

District Rule Making Processes & Rule Development Update

South Central Fresno
Community Steering Committee Meeting

July 8, 2020

Ongoing Review of Stationary Source Emissions

- To improve air quality, District continually reviews and updates stationary source regulations
 - Emissions reduced by over 90% since 1980s
 - Approved by CARB/EPA as “Most Stringent Measures”, “Best Available Retrofit Control Technology”, and other standards
 - Enforced through permits, emissions testing, ongoing inspections
- While mobile sources now make up majority of community air pollution and health risk, District committed to ongoing rigorous review of stationary source regulations to further reduce emissions in community
 - New *2018 PM2.5 Plan* for Valley
 - Expedited BARCT review under AB 617
 - AB 2588 Toxics Hot Spots facility risk evaluations

District Rules Reducing Emissions in SC Fresno

- Rule 1070 (Inspections)
- Rule 1080 (Stack Monitoring)
- Rule 1081 (Source Sampling)
- Rule 1160 (Emission Statements)
- Rule 2010 (Permits Required)
- Rule 2040 (Applications)
- Rule 2080 Conditional Approval)
- Rule 2201 (New and Modified Stationary Source Review Rule)
- Rule 2520 (Federally Mandated Operating Permits)
- Rule 2530 (Federally Enforceable Potential to Emit)
- Rule 4001 (New Source Performance Standards)
- Rule 4002 (National Emission Standards for Hazardous Air Pollutants)
- Rule 4101 (Visible Emissions)
- Rule 4102 (Nuisance)
- Rule 4201 (Particulate Matter Concentration)
- Rule 4202 (Incinerator Burning)
- Rule 4301 (Fuel Burning Equipment)
- Rule 4305 (Boilers, Steam Generators, and Process Heaters - Phase 2)
- Rule 4306 (Boilers, Steam Generators, and Process Heaters - Phase 3)
- Rule 4307 (Boilers, Steam Generators, and Process Heaters – 2.0 MMBtu/hr to 5.0 MMBtu/hr)
- Rule 4309 (Dryers, Dehydrators, and Ovens)
- Rule 4320 (Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater Than 5.0 MMBtu/hr)
- Rule 4352 (Solid Fuel Fired Boilers, Steam Generators, and Process Heaters)
- Rule 4354 (Glass Melting Furnaces)
- Rule 4455 (Components at Petroleum Refineries, Gas Liquids Processing Facilities, and Chemical Plants)
- Rule 4601 (Architectural Coatings)
- Rule 4602 (Motor Vehicles Assembly Coatings)
- Rule 4603 (Surface Coating of Metal Products, and Pleasure Crafts)
- Rule 4606 (Wood Products and Flat Wood Paneling Products Coating Operations)
- Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings)
- Rule 4612 (Motor Vehicle and Mobile Equipment Coating Operations)
- Rule 4621 (Gasoline Transfer Into Stationary Storage Containers, Delivery Vessels, and Bulk Plants)
- Rule 4622 (Gasoline Transfer Into Motor Vehicle Fuel Tanks)
- Rule 4623 (Storage of Organic Liquids)
- Rule 4624 (Transfer of Organic Liquid)
- Rule 4642 (Solid Waste Disposal Sites)
- Rule 4653 (Adhesives and Sealants)
- Rule 4661 (Organic Solvents)
- Rule 4684 (Polyester Resin Operations)
- Rule 4692 (Commercial Charbroiling)
- Rule 4701 (Internal Combustion Engines - Phase 1)
- Rule 4702 (Internal Combustion Engines)
- Rule 4703 (Stationary Gas Turbines)
- Rule 4801 (Sulfur Compounds)
- Rule 4901 (Wood Burning Heaters and Wood Burning Furnaces)
- Rule 7011 (Chromium Plating and Chromic Acid Anodizing Facilities)
- Rule 7012 (Hexavalent Chromium – Cooling Towers)
- Rule 8011 (General Requirements)
- Rule 8021 (Contraction, Demolition Excavation, Extraction, and Other Earthmoving Activities)
- Rule 8031 (Bulk Materials)
- Rule 8041 (Carryout and Trackout)
- Rule 8051 (Open Areas)
- Rule 8061 (Paved and Unpaved Roads)
- Rule 8071 (Unpaved Vehicle/Equipment Traffic Areas)

Update on Stationary Source Review for 2020 – 2018 PM2.5 Plan

- New 2018 PM2.5 Plan builds on existing air quality rules to further reduce emissions throughout the Valley
 - Comprehensive mobile and stationary source measures
- District moving forward with public engagement efforts for *2018 PM2.5 Plan* regulatory measures scheduled for consideration in 2020 timeframe
 - Existing rules currently reduce emissions by over 80-90%
 - Evaluating feasibility, cost-effectiveness, and socioeconomic impacts through public engagement process
 - Community input and involvement important

Update on Stationary Source Review for 2020 – 2018 PM2.5 Plan

Rule	Stationary/Area Source Category	Rule Development Status
4901	Wood burning fireplaces and heaters	<i>Completed: Adopted/enforced in 2019/20 winter season</i>
4311	Flares	Regulatory and public engagement process currently in progress – amendments scheduled for consideration in 2020
4306	Boilers, steam generators, and process heaters	
4702	Internal combustion engines	
4692	Under-fired charbroilers at commercial restaurants	

Update on Stationary Source Review for 2020 – AB 617 BARCT Review

- Best Available Retrofit Control Technology (BARCT) is an air emission limit for existing sources and is maximum degree of reduction achievable, taking into account environmental, energy and economic impacts
- AB 617 requires expedited BARCT review and implementation schedule for facilities in CARB's Cap and Trade Program
 - District adopted schedule in December 2018
 - 109 facilities in San Joaquin Valley subject to expedited BARCT review
 - 2 facilities in AB 617 South Fresno community
 - 19 rules already found to meet BARCT
 - 13 rules scheduled for additional review and rulemaking in 2020-2022 timeframe as necessary

Update on Stationary Source Review for 2020 – AB 617 BARCT Review

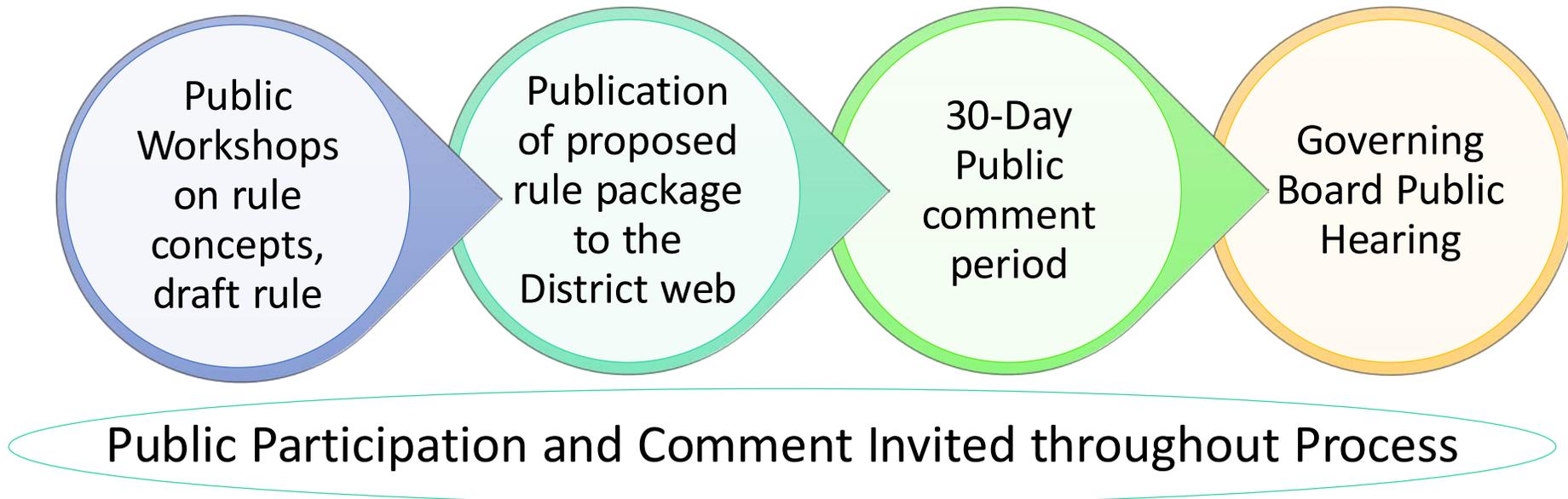
Rule	Stationary Source Category	BARCT Status
4454	<i>Refinery Process Unit Turnaround</i>	<i>Meets BARCT</i>
4641	<i>Cutback, Slow Cure, And Emulsified Asphalt, Paving And Maintenance Operation</i>	<i>Meets BARCT</i>
4104	<i>Reduction of Animal Matter</i>	<i>Meets BARCT</i>
4409	Components at Light Crude Oil Production Facilities, Natural Gas Production Facilities, and Natural Gas Processing Facilities	Rule development public process to evaluate/implement additional BARCT requirements commencing 2020
4455	Components at Petroleum Refineries, Gas Liquids Processing Facilities, and Chemical Plants	
4623	Storage of Organic Liquids	
4624	Transfer of Organic Liquid	

Update on Stationary Source Review for 2020 – AB 617 BARCT Review

Rule	Stationary Source Category	BARCT Determination Status
4702	Internal Combustion Engines (VOC only)	BARCT evaluation in progress and scheduled for 2020 completion
4694	Wine Fermentation and Storage Tanks	BARCT evaluation in progress and scheduled for 2020 completion
4603	Surface Coating of Metal Parts and Products, Plastic Parts and Products, and Pleasure Crafts	BARCT evaluation in progress and scheduled for 2020 completion
4601	Architectural Coatings	BARCT evaluation in progress and scheduled for 2020 completion

District Rule Making Process

- District rules developed through transparent public process, with emphasis placed on providing opportunities for public engagement and feedback through workshops and comment periods
- Updates provided to Governing Board, Citizens Advisory Committee and Environmental Justice Advisory Group
- Evening workshops held, interpretation services available



Update on Facility Risk Assessment under AB 2588

- District's integrated air toxics program fulfills the state AB 2588 California's Air Toxics "Hot Spots" mandates
 - Quantifying and assessing localized health risk
 - Notifying affected residents, and
 - Reducing risk from facilities with high risk caused by air toxic emissions
- AB 2588 has resulted in major reductions in emissions of air toxics from stationary sources in Valley
- District reassessing all Valley facilities under AB 2588
 - Incorporate latest OEHHA risk assessment guidance changes
 - Toxics emission inventory plan and report, source testing
 - Risk assessment
 - Expedited reassessment for facilities located within South Central Fresno

Community Steering Committee Involvement

- Public workshops will be held in upcoming months for rulemaking projects - community engagement is essential to success
 - Next workshops scheduled in July (Zoom format)
- District staff will continue to work with the South Central Fresno Community Steering Committee to:
 - Provide periodic community updates on implementation progress
 - Providing updates on regulatory process and opportunities for providing community input
- In addition to CSC information, notification of upcoming public meetings for these rules and others is available through the District's email notification system at: <http://lists.valleyair.org/mailman/listinfo>