT

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# Part of the transition of RECLAIM to a command-and-control regulatory structure

## 2020 To-Be-Determined (Continued)

2020	Title and Description	Type of Rulemaking
1105 <sup>#</sup>	<p><b>Fluid Catalytic Cracking Units SO<sub>x</sub></b>  Proposed Amended Rule 1105 will update SO<sub>x</sub> emission limits to reflect Best Available Retrofit Control Technology, if needed, remove exemptions for RECLAIM facilities, and update monitoring, reporting, and recordkeeping requirements.  <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AB 617 BARCT/ AB 617 CERP
1110.2 <sup>*+##</sup>	<p><b>Emissions from Gaseous - and Liquid-Fueled Engines</b>  Proposed amendments may be needed for Rule 1110.2 to incorporate possible comments by U.S. EPA for approval in the SIP and/or to address use of emergency standby engines for Public Safety Power Shutoff programs.  <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB 617 BARCT
1111	<p><b>Reduction of NO<sub>x</sub> Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces</b>  Proposed amendments may be needed for Rule 1111 to address furnaces used in high altitude areas and/or weatherized furnaces.  <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP
1113	<p><b>Architectural Coatings</b>  Amendments may be needed to clarify applicability of the rule with respect to distribution.  <i>Dave DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
1118 <sup>*</sup>	<p><b>Control of Emissions from Refinery Flares</b>  Proposed Amended Rule 1118 will revise provisions to further reduce flaring. The AB 617 Community Emission Reduction Plan has an emission reduction target to reduce flaring by 50 percent if feasible.  <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB 617 CERP
1119 <sup>#</sup>	<p><b>Petroleum Coke Calcining Operations – Oxides of Sulfur</b>  Proposed Amended Rule 1119 will update SO<sub>x</sub> emission limits to reflect Best Available Retrofit Control Technology, if needed, remove exemptions for RECLAIM facilities, and update monitoring, reporting, and recordkeeping requirements.  <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AB 617 BARCT/ AB 617 CERP
1121 <sup>*</sup>	<p><b>Control of Nitrogen Oxides from Residential Type, Natural-Gas-Fired Water Heaters</b>  Proposed amendments may be needed further reduce NO<sub>x</sub> emissions from water heaters.  <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP

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## 2020 To-Be-Determined (Continued)

2020	Title and Description	Type of Rulemaking
1133.3	<p><b>Emission Reductions from Greenwaste Composting Operations</b>  Proposed Amended Rule 1133.3 will seek additional VOCs and ammonia emission reductions from greenwaste and foodwaste composting. Proposed amendments will implement BCM-10 in the 2016 AQMP.</p> <p><i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP
1134	<p><b>Emissions of Oxides of Nitrogen from Stationary Gas Turbines</b>  Proposed Amended Rule 1134 will revise monitoring, reporting, and recordkeeping provisions to reflect amendments to Proposed Amended Rules 218 and 218.1 and possibly other amendments to address comments from U.S. EPA and to streamline implementation.</p> <p><i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB 617 BARCT
1135	<p><b>Emissions of Oxides of Nitrogen from Electricity Generating Facilities</b>  Proposed Amended Rule 1135 will revise monitoring, reporting, and recordkeeping provisions to reflect amendments to Proposed Amended Rules 218 and 218.1 and possibly other amendments to address comments from U.S. EPA.</p> <p><i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB 617 BARCT
1138	<p><b>Control of Emissions from Restaurant Operations</b>  Proposed Amended Rule 1138 will further reduce emissions from char boilers.</p> <p><i>Tracy Goss 909.396.3106; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP
1142	<p><b>Marine Tank Vessel Operations</b>  Proposed Amended Rule 1142 will address VOC and hydrogen sulfide emissions from marine tank vessel operations and provide clarifications.</p> <p><i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
1146 <sup>#</sup>	<p><b>Emissions of Oxides of Nitrogen from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters</b>  Proposed amendments to Rule 1146 may be needed to clarify provisions for industry-specific categories and to incorporate comments from U.S. EPA.</p> <p><i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other

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## 2020 To-Be-Determined (Continued)

2020	Title and Description	Type of Rulemaking
1146.1 <sup>#</sup>	<p><b>Emissions of Oxides of Nitrogen from Small Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters</b></p> <p>Proposed amendments to Rule 1146.1 may be needed to clarify provisions for industry-specific categories and to incorporate comments from U.S. EPA.</p> <p><i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
1146.2 <sup>#</sup>	<p><b>Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters</b></p> <p>Proposed Amended Rule 1146.2 will be revised to lower the NOx emission limit to reflect Best Available Retrofit Control Technology.</p> <p><i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB 617 BARCT
1148.1 <sup>*</sup>	<p><b>Oil and Gas Production Wells</b></p> <p>Proposed Amended Rule 1148.1 will evaluate exemptions under Rule 463 to harmonize implementation for low producers. Other proposed amendments may be needed to further reduce emissions from operations, implement early leak detection, odor minimization plans, and enhanced emissions and chemical reporting from oil and drilling sites consistent with the AB 617 Community Emission Reduction Plan.</p> <p><i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other/ AB 617 CERP
1148.2	<p><b>Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers</b></p> <p>Proposed amendments to Rule 1148.2 may be needed to improve notifications of well working activities to the community.</p> <p><i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other/ AB 617 CERP
1166	<p><b>Volatile Organic Compound Emissions from Decontamination of Soil</b></p> <p>Proposed Amended Rule 1166 will update requirements, specifically concerning notifications and usage of mitigation plans (site specific versus various locations).</p> <p><i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other

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# Part of the transition of RECLAIM to a command-and-control regulatory structure

## 2020 To-Be-Determined (Continued)

2020	Title and Description	Type of Rulemaking
1173	<p><b>Control of Volatile Organic Compound Leaks and Releases from Components at Petroleum Facilities and Chemical Plants</b></p> <p>Proposed revisions to Rule 1173 are being considered based on recent U.S. EPA regulations and CARB oil and gas regulations and revisions to improve the effectiveness, enforceability, and clarity of the rule. Other proposed amendments may be needed to further reduce emissions from operations, implement early leak detection, odor minimization plans, and enhanced emissions and chemical reporting from oil and drilling sites consistent with the AB 617 Community Emission Reduction Plan.</p> <p><i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other/ AB 617 CERP
1176	<p><b>VOC Emissions from Wastewater Systems</b></p> <p>Proposed Amended Rule 1176 will clarify the applicability of the rule to include bulk terminals under definition of "Industrial Facilities," and streamline and clarify provisions.</p> <p><i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other/ AB 617 CERP
1178	<p><b>Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities</b></p> <p>Proposed Amended Rule 1178 will incorporate the use of more advanced detection methods for earlier leak detection and improve leak detection and repair programs for storage tanks to further reduce VOC emissions. Proposed amendments will implement one of the actions in the AB 617 Community Emission Reduction Plan.</p> <p><i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AB 617 CERP
1180	<p><b>Refinery Fenceline and Community Air Monitoring</b></p> <p>Revisions to Rule 1180 could be considered to clarify applicability including modification or removal of the threshold exemption for petroleum refineries from the requirements of the rule.</p> <p><i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
1403*	<p><b>Asbestos Emissions from Demolition/Renovation Activities</b></p> <p>Proposed Amended Rule 1403 will enhance implementation, improve rule enforceability, and align provisions with the applicable U.S. EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) and other state and local requirements as necessary.</p> <p><i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Toxics

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# Part of the transition of RECLAIM to a command-and-control regulatory structure

## 2020 To-Be-Determined (Continued)

2020	Title and Description	Type of Rulemaking
1415 1415.1	<p><b>Reduction of Refrigerant Emissions from Stationary Air Conditioning Systems, and Reduction of Refrigerant Emissions from Stationary Refrigeration Systems</b></p> <p>Proposed Amended Rules 1415 and 1415.1 will align requirements with the proposed CARB Refrigerant Management Program and U.S. EPA's Significant New Alternatives Policy Rule provisions relative to prohibitions on specific hydrofluorocarbons.</p> <p style="text-align: right;"><i>David De Boer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Other
1420	<p><b>Emissions Standard for Lead</b></p> <p>Proposed Amended Rule 1420 will update requirements to address arsenic emissions to close a regulatory gap between Rule 1420 and Rule 1407 - Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Ferrous Metal Melting Operations.</p> <p style="text-align: right;"><i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Toxics
1420.2	<p><b>Emission Standards for Lead from Metal Melting Facilities</b></p> <p>Proposed Amended Rule 1420.2 will update requirements to address arsenic emissions to close a regulatory gap between Rule 1420 and Rule 1407 - Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Ferrous Metal Melting Operations.</p> <p style="text-align: right;"><i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Toxics
1445	<p><b>Control of Toxic Emissions from Laser Arc Cutting</b></p> <p>Proposed Rule 1445 will establish requirements to reduce toxic metal particulate emissions from laser arc cutting.</p> <p style="text-align: right;"><i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Toxics
1469*	<p><b>Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations</b></p> <p>Proposed amendments to Rule 1469 may be needed to address use of chemical fume suppressants or other implementation issues.</p> <p style="text-align: right;"><i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Toxics
1470	<p><b>Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines</b></p> <p>Proposed Amended Rule 1470 will establish additional provisions to reduce the exposure to diesel particulate from new and existing small (<math>\leq 50</math> brake horsepower) diesel engines located near sensitive receptors. Proposed amendments may be needed to address use of engines during Public Safety Power Shutoffs.</p> <p style="text-align: right;"><i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Toxics

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# Part of the transition of RECLAIM to a command-and-control regulatory structure

**2020 To-Be-Determined (Continued)**

2020	Title and Description	Type of Rulemaking
1472	<p><b>Requirements for Facilities with Multiple Stationary Emergency Standby Diesel-Fueled Internal Combustion Engines</b>                      Proposed Amended Rule 1472 will remove provisions that are no longer applicable, update and streamline provisions, and assess the need for a Compliance Plans.  <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	Toxics
1480	<p><b>Toxics Monitoring</b>                      Proposed amendments to Rule 1480 may be needed to remove fee provisions if they are incorporated in Regulation III.  <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176 and Socio: Ian MacMillan 909.396.3244</i></p>	Toxics/ AB 617 CERP
Reg. XIII*#	<p><b>New Source Review</b>                      Proposed Amended Regulation XIII will revise New Source Review provisions to address facilities that are transitioning from RECLAIM to a command-and-control regulatory structure. Staff may be proposing a new rule within Regulation XIII to address offsets for facilities that transition out of RECLAIM.  <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP
Reg. XX*#	<p><b>RECLAIM</b>                      Proposed Amended Regulation XX will address the transition of RECLAIM facilities to a command and control regulatory structure  <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP

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# Part of the transition of RECLAIM to a command-and-control regulatory structure

**2020 To-Be-Determined (Continued)**

2020	Title and Description	Type of Rulemaking
Reg. II, IV, XIV, XI, XIX, XXIII, XXIV, XXX and XXXV	Various rule amendments may be needed to meet the requirements of state and federal laws, implement OEHHA’s 2015 revised risk assessment guidance, changes from OEHHA to new or revised toxic air contaminants or their risk values, address variance issues/technology-forcing limits, to abate a substantial endangerment to public health or additional reductions to meet SIP short-term measure commitments. The associated rule development or amendments include, but are not limited to, South Coast AQMD existing, or new rules to implement the 2012 or 2016 AQMP measures. This includes measures in the 2016 AQMP to reduce toxic air contaminants or reduce exposure to air toxics from stationary, mobile, and area sources. Rule adoption or amendments may include updates to provide consistency with CARB Statewide Air Toxic Control Measures, or U.S. EPA’s National Emission Standards for Hazardous Air Pollutants. Rule adoption or amendments may be needed to implement AB 617 including but not limited to BARCT rules, Community Emission Reduction Plans prepared pursuant to AB 617, or new or amended rules to abate a public health issue identified through ambient monitoring.	Other/ AQMP/ Toxics/ AB 617 BARCT/ AB 617 CERP

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# Part of the transition of RECLAIM to a command-and-control regulatory structure



The following is a summary of implementation of the 2016 AQMP in 2019.

**Summary of 2016 AQMP Implementation**

The 2016 AQMP was adopted in March 2017 and approved by the California Air Resources Board the same month. The 2016 AQMP included a comprehensive control strategy with specific control measures to attain upcoming ozone and PM2.5 National Ambient Air Quality Standards.

Staff continued working on fulfilling the Governing Board directive for the 2016 AQMP and Control Measure CMB-05 to require facilities in the REgional CLeAn Air Incentives Market (RECLAIM) Program to implement Best Available Retrofit Control Technology (BARCT). Adoption of these amendments are also needed to meet the requirements of AB 617. Regulation XX was amended to restrict new facilities from entering or exiting the RECLAIM program pursuant to guidance from U.S. EPA. In 2018 and 2019 seven rules (Rules 1110.2, 1118.1, 1134, 1135, 1146, 1146.1, and 1146.2) were amended as part of the BARCT implementation. The total emission reductions resulting from these six rules are 5.3 tpd which are anticipated to be achieved by 2024. Furthermore, eight additional rules (Rules 1109.1, 1117, 1147, 1147.1, 1147.2, 1147.3, 1150.3, and 1179.1) are currently under development and are scheduled for amendment / adoption in calendar year 2020. Table 1 provides a complete list of rules that have been adopted as part of the 2016 AQMP implementation.

**Table 1  
2016 AQMP Emission Reductions (tons per day) by Measure/Adoption Date**

Control Measure #	Control Measure Title	Adoption Date	Commitment		Adopted to be Achieved	
			2023	2031	2023	2031
<b>VOC EMISSIONS</b>						
<b>CTS-01</b>	Further Emission Reductions from Coatings, Solvents, Adhesives, and Sealants [R1168]	2017/2021	1.0	2.0	1.4	--
<b>FUG-01</b>	Improved Leak Detection and Repair	2019	2.0	2.0	--	--
<b>CMB-01</b>	Transition to Zero and Near-Zero Emission Technologies for Stationary Sources	2018	1.2	2.8	--	--
<b>CMB-03</b>	Emission Reductions from Non-Refinery Flares [R1118.1]	2018	0.4	0.4	0.014	--
<b>ECC-02</b>	Co-Benefits from Existing Residential and Commercial Building Energy Efficiency Measures	2018	0.07	0.3	--	--
<b>ECC-03</b>	Additional Enhancements in Reducing Existing Residential Building Energy Use	2018	0.2	0.3	--	--
<b>BCM-10</b>	Emission Reductions from Greenwaste Composting	2019	1.5	1.8	--	--
<b>MSC-02</b>	Application of All Feasible Measures	TBD	TBD	TBD	0.88*	
<b>TOTAL VOC REDUCTIONS</b>			<b>6.4</b>	<b>9.6</b>	<b>2.3</b>	<b>--</b>

**Table 1 (Continued)**  
**2016 AQMP Emission Reductions (tons per day) by Measure/Adoption Date**

Control Measure #	CONTROL MEASURE TITLE	Adoption Date	COMMITMENT		ADOPTED TO BE ACHIEVED	
			2021	2025	2021	2025
<b>PM2.5 EMISSIONS</b>						
<b>BCM-01</b>	Further Emission Reductions from Commercial Cooking	2018	0.0	3.3	--	--
<b>BCM-04</b>	Emission Reductions from Manure Management Strategies [NH3]	2019	0.26	0.2	--	--
<b>BCM-10</b>	Emission Reductions from Greenwaste Composting [NH3]	2019	0.1	0.1	--	--
<b>TOTAL PM2.5 REDUCTIONS</b>			<b>TBD</b>	<b>3.3</b>	--	--
<b>NOx EMISSIONS</b>						
<b>CMB-01</b>	Transition to Zero and Near-Zero Emission Technologies for Stationary Sources	2018	2.5	6.0	--	--
<b>CMB-02</b>	Emission Reductions from Replacement with Zero or Near-Zero NOx Appliances in Commercial and Residential Applications [R1111]	2018	1.1	2.8	0.01	--
<b>CMB-03</b>	Emission Reductions from Non-Refinery Flares [R1118.1]	2018	1.4	1.5	0.2	--
<b>CMB-04</b>	Emission Reductions from Restaurant Burners and Residential Cooking	2018	0.8	1.6	--	--
<b>CMB-05</b>	Further NOx Reductions from RECLAIM Assessment	2022	0.0	5.0	5.1**	--

**Table 1 (Continued)**  
**2016 AQMP Emission Reductions (tons per day) by Measure/Adoption Date**

Control Measure #	CONTROL MEASURE TITLE	Adoption Date	COMMITMENT		ADOPTED TO BE ACHIEVED	
			2021	2025	2021	2025
<b>Nox EMISSIONS (CONTINUED)</b>						
<b>ECC-02</b>	Co-Benefits from Existing Residential and Commercial Building Energy Efficiency Measures	2018	0.3	1.1	0.3***	--
<b>ECC-03</b>	Additional Enhancements in Reducing Existing Residential Building Energy Use	2018	1.2	2.1	--	--
<b>MOB-04</b>	Emission Reductions at Commercial Airports	2019	TBD	TBD	0.5	--
<b>MOB-10</b>	Extension of the SOON Provision for Construction/Industrial Equipment	Ongoing	1.9	1.9	****	TBD
<b>MOB-11</b>	Extended Exchange Program	Ongoing	2.9	1.0	TBD	TBD
<b>MOB-14</b>	Emission Reductions from Incentive Programs	Ongoing	11	7.8	5.9	TBD
<b>TOTAL NOx REDUCTIONS</b>			<b>23.1</b>	<b>31.0</b>	<b>12.1</b>	<b>TBD</b>

\* Includes emission reductions from Rule 1113 amendment adopted in February 2016, which was not reflected in the 2016 AQMP emission inventory.

\*\* Reflects emission reductions from Rules 1110.2, 1134, 1135 and 1146 series (adopted in 2018 and 2019). However, net reduction needs to take into account the RECLAIM shave as described in the 2015 amendment of Rule 2002. Part of these emission reductions resulting from non-RECLAIM facilities could be used to fulfill CMB-01 and CMB-02.

\*\*\* A linear extrapolation was used to estimate emission reductions from ECC-02 which are co-benefits from the adoption of State policies, such as SB350 and Title 24.

\*\*\*\* Estimated reductions for MOB-10 included in MOB-14.

South Coast AQMD has also taken several actions to implement the facility-based mobile source measures in the 2016 AQMP to achieve further reductions from mobile sources. On May 4, 2018, the South Coast AQMD Governing Board directed staff to pursue regulatory or voluntary approaches for some of the Basin's largest indirect sources: a voluntary Memorandum of Understanding (MOU) approach with marine ports and commercial airports and regulatory approaches for warehouses/distribution centers, railyards and new and re-development. The MOUs with the marine ports and commercial airports will implement the

facility-based mobile source measures MOB-01 and MOB-04 in the 2016 AQMP. The facility-based mobile source measure for commercial airports was adopted at the December 6, 2019 Governing Board meeting, with a projected NO<sub>x</sub> emission reductions of 0.52 and 0.37 tpd in 2023 and 2031, respectively. Development of other facility-based measures for the ports, warehouses, railyards, and new and re-development projects pursuant to the 2016 AQMP control measures MOB-01 through MOB-03 and EGM-01 will continue in 2020.

A key element of the 2016 AQMP is to make available private and public funding to help further the development and deployment of the advanced cleaner technologies such as zero emission and near-zero emission technologies, and also achieve co-benefits from existing programs (e.g., climate and energy efficiency). On January 4, 2019, the South Coast AQMD Governing Board awarded funding to 27 emission reduction incentive projects, totaling over \$47 million (with funding from several South Coast AQMD mitigation and penalty funds) to support the 2016 AQMP's goals. Of the 27 projects, 16 would implement commercially available zero or near-zero control technologies or support infrastructure for implementation of cleaner fuels. These projects are anticipated to result in approximately 88 tons per year of NO<sub>x</sub> and 2 tons per year of PM<sub>2.5</sub> emissions reductions in the Basin, with the majority of the projects implemented in environmental justice communities. Additionally, 11 stationary and mobile source technology demonstration projects were also funded. Upon successful demonstration and deployment, these projects have the potential to provide additional long-term NO<sub>x</sub> and VOC emission reductions. The awarded projects are consistent with the commitments in various 2016 AQMP control measures including MOB-14, CMB-02, CMB-04, and ECC-03. To estimate the benefits of zero and near-zero emission technology in the residential and commercial sectors, staff has also been developing an emissions tool to estimate changes in criteria and GHG emissions and costs associated with upgrades in residential and commercial appliances. The Net Emissions Analysis Tool (NEAT), currently under development, will assist in implementing control measures CMB-02 and ECC-03, which seek emission reductions with zero and near-zero NO<sub>x</sub> appliances in commercial and residential applications, and integrate energy efficiency enhancements with criteria pollutants (e.g., NO<sub>x</sub>) and greenhouse gas emission reduction co-benefits. The NEAT tool is scheduled to be released in Spring 2020.

In addition, South Coast AQMD continues the implementation of ongoing mobile source programs such as Surplus Off-Road Opt-In for NO<sub>x</sub> (SOON), the extended exchange program, and incentive programs (e.g., Carl Moyer) specified in the 2016 AQMP control measures MOB-10 (Extension of the SOON Provision for Construction/Industrial Equipment), MOB-11 (Extended Exchange Program), and MOB-14 (Emission Reductions from Incentive Programs). The Mobile Source Incentive Programs listed in Table 2 includes the number of affected mobile source equipment and emission reductions in tons per year (tpy) for projects approved in year 2019.

**TABLE 2**  
**Summary of Board Approved 2019 Incentive Programs**

<b>Program</b>	<b>Funding Amount</b>	<b>Number of Equipment</b>	<b>NOx (tpy)</b>	<b>PM2.5 (tpy)</b>
Carl Moyer & SOON	\$33,903,879	133	337	2.6
Carl Moyer State Reserve	\$3,460,715	8	27	1.8
FARMER	\$1,841,774	21	31	1.9
AB 617 Community Air Protection Program (CAPP) Incentives	\$68,672,963	465	204	6
EFMP*	\$15,909,816	1940	27	---
Voucher Incentive (VIP)	\$4,235,000	100	70	0.52
<b>Total</b>	<b>\$128,024,147</b>	<b>2667</b>	<b>695</b>	<b>12.82</b>

*\*Year to date as of December 6, 2019*