



AIR ISSUES & REGULATIONS COMMITTEE

A Committee of the Bay Area Clean Water Agencies

**BACWA Annual
Members Meeting
May 5, 2023**

AIR Committee Activities

- BAAQMD-BACWA Engagement
- Air Toxics
- Climate Pollutants
- Advanced Clean Fleets



BACWA-BAAQMD Implementation Workgroup

- Permitting Timelines
- Standard Permit Conditions
- Source Testing Concerns
- Engage in strategic planning with new Executive Officer



Dr. Philip Fine
New BAAQMD Executive Officer



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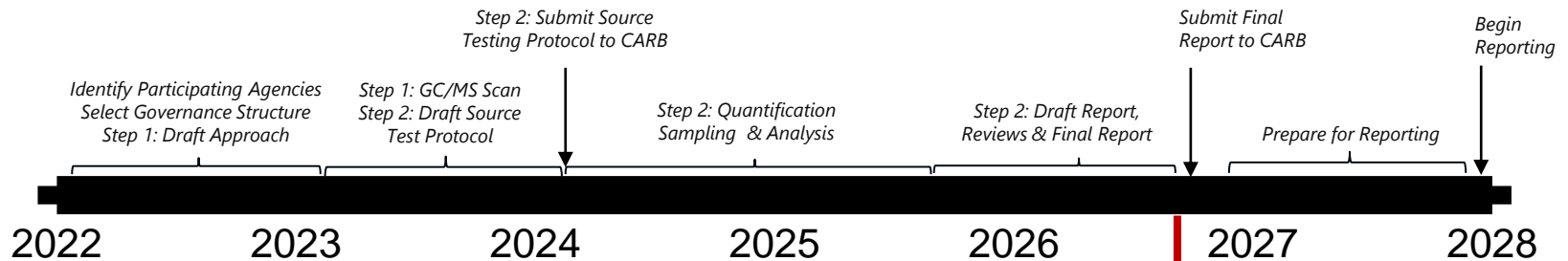
CARB Two-Step Process: Updates to Criteria Pollutants & Air Toxics Reporting

- AB 617 to “harmonize” air monitoring, reporting, & emission reductions from stationary sources across the state
- AB 2588 Hot Spots compound list >1,700 (from >500)
 - Unknown toxicity levels
 - Unknown emission factors
 - Many are not relevant to WWTPs
- Report business-as-usual through 2028 (reporting begins 2029 for 2028 data)
- Perform “two-step process” for determining shortlist of compounds and emission factors (to be used by local air districts)
- Meeting with BAAQMD to coordinate

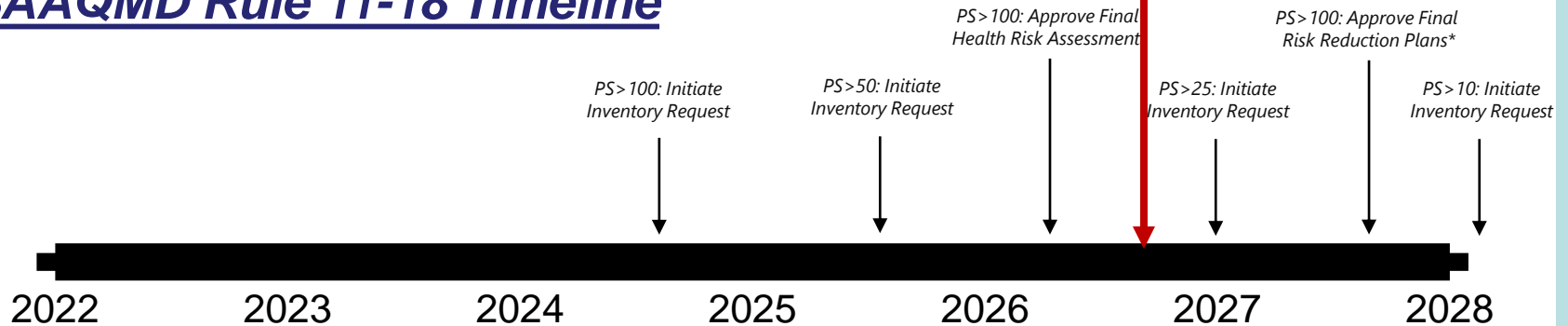


Timing of CARB Two-Step Process & BAAQMD Rule 11-18 Implementation

CARB AB 617 Two-Step Process Timeline



BAAQMD Rule 11-18 Timeline



*If applicable.

Summary

- Actions led by CASA Air Toxics Subgroup, meeting monthly
- CASA to serve as fiscal agent in coordination with regional associations
- CASA outreach to Air Districts, CAPCOA, and CARB is underway – need to develop an approvable approach for Steps 1 and 2
- Drafted the list of compounds and looking into performing preliminary scanning at individual facilities in Bay Area, Central Valley, South Coast
- CASA held kick-off meeting w/ CARB April 25th



Next Steps

- Governing structure to be determined
- Finalize list of participating agencies, shows 100+ facilities:
 - >10 MGD, covered primaries
 - >5 MGD, uncovered primaries
- Refine cost per participating agency (estimated @ ~\$2,000/permitted ADWF MGD)
 - CARB stated all permitted facilities must perform the two-step process, either as a group or individually
- Participating in the group will be more:
 - Cost-effective
 - Time-efficient
 - Will result in a uniform approach to compliance



Revisiting Proposed BAAQMD Regulation 13: Climate Pollutants

Rule Development Suspended due to COVID-19

Rule	Notes
13-1: Significant Methane Releases	Tabled indefinitely to focus on source-specific rules.
13-2: Organic Waste Handling	Draft was focused on organic material handling: Material Recovery Facilities, Transfer Facilities, Chip & Grind Facilities.
13-3: Composting Operations	Draft language was in development, not released.
13-4: Sewage Treatment & Anaerobic Digestion	BACWA provided input on draft language before suspension. Draft rule was to consider biogas produced/collected, minimizing other pollutants, flare requirements, record keeping, reporting requirements, etc. We worked to collect information from BACWA's membership on BMPs for methane management.
13-5: Hydrogen Plants	Focus on hydrogen production at petroleum refineries.

Adopted CARB Advanced Clean Fleet Regulations & Board Resolution

ACF regulations adopted April 28th

Public Fleets Regulation

State/local government agency, outside a low population county, w/ 11 or more vehicles in fleet:

- January 1, 2024, 50% of vehicle purchases in each calendar year must be ZEVs; and
- January 1, 2027, 100% of vehicle purchases in each calendar year must be ZEVs.

State/local government agency, within a low population county, or 10 or fewer vehicles in fleet:

- January 1, 2027, 100% of vehicle purchases in each calendar year must be ZEVs.

High Priority Fleets

Per the definitions and specific requirements, a federal or state/local agency can opt vehicles into this regulation, allowing for extended time to transition medium- and heavy-duty fleet vehicles, however:

- Limits trucks that are fueled by CNG to those in place as of January 1, 2024
- Does not provide time for sector to demonstrate biogas-to-hydrogen use in zero-emission technologies

Preparing a “cheat sheet” for folks to understand eligibility.



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Adopted CARB Advanced Clean Fleet Regulations & Board Resolution

*“...consistent with the latest Scoping Plan, the Board recognizes **that the successful implementation of the food waste diversion requirements and methane emissions reductions mandated by SB 1383 are critical to the State’s climate goals. The Board further recognizes that multiple reliable uses for non-fossil biomethane will be needed for successful implementation.** The Board recognizes the need for coordination meetings with other state agencies such as CEC, CPUC, State Water Resources Control Board, CalRecycle, CDFG, CNRA, **CalOSHA**, and other relevant stakeholders such as **the California Association of Sanitation Agencies and the California Air Pollution Control Officers Association**, to implement **SB 1383 and SB 1440**. As such, the Board directs staff to prioritize policy discussions related to **SB 1383 and SB 1440 implementation and discussions** on how to transition biomethane into hard to decarbonize sectors, or as a feedstock to produce hydrogen for FCEV fuel and to produce electricity to charge BEVs **to achieve the SB 1383 target. Furthermore, the Board directs staff to report back to the Board by the end of 2025 to provide an update on implementation, multiple uses of biomethane, including any regulatory actions needed.**”*



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Thank you!

Upcoming Meetings:

BACWA AIR Committee,
May 31st 10 am – Noon

CASA Air Quality, Climate Change & Energy (ACE) Workgroup
May 25th, 8:30 – 10:30 am

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