



Monterey Bay Air Resources District BOARD OF DIRECTORS MEETING

WEDNESDAY, AUGUST 21, 2019 – 1:30 P.M.

24580 SILVER CLOUD COURT, 3RD FLOOR, MONTEREY, CA, 93940

Summary of Actions

1. CALL TO ORDER – The meeting was called to order by Vice Chair Coonerty at 1:30 p.m.
2. PLEDGE OF ALLEGIANCE
3. ROLL CALL
Present: Anthony Botelho, Mary Ann Carbone, Ryan Coonerty, Zach Friend, Lowell Hurst, Fred Ledesma, Chris Lopez, Honor Spencer, John Phillips, Jane Parker.
Absent: Steve McShane.
4. PUBLIC COMMENT PERIOD – **None.**
5. REPORTS BY COMMITTEE CHAIRS ON COMMITTEE MEETINGS
 - a. Budget, Personnel, and Nominating Committee
 - b. Advisory Committee
6. COMMENTS AND REFERRALS FROM CHAIR AND BOARD MEMBERS – **None.**
7. REPORT FROM AIR POLLUTION CONTROL OFFICER
Richard Stedman, APCO, reported on the following:
 - **Engineering**
 - On July 25, the District hosted a CalRecycle compost odor workshop.
 - Engineering issued the next set of facility notifications to prepare toxic emissions inventories for the AB2588 Hot Spots Program.
 - **Planning and Air Monitoring**
 - Introduce newest employee, Tyrone Bell, as an Air Quality Technician in the Planning and Air Monitoring Division.
 - The District entered into a contract with the Live Oak School District for the first electric school bus in Santa Cruz County.
 - Phase II of the Monterey Bay Electric Vehicle Incentive Program which provides residents with an incentive to purchase new and used all electric or plug-in electric vehicles and motorcycles launched on August 1.
 - The District is sponsoring National Drive Electric Day in Santa Cruz which will be held on September 14 and the Community Power Festival in Monterey, set for September 21.
 - **Outreach**
 - District will have a booth at the following events celebrating National Electric Drive Day/Week
 - Sept. 14 – Drive Electric Day, Downtown Santa Cruz
 - Sept. 21 – Monterey Bay Community Power Community Power Festival, Custom House Plaza, Monterey
 - Moving ahead with inviting schools to participate in a three-week air quality curriculum using personal air monitors from AQ Treks.

AGENDA ITEM NO. 8

- We are working with Adopt-a-Charger to plan a ribbon cutting ceremony for the EV charging station at Seacliff. Right now we are looking at some time during the week of October 7th.
- Introduced new “don’t burn driftwood” brochures.
- **Office**
 - Santa Cruz County Regional Transportation Commission has terminated its lease at our Watsonville satellite office, effective September 1.
 - The building is scheduled to be painted at the end of the month.

CONSENT AGENDA

Motion: Approve items on the Consent Agenda.

Action: Approve.

Moved by Anthony Botelho. Seconded by Mary Ann Carbone. Motion passed unanimously.

8. **Accepted and Filed** Summary of Actions for the June 24, 2019 Board of Directors Meeting
9. **RESOLUTION NO. 19-015: Adopted** a Resolution Approving Fiscal Year 2019-20 Budget Revisions, Per Schedule A
10. **RESOLUTION NO. 19-016: Adopted** a Resolution Approving a Fiscal Year 2019-20 Budget Revision in the Amount of \$429,600 From Disencumbered Prior Years’ AB2766 Grants
11. **Accepted and Filed** Report of Summary of Mutual Settlement Program Actions for June 2019 and July 2019

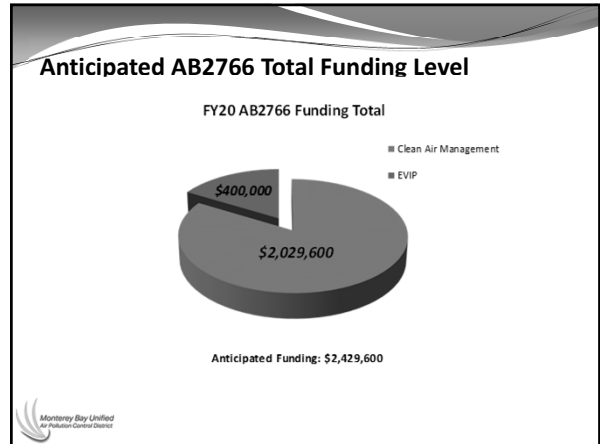
REGULAR AGENDA

12. **Received** the FY20 AB2766 Applicant Summary and Staff Recommendations
Informational report only; no action required.
13. **Accepted and Filed** a Report on Daily Eight-Hour Peak Ozone Concentrations, Hourly Peak Ozone Concentrations, PM2.5 and PM10 Air Monitoring Data for the First Two Quarters of the Year 2019
Unanimously accepted per consensus.
14. **Accepted and Filed** a Report on Mid-Year 2019 Engineering and Compliance Activities
Unanimously accepted per consensus.
15. **Received** Annual Report on the District’s Air Toxics Program
Informational report only; no action required.
16. Adjournment – **The meeting was adjourned at 2:30 p.m.**

Ann O’Rourke
Executive Assistant

FY20 AB2766 Grant Program

Presented to the Board of Directors
August 21, 2019
by:
Alan Romero, Air Quality Planner III



FY20 AB2766 Direct Emission Reduction Program

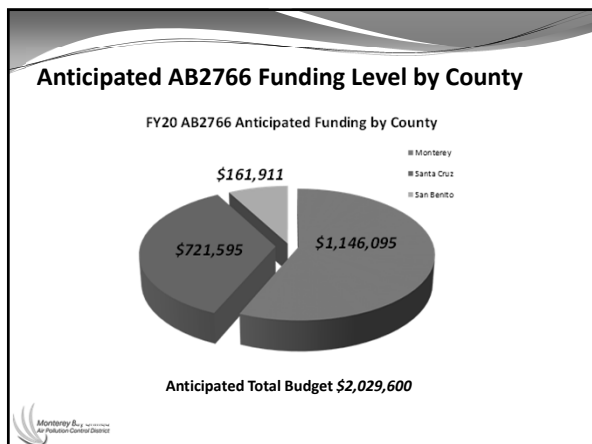
- **Clean Air Management Program ***
 - Monterey – 57%
 - Santa Cruz – 35%
 - San Benito - 8%

Population numbers taken from US Census 2018 estimates
* <https://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>
- **Clean Vehicle Program**
 - EV Vouchers to Public Agencies
 - EV Incentives District wide to residents (MBeVIP)

FY20 AB 2766 – Clean Air Management Program

FY20 Applicant List: Direct Emission Reduction Projects

App No.	County	Applicant Name	Project Description	Grant Request, \$	C/E, \$/ton	Annual tons reduced
20-01	Monterey	MST	New Transit, Electric Bus	\$ 400,000	\$63,967	0.50
20-02	Monterey	City of Salinas	E-Fleet Replacement	\$ 400,000	\$123,259	0.26
20-03	Monterey	City of Gonzales	E-Fleet Replacement	\$ 189,382	\$16,900,133	0.001
20-04	Monterey	City of Monterey	Adaptive Signal Control	\$ 400,000	\$8,231.00	7.70
20-05	Monterey	City of King	Roundabout Enhancement	\$ 400,000	\$82,309.00	0.34
20-06	San Benito	San Benito County High School District	Electric Shuttle Replacement	\$ 175,300	\$3,217,275	0.004
20-07	San Benito	San Benito County High School District	G2S Vehicle Replacement	\$ 65,450	\$611,489	0.01
20-08	Santa Cruz	City of Santa Cruz	E-Vanpool Replacement	\$ 202,365	\$1,473,435	0.01
20-09	Santa Cruz	Santa Cruz County	Adaptive Signal Control, Soquel	\$ 400,000	\$25,628.00	1.77
20-10	Santa Cruz	City of Capitola	Adaptive Signal Control, 41st Corridor	\$ 400,000	\$21,859.00	2.93
Grant Request Total				\$ 3,032,497.00		



C/E Calculation Method

Methods to Find the Cost-Effectiveness of Funding Air Quality Projects

For Evaluating Motor Vehicle Registration Fee Projects and Congestion Mitigation and Air Quality (CMAQ) Improvement Projects

**Emission Factor Tables
March 2018**


California Air Resources Board

AGENDA ITEM NO. 8

FY20 AB 2766 – Clean Air Management Program



FY 20 Ranking List: Direct Emission Reduction Projects

App No.	County	Applicant Name	Project Description	Grant Request, \$	C/E, \$/ton	annual tons reduced
20-04	Monterey	City of Monterey	Adaptive Signal Control	\$ 400,000	\$6,231	7.70
20-01	Monterey	MST	New Transit, Electric Bus	\$ 400,000	\$63,867	0.30
20-05	Monterey	City of King	Roundabout Enhancement	\$ 400,000	\$42,309	0.34
20-02	Monterey	City of Salinas	E-Fleet Replacement	\$ 400,000	\$123,259	0.26
20-03	Monterey	City of Gonzales	E-Fleet Replacement	\$ 189,382	\$16,900,133	0.081
20-07	San Benito	San Benito County High School District	G26 Vehicle Replacement	\$ 65,450	\$611,489	0.03
20-06	San Benito	San Benito County High School District	Electric Shuttle Replacement	\$ 175,300	\$9,217,275	0.004
20-10	Santa Cruz	City of Capitola	Adaptive Signal Control, 41st Corridor	\$ 400,000	\$21,859	2.83
20-09	Santa Cruz	Santa Cruz County	Adaptive Signal Control, Soquel	\$ 400,000	\$25,828	1.77
20-08	Santa Cruz	City of Santa Cruz	E-vanpool Replacement	\$ 202,365	\$1,473,435	0.01






FY20 Monterey Bay Electric Vehicle Incentive Program

- Monterey Bay Community Power (MBCP) and MBARD launched the *Monterey Bay eVIP* on May 1, 2019
 - MBCP Phase 1 *"Buy Local"*: three local EV dealers and point of sale (POS) vouchers. May 1 through July 31, 2019
 - MBARD Phase 2 *"Your Choice, Your Terms"*: post sale/lease incentive checks, any CA EV Dealer. August 1, 2019 until funds are exhausted.



FY20 Monterey Bay eVIP

- Phase 2: *"Your Choice, Your Terms"*
 - New H2 Fuel Cell \$1,500
 - New purchase or lease, any BEV or PHEV
 - \$1,000 BEV
 - \$ 500 PHEV
 - Used BEV or PHEV
 - \$ 750 BEV
 - \$ 300 PHEV
 - New Motorcycle \$200
 - Double all amounts if income qualified
 - <https://forms.laserfiche.com/f-d21e871c/EVIP2019>


Air Toxics Program

Seong Kim, Air Quality Engineer II
August 2019



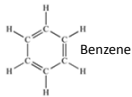
Overview

- What is an Air Toxic?
- What is AB 2588
- Current Activities
- AB2588 Implementation Plan Timeline




What is an air toxic?

- Federal: HAP (hazardous air pollutant)
 - An air pollutant listed under section 112 (b) of the Federal Clean Air Act as particularly hazardous to health.
- State: TAC (toxic air contaminant)
 - An air pollutant, identified in regulation by the California Air Resources Board, which may cause or contribute to an increase in deaths or in serious illness, or which may pose a present or potential hazard to human health.




Metals:
Lead
Cadmium
Chromium



What is the Air Toxic “Hot Spots” Act?


- In 1987, the California legislature adopted the Air Toxic “Hot Spots” Information and Assessment Act.
- The goals of the Act are:
 - Collect toxic air contaminant (TAC) emissions;
 - Identify facilities having localized impacts;
 - Determine health risks; and
 - Notify affected individuals



Risk Assessment

- MBARD actions:
 - Review emission inventory data
 - Score facilities for purposes of risk assessment into high, intermediate, and low priority categories.
- Facilities will be re-prioritized if their inventory update shows any significant changes.


Prioritization Score (PS)		
High	Intermediate	Low
PS ≥ 10	1 < PS < 10	PS ≤ 1



Public Notification


- MBARD Notification Level for Public Notice based on results of HRA:

Significant Risk Threshold	
Cancer Risk	> 10 in a million
Chronic Risk Index	> 1
Acute Risk Index	> 1




Current Activities

- Changes to guidance used in evaluating risk
- Initiate timeline to re-evaluate all permitted facilities based on updated guidance
- Sent letters in January 2018 to sources which emit greater than 10 tons per year.




Current Prioritization Score Summary

Facility Name	Priority	Status
AERA ENERGY, LLC	LOW	Exempt
CHEVRON POWER HOLDING, INC. DBA SALINAS RIVER COGEN	LOW	Exempt
CHEVRON POWER HOLDING, INC. DBA SARGENT CANYON COGEN	LOW	Exempt
KENDALL JACKSON WINE ESTATES, LTD DBA JACKSON FAMILY WINES	LOW	Exempt
SANTA CRUZ ENERGY, LLC	LOW	Exempt
THE DON CHAPIN COMPANY	LOW	Exempt
THE WINE GROUP - GOLDEN STATE WINERY WINERY	LOW	Exempt
AMERESCO SANTA CRUZ ENERGY LLC BUENA VISTA LANDFILL	INTERMEDIATE	Next TEIR due in 2022
AMERESCO SANTA CRUZ ENERGY LLC JOHNSON CANYON LANDFILL	INTERMEDIATE	Next TEIR due in 2022
BIG CREEK LUMBER	INTERMEDIATE	Next TEIR due in 2022
EXXON MOBIL CORP	INTERMEDIATE	Next TEIR due in 2022
FRANCISCAN VINEYARDS, INC. DBA ESTANCIA ESTATES	INTERMEDIATE	Next TEIR due in 2022
MONTEREY ONE WATER	INTERMEDIATE	Next TEIR due in 2022
OLIVE SPRINGS QUARRY	INTERMEDIATE	Next TEIR due in 2022
STEVENS CREEK QUARRY - USCC	INTERMEDIATE	Next TEIR due in 2022
CITY OF SANTA CRUZ - WWTP	HIGH	HRA under Review
CONSTELLATION BRANDS U.S. OPERATIONS, INC. DBA GONZALES WINERY	HIGH	Submit HRA by 10/22/2019

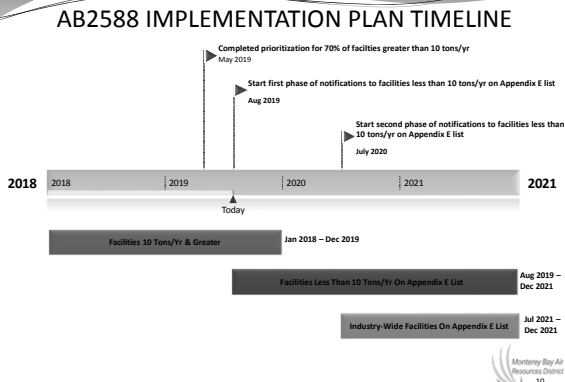


Future Activities


- Complete prioritization scores for remaining 8 facilities with inventory plans under development or review.
- Complete review of HRAs for two high priority facilities and submit to OEHHA for review.
- Begin notification of less than 10 ton per year sources:
 - Hospitals, asphalt batch plants, chemical processing plants, waste water treatment facilities, military installations, landfills, gas stations, crematories, fumigation chambers, and fiberglass facilities.



AB2588 IMPLEMENTATION PLAN TIMELINE




Questions/Comments?




Engineering and Compliance Mid-Year 2019 Activity Data

Amy Clymo, Engineering and Compliance Manager
August 2019




Overview

- Description of Engineering and Compliance
- Activity Data



Engineering

- Evaluate permit applications for compliance with federal, state, and local rules and regulations
- Issue permits with operating conditions
- Develop rules and regulations
- Report annual stationary source emission inventory





ENGINEERING DIVISION ACTIVITY REPORT

Activities	Mid-Year 2019 January - June
Permit Applications Received	169
Equipment Inspections	55
Permits to Operate Issued	164
Authorities to Construct Issued	73
Agricultural Diesel Engine Registrations	4
Title V Permits Issued	4
Emission Reduction Credits	1


Permitted Units

- Emergency Engines - 1,100
- Gasoline Dispensing - 392
- Paint Spray Facilities - 314
- Boilers – 207
- Prime Engines - 152

Compliance

- Conduct inspections of permitted sources
- Ensure compliance with permit conditions
- Take enforcement action for violations
- Ensure compliance with the federal asbestos regulation
- Respond to complaints



COMPLIANCE DIVISION ACTIVITY REPORT

Activities	Mid-Year 2019 January - June
Compliance Inspections	690
Notices to Comply Issued	93
Asbestos Inspections	77
Asbestos Notifications	177
Complaints Received	113
Breakdowns Received	15
Variance Orders Issued	0
Source Tests Observed	7


Monterey Bay Air Resources District
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- ## Complaints
- Smoke – 49
 - Odor – 27
 - Dust – 21
 - Asbestos – 7
 - Gas Station – 5
 - Other - 4
- Monterey Bay Air Resources District
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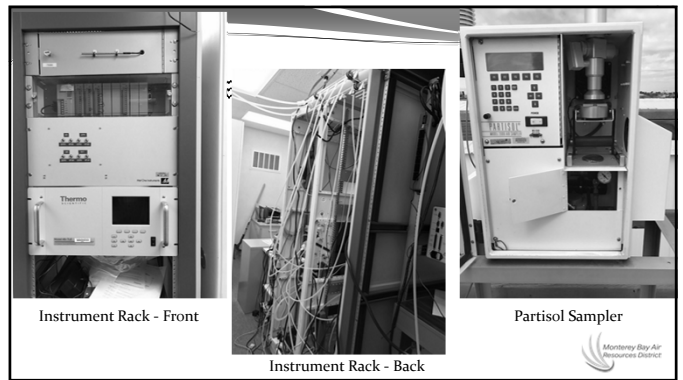
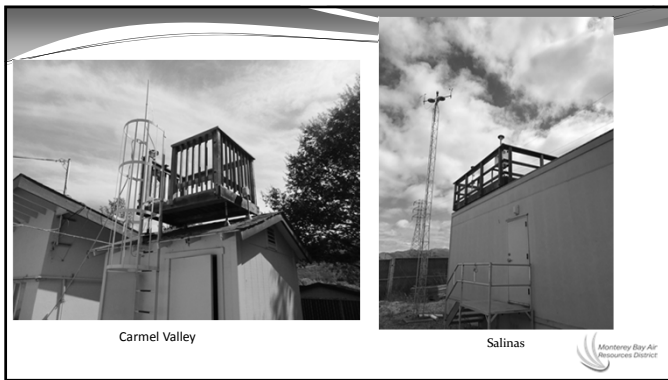
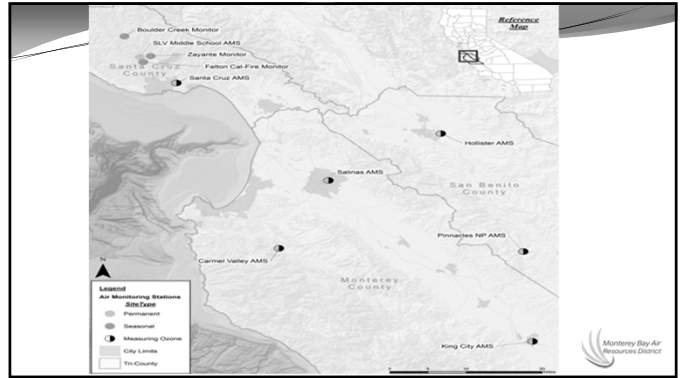
Questions?

Monterey Bay Air Resources District
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Air Monitoring Mid-Year Summary for 2019

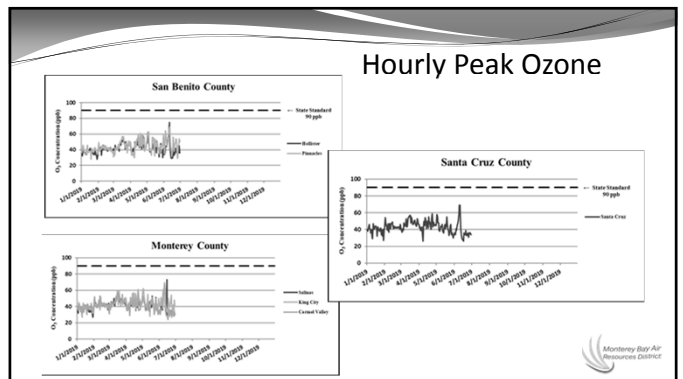


David Frisbey
Planning and Air Monitoring Manager
August 21, 2019

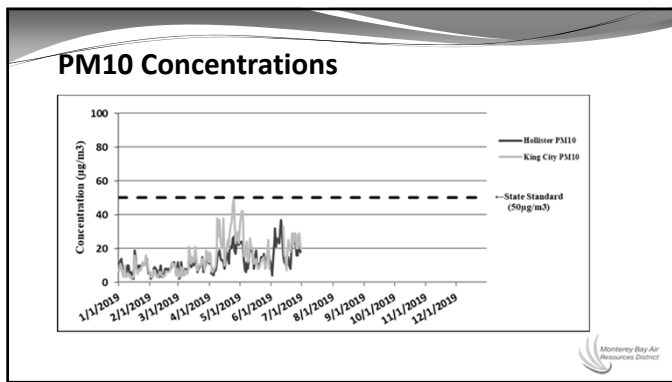
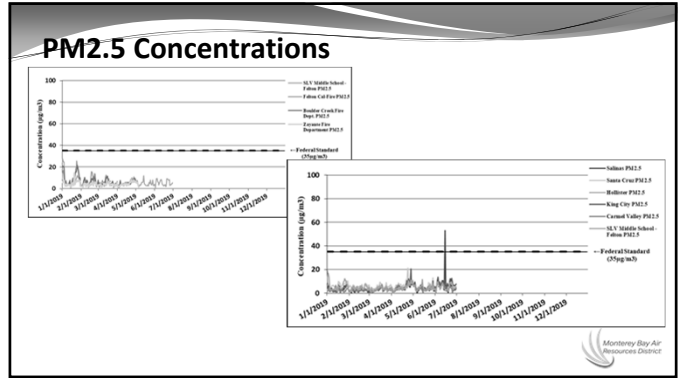
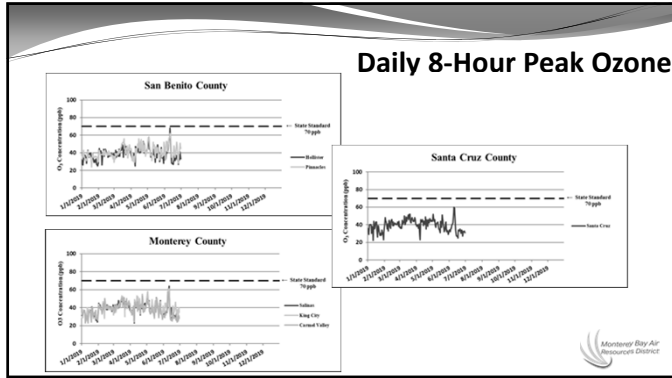


Ambient Air Quality (Daily) Standards

Pollutant	Averaging Time	Standards		
		California Standards Concentration	National Standards	
			Primary Concentration ³	Secondary Concentration ⁴
Ozone	1 hour	0.09 ppm	--	--
	8 hour	0.070 ppm	0.070 ppm	0.070 ppm
PM2.5	24 hour	---	35 µg/m ³	Same
PM10	24 hour	50 µg/m ³	150 µg/m ³	Same



AGENDA ITEM NO. 8



Attainment Status

Pollutant	State Designation	Federal Designation
Ozone (O ₃)	Nonattainment-Transitional	Attainment
Inhalable Particulates (PM ₁₀)	Nonattainment	Attainment
Fine Particulates (PM _{2.5})	Attainment	Attainment
Carbon Monoxide (CO)	Monterey Co.-Attainment	Attainment
	San Benito Co.-Unclassified	Attainment
	Santa Cruz Co.-Unclassified	Attainment
Nitrogen Dioxide (NO ₂)	Attainment	Attainment
Sulfur Dioxide (SO ₂)	Attainment	Attainment
Lead	Attainment	Attainment

Discussion and Questions....

