

BOARD MEETING DATE: January 5, 2018

AGENDA NO. 12

REPORT: Rule and Control Measure Forecast

SYNOPSIS: This report highlights SCAQMD rulemaking activities and public workshops potentially scheduled for 2018.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:
Receive and file.

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Executive Officer

PMF:SN:AF:RM

The following provides a summary of rulemaking activities and other AQMP-related programs in 2017.

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 is to demonstrate attainment of 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 emission reduction commitments are achieved through control measures to be adopted into rules or federally enforceable commitments that are provided in Table 1. As noted in the table, one control measure, CTS-01, included commitments for adoption in 2017 and 1.0 ton per day (tpd) of VOC reductions. This commitment was fulfilled with the October 2017 amendment to Rule 1168 – Adhesive and Sealant Applications, resulting in a VOC reduction of 1.4 tpd by 2023, exceeding the commitment in the 2016 AQMP. There are also a number of 2016 AQMP control measures for which development was initiated in 2017, including rules, incentive programs, and continuing implementation of ongoing mobile source programs such as the Surplus Off-Road Opt-In for NO_x (SOON) exchange program and Carl Moyer grant program, but those reductions have not yet been submitted into the State

Implementation Plan (SIP) as they need to be quantified, verified, and shown to be compliant with U.S. EPA requirements. The other control measures being developed into rules, such as CMB-03 (Non-Refinery Flares), are anticipated to be adopted and implemented in the upcoming years to fulfill the adoption schedule and emission reduction commitments in the 2016 AQMP, and thus achieve the federal air quality standards by the statutory deadlines.

TABLE 1

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

Control Measure #	CONTROL MEASURE TITLE	Adoption Date	COMMITMENT		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	--	--
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	--
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	--	--
CMB-04	Emission Reductions from Restaurant Burners and Residential Cooking	2018	0.8	1.6	--	--

NO_x EMISSIONS						
CMB-05	Further NO _x Reductions from RECLAIM Assessment	2022	0.0	5.0	--	--
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	TBD
MOB-11	Extended Exchange Program	Ongoing	2.9	1.0	TBD	TBD
MOB-14	Emission Reductions from Incentive Programs	Ongoing	11	7.8	TBD	TBD
TOTAL NO_x REDUCTIONS			23.1	31.0	TBD	TBD
PM_{2.5} EMISSIONS			COMMITMENT		ACHIEVED	
Control Measure #	CONTROL MEASURE TITLE	Adoption Date	2021	2025	2021	2025
BCM-01	Further Emission Reductions from Commercial Cooking	2018	0.0	3.3	--	--
BCM-04	Emission Reductions from Manure Management Strategies [NH ₃]	2019	0.26	0.2	--	--
BCM-10	Emission Reductions from Greenwaste Composting [NH ₃]	2019	0.1	0.1	--	--
TOTAL PM_{2.5} REDUCTIONS			TBD	3.3	0.0	0.0

2017 Rule Activities

There were twelve amendments to rules approved by the SCAQMD Board in 2017 along with the adoption of the 2016 AQMP. Five of the rules strengthened toxic regulations for lead, metal grinding, soils, and at new/modified facilities. One rule achieved VOC emission reductions by lowering VOC content limits from a variety of adhesive and sealant categories. Two rules addressed refinery operations such as reducing flare activity and requiring fenceline monitoring around refinery facilities. The latter rule could assist refineries in detecting and identifying possible leaks from equipment; however, it is a monitoring and disclosure rule so no emission reductions were quantified or assumed to occur as a result of implementation. One rule provided temporary relief from existing requirements with a permanent forgone NO_x emissions reduction of only 0.03 tons per day. Two rules focused on administrative topics such as fee updates and equipment exempt from permitting, and another rule mitigates odors from rendering facilities.

2017/2018 Ongoing Activities

In 2017, staff began work on fulfilling the 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. Work was also initiated 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. Staff are also leading 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 2018.

Mobile Source Incentive Programs

Table 2 summarizes efforts and emission reductions from several mobile source incentive programs for 2017.

TABLE 2
Summary of SCAQMD's Board Approved 2017 Incentive Programs¹

Program	Funding Amount	No. of Equipment	NOx (tpy)	PM2.5 (tpy)
Carl Moyer & SOON	\$27,354,682	410	190	7.9
AB 134	\$51,701,413	324	373	15.7
Proposition 1B*	\$62,640,000	589	274	2.7
Electric & CNG School Buses	\$10,089,867	41	5.4	0.3
Voucher Incentive (VIP)	\$2,325,000	49	33.2	4.1
TOTAL	\$136,190,386²	1,413	875.6	30.7

* The truck projects under Proposition 1B were approved in December 2016, but the contracts were executed in CY 2017.

In addition to the above programs, the Board approved \$9 million as partial funding for eleven Tier 4 locomotives for Metrolink from the AB 923 funds.

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The table below summarizes changes to the schedule since last month's Rule and Control Measure Forecast Report. Staff will continue to work with all stakeholders as these projects move forward.

1111	Reduction of NO_x Emissions from Natural Gas Fired, Fan-Type Central Furnaces
PAR 1111 is being moved from February to March. Staff will release the proposed rule that will be used to evaluate CEQA impacts and project alternatives, and provide the time required to satisfy the 45-day public review and comment period as well as respond to any public agency comments received no later than 10 days before the public hearing.	
1178	Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities
PAR 1178 is being moved from March to April to allow staff more time to work with stakeholders.	
1469	Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations
PAR 1469 is being moved from February to April in order to provide staff time to evaluate concerns regarding the toxicity of chemical fume suppressants and considerations for proposed requirements phasing out its use.	

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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.*

March	Title and Description	Type of Rulemaking
120	Credible Evidence Rule Proposed Rule 120 will allow any credible evidence to be used for the purpose of establishing that a person has violated or is in violation of any plan, order, permit, rule, regulation, or law. This rule will establish presumptively credible evidence. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
408	Circumvention Proposed Amended Rule 408 would require prior approval from the Executive Officer to use equipment or techniques to mitigate nuisance odors. The proposed amendment would also prohibit temporary alterations to normal business operations or equipment to dilute, suppress, or conceal detection during monitoring or testing. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1111 ⁺	Reduction of NOx Emissions from Natural Gas Fired, Fan-Type Central Furnaces Rule 1111 proposed amendments would extend the mitigation fee dates, increase the mitigation fee to encourage manufacturers to commercialize compliant units and add a rebate program to encourage consumers to purchase compliant units. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP

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April	Title and Description	Type of Rulemaking
1146	Emissions of Oxides of Nitrogen from Industrial, Institutional and Commercial Boilers, Steam Generators, and Process Heaters	Other
1146.1	Emissions of Oxides of Nitrogen from Small Industrial, Institutional and Commercial Boilers, Steam Generators, and Process Heaters	
1146.2*+##	Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters Amendments to Rules 1146, 1146.1, and 1146.2 will incorporate requirements for facilities that are in RECLAIM that are required to meet BARCT emission control levels.	
2001*+##	RECLAIM - Applicability Amendments to Rule 2001 are needed to reflect the transition of RECLAIM facilities to command and control.	
1100*+##	Implementation Schedule for NOx Facilities Rule 1100 will establish the implementation schedule for specific NOx RECLAIM facilities that are transitioning to command and control. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	
1178+	Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities Proposed Amended Rule 1178 will incorporate provisions to allow use of a flexible enclosure option allowed under the U.S. EPA Storage Tank Emission Reduction Partnership Program for floating roof storage tanks equipped with a slotted guide pole. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1469*	Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations Proposed Amended Rule 1469 will further reduce hexavalent chromium emissions by establishing new requirements for certain hexavalent chromium tanks that are currently not regulated and further address potential fugitive emissions from hexavalent chromium electroplating and chromic acid anodizing operations. <i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Toxics

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May		
Reg. III	Fees Amendments to Regulation III will incorporate the CPI adjustment to keep pace with inflation, pursuant to Rule 320, and proposed amendments may also make any other needed adjustments. <i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
Reg. XIII**	New Source Review Amendments to Regulation XIII are needed to address New Source Review provisions for facilities that exit RECLAIM. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
June		
1118.1*+##	Control of Emissions from Non-Refinery Flares Proposed Rule 1118.1 will seek to reduce emissions from flaring at non-refinery facilities, including alternate uses of gases. The rule would require use of flares that meet Best Available Control Technology at sources such as landfills, wastewater treatment plants, and oil and gas production facilities. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1100*+##	Implementation Schedule for NOx Facilities Rule 1100 will establish the implementation schedule for specific NOx RECLAIM facilities that are transitioning to command and control. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1403	Asbestos Emissions from Demolition/Renovation Activities Amendments to Rule 1403 will include specific requirements when conducting asbestos-emitting demolition/renovation activities at schools, daycare centers, and possibly establishments that have sensitive populations. Amendments may include other provisions to improve the implementation of the rule. <i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
July		
1110.2*+##	Emissions from Stationary Internal Combustion Engines Rule 1110.2 will be amended to incorporate provisions for facilities that are transitioning from NOx RECLAIM to command and control.	AQMP
1100*+##	Implementation Schedule for NOx Facilities Rule 1100 will establish the implementation schedule for specific NOx RECLAIM facilities that are transitioning to command and control. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	

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July (continued)	Title and Description	Type of Rulemaking
1410*	Hydrogen Fluoride Use at Refineries Proposed Rule 1410 will establish requirements for use of hydrogen fluoride at refineries. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Toxics
September		
1407* 1407.1*	Control of Emissions of Arsenic, Cadmium and Nickel from Non- Ferrous Metal Operations Proposed Rule 1407 will establish additional requirements to minimize air toxics from metal operations. Staff is analyzing sources subject to Rule 1407 and may develop a separate Rule 1407.1 for the largest sources subject to Rule 1407 and expand the applicability to address ferrous metal operations and hexavalent chromium emissions. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Toxics
1480*	Toxics Monitoring Proposed Rule 1480 will establish provisions for when ambient monitoring is required and the toxic air contaminants that will be monitored. <i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Toxics
October		
Reg. IX Reg. X	Standards of Performance for New Stationary Sources (NSPS) National Emission Standards for Hazardous Air Pollutants (NESHAPS) 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: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other

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October (continued)	Title and Description	Type of Rulemaking
1134*+ [#]	<p>Emissions of Oxides of Nitrogen from Stationary Gas Turbines Proposed Amended Rule 1134 will update the emission standard to incorporate Best Available Retrofit Control Technology and incorporate an implementation schedule for NOx facilities that are exiting RECLAIM.</p>	AQMP
1100*+ [#]	<p>Implementation Schedule for NOx Facilities Rule 1100 will establish the implementation schedule for other NOx RECLAIM facilities that are transitioning to command and control. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	
Reg. XVI	<p>Mobile Source Offset Programs Amendments to various Regulation XVI rules will be proposed to provide greater opportunity to reduce mobile source emissions and to obtain credit in the State Implementation Plan for these reductions where possible, including addressing the recent U.S. EPA proposed disapproval of Rule 1610. <i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Other
November		
1135*+ [#]	<p>Emissions of Oxides of Nitrogen from Electric Power Generating Facilities Proposed Amended Rule 1135 will incorporate requirements for electric power generating facilities that are to transition from NOx RECLAIM to command and control. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	AQMP
1100*+ [#]	<p>Implementation Schedule for NOx Facilities Rule 1100 will establish the implementation schedule for specific NOx RECLAIM facilities that are transitioning to command and control. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	
1435*	<p>Control of Emissions from Metal Heat Treating Processes Proposed Rule 1435 would establish requirements to reduce hexavalent chromium emissions from heat treating processes. <i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Toxics

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December	Title and Description	Type of Rulemaking
1109.1*+ [#]	Refinery Equipment Proposed Rule 1109.1 will establish requirements for refineries that are transitioning from RECLAIM to command and control. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1100*+ [#]	Implementation Schedule for NOx Facilities Rule 1100 will establish the implementation schedule for specific NOx RECLAIM facilities that are transitioning to command and control. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	
2202	On-Road Motor Vehicle Mitigation Options Proposed amendments to Rule 2202 would enhance emission reductions obtained from the Employee Commute Reduction Program (ECRP) rule option. <i>Carol Gomez 909.396.3264 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other

**2018 MASTER CALENDAR
2018 To-Be-Determined**

To-Be-Determined	Title and Description	Type of Rulemaking
102	Definition of Terms Staff may propose amendments to Rule 102 to add or revise definitions in order to support amendments to other Regulation XI rules. <i>CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
113*#	Monitoring, Reporting, and Recordkeeping (MRR) Requirements for NO_x and SO_x Sources Proposed Rule 113 will establish MRR requirements for facilities exiting RECLAIM and transitioning to a command and control regulatory structure. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
218	Continuous Emission Monitoring Amendments to Rule 218 may be needed for facilities exiting RECLAIM and transitioning to a command and control regulatory structure. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	
218.1	Continuous Emission Monitoring Performance Specifications Amendments to Rule 218.1 may be needed for facilities exiting RECLAIM and transitioning to a command and control regulatory structure. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	
219	Equipment Not Requiring a Written Permit Pursuant to Regulation II It is periodically necessary to amend Rule 219 to remove or add certain exemptions for low-emission processes or equipment. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
223 ⁺	Emission Reduction Permits for Large Confined Animal Facilities Proposed Amended Rule 223 will seek additional emission reductions from large confined animal facilities by lowering the applicability threshold. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
224 ⁺	Incentives for Super-Compliant Technologies Proposed Rule 224 will outline strategies and requirements to incentivize the development, establishment and use of super-compliant technologies. It may be considered as a part of Rule 219 amendments or proposed as a separate incentive rule. <i>Zorik Pirveysian 909.396.3421 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
416*	Odors from Kitchen Grease Processing Proposed Rule 416 will reduce ambient odors created during kitchen grease processing operations. The proposed rule will establish best management practices, and examine enclosure requirements for wastewater treatment operations and filter cake storage. The proposed rule may also contain requirements for an Odor Mitigation Plan. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
429*+ [#]	Start-Up and Shutdown Exemption Provisions for Oxides of Nitrogen It may be necessary to amend Rule 429 to address start-up/shutdown provisions related to the transition of NO _x RECLAIM to a command and control regulatory program and if U.S. EPA requires updates to such provisions. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
430*	Breakdown Provisions This rule will be amended or replaced to address specific issues raised by U.S. EPA regarding start-ups or shutdowns associated with breakdowns. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1106 1106.1*+ [#]	Marine Coating Operations Pleasure Craft Coating Operations Rule 1106.1 is proposed to be rescinded; Rule 1106 would subsume the requirements of Rule 1106.1, revise VOC content limits for several categories in order to align limits with U.S. EPA Control Techniques Guidelines and other California air districts, and add new categories for several categories. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1107 ⁺	Coating of Metal Parts and Products Potential amendments to Rule 1107 would further reduce VOC emissions and improve rule clarity and enforceability. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1109*+ [#]	Emissions of Oxides of Nitrogen from Boilers and Process Heaters in Petroleum Refineries Amendments to Rule 1109 may be needed to establish BARCT emission limits for refineries that are exiting RECLAIM and subject to command and control rules. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP

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2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
1111.1 ⁺	Reduction of NOx Emissions from Natural Gas Fired Commercial Furnaces Proposed Rule 1111.1 will establish equipment-specific NOx emission limits and other requirements for the operation of commercial space heaters. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1113 ⁺	Architectural Coatings Depending on the final recommendations from the Scientific Review Panel for the Office of Environmental Health Hazard Assessment (OEHHA), staff may propose amendments to the tBAC exemption. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	
1117* ⁺⁺	Glass Melting Furnaces Proposed amendments will control NOx emissions from glass melting furnaces. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1123* ⁺	Refinery Process Turnarounds Proposed amendments will establish procedures that better quantify emission impacts from start-up, shutdown or turnaround activities. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1136* ⁺ 1450*	Wood Products Coatings Amendments may be proposed to existing rule limits and other provisions. Control of Methylene Chloride Emissions The proposed rule would reduce exposure to methylene chloride from furniture stripping, remove potential regulatory loopholes, achieve emission reductions where possible and cost effective, include reporting requirements, and improve consistency with other SCAQMD VOC rules. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP Toxics
1142*	Marine Tank Vessel Operations Proposed revisions to Rule 1142 would address VOC emissions from marine tank vessel operations and provide clarifications. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1147.1* ⁺⁺	Large Miscellaneous Combustion Rule 1147.1 will include large miscellaneous combustion sources currently at RECLAIM facilities. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1147.2* ⁺⁺	Metal Melting and Heat Treating Furnaces Proposed Rule 1147.2 will reduce NOx emissions from metal melting and heat treating furnaces. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
1147.3*+ [#]	Emission Reductions for Equipment at Aggregate Facilities Proposed Rule 1147.3 will reduce NO _x emissions from aggregate operations. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1148.1 1148.2	Oil and Gas Production Wells Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers Amendments to Rule 1148.2 may be needed 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. <i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</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: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1150.1	Control of Gaseous Emissions from Municipal Solid Waste Landfills Proposed amendments 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>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1151*+	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations Depending on the final recommendations from the Scientific Review Panel for the Office of Environmental Health Hazard Assessment (OEHHA), staff may propose amendments to the tBAC exemption. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1153.1*+	Emissions of Oxides of Nitrogen from Commercial Food Ovens Rule 1153.1 was adopted in November 2014 and established NO _x emission limits for various types of existing commercial food ovens on a specified compliance schedule. Amendments may be necessary to address applicability and technological feasibility of low-NO _x burner technologies for new commercial food ovens. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
1159.1* ⁺⁺	Nitric Acid Units - Oxides of Nitrogen Proposed Rule 1159.1 will address NO _x emissions from processes using nitric acid and is needed as part of the transition of RECLAIM to command and control. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
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. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1177 ⁺	Liquefied Petroleum Gas Transfer and Dispensing Potential amendments may be proposed to include additional sources of emissions from the dispensing and transfer of LPG. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1188 ⁺	VOC Reductions from Vacuum Trucks The proposed rule will establish VOC emission standards and other requirements associated with the operation of vacuum trucks not covered by Rule 1149 – Storage Tank and Pipeline Cleaning and Degassing. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1190, 1191, 1192, 1193, 1194, 1195, 1196, & 1186.1* ⁺	Fleet Vehicle Requirements Amendments to fleet rules may be necessary to improve rule implementation. In addition, the current fleet rules may be expanded to achieve additional air quality and air toxic emission reductions. <i>Zorik Pirveysian 909.396.2431 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1304.2* 1304.3*	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 (EGFs) conditional access to SCAQMD internal offset accounts for a fee, for subsequent funding of qualifying improvement projects consistent with the AQMP. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other Other

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
1415 1415.1	<p>Reduction of Refrigerant Emissions from Stationary Air Conditioning Systems, and Reduction of Refrigerant Emissions from Stationary Refrigeration Systems</p> <p>Amendments will align with proposed CARB Refrigerant Management Program and U.S. EPA's Significant New Alternatives Policy Rule provisions relative to prohibitions on specific hydrofluorocarbons (HFCs).</p> <p><i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Other
1426*	<p>Emissions from Metal Finishing Operations</p> <p>Proposed amendments to Rule 1426 will establish requirements to reduce nickel, cadmium and other air toxics from plating operations.</p> <p><i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Toxics
1430	<p>Control of Emissions from Metal Grinding Operations at Metal Forging Facilities</p> <p>Proposed amendments to Rule 1430 may be needed to reducing emissions from metal forging operations.</p> <p><i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Toxics
1445*	<p>Control of Toxic Emissions from Laser Arc Cutting</p> <p>Proposed Rule 1445 will establish requirements to reduce toxic metal particulate emissions from laser arc cutting.</p> <p><i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Toxics
1469.1*	<p>Spraying Operations Using Coatings Containing Chromium</p> <p>Proposed Amended Rule 1469.1 would establish additional requirements for facilities that are conducting spraying using chromium coatings to further reduce hexavalent chromium emissions.</p> <p><i>Jillian Wong 909.396.31 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Other
1470*	<p>Requirement for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines at Sensitive Receptors</p> <p>The proposal would address new and existing small (≤ 50 brake horsepower) diesel engines located near sensitive receptors such as schools, preschools, daycare centers and health care facilities. Staff is also considering amendments to minimize use of stationary diesel back-up engines that may include use of alternative power sources that are less polluting.</p> <p><i>CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Toxics
1902	<p>Transportation Conformity</p> <p>Amendments to Rule 1902 may be necessary to bring the SCAQMD's Transportation Conformity rule in line with current U.S. EPA requirements.</p> <p><i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Other

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
1905	Pollution Controls for Automotive Tunnel Vents This proposed rule would address emissions from proposed roadway tunnel projects that could have air quality impacts. <i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
Reg. XVII	Prevention of Significant Deterioration (PSD) Proposed amendments to Regulation XVII will align the SCAQMD's Prevention of Significant Deterioration program with federal requirements. <i>CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
Reg. XX*++	RECLAIM Amendments to rules within Regulation XX will be needed as facilities transition from RECLAIM to a command and control regulatory structure. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
Reg. XXIII	Facility Based Mobile Sources Regulation XXIII would contain rules related to reducing emissions from mobile sources that visit certain types of facilities. Facility types could include commercial airports, marine ports, rail yards, warehouses, and new and development projects. Regulation XXIII may include other sources as identified in the Final 2016 AQMP. <i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
Reg. XXV	Intercredit Trading Regulation XXV will contain rules to 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. The 2016 AQMP includes two measures that seek to accelerate early deployment of near-zero and zero emission on-road heavy-duty trucks and off-road equipment, through generation of MSERCs that could be used for purposes of recognizing mobile source emission reductions at facilities covered in the AQMP Facility-Based Measures. <i>Zorik Pirveysian 909.396.2431 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
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: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
Reg. II, IV, XI, XIV, XXX and XXXV, XXIV*+ #	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 welfare, address odor nuisance issues, air toxics, or to seek 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, and 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 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 amendments, proposed new source-specific, or industry-specific rules within Regulation XI may be needed to meet the requirements of AB 617 and the 2016 AQMP commitment to transition the RECLAIM program to a command and control regulatory structure. Amendments to Regulation XIV may be needed for implementation of AB 617.	Other/AQMP