

Agenda

- Introductions
- GHG Updates
- AB 617 Bridging ARB & Local Air Districts
- BAAQMD Rule Updates
- San Jose's BAAQMD Permit Process
- Lunch
- Tour: SJ's Zero Waste Facility



INTRODUCTIONS



GHG Updates

- <u>SB 1383 Regulation</u> (short-lived climate pollutant reduction): Statewide Methane Reduction Organic Waste Diversion & Biogas Production
- BAAQMD Basin-Wide Methane Strategy
 - Rule 13-2: Large Methane Leaks
 - Composting & Organic Waste Operations
 - Wastewater and Anaerobic Digestion



SB 1383: SLCP Reduction Strategy Implementation

- Methane Reduction:
 - 40% by 2030 (relative to 2013)
- Organics Diversion from Landfills:
 - 50% by 2020 (relative to 2014)
 - 75% by 2025 (relative to 2014)



- Increase in Production/Use of Biogas:
 - State agencies to consider/adopt policies and incentives
 - CEC to incorporate in the 2017 Integrated Energy Policy Report
 - CPUC to consider policies in support of in-State biogas production/use
- Rule to be adopted by end of 2018

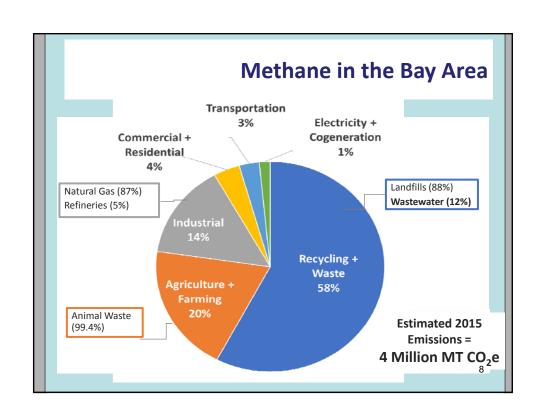


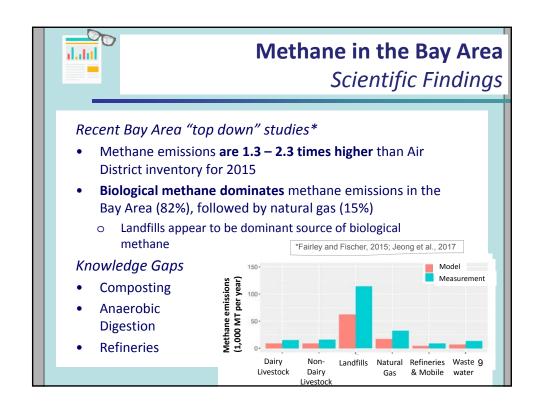
AIR ISSUES & REGULATIONS COMMITTEE

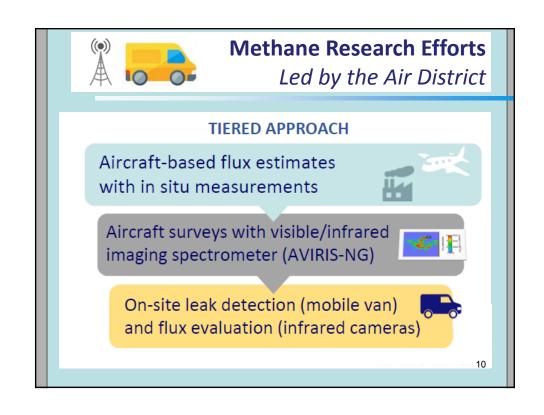
SB 1383: CASA Comments on Draft Regulatory Text

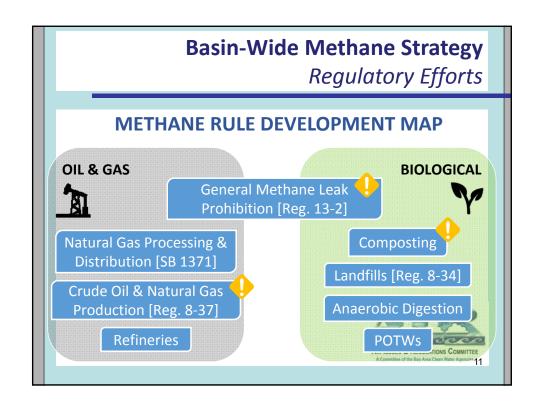
- Land application of biosolids must be included as recycling option
- Must be able to dispose of sewage sludge in a landfill on a temporary emergency basis
- Must have assurance organic feedstock is clean
- Set statewide standard for land application and beneficial use of biosolids. US EPA's federal standards in 40 CFR part 503 or SWRCB's Statewide General Order.
- Must have assurance markets exist for the use of the biogas. Require set volumes of in-state biogas from anaerobic digestion be procured by Investor and Publicly Owned Utilities (IOU/POU).
- Next draft to be released in March

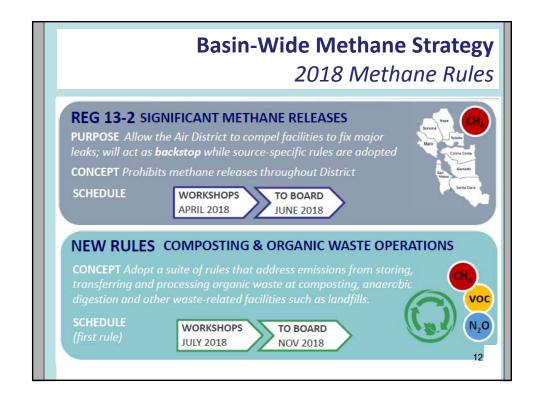












Regulation 13, Rule 2: General Methane Leak Prohibition

Establish limit for methane leaks across <u>all</u> Bay Area sources

Background

- Aliso Canyon leak released ~2.4MMTCO₂e during 2015-2016
- Air District Rule 8-2 prohibits large leaks of organic emissions (15 lbs/day and 300 ppm) throughout District but exempts natural gas

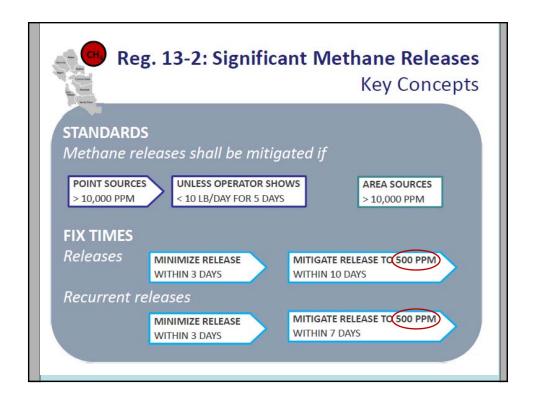
Purpose

- To allow Air District to take prompt action in case of large leaks
- To serve as a **backstop** while source-specific rules are adopted

How will it work?

Operators will need to fix leaks > 10,000 ppm and 10 lb/day

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Basin-Wide Methane Strategy *Summary of Regulatory Efforts*

- Drafting Regulation 13, Rule 2 (Rule 13-2):
 Significant Methane Releases
- Composting and Organic Waste Operations Rule
- ទី្ត• Wastewater and Anaerobic Digestion Rule?

Short-term need: Input on digester maintenance and

Long-term need: Best Management Practices for

digester gas venting

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AB 617: Non-vehicular air pollution (CAPs & TACs)

- ARB to develop statewide system to annually report emissions (in consultation with air districts, OEHHA, EJ, etc.)
- By October 1, 2018:
 - Prepare monitoring plan and strategy to reduce CAPs and TACs –
 Draft <u>Community Air Protection Program framework concept paper released</u>

 February 7th
- By July 1, 2019:
 - Air districts deploy monitoring systems to priority communities/ locations (evaluated annually)
 - Air districts adopt community emissions reduction programs w/in one year
 - Expedited schedule for nonattainment locations (no later than Dec 31, 2023)



BAAQMD Rule Updates

- <u>Regulation 11, Rule 18</u>: Reduction of Risk from Air Toxic Emissions at Existing Facilities
- <u>Standard Permit Conditions (Permit Handbook):</u>
 Anaerobic Digesters
- CA OSHA's H₂S Permissible Exposure Limit



Rule 11-18: Risk Reduction from Air Toxic Emissions at Existing Facilities

- Purpose:
 - Protect public from toxic air contaminants at existing facilities
- Sources at POTWs:
 - Process emissions
 - Engines and incineration
 - Standby generators (Generator only facilities exempt if RAL < 250)
- Requires:
 - BAAQMD conduct Health Risk Assessments (30-day review)
 - Risk Reduction Plan development
 - Implementation of Risk Reduction Measures (5 years to implement)
 - Phased Implementation based on cancer prioritization number



Rule 11-18: Risk Reduction from Air Toxic Emissions at Existing Facilities

• Status Update:

- BAAQMD working on rule implementation procedure document
- BAAQMD periodically re-assessing facilities to focus on "riskiest" (POTWs remain in Phase 2)
- Phase 2 emissions inventory review anticipated summer 2019-2023

• Potential Next Actions:

- Take steps to reduce emissions inventory values
- Verify emission calculations methodology with permit engineer & update concentration data as appropriate

NOTE: Emissions estimate is on permit invoice from BAAQMD.



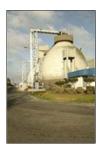
OSHA Permissible Exposure Limit (PEL) for Hydrogen Sulfide

- CA-DOSH's Health Effects Advisory Committee for the development of PELs met Sept 5th, Dec 12th, and Mar 6th
- Discussed lowering the PEL for H₂S from 10 ppm to 5 ppm
- BACWA supported a letter in response to CA-DOSH to reduce to 5 ppm
- Health Effects Advisory Committee will continue to discuss



Standard Permit Conditions: Anaerobic Digesters

- Updated August 2017
- Includes specific list of digester gas discharges that are not considered permit violations
- Requires compliance with other BAAQMD regulations (even if allowed by permit, must comply with other regulations)





SAN JOSE'S BAAQMD PERMITTING PROCESS: CO-GENERATION PROJECT



LUNCH ("PI" DAY)



Upcoming AIR Committee Meetings

- 2018
 - BAAQMD Annual Meeting Topics:
 TBD (Previously June 6th)
 - BACWA-BAAQMD-RWQCB Meeting Topics
- JOIN US FOR THE TOUR OF: San Jose's Zero Waste Facility!



