

District Highlights

October 18, 2018 Actions by the Governing Board

District Governing Board Accepts \$37,988,890 from CARB for the Implementation of Two Zero and Near-Zero Emissions Demonstration Projects

The Valley Air District Governing Board accepted \$37,988,890 from the California Air Resources Board (CARB) for the demonstration of two zero and near-zero emissions demonstration projects in the San Joaquin Valley. The two District proposals, ranked first and second in the state, were selected for funding in response to CARB's competitive grant solicitation for Zero and Near Zero-Emission Freight Facilities. In one project Burlington Northern Santa Fe (BNSF) will demonstrate a single battery electric locomotive that will be deployed in a diesel consist running from Stockton to Barstow in commercial operation. In addition, the project will demonstrate the operation of a hybrid-electric rubber-tire gantry, a full-electric side loader, a full-electric Class 8 drayage truck, and will include electrical upgrades and electric vehicle supply equipment. In the second project, Pepsi/Frito-Lay will demonstrate a bold and transformative effort that will yield a world-renowned showcase for economically and environmentally sustainable manufacturing, warehousing and distribution. The project will completely replace the use of all diesel-powered freight equipment including battery electric trucks, yard trucks, forklifts, trucks powered by renewable natural gas, solar powered energy generation and storage, and a publicly accessible natural gas fueling station. Both of these projects are expected to be completed for full demonstration in early 2021.

Valley Air District to Play Lead Role in Administering Statewide Volkswagen Mitigation Trust Program Funding

The Valley Air District Governing Board approved the District's participation as a lead statewide administrator of \$130,000,000 in incentive funding from the Volkswagen Environmental Mitigation Trust. The VW Mitigation Trust provides approximately \$423 million for California to mitigate the excess nitrogen oxide (NOx) emissions caused by VW's use of illegal defeat devices in certain diesel vehicles. Based on the District's reputation for administering effective and efficient voluntary incentive programs, CARB has sought the District's assistance to administer \$130,000,000 in funding from the Mitigation Trust for the replacement of older, higher polluting transit, school and shuttle buses with cleaner technology throughout California over the next ten years. The District will work in collaboration with the South Coast Air Quality Management District (SCAQMD) and the Bay Area Air Quality Management District (BAAQMD) to administer the other allocations of Mitigation Trust funding throughout California.

District Governing Board Receives Report on Analysis of Bakersfield PM2.5 Filter Samples

The Valley Air District Governing Board received a summary of a laboratory analysis conducted by the California Department of Public Health that evaluated a number of high concentration PM2.5 filter samples from the Bakersfield area, including key filter samples from the Bakersfield-Planz air-monitoring site, which is a critical site for PM2.5 air quality planning. As a part of this project, the CDPH laboratory analyzed a key PM2.5 filter sample from Bakersfield-Planz that was collected on May 5, 2013, which had an abnormally high concentration. CDPH has now completed the study, and has concluded that the abnormally high PM2.5 reading recorded on May 5, 2013, at the Bakersfield-Planz site was caused by the air-monitoring sampler being overwhelmed by larger particles during a high wind event, resulting in an erroneous recording that was unrepresentative of actual PM2.5 concentrations. As detailed in the study, an extremely

large number of particles larger than PM2.5 bypassed the PM2.5-cut sampling mechanism and were deposited on the filter media, indicating failure of the sampling system causing an erroneous recording of PM2.5 concentration for the day. The Board authorized the Executive Director/APCO to submit to CARB and EPA a request and supporting information to invalidate the Bakersfield-Planz May 5, 2013, PM2.5 reading.

August District Activities

Outreach and Communications

- The District spent August revamping Drive Clean in the San Joaquin grants program as well as designing new RAAN t-shirts and Healthy Air Hero kids t-shirts for outreach events. The District also created new RAAN READ Level Signs to accommodate the RAAN READs that were deployed to Valley schools.
- In August, District staff responded to 44 media calls, 195 public calls, and 57 emails, issued four news releases and attended 10 event/presentations.

Grant and Incentive Programs

- In August, the District received 708 incentive program applications. 153 were for the Wood Stove Change-Out Program and 140 were for the Heavy Duty Engine Program.
- In August, \$13,182,664.32 was placed under contract in the Heavy Duty Engine Program and 192 claims were paid.
- In August, \$1,245,894.66 was paid out in REMOVE II program claims.
- In August, \$173,661.62 was paid in Burn Cleaner program claims and 89 claims were processed.

Key	August 2018	Applications	Grants Offered		Grants Executed		Amount Paid	
	Program	Number Received & Entered	Number of Contracts sent out	Sum of Grant Funding	Number of Contracts Executed	Sum of Grant Funding	Number of Claims paid	Sum of Grant Funding
Burn Cleaner	Burn Cleaner - Wood Stove Change Out	153	75	\$135,000.00	75	\$135,000.00	89	\$173,661.62
CAP & Trade	Demonstration - New Electric Vehicle	2	1	\$4,016,188.00	1	\$4,016,188.00	1	\$1,125,749.63
Heavy Duty	Ag Engine	6	0	\$0.00	0	\$0.00	15	\$297,099.76
	Off-Road	111	89	\$10,356,912.85	69	\$4,777,542.87	126	\$5,538,995.18
	On-Road	0	1	\$1,277,304.68	0	\$0.00	0	\$0.00
	On-Road TVP	22	17	\$625,553.96	17	\$625,553.96	37	\$920,025.57
	School Bus Replacement	0	11	\$922,892.83	0	\$0.00	14	\$774,769.09
	School Bus Tank Replacement	1	0	\$0.00	0	\$0.00	0	\$0.00
Lawn Garden	Lawn Mower Replacement	29	30	\$6,482.88	30	\$6,482.88	45	\$9,632.88
Light Duty	Car Crushing	129	125	\$996,627.14	125	\$996,627.14	193	\$659,342.42
	Charge Up	2	13	\$201,000.00	13	\$201,000.00	0	\$0.00

	VVIP - Commuter Subsidy	38	2	\$810.00	2	\$810.00	360	\$10,800.00
	E-Mobility	0	1	\$9,000.00	0	\$0.00	0	\$0.00
	Public Transit - Commuter Subsidy	0	1	\$30,000.00	0	\$0.00	1	\$3,080.00
	Drive Clean - Light and Medium Duty	209	146	\$364,234.04	146	\$364,234.04	231	\$572,672.24
Public Benefit	Alt-Fuel	6	47	\$726,052.93	7	\$98,842.71	9	\$151,413.85
Technology Advancement	Tech. Advance Program	0	0	\$0.00	0	\$0.00	1	\$14,719.25
	Totals	708	559	\$19,668,059.31	485	\$11,222,281.60	1,122	\$10,251,961.49

Reductions from Executed Contracts (tons)			
Nox	PM	ROG	Total
399	74	42	515

Smoking Vehicles	5
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Operations Overview

- Completed 3,721 inspections in August, and 183 NOVs were issued. Mutual settlement case completions totaled 135.
- Received 155 permit applications in August, and 170 permits were issued.
- Received 5 smoking vehicle reports in August.
- Received 221 environmental documents in August.

September District Activities

Outreach and Communications

- The District spent September completing the new READ monitor videos as well as modernizing the Widget so that it adjusts to any screen size. The District also created a new website for the PM2.5 Plan and redesigned the AB617 website.
- In September, District staff responded to 10 media calls and 43 public calls and 44 emails, issued six news releases and attended 10 event/presentations.

Grant and Incentive Programs

- In September, the District received 783 incentive program applications. 217 were for the Wood Stove Change-Out Program and 145 were for the Heavy Duty Engine Program.
- In September, \$11,478,232.47 was placed under contract in the Heavy Duty Engine Program and 94 claims were paid.
- In September, \$1,009,566.57 was paid out in REMOVE II program claims.
- In September, \$91,225.00 was paid in Burn Cleaner program claims and 44 claims were processed.

	September 2018	Applications	Grants Offered		Grants Executed		Amount Paid	
Key	Program	Number Received & Entered	Number of Contracts sent out	Sum of Grant Funding	Number of Contracts Executed	Sum of Grant Funding	Number of Claims paid	Sum of Grant Funding
Burn Cleaner	Burn Cleaner - Wood Stove Change Out	217	210	\$363,000.00	210	\$363,000.00	44	\$91,225.00
CAP & Trade	Demonstration - New Electric Vehicle	0	2	\$2,837,300.00	1	\$2,125,000.00	0	\$0.00
Heavy Duty	Ag Engine	0	2	\$27,800.00	0	\$0.00	2	\$17,411.00
	Off-Road	117	119	\$9,617,714.80	63	\$10,019,334.18	59	\$3,695,344.06
	On-Road	0	1	\$1,743,230.35	1	\$1,277,304.68	1	\$174,600.00
	On-Road TVP	27	0	\$0.00	0	\$0.00	25	\$931,248.05
	School Bus Replacement	1	1	\$89,487.32	11	\$929,331.98	0	\$0.00
	School Bus Retrofit	0	0	\$0.00	0	\$0.00	7	\$170,486.31
Lawn Garden	Lawn Mower Replacement	26	46	\$9,888.50	46	\$9,888.50	20	\$3,939.00
Light Duty	Car Crushing	118	122	\$804,463.91	122	\$804,463.91	203	\$657,154.87
	Charge Up	1	19	\$767,000.00	9	\$267,000.00	0	\$0.00
	VVIP - Commuter Subsidy	44	53	\$56,700.00	53	\$56,700.00	208	\$6,240.00
	Public Transit - Commuter Subsidy	0	0	\$0.00	1	\$30,000.00	0	\$0.00
	Drive Clean - Light and Medium Duty	217	162	\$413,057.81	162	\$413,057.81	136	\$346,171.70
Public Benefit	Alt-Fuel	15	23	\$378,569.84	33	\$511,376.01	1	\$10,000.00
Technology Advancement	Tech. Advance Program	0	0	\$0.00	0	\$0.00	2	\$8,865.00
	Totals	783	760	\$17,108,212.53	712	\$16,806,457.07	708	\$6,112,684.99

Reductions from Executed Contracts (tons)			
Nox	PM	ROG	Total
626	169	49	844

Smoking Vehicles	12
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Operations Overview

- Completed 1,635 inspections in September, and 195 NOVs were issued. Mutual settlement case completions totaled 203.
- Received 226 permit applications in September, and 150 permits were issued.
- Received 12 smoking vehicle reports in September.
- Received 247 environmental documents in September.

Upcoming Meetings

Gov. Board Meeting*
Nov. 15, 2018

Citizens Advisory Committee*
10:00 a.m. Dec. 4, 2018

Enviro. Justice Adv. Grp.
5:30 p.m. January 24, 2019

Meetings are held in the Fresno office Governing Board Room and via video teleconference to the Modesto and Bakersfield offices. Details: www.valleyair.org

** Webcast*