

BOARD MEETING DATE: January 4, 2019

AGENDA NO. 15

REPORT: Rule and Control Measure Forecast

SYNOPSIS: This report highlights SCAQMD rulemaking activities and public hearings scheduled for 2019, and provides a summary of implementation of the 2016 AQMP.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:
Receive and file.

Wayne Nastri
Executive Officer

PMF:SN:AF:EG

2019 MASTER CALENDAR

The SCAQMD 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 2019. This constitutes a revision to the 2019 rule calendar that was published in December 2018.

For each month, a description of the proposed rule or proposed amended rule is provided with a notation in the third column indicating if the rulemaking is for the 2016 AQMP, Toxics, AB 617 BARCT, or Other. Projected emission reductions will be determined during rulemaking. The following symbols next to the rule number indicate if the rulemaking will be a potentially significant hearing, reduce criteria pollutants, or part of the RECLAIM transition:

* *Potentially significant hearing*

+ *Reduce criteria air contaminants and assist toward attainment of ambient air quality standards*

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

2019 MASTER CALENDAR

Month	Title and Description	Type of Rulemaking
February		
1403*	Asbestos Emissions from Demolition/Renovation Activities 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. <i>David De Boer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Toxics
March		
110	Rule Adoption Procedures to Assure Protection and Enhancement of the Environment	Other
212	Standards for Approving Permits and Issuing Public Notice	
301	Permitting and Associated Fees	
303	Hearing Board Fees	
306	Plan Fees	
307.1	Alternative Fees for Air Toxics Emissions Inventory	
309	Fees for Regulation XVI and Regulation XXV	
315	Fees for Training Classes and License Renewal	
510	Notice of Hearing	
515	Findings and Decision	
518.2	Federal Alternative Operating Conditions	
812	Notice of Hearing	
1309	Emission Reduction Credits and Short Term Credits	
1310	Analysis and Reporting	
1605	Credits For The Voluntary Repair of On-Road Motor Vehicles Identified Through Remote Sensing Devices	
1610	Old-Vehicle Scrapping	
1620	Credits for Clean Off-Road Mobile Equipment	
1623	Credits for Clean Lawn and Garden Equipment	
1710	Analysis, Notice, and Reporting	
1714	Prevention of Significant Deterioration for Greenhouse Gases	
3006	Public Participation The above proposed amended rules will revise noticing requirements to reflect recent amendments to state law that allow certain public notices to be sent via electronic mail (email) and streamline other types of noticing requirements. <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	

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

2019 MASTER CALENDAR (Continued)[illegible]

* *Potentially significant hearing*

⁺ *Reduce criteria air contaminants and assist toward attainment of ambient air quality standards*

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

2019 MASTER CALENDAR (Continued)

Month	Title and Description	Type of Rulemaking
June		
Reg. IX Reg. X	Standards of Performance for New Stationary Sources (NSPS) National Emission Standards for Hazardous Air Pollutants (NESHAPS) Proposed amendments to Regulations IX and X are periodically made to incorporate by reference new or amended federal standards that have been enacted by U.S. EPA for stationary sources. Regulations IX and X provide stationary sources with a single point of reference for determining which federal and local requirements apply to their specific operations. <i>Carol Gomez 909.396.3264; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1480*	Toxics Monitoring Proposed Rule 1480 will establish requirements for ambient monitoring of certain metal toxic air contaminants. Proposed rule will establish applicability, on-ramps and off-ramps for ambient monitoring, and provisions to address high ambient levels. <i>Jillian Wong 909.396.3176 CEQA: Jillian Wong 909.396.3176 and Socio: Ian MacMillan 909.396.3244</i>	Toxics
July		
Reg. XIII** Reg. XX	New Source Review RECLAIM Proposed Amendments to Regulation XIII will revise New Source Review provisions to address facilities that are transitioning from RECLAIM to command-and-control. Staff may be proposing a new rule within Regulation XIII to address offsets for facilities that transition out of RECLAIM. Proposed Amendments to Regulation XX also are needed to coordinate amendments to Regulation XIII. <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP
1138*+	Control of Emissions from Restaurant Operations Proposed Amended Rule 1138 will reduce NOx emissions from establishments utilizing commercial cooking ovens, ranges, fryers, and charbroilers. <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP/ AB 617 BARCT
1450	Control of Methylene Chloride Emissions Proposed Rule 1450 will reduce methylene chloride emissions from furniture stripping and establish monitoring, reporting, and recordkeeping requirements. <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; and Socio: Ian MacMillan 909.396.3244</i>	Toxics

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

2019 MASTER CALENDAR (Continued)

Month	Title and Description	Type of Rulemaking
September		
1110.2*+##^	Emissions from Stationary Internal Combustion Engines Rule 1110.2 will update the NOx emission standard to reflect Best Available Retrofit Control Technology for RECLAIM and non-RECLAIM facilities. Proposed Rule 1110.2 will also establish an ammonia emission limit for pollution controls with ammonia emissions, and update monitoring, reporting, and recordkeeping requirements.	AQMP/ AB 617 BARCT
1100	Implementation Schedule for NOx Facilities Proposed Rule 1100 will establish the implementation schedule for 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>	
1147*+##	NOx Reductions from Miscellaneous Sources	Other/ AB 617 BARCT
1147.1	NOx Reductions from Large Miscellaneous Combustion 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 evaluate the existing NOx emission limits.	
1100	Implementation Schedule for NOx Facilities Proposed Rule 1100 will establish the implementation schedule for NOx RECLAIM facilities that are transitioning to command-and-control. <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	
October		
113*#	Monitoring, Reporting, and Recordkeeping (MRR) Requirements for NOx and SOx Sources Proposed Rule 113 will establish MRR requirements for facilities exiting RECLAIM and transitioning 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>	AQMP
218*#	Continuous Emission Monitoring	AQMP
218.1	Continuous Emission Monitoring Performance Specifications Proposed Amended Rule 218 will revise provisions for continuous emission monitoring systems for facilities exiting RECLAIM and transitioning 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>	

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

2019 MASTER CALENDAR (Continued)

Month	Title and Description	Type of Rulemaking
October <i>(Continued)</i>		
1109*+ 1109.1	<p>Emissions of Oxides of Nitrogen from Boilers and Process Heaters in Petroleum Refineries</p> <p>Reduction of Emissions of Oxides of Nitrogen from Refinery Equipment</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. Proposed Rule 1109.1 is an industry-specific rule, will establish an ammonia emission limit for pollution controls with ammonia emissions, and update monitoring, reporting, and recordkeeping requirements. Proposed Rule 1109.1 will replace Rule 1109.</p> <p><i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ BARCT (AB 617)
November		
N/A	<p>Airports MOU/Ports MOU/Potential Regulation</p> <p>The proposed MOUs with the marine ports and commercial airports will implement the facility-based mobile source measures MOB-01 and MOB-04 from the 2016 AQMP. In the event that the MOU approach with the ports or airports is not agreed on, staff will pursue a regulatory approach.</p> <p><i>Zorik Pirveysian 909.396.2431; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP
1147*+ 1147.2	<p>NOx Reductions from Miscellaneous Sources</p> <p>NOx Reductions from Metal Melting and Heat Treating Furnaces</p> <p>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><i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i></p>	AQMP/ AB617 BARCT
1435*	<p>Control of Emissions from Metal Heat Treating Processes</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

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2019 MASTER CALENDAR (Continued)

Month	Title and Description	Type of Rulemaking
December		
1117 ⁺⁺	Emissions of Oxides of Nitrogen from Glass Melting Furnaces Proposed Amended Rule 1117 will establish NO _x emission limits to reflect Best Available Retrofit Control Technology for glass melting furnaces and will apply to RECLAIM and non-RECLAIM facilities. <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP/ AB 617 BARCT
1147 ^{*++} 1147.3	NO_x Reductions from Miscellaneous Sources NO_x Reductions for Equipment at Aggregate Facilities Proposed Rule 1147.3 will establish NO _x emission limits to reflect Best Available Retrofit Control Technology for NO _x 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. <i>Michael Krause 909.396.2706 CEQA: Jillian Wong 909.396.3176 and Socio: Ian MacMillan 909.396.3244</i>	AQMP/ AB 617 BARCT
1150.3 ^{*+}	NO_x Emission Reduction from Combustion Equipment at Landfills Proposed Rule 1150.3 will establish NO _x emission limits for boilers, process heaters, furnaces, and engines to reflect Best Available Retrofit Control Technology at landfills. The proposed rule will also include implementation schedules and monitoring, recordkeeping, and reporting requirements. <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP/ AB 617 BARCT
1179.1 ^{*+}	NO_x Emission Reduction from Combustion Equipment at Publicly Owned Treatment Work Facilities Proposed Rule 1179.1 will establish NO _x emission limits for boilers, process heaters, furnaces, and engines to reflect Best Available Retrofit Control Technology at publicly owned treatment works. The proposed rule will also include implementation schedules and monitoring, recordkeeping, and reporting requirements. <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP/ AB 617 BARCT
1426 [*]	Reduction of Toxic Air Contaminants from Metal Finishing Operations Proposed amendments to Rule 1426 will establish requirements to reduce nickel, cadmium, hexavalent chromium, and other air toxics from plating operations. Proposed Amended Rule 1426 will establish requirements to control point source and fugitive toxic air contaminant emissions. <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Toxics

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2019 MASTER CALENDAR (Continued)

Month	Title and Description	Type of Rulemaking
December (Continued)		
Reg. XXIII* ⁺	Facility Based Mobile Sources 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 in this month would reduce emissions from warehouses and distribution centers, consistent with Control Measure MOB-03 from the 2016 AQMP. <i>Ian MacMillan 909.396.3244 CEQA; Jillian Wong 909.396.3176 Socio: Ian MacMillan 909.396.3244</i>	AQMP

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2019 To-Be-Determined

2019	Title and Description	Type of Rulemaking
102	Definition of Terms (VOC) Staff may propose amendments to Rule 102 to add or revise definitions in order to support amendments to other Regulation XI rules. <i>Carol Gomez 909.396.3264; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
209 301	Transfer and Voiding of Permits; Permitting and Associated Fees Staff may propose amendments to clarify requirements for change of ownership and permits and the assessment of associated fees.	Other
219	Equipment Not Requiring a Written Permit Pursuant to Regulation II 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>	Other
222	Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation II 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>	Other
223 1133.3	Emission Reduction Permits for Large Confined Animal Facilities Proposed Amended Rules 223 and 1133.3 will seek additional emission reductions from large confined animal facilities by lowering the applicability threshold. <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP
416	Odors from Kitchen Grease Processing Proposed Rule 416 will reduce odors from kitchen grease processing operations. The proposed rule will establish best management practices, and examine enclosure requirements for wastewater treatment operations and filter cake storage. <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
425	Odors from Cannabis Processing Proposed Rule 425 will establish requirements to control the odors from cannabis processing. <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
429	Start-Up and Shutdown Exemption Provisions for Oxides of Nitrogen Proposed Amendments to Rule 429 to address start-up/shutdown provisions related to the transition of NOx RECLAIM to a command-and-control regulatory program and if U.S. EPA requires updates to such provisions. <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other

2019 To-Be-Determined (Continued)

2019	Title and Description	Type of Rulemaking
445	Wood Burning Devices (PM 2.5 Contingency) Proposed Amendments to Rule 445 will include provisions for contingency in the event of failure to attain, or make reasonable further progress toward, the PM2.5 federal ambient air quality standards and other provisions. <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP
461	Gasoline Transfer and Dispensing Proposed Amendments to Rule 461 will reflect information from the California Air Resources Board, corrections, revisions and additions to improve the effectiveness, enforceability, and clarity of the rule. <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP/ Toxics
462	Organic Liquid Loading Proposed Amendments to Rule 462 will improve the effectiveness, enforceability, and clarity of the rule. <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
463	Organic Liquid Storage Proposed Amendments to Rule 463 will address the current test method and improve the effectiveness, enforceability, and clarity of the rule. <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
464	Wastewater Separators Proposed Amendments to Rule 464 will improve the effectiveness, enforceability, and clarity of the rule. <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1107	Coating of Metal Parts and Products Proposed Amended Rule 1107 will lower VOC emission limits for certain categories of coatings for metal parts and products and improve rule clarity and enforceability. <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP
1111.1	Reduction of NOx Emissions from Natural Gas Fired Commercial Furnaces (CMB-01) Proposed Rule 1111.1 will establish equipment-specific NOx emission limits and other requirements for the operation of commercial furnaces. <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP Other
1113	Architectural Coatings Proposed Amended Rule 1113 may be needed to remove the tBAc exemption and pCBtF as a VOC exempt compound based on guidance from the Stationary Source Committee. <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other

2019 To-Be-Determined (Continued)

2019	Title and Description	Type of Rulemaking
1118	Refinery Flares Proposed Amended Rule 1118 will revise provisions to improve the enforceability of the rule. <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1123	Refinery Process Turnarounds Proposed Amended Rule 1123 will establish procedures that better quantify emission impacts from start-up, shutdown or turnaround activities. <i>Michael Krause 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP
1135	Emissions of Oxides of Nitrogen from Electricity Generating Facilities Proposed Amended Rule 1135 will revise monitoring, reporting, and recordkeeping provisions to reflect amendments to Proposed Rule 113 and possibly other amendments to address comments from U.S. EPA. <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1136	Wood Products Coatings Proposed Amended Rule 1136 will revise VOC limits for wood product coatings and other clarifications. <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP
1142	Marine Tank Vessel Operations Proposed Amended Rule 1142 will address VOC emissions from marine tank vessel operations and provide clarifications. <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1146.2	Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters Proposed Amended Rule 1146.2 may be revised to lower the NOx emission limit to reflect a Best Available Retrofit Control Technology assessment. <i>Michael Morris 909.396.3282; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP/ AB617 BARCT
1148.1 1148.2	Oil and Gas Production Wells Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers Proposed Amended Rules 1148.1 and 1148.2 may be revised to address community notification procedures, the inclusion of water injection wells, and potentially other measures based on an evaluation of information collected since the last rule adoption. Possibly other amendments to improve the enforceability. <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other

2019 To-Be-Determined (Continued)

2019	Title and Description	Type of Rulemaking
1149	Tank Degassing Proposed Amended Rule 1149 will improve the effectiveness, enforceability, and clarity of the rule. <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1148.3	Requirements for Natural Gas Underground Storage Facilities Proposed Rule 1148.3 will establish requirements to address public nuisance and VOC emissions from underground natural gas storage facilities. <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1150.1	Control of Gaseous Emissions from Municipal Solid Waste Landfills Proposed Amended Rule 1150.1 will address U.S. EPA revisions to the New Source Performance Standards for Municipal Solid Waste Landfills and Existing Guidelines and Compliance Timelines for Municipal Solid Waste Landfills, as well as CARB GHG requirements. <i>Ian MacMillan 909.396.3244; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1151	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations Proposed Amended Rule 1151 is considering removing the tBAC exemption and is evaluating the impact from removing pCBtF as a VOC exempt compound based on guidance from the Stationary Source Committee. <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1153.1	Emissions of Oxides of Nitrogen from Commercial Food Ovens Proposed Amendments to Rule 1153.1 may be needed to address applicability and technological feasibility of low-NOx burner technologies for new commercial food ovens. <i>Michael Krause 909.396.2706 CEQA: Jillian Wong 909.396.3176 and Socio: Ian MacMillan 909.396.3244</i>	AQMP/ AB 617 BARCT
1157	PM10 Emission Reductions from Aggregate Related Operations Proposed Amended Rule 1157 will remove outdated language, revise opacity requirements, and improve the effectiveness, enforceability, and clarity of the rule. <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1159.1	Nitric Acid Units – Oxides of Nitrogen Proposed Rule 1159.1 will address NOx emissions from processes using nitric acid and is needed as part of the transition of RECLAIM to command-and-control. <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP AB 617 BARCT

2019 To-Be-Determined (Continued)

2019	Title and Description	Type of Rulemaking
1166	VOC Emissions from Decontamination of Soil Proposed Amended Rule 1166 will revise notification provisions, improve the effectiveness, enforceability, and clarity of the rule. <i>Michael Morris 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1166	VOC Emissions from Decontamination of Soil Proposed Amended Rule 1166 will revise notification provisions, improve the effectiveness, enforceability, and clarity of the rule. <i>Michael Morris 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1173	Control of Volatile Organic Compound Leaks and Releases from Components at Petroleum Facilities and Chemical Plants 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. <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1190, 1191, 1192, 1193, 1194, 1195, 1196, & 1186.1	Fleet Vehicle Requirements Proposed amendments to fleet rules may be necessary to improve rule implementation. In addition, the current fleet rules may be expanded to achieve criteria pollutant and air toxic emission reductions pending new legislative authority. <i>Zorik Pirveysian 909.396.2431; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1304.2	California Public Utilities Commission Regulated Electrical Local Publicly Owned Electrical Utility Fee for Use of SO_x, PM₁₀ and NO_x Offsets Local Publicly Owned Electrical Generating Facility Fee for Use of SO_x, PM₁₀ and NO_x Offsets Proposed Rules 1304.2 and 1304.3 would allow new greenfield facilities and additions to existing electricity generating facilities conditional access to SCAQMD internal offset accounts for a fee, for subsequent funding of qualifying improvement projects consistent with the AQMP. <i>TBD; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1304.3		Other

2019 To-Be-Determined (Continued)

2019	Title and Description	Type of Rulemaking
1401	New Source Review of Toxic Air Contaminants Proposed Amended Rule 1401 may be revised to add, remove, or revise toxic air contaminants based on changes from OEHHA. <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Toxics
1402	Control of Toxic Air Contaminant Emissions from Existing Sources Proposed Amended Rule 1402 may be revised based on implementation of other toxic rules or programs. <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Toxics
1407.1	Control of Toxic Air Contaminant Emissions from Chromium Alloy Melting Operations Proposed Rule 1407.1 will establish requirements to reduce point source and fugitive toxic air contaminant emissions from metal melting operations. <i>Michael Morris 909.396.2706; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Toxics
1415 1415.1	Reduction of Refrigerant Emissions from Stationary Air Conditioning Systems, and Reduction of Refrigerant Emissions from Stationary Refrigeration Systems Amendments will align with the proposed CARB Refrigerant Management Program and U.S. EPA's Significant New Alternatives Policy Rule provisions relative to prohibitions on specific hydrofluorocarbons. <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1426	Emissions from Metal Finishing Operations Proposed Amended Rule 1426 will establish requirements to control point and fugitive toxic air contaminant emissions from metal finishing operations. <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Toxics
1430	Control of Emissions from Metal Grinding Operations at Metal Forging Facilities Proposed Amended Rule 1430 may be needed to establish requirements to reduce toxic air contaminant emissions from metal forging operations. <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Toxics
1445	Control of Toxic Emissions from Laser Arc Cutting Proposed Rule 1445 will establish requirements to reduce toxic metal particulate emissions from laser arc cutting. <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Toxics

2019 To-Be-Determined (Continued)

2019	Title and Description	Type of Rulemaking
1469.1	Spraying Operations Using Coatings Containing Chromium Proposed Amended Rule 1469.1 will establish additional requirements to address fugitive emissions from facilities that are conducting spraying operations using chromium primers or coatings to further reduce hexavalent chromium emissions. <i>Jillian Wong 909.396.3176; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Toxics
1470	Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines Proposed Amended Rule 1470 will establish additional provisions to reduce the exposure to diesel particulate from new and existing small (≤ 50 brake horsepower) diesel engines located near sensitive receptors. <i>David DeBoer 909.396.2329; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Toxics
1902	Transportation Conformity Proposed Amended Rule 1902 may be necessary to align the rule with current U.S. EPA requirements. <i>Ian MacMillan 909.396.3244; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
1905	Pollution Controls for Automotive Tunnel Vents Proposed Rule 1905 will address emissions from proposed roadway tunnel projects that could have air quality impacts. <i>Ian MacMillan 909.396.3244; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
2202	On-Road Motor Vehicle Mitigation Options Proposed Rule 2202 may be amended to address program streamlining for regulated entities, as well as reduce review and administration time for SCAQMD staff. Proposed Rule amendment concepts may include program components to facilitate the obtainment of average vehicle ridership (AVR) targets. <i>Carol Gomez 909.396.3264; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
Reg. XVI	Mobile Source Offset Programs Proposed Amendments to Regulation XVI rules will allow generation of criteria pollutant Mobile Source Emission Reduction Credits (MSERCs) from various on-road and off-road sources, such as on-road heavy-duty trucks, off-road equipment, locomotives, and marine vessels. Credits will be generated by retrofitting existing engines or replacing the engines with new lower-emitting or zero-emission engines. <i>Zorik Pirveysian 909.396.2431; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	AQMP

2019 To-Be-Determined (Continued)

2019	Title and Description	Type of Rulemaking
Reg. XVII	Prevention of Significant Deterioration(PSD) Proposed Amendments to Regulation XVII are being considered for possible revisions based on information from U.S. EPA. <i>Carol Gomez 909.396.3264; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
Reg. XXVII	Climate Change Changes may be needed to Regulation XXVII to add or update protocols for GHG reductions, and other changes. <i>Zorik Pirveysian 909.396.2431; CEQA: Jillian Wong 909.396.3176; Socio: Ian MacMillan 909.396.3244</i>	Other
Reg. II, IV, XIV, XI, 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, address variance issues/ technology-forcing limits, to abate a substantial endangerment to public health or additional reductions to meet the SIP short-term measure commitment. The associated rule development or amendments include, but are not limited to, SCAQMD existing rules, new or amended rules to implement the 2012 or 2016 AQMP measures. This includes measures in the 2010 Clean Communities Plan (CCP) or 2016 AQMP to reduce toxic air contaminants or reduce exposure to air toxics from stationary, mobile, and area sources. Rule adoption amendments may include updates to provide consistency with CARB Statewide Air Toxic Control Measures, U.S. EPA's National Emission Standards for Hazardous Air Pollutants, or implementation of AB 617.	Other/ AQMP

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

Summary of 2016 AQMP Implementation: The 2016 AQMP was adopted in March 2017 and approved by the California Air Resources Board in the same month. The purpose of the 2016 AQMP was to describe the control measures needed to attain the 2008 8-hour ozone standard (75 ppb), 2012 annual PM_{2.5} standard (12 µg/m³), 2006 24-hour PM_{2.5} standard (35 µg/m³) and provide an update in meeting the 1997 8-hour (80 ppb) and 1979 1-hour (120 ppb) ozone standards. The following summarizes emission reductions achieved and anticipated in the near-term.

- The emission reduction commitments are achieved through control measures to be adopted into rules or federally enforceable commitments (Table 1). As noted in Table 1, one control measure commitment, CTS-01, was fulfilled with the October 2017 amendment to Rule 1168 – Adhesive and Sealant Applications, resulting in a VOC reduction of 1.4 tons per day (tpd) by 2023, exceeding the commitment of 1.0 tpd in the 2016 AQMP.
- The Board has set a hearing in January 2019 to consider approval of Proposed Rule 1118.1 – Non-Refinery Flares that seeks to fulfill the purpose of CMB-03. During rule development, the emissions inventory was updated for the affected industry and the baseline emissions inventory was not as high as estimated in the AQMP, thus the estimated reductions to be achieved will fall short of the goal of the control measure. The rule, however, will satisfy RACT/RACM requirements to approve a measure targeting a source not yet regulated in our region.
- Approved amendments to Rule 1135 and the Rule 1146 series assisted in achieving the goals of control measure CMB-05 to transition RECLAIM facilities into command and control rules.

There are also a number of 2016 AQMP control measures for which development has been initiated in 2018, including rules (Rules 1109.1, 1110.2, 1118.1, 1134, 1135, 1146, 1146.1, 1146.2), incentive programs, and continuing implementation of ongoing mobile source programs such as Surplus Off-Road Opt-In for NO_x (SOON) exchange program and Carl Moyer, but those reductions have not yet been submitted into the State Implementation Plan (SIP) as they still need to be quantified, verified, and be shown to be compliant with U.S. EPA requirements.

A Request For Proposals (RFP) was issued to award a number of zero and near-zero stationary and mobile source emission reduction projects for which staff will seek SIP credit and assist in satisfying incentive control measures within CMB-01, CMB-02, CMB-04, ECC-02, ECC-04, and MOB-14. Program Guidelines and Source Guidelines for incentivized stationary source emission reduction projects, similar to the Carl Moyer Guidelines for mobile sources, need to be developed and adopted to ensure SIP credit. In addition, staff has been developing an emissions tool to estimate changes in criteria and GHG emissions and costs associated with upgrades in commercial and residential appliances, in conjunction with installation of zero and near-zero emission technologies. The Net Emissions Analysis Tool (NEAT) will assist in implementing control measures

CMB-02 and ECC-03, which seek emission reductions with zero and near-zero NOx appliances in commercial and residential applications, and integrate energy efficiency enhancements with criteria pollutant (e.g., NOx) co-benefits.

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
VOC EMISSIONS						
CTS-01	Further Emission Reductions from Coatings, Solvents, Adhesives, and Sealants [R1168]	2017/2021	1.0	2.0	1.4	--
FUG-01	Improved Leak Detection and Repair	2019	2.0	2.0	--	--
CMB-01	Transition to Zero and Near-Zero Emission Technologies for Stationary Sources	2018	1.2	2.8	--	--
CMB-03	Emission Reductions from Non-Refinery Flares [R1118.1]	2018	0.4	0.4	0.014	--
ECC-02	Co-Benefits from Existing Residential and Commercial Building Energy Efficiency Measures	2018	0.07	0.3	--	--
ECC-03	Additional Enhancements in Reducing Existing Residential Building Energy Use	2018	0.2	0.3	--	--
BCM-10	Emission Reductions from Greenwaste Composting	2019	1.5	1.8	--	--
TOTAL VOC REDUCTIONS			6.4	9.6	1.4	--

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	
			2023	2031	2023	2031
NOx EMISSIONS						
CMB-01	Transition to Zero and Near-Zero Emission Technologies for Stationary Sources	2018	2.5	6.0	--	--
CMB-02	Emission Reductions from Replacement with Zero or Near-Zero NOx Appliances in Commercial and Residential Applications	2018	1.1	2.8	--	--
CMB-03	Emission Reductions from Non-Refinery Flares [R1118.1]	2018	1.4	1.5	0.2	--
CMB-04	Emission Reductions from Restaurant Burners and Residential Cooking	2018	0.8	1.6	--	--
CMB-05	Further NOx Reductions from RECLAIM Assessment [R1135, R1146 series]	2022	0.0	5.0	0.8-2.0	--
ECC-02	Co-Benefits from Existing Residential and Commercial Building Energy Efficiency Measures	2018	0.3	1.1	--	--
ECC-03	Additional Enhancements in Reducing Existing Residential Building Energy Use	2018	1.2	2.1	--	--
MOB-10	Extension of the SOON Provision for Construction/Industrial Equipment	Ongoing	1.9	1.9	*	TBD
MOB-11	Extended Exchange Program	Ongoing	2.9	1.0	TBD	TBD
MOB-14	Emission Reductions from Incentive Programs	Ongoing	11	7.8	1.54	TBD
TOTAL NOx REDUCTIONS			23.1	31.0	2.5-3.7	TBD

TABLE 1 (Concluded)

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
PM2.5 EMISSIONS						
BCM-01	Further Emission Reductions from Commercial Cooking	2018	0.0	3.3	--	--
BCM-04	Emission Reductions from Manure Management Strategies [NH3]	2019	0.26	0.2	--	--
BCM-10	Emission Reductions from Greenwaste Composting [NH3]	2019	0.1	0.1	--	--
TOTAL PM2.5 REDUCTIONS			TBD	3.3	0.0	0.0

* Emission reductions included in MOB-14 (listed in Table 2)

2018 Rule Activities

In 2018, there were twelve amendments to rules approved by the SCAQMD Governing Board along with amendments to the Best Available Control Technology (BACT) Guidelines.

- One of the rules strengthened toxic regulations from hexavalent chromium emissions at chromium electroplating and chromic acid and anodizing operations.
- One rule has the potential to achieve VOC emission reductions by providing storage tank operators with an additional option for controlling VOC emissions from aboveground floating roof tanks.
- Seven rules addressed sources of NOx emissions including natural gas furnaces (2 amendments), electricity generating facilities, and boilers, steam generators, and process heaters (3 rules).
- Three rules focused on necessary administrative tasks such as fee updates, clarification of circumvention, and allowing any facility to exit RECLAIM so long as it meets certain specific criteria.

The natural gas furnaces are currently reducing less NOx emissions than originally projected in the 2007 AQMP, however, the shortfall is offset with a set aside account used in the modeling demonstrating attainment. The electricity generating facilities have the potential to reduce NOx emissions by 0.5 tpd after implementation of the BARCT limits. Non-refinery facilities with boilers, steam generators, and process heaters have the potential to reduce NOx emissions by 0.3 tpd after implementation of the BARCT limits.

2018 Ongoing Activities

In 2018, Planning and Rules staff continued working on fulfilling the Governing Board directive from the 2016 AQMP development and control measure CMB-05 to transition facilities in the Regional Clean Air Incentives Market (RECLAIM) Program to

command-and-control regulations. Accomplishing this task includes restricting new facilities into the RECLAIM program, and providing exit and opt-out provisions.

Planning and Rules staff also continued work on the development of facility-based measures for the Ports, warehouses, airports, railyards, and development projects pursuant to the 2016 AQMP control measures MOB-01 through MOB-04 and EGM-01. Planning and Rules staff continues to lead an effort to address concerns with the use of hydrogen fluoride at two refineries through numerous working groups, site visits, and presentations from a variety of stakeholders and interested parties. All of these activities will continue in year 2019.

Mobile Source Incentive Programs

Table 2 lists the number of affected mobile source equipment and emission reductions in tons per year (tpy) for projects approved in year 2018.

TABLE 2

Summary of SCAQMD's Board Approved 2018 Incentive Programs

Program	Funding Amount	No. of Equipment	NOx (tpy)	PM2.5 (tpy)
Carl Moyer & SOON	\$35,559,645	558	415	7.8
AB 134	\$49,060,072			
Near-Zero Trucks with CEC Grant, Ports, and AB 134 funds	\$14,000,000	140	63.2	–
Near-Zero Emission School Buses	\$35,638,000	206	27.1	1.5
EFMP	\$8,257,730	1,023	14.4	--
Voucher Incentive (VIP)	\$2,745,000	65	44.2	0.12
TOTAL	\$ 145,260,447	1,992	563.9	9.42