

Ventura County APCD 2020 AB 617 Annual Report

I. Report number, title, name of Grantee, date of submission, and grant number

Report Number: 19-001

Name of Grantee: Ventura County Air Pollution Control District

Date of Submission: May 29, 2020

Grant Number: G18-CAPP-34

II. Costs Associated with Specific Tasks

See Attachment 1

III. How Grant Funding is Being Utilized to Meet the Goals of AB 617

Background:

During the first year of AB 617 implementation, VCAPCD did not possess adequate community level air monitoring data to make empirical assessments on burdened communities. Therefore, in developing our July 31, 2018 submittal to CARB, VCAPCD staff utilized:

- CalEnviroScreen 3.0
- U.S. EPA's EJSCREEN mapping tool
- VCAPCD information on permitted facilities in and nearby disadvantaged/burdened communities identified via CalEnviroScreen 3.0 or EJSCREEN
- Community/public input

VCAPCD staff's areas of focus in using CalEnviroScreen 3.0 were air emission related information (ozone, PM 2.5, diesel particulate), traffic information, pesticide application information, and health factors (asthma, low birth weight and cardiovascular disease). The scores for pesticide application rates, asthma, cardiovascular disease, and diesel particulate are elevated in some census tracts in the Oxnard area. With regard to the elevated asthma scores, staff contacted Gold Coast Health Plan, the local Medi-Cal provider for Ventura County, and Ventura County Public Health. We requested information on the utilization of medical services related to asthma by Oxnard area residents as compared to residents in other areas of Ventura County. Ventura County Public Health responded with information showing elevated asthma rates in the 93030 zip code in Oxnard. The 93030 zip code matches reasonably well with the census tracts identified with elevated asthma rates in CalEnviroScreen 3.0.

The CalEnviroScreen 3.0 identifies the City of Oxnard as one of the impacted disadvantaged/burdened areas. Staff conducted and participated in AB 617 public workshops in this area. During these meetings, the main comments received from the Oxnard community were related to emissions from heavy-duty trucks. This area does have food distribution facilities for onions, squid, and other commodities which would utilize heavy-duty trucks. In addition, truck traffic moving cargo from the Port of Hueneme passes through the Oxnard community.

VCAPCD staff's review of the U.S. Environmental Protection Agency's (EPA) EJSCREEN mapping tool has determined that this tool does not provide much information beyond that provided by CalEnviroScreen 3.0. Staff also found that the EJSCREEN model is weighted heavily on demographic indicators. However, staff's initial review shows that the EJSCREEN environmental and demographic indicators seem reasonable.

On July 31, 2018, based on VCAPCD staff's review of the available data, staff recommended that the greater Oxnard/Port Hueneme area be the highest priority region in Ventura County for inclusion in CARB's Community Air Protection Program (CAPP). Staff's recommendation is based on our assessment that we have not identified a single or multiple sources of significant air emissions that would lead us to identify a smaller region adjacent to these source(s). This is in part based on our review of our permitted sources in the area.

The greater Oxnard/Port Hueneme area is also home to several agricultural operations, and these operations generally utilize pesticides and diesel equipment. In addition, the Port of Hueneme and several warehouse type distribution centers are located in the area. Heavy-duty trucks associated with these goods movement facilities move throughout the area.

In summary, we are looking at a diffuse inventory of air pollution sources in this area. This will likely require additional research including community level air monitoring in several locations to identify any sources of concern. In addition, by having a larger area, the VCAPCD will have flexibility to target our incentive funds within the area as we learn more about potential issues with air pollutant sources in and adjacent to the area.

VCAPCD staff defines the greater Oxnard/Port Hueneme area as the following census tracts.

- 6111002905 Oxnard (North West area)
- 6111003201 Oxnard (North area)
- 6111009100 Oxnard (Colonia area)
- 6111004902 Oxnard (North East area)
- 6111005002 Oxnard (Auto Center)
- 6111004704 Oxnard (South East area)
- 6111004715 Oxnard (South area)
- 6111004400 Port Hueneme

Staff reviewed information on other communities in Ventura County identified as potentially disadvantaged/burdened in CalEviroscreen 3.0. While staff is not recommending these areas as "first priority" for inclusion in CARB's program, we plan to work with these communities as we move forward implementing AB 617.

These other communities include the following census tracts:

- 6111002400 Ventura (Downtown area)
- 6111002300 Ventura (Avenue area near Hwy 33)
- 6111002200 Ventura (Avenue area East)
- 6111001302 Ventura (Saticoy)
- 6111006100 Newbury Park
- 6111000400 Santa Paula (North East area)*
- 6111000500 Santa Paula (South of Hwy 126)*
- 6111000302 Fillmore area*
- 6111000200 Piru area*
- 6111005002 El Rio area*

* Areas are included based on community/public input received at the April 9, 2018 local Community Environmental Justice workshop sponsored by the Central Coast Alliance United for

a Sustainable Economy (CAUSE) and the California Environmental Justice Alliance. These areas were included in CalEnviroScreen 2.0 as potential disadvantaged/burdened communities.

VCAPCD Public Outreach/Coordination:

Staff has been collaborating with the local environmental organization Climate First: Replacing Oil and Gas (CFROG - formerly Citizens for Responsible Oil and Gas) on the implementation of AB 617. CFROG has been awarded a Community Air Grant by CARB. CFROG is tentatively planning to conduct community air monitoring in the south Oxnard area and the Ventura Avenue area. Both of these areas are identified as areas VCAPCD is planning to target in implementing AB 617. CFROG is also planning on utilizing low-cost PM2.5 sensors, which could help identify areas with particulate matter concerns (especially if related to diesel combustion).

On September 14, 2018, VCAPCD staff met with CFROG representatives to kick-off our work on AB 617. VCAPCD staff agreed to participate on a Technical Advisory Committee for CFROG's community monitoring work. On October 17, 2018 VCAPCD staff met with a Civic-Spark fellow assisting CFROG in outreach for their community monitoring training for the low-cost PM2.5 sensors to be used by the public. On October 26, 2018, VCAPCD participated in the Technical Advisory Committee for the CFROG community monitoring program. The CFROG program includes: low-cost PM2.5 sensors for use by the public and drones carrying hydrocarbon sensors to obtain estimates of hydrocarbon concentrations near burning oil seeps. VCAPCD staff also participated in CFROG community meetings where the public was trained on the use of low-cost PM2.5 sensors on December 5, 2018, January 23, 2019, and January 30, 2019. As of the preparation of this report, no data has been provided to VCAPCD staff for review and comments.

In addition, VCAPCD contacted the Californians for Pesticide Reform organization, as it was also awarded a Community Air Grant and has noted it is looking at additional air monitoring for pesticides in the central coast region. VCAPCD staff is planning to coordinate with both CFROG and Californians for Pesticide Reform to ensure monitoring data has been subject to quality assurance and is understandable to the community.

Staff has also been involved with the Port of Hueneme/Oxnard Harbor District in development of the Port of Hueneme Reducing Emissions Supporting Health (PHRESH) Plan in greater Oxnard. The PHRESH plan is a comprehensive strategy to quantify and reduce criteria and greenhouse gas air emissions associated with activities at the port. It is intended to address multiple air quality regulatory requirements, including AB 617. As noted above, the greater Oxnard/Port Hueneme area is the highest priority region in Ventura County to be considered for inclusion in CARB's CAPP. The Port of Hueneme is a commercial deep-water port encompassing 120 acres with three different wharfs containing 6 berths for commercial shipping activity. The Port also leases two off-Port properties for cargo processing and there are several warehouse type distribution centers located in the area.

The Port of Hueneme has engaged in a cooperative relationship with VCAPCD to develop the PHRESH plan. The first meeting between Port of Hueneme and the district was in November 2017 to discuss the PHRESH concepts. One of the first steps in the PHRESH plan process was creating a comprehensive report identifying emission sources associated with the port and quantifying their emissions, including ocean-going vessels, harbor craft, cargo handling equipment, locomotives, wheeled vehicles including heavy-duty vehicles, auto and heavy equipment rolling stock and light duty vehicles (LDV) and Greenhouse Gas (GHG) emissions from stationary sources, including port employee commuting.

An Emissions Inventory Technical Working Group with representatives from the Port, their environmental consultants, VCAPCD, CARB, and EPA was convened in May 2019 to assess methods for estimating annual emissions for 2008, 2017 and 2018 from the variety of emission sources.

BARCT Review for Rules in Disadvantaged Communities:

VCAPCD staff prepared a draft BARCT rule development schedule to comply with this statutory requirement of AB 617 and conducted a public workshop on October 30, 2018. CARB had identified four facilities in Ventura County that are subject to AB 617 BARCT requirements; the facilities are operated by Procter and Gamble, New Indy Container, California Resources (Santa Clara Valley Gas Plant), and Trinity ESC. District staff then evaluated which District rules are applicable to these facilities that may not meet BARCT requirements, including Rule 74.23, Stationary Gas Turbines; Rule 74.15, Boilers, Steam Generators and Process Heaters; Rule 71.3, Transfer of Reactive Organic Compound Liquids; and Rule 74.10, Components at Crude Oil and Natural Gas Production and Processing Facilities.

In addition, VCAPCD staff is proposing the development of a new rule to regulate the ozone precursor emissions from oilfield flares to address emissions from a nonemergency flare at the Santa Clara Valley Gas Plant. Staff is proposing to use BARCT benchmark rules mainly from the San Joaquin Valley Air Pollution Control District (SJVAPCD) and the South Coast Air Quality Management District (SCAQMD) to determine the feasibility of adopting more stringent regulations. If adopted, these new BARCT requirements may impact any applicable emission source above and beyond the four AB 617 sources due to the District's need to adopt BARCT or "all feasible measures" as a nonattainment area for ozone under the California Clean Air Act.

On December 11, 2018, the AB 617 expedited BARCT Rulemaking Schedule was approved by the Ventura County Air Pollution Control Board (Board) as shown in the table below. Under AB 617, BARCT is to be fully implemented on all affected sources no later than December 31, 2023.

Rule Number	Rule Title	Tentative Adoption Date	BARCT Benchmark(s)	Affected Source Type
74.23	Stationary Gas Turbines	12/01/2019 (adopted)	SJVAPCD Rule 4703	Natural gas turbines
74.15	Boilers, Steam Generators and Process Heaters	12/01/2020	SJVAPCD Rule 4320	Boilers, steam generators and process heaters
71.3	Transfer of Reactive Organic Compound Liquids	06/01/2021	SJVAPCD Rule 4624	Crude oil loading racks
New Rule	Flares	08/01/2022	SJVAPCD Rule 4311	Flares
74.10	Components at Crude Oil and Natural Gas Production and Processing Facilities	06/01/2023	SJVAPCD Rule 4409 and SCAQMD Rule 1173	Oilfield fugitive emissions from leaking components

A detailed summary of the status of staffs work on the above rules subject to expedited BARCT schedule is provided below:

Rule 74.23, Stationary Gas Turbines: VCAPCD has adopted the BARCT limits recently proposed by SCAQMD Rule 1134, which are 2.5 ppmv of Nitrogen Oxides (NO_x) and 10 ppmv of ammonia (NH₃). A public workshop was scheduled on July 25, 2019 and presented the proposed emissions limits for Stationary Gas Turbines, which would require three turbines in the County to either be retrofitted or replaced. Estimated emissions reductions were about 107 tons of NO_x per year, however, based on staff's evaluations not all units are expected to meet the target emission limits due to cost effectiveness issues. The Ventura County Air Pollution Control Board adopted Rule 74.23 amendments on November 12, 2019.

Rule 74.15, Boilers, Steam Generators, and Process Heaters: VCAPCD staff has been evaluating BARCT emission standards implemented by SJVAPCD Rule 4320 for larger boilers, steam generators and process heaters. Utilizing the current Board-approved cost-effectiveness (CE) methodology, and 2019 Board approved CE threshold for BARCT (\$39,000/ton of NO_x), 27 of the 99 boilers subject to 74.15 in Ventura County will be required to meet BARCT emission limits. Many will not be required to retrofit due to low use, or due to the existing permitted emission limits that would comply with BARCT limits. An estimated 48 units are anticipated to limit their annual throughput to be exempt from the proposed BARCT limits.

Rule 71.3, Transfer of Reactive Organic Compound Liquids: VCAPCD staff has been evaluating SJVAPCD Rule 4624 emission limits to reduce Reactive Organic Compounds (ROC) emissions from crude oil loading racks by increasing the destruction efficiency of vapor collection systems. Staff anticipates rule adoption before the proposed deadline of June 1, 2021.

New Rule for Oilfield Flares: VCAPCD staff has been evaluating SJVAPCD Rule 4311 to develop a new rule regulating emissions from flares. Staff anticipates rule adoption before the proposed deadline of August 1, 2022.

Rule 74.10, Components at Crude Oil and Natural Gas Production and Processing Facilities: VCAPCD staff has been evaluating SJVAPCD Rule 4409 and SCAQMD Rule 1173 to reduce ROC emissions from oilfield components such as valves, flanges, compressors, pumps, etc. Staff anticipates rule adoption before the proposed deadline of June 1, 2023.

VCAPCD Emission Inventory and Reporting Programs

The AB 617 Community Air Protection Program has annual criteria and toxic pollutant emissions reporting requirements that will apply to permitted stationary sources. CARB has developed a statewide regulation for emissions reporting for this purpose, the "Regulation for the Reporting of Criteria Air Pollutants and Toxic Air Contaminants" or CTR Regulation. The CTR Regulation was adopted by CARB in December 2018 and became effective on January 1, 2020.

CTR Regulation emissions reporting applicability currently is based on three criteria: (1) facilities that are subject to the statewide Greenhouse Gas Mandatory Reporting Rule; (2) facilities with permitted emissions \geq 250 tons/year of nonattainment/precursor pollutants; and (3) "high priority" facilities with certain levels of toxic emissions or health risks. The first year of emissions reporting will begin with 2019 calendar year data reported in 2020 for 12 facilities, identified by CARB, in Ventura County.

CARB is proposing extensive amendments to the CTR regulation which would greatly expand emissions reporting applicability to a large number of additional small emission sources encompassing the vast majority of permitted facilities statewide. These amendments, if adopted,

will greatly increase the number of facilities subject to new criteria pollutant emissions reporting applicability thresholds (4.0 tons/year except CO at 100 tons/year) and require emissions reporting from a wide array of small facilities emitting toxic air contaminants having activity levels over specific thresholds for 52 sectors of facilities. CARB intends to present the CTR amendments to its Board for adoption by the end of 2020. Emissions reporting for the additional applicability facilities will begin in 2024. This expansion of the CTR regulation will have a significant impact on the emission inventory workload at the VCAPCD.

Additionally, staff participates in the CAPCOA AB 617 Emissions Reporting Workgroup formed in December 2017 to interpret the complex and intricate emissions inventory reporting requirements of the AB 617 CTR Regulation and to determine how to implement them on a statewide and local basis. There have been a series of Workgroup conference calls beginning in December 2017 and several in-person meetings with CARB staff at the District for this purpose. VCAPCD staff has attended multiple CTR Regulation implementation workshops since early 2018, and has provided extensive comments on the details of the applicability and implementation of several iterations of the proposed CTR Regulation to both the CAPCOA Workgroup and CARB. We also have performed extensive analysis of our existing emission inventory and provided information to CARB in response to several data requests.

During the second year of AB 617 implementation, VCAPCD Planning, Rules and Incentives Division staff reviewed CARB's proposed amendments to the CTR Regulation expanding emission reporting requirements and provided comments to CAPCOA and CARB. VCAPCD staff reviewed CARB's proposed list of facilities expected to be subject to CTR Regulation initial emissions reporting for inventory year 2019 in 2020. There were Emissions Reporting Workgroup conference calls in January and May 2020 and VCAPCD staff participated in a workshop for the proposed amendments to the CTR Regulation in February 2020. In addition, there was a meeting with CARB staff at the district on March 12, 2020 to discuss the implementation of the proposed CTR amendments by the district.

The CTR Regulation will require considerable improvements in our criteria and toxic pollutant emissions inventory with respect to data quality and level of detail reported. Work on these improvements already has begun. A substantial amount of effort in particular has gone into development of the toxics emissions inventory for AB 617 CTR Regulation emissions reporting. The toxics emissions inventory also will be utilized for the requirements of the AB 2588 Toxics Hot Spots program.

Beginning in September 2019, preliminary toxic air contaminant (TAC) emission factors were developed and sent for review to facilities subject to CTR emissions reporting for inventory year 2019 and to potential AB 2588 high priority risk facilities. An extensive review period with the facilities followed, with some facilities providing their own alternative TAC emission factors. There were in-person meetings with several facilities to discuss TAC emission factors that will be used for CTR reporting and AB 2588. In May 2020, we began integrating the established TAC emission factors into the criteria emissions inventory for AB 617 CTR emissions reporting in August 2020.

In addition to emission inventory reporting, AB 617 has rule development requirements to implement Best Achievable Retrofit Control Technology (BARCT). This has necessitated an assessment of emissions that could be subject to revised district rules to implement BARCT for turbines, boilers, loading racks, flares and other emission sources.

VCAPCD Incentive Programs Targeting Priority Populations:

From the AB 617 perspective, the main focus of the VCAPCD's Incentive Programs which include the Carl Moyer, FARMER and Community Air Protection (CAP) incentive programs has been to achieve emission reductions of diesel particulate. As noted above, the Oxnard region scored poorly with respect to asthma rates in CalEnviroScreen 3.0 and this finding corresponded with information staff obtained from the Ventura County Public Health Department. The CalEnviroScreen 3.0 Report notes a link between diesel particulate and the exacerbation of asthma symptoms in asthmatic children.

On December 11, 2018, the Ventura County Air Pollution Control Board approved \$1,192,602 in funding from the FARMER Program for projects in Ventura County. The funding was allocated as follows: 73 percent was provided for projects in communities classified as both disadvantaged and low income while the remaining 27 percent was allocated to projects in low income communities. These projects will achieve emission reductions of 17.5 tons per year of ozone precursors and 1.1 tons per year of diesel particulate.

Also, on December 11, 2018, the Ventura County Air Pollution Control Board approved \$624,050 in funding from the CAP Incentive Program for emission reduction projects. The funding was allocated as follows: 94 percent was provided for projects in communities classified as both disadvantaged and low income while the remaining 6 percent was allocated to a project in a disadvantaged community. These projects will achieve emission reductions of 4.9 tons per year of ozone precursors and 0.3 tons per year of diesel particulate.

On June 11, 2019, VCAPCD staff conducted a public workshop to solicit input for the upcoming cycle of our Carl Moyer, FARMER and CAP programs. The workshop was conducted at the main Oxnard Public Library during the evening. Approximately 15 people attended the meeting, including members of CFROG, CAUSE, and staff from the Port of Hueneme. The main community concern was diesel trucks in their neighborhoods. This is consistent with VCAPCD staff's approach of focusing on projects that reduce diesel particulate in these communities. The community was pleased with staff's focus on diesel particulate. Staff advised the community that we would be also be soliciting advanced technology projects that would reduce diesel particulate, ozone precursors and greenhouse gases.

IV. Summary of Work Completed Since the Last Progress Report**VCAPCD Public Outreach/Coordination:**

VCAPCD staff attended a meeting with Californians for Pesticide Reform and the Ventura County Public Health Care Agency on 7/24/2019. In addition, VCAPCD reviewed a two page FAQ document describing the organization's "Drift Catcher" device intended to measure pesticide drift. Based on the document description, the "Drift Catcher" model looks like a good way for community involvement and pesticide sampling when the described model is followed. VCAPCD has not been informed of any "Drift Catcher" deployments in the Oxnard area.

The following list of public meetings and hearings included discussion of the CAPP including community engagement and/or CAP Incentive Programs.

- Meeting with several school district representatives and an electric school bus manufacturer regarding incentives for electric school buses and infrastructure on July 18, 2019
- VCAPCD Board of Directors meeting which included agenda items on Clean Air Day and

- incentive projects on September 9, 2019
- The VCAPCD Air Pollution Control Officer on October 2, 2019, attended a community meeting organized by Port of Hueneme aimed at informing the community about their recently purchased community monitor to help better assess community PM exposure, and responded to community questions and concerns regarding air quality issues
 - VCAPCD Board of Directors meeting which included an agenda item on CAPP incentive projects on January 14, 2020
 - VCAPCD Board of Directors meeting which included a status report on the District's air quality incentive programs including Carl Moyer, CAPP and FARMER on February 11, 2020
 - VCAPCD Board of Directors meeting which included agenda items on incentive projects and a resolution supporting increased funding for the FARMER Program on March 10, 2020
 - VCAPCD Board of Directors meeting which included an agenda item on CAPP incentive projects on May 12, 2020

Additional outreach was conducted during VCAPCD's participation in the Ventura County EV Ride and Drive Event on September 17, 2019 where staff interacted with approximately 100 people. VCAPCD also set up an information booth at Ventura County's Government Center on Clean Air Day, October 2, 2019, and interacted with dozens of people. Last, an email soliciting input on VCAPCD's Year 2 proposed CAP Incentive Program projects was sent to approximately 25 people on VCAPCD's Community Air Protections Program Mailing List on April 22, 2020.

In an effort to continue the collaborative relationship with community groups and provide technical support, VCAPCD staff allowed the collocation several newly purchased low-cost monitors by CFROG adjacent to VCAPCD-owned FRMs to assist them with the assessment of calibration, responsiveness and reliability issues associated with such monitors relative to FRMs. The project, which commenced in spring of 2020, is expected to last several months.

VCAPCD staff's outreach and community coordination effort on the Port of Hueneme's PHRESH Plan included a meeting with Port staff in October 2019. In February 2020, Port of Hueneme and VCAPCD staff met to discuss strategies for public outreach, including establishing a working group of community members, local industry, environmental groups and the district, similar to other CAPP working groups that have been created throughout the state. On March 11, 2020, the VCAPCD Air Pollution Control Officer attended a brainstorming meeting with the Port of Hueneme executives focusing on identifying strategies that could further improve community outreach and engagement in the future as well as identifying and prioritizing air pollution reduction efforts that could further reduce the emission signatures of port-related activities and corresponding community exposure.

BARCT Rule Implementation in Disadvantaged Communities:

Staff reviewed the cost effectiveness (CE) methodology and threshold to determine effectiveness of implementing BARCT rule amendments. When comparing different methodologies, it was discovered that the Discounted Cash Flow (DCF) method was only used by SCAQMD, while all other Districts in California used the Levelized Cash Flow (LCF) method. Staff determined that continuing to use the LCF resulted in the easiest comparison between VCAPCD and other Districts. Staff proposed adjustments to BACT CE levels to be comparable with neighboring Districts at \$30,000 per ton for both ROC and NOx. Staff also proposed creating a new CE threshold for BARCT rule amendments at \$39,000 per ton of NOx reduction. The VCAPCD Board adopted both thresholds on November 12, 2019.

On July 25, 2019, VCAPCD staff conducted a public workshop to solicit input on proposed amendments which implemented BARCT for all stationary gas turbines rated at >0.3 MW output. Proposed amendments implemented comments from industry, resulting in the maximum amount of emission reductions while still being cost-effective. Following the AB 617 Expedited BARCT Rulemaking Schedule, BARCT amendments were adopted for VCAPCD Rule 74.23, Stationary Gas Turbines on November 12, 2019.

Using the updated BARCT CE threshold, amendments to Rule 74.23 will reduce NOx emissions from this source category by 38 tons NOx per year by January 1, 2024. Additionally, an alternative emission reduction strategy was selected by one facility which determined the cost of compliance exceeded BARCT cost-effectiveness threshold. The facility is committed to remit \$7 million to VCAPCD to create a community incentive fund to be used to fund NOx emissions reduction projects the neighboring community which includes priority populations.

Staff is on track to host a workshop for BARCT amendments to Rule 74.15, Boilers, Steam Generators, and Process Heaters early 3rd quarter 2020 with the goal of adopting amendments by December 1, 2020.

VCAPCD Emission Inventory and Reporting Programs:

The following is a list of activities and accomplishments pertaining to the VCAPCD Emission Inventory and Reporting Programs from July 2019 through present.

- Reviewed CARB's proposed amendments to the Criteria and Toxics Emissions Reporting Regulation (CTR Regulation) expanding emission reporting requirements and provided comments to CAPCOA and CARB
- Reviewed CARB's proposed list of facilities expected to be subject to CTR Regulation initial emissions reporting in 2020 for inventory year 2019
- Participated in CAPCOA AB 617 Emissions Reporting Workgroup conference calls in January and May 2020
- Participated in a CARB workshop for the proposed amendments to the CTR Regulation in February 2020
- Met with CARB staff at the district to discuss the implementation of the proposed CTR amendments by the district on March 12, 2020
- Developed preliminary Toxic Air Contaminant (TAC) emission factors and sent them for review to facilities subject to CTR emissions reporting for inventory year 2019 and to potential AB2588 high priority risk facilities
- Met with facilities to discuss TAC emission factors to be used for CTR reporting and AB2588
- Revised TAC emission factors in consultation with facilities
- Began integrating TAC emission factors into the criteria emissions inventory for AB 617 CTR emissions reporting due in August 2020
- Met with Port of Hueneme representatives to discuss their Port of Hueneme Reducing Emissions Supporting Health (PHRESH) Plan to quantify and reduce criteria and greenhouse gas air emissions associated with activities at the port in October 2019
- Met with Port of Hueneme representatives to discuss strategies for public outreach for the PHRESH Plan in February 2020
- Participated in Emissions Inventory Technical Working Group for Port Hueneme's Inventory of Air Emissions for Calendar Years 2018, 2017 and 2008 report

- Reviewed the draft Inventory of Air Emissions for Calendar Years 2018, 2017 and 2008 report and provided comments to Starcrest Consulting
- Participated in the Emissions Inventory Technical Working Group conference call to discuss comments on and revisions to Draft report in December 2019
- All comments received on the draft report were addressed by Starcrest Consulting, and the Inventory of Air Emissions for Calendar Years 2018, 2017 and 2008 report was finalized in late January 2020

VCAPCD Incentive Programs Targeting Priority Populations:

On November 11, 2019, the Ventura County Air Pollution Control Board approved \$1,119,772 in FARMER Program funds to projects located in Ventura County. The funding was allocated as follows:

- 62 percent for projects in communities classified as both disadvantaged and low income,
- 35 percent for projects in low income communities, and
- 3 percent for projects in disadvantaged (but not low income) communities.

These projects will achieve emission reductions of 12.1 tons per year of ozone precursors, 0.9 tons per year of diesel particulate, and a total greenhouse gas reduction of 135 metric tons of carbon dioxide equivalent (MTCO_{2e}).

VCAPCD published a list of CAP Incentive Program Year 2 proposed projects on its website in March 2020. VCAPCD staff sent an email soliciting input on VCAPCD's Year 2 proposed CAP Incentive Program projects to approximately 25 people on VCAPCD's Community Air Protection Program Mailing List on April 22, 2020. VCAPCD received no response or input on the proposed projects. On May 12, 2020 the VCAPCD Board approved \$1,752,100 in CAPP Incentive Funds to assist three school districts replace four diesel school buses with zero-emission buses and install the necessary electric vehicle charging infrastructure. All of the school districts receiving funding serve priority populations and the funding was allocated as follows:

- 73 percent for projects in communities classified as both disadvantaged and low income, and
- 27 percent for projects in low income communities.

These projects will achieve emission reductions of 0.8 tons per year of ozone precursors, 0.01 tons per year of diesel particulate, and a total greenhouse gas reduction of 83.4 MTCO_{2e}.

V. Grant Funds Remaining and Expended

See Attachment 2

VI. Expenditure Summary - Community Air Protection Implementation Funds

See Attachment 3

VCAPCD Staff Contacts:

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II. COSTS ASSOCIATED WITH SPECIFIC TASKS
 VENTURA COUNTY AIR POLLUTION CONTROL
 AB617 COMMUNITY AIR PROTECTION PROGRAM - IMPLEMENTATION

SUMMARY OF COSTS - May 1, 2019 to March 31, 2020		Dr. Laki Tsiopoulos	Ali Ghasemi	Ali Lakhdar-Hamina	Danny Mcquillan	Alan Ballard	Wunna Aung	Leonie Macaraeg	Elizabeth Macias	Mike Villegas	
Program Component	Need	Air Pollution Control Officer	Planning Manager	Engineer	Engineer	Supv. AQ Specialist	AQ Specialist	Fiscal Officer	Fiscal Technician	EX-APCO	Total
	Costs	\$ 17,294.71	\$ 42,353.53	\$ 23,740.24	\$ 66,655.25	\$ 4,465.18	\$ 115,428.26	\$ 1,564.27	\$ 1,658.35	\$ 1,956.15	\$ 275,115.94
	Hours reported	115.40	487.32	363.90	1,002.40	63.00	1,736.50	21.00	42.50	13.50	3,845.52
Community Monitoring	Staff to maintain equipment, assess and analyze data, and to conduct short-term monitoring studies. Additional permanent, regulatory-quality, air quality monitoring equipment for tracking long-term progress. New equipment for mobile monitoring and other short-term monitoring studies. New software for data management, assessment and visualization.										
Community Emissions Reduction Plans	Coordination of the AB 617 development process. New software for project tracking.										
Community Engagement	Working with communities to prepare them for the AB 617 process.	12.00	12.85		4.00					-	28.85
	Grants to local communities for their participation and engagement.	21.00	11.40		28.40					-	60.80
Review of Best Available Retrofit Control Technology	Review existing controls for sources that contribute to emissions at facilities subject to Cap-and-Trade. Develop and conduct CEQA review on schedule to implement new control requirements.	60.40	247.56							13.50	321.46
			14.84	363.90	970.00	1.10					1,349.85
Emissions Reporting Coordination	Develop new, statewide emissions calculations protocols.	12.00	164.96			61.90	1,736.50			-	1,975.35
	Software enhancements to improve quality of reported data.		35.71								35.71
Overhead	Executive time to coordinate/oversee program development.	10.00								-	10.00
	Legal services for CEQA analysis and regulatory development.										
	Administrative overhead for new staff and contracts.							21.00	42.50		63.50
Total		115.40	487.32	363.90	1,002.40	63.00	1,736.50	21.00	42.50	13.50	3,845.52

V. Grant Funds Remaining and Expended

Grant Amount	\$212,597.00
First Disbursement Request, December 2019 (5/1/19-10/31/19)	(177,457.14)
Second Disbursement Request, May 2020 (11/1/19-3/31/20)	(35,139.86)
	<hr/>
Remaining balance	\$0.00

VI. **Expenditure Summary** showing all Community Air Protection Program Implementation Funds for which reimbursement is being requested

AB 617 COMMUNITY AIR PROTECTION PROGRAM		SUMMARY OF EXPENDITURES: LABOR AND OTHER COSTS				
5/1/19 to 10/31/19		FY 2018-19 - <u>FIRST DISBURSEMENT REQUEST, December 2019</u>				
		<u>Salary Rates by Classification</u>	<u>Labor Hours</u>	<u>Salary Costs</u>	<u>Fringe</u>	<u>Total</u>
AIR POLLUTION CONTROL OFFICER	VILLEGAS/TISOPULOS	111.43	33.90	\$ 3,777.89	\$ 1,133.37	\$ 4,911.26
MANAGER, PLANNING & RULES	GHAEMI	66.72	422.32	28,177.19	8,453.16	36,630.35
AQ ENGINEER	LAKHDAR	50.08	437.30	21,899.98	6,570.00	28,469.98
AQ ENGINEER	MOQUILLAN	50.08	628.00	31,450.24	9,435.07	40,885.31
SUPERVISING AQ SPECIALIST	BALLARD	55.42	28.00	1,551.76	465.53	2,017.29
AQ SPECIALIST II	AUNG	50.48	955.50	48,233.64	14,470.09	62,703.73
FISCAL OFFICER	MACARAEG	58.78	11.00	646.58	193.97	840.55
FISCAL ASSISTANT IV	MACIAS	29.60	26.00	769.60	230.88	1,000.48
			2,542.02	136,506.89	40,952.07	177,458.96
TOTAL AB 617 EXPENDITURES, FIRST DISBURSEMENT REQUEST						\$ 177,457.14 A

AB 617 COMMUNITY AIR PROTECTION PROGRAM		SUMMARY OF EXPENDITURES - LABOR AND OTHER COSTS				
11/1/19-3/31/20		FY 2018-19 - <u>SECOND DISBURSEMENT REQUEST, May 2020</u>				
		<u>Salary Rates by Classification</u>	<u>Labor Hours</u>	<u>Salary Costs</u>	<u>Fringe</u>	<u>Total</u>
AIR POLLUTION CONTROL OFFICER	TISOPULOS	\$ 116.11	95.0	11,030.45	3,309.14	14,339.59
MANAGER, PLANNING & RULES	GHAEMI	67.73	65.0	4,402.45	1,320.74	5,723.19
AQ ENGINEER	LAKHDAR	53.77	10.0	537.70	161.31	699.01
AQ ENGINEER	MOQUILLAN	53.77	291.0	15,647.07	4,694.12	20,341.19
SUPERVISING AQ SPECIALIST	BALLARD	53.80	35.0	1,883.00	564.90	2,447.90
AQ SPECIALIST II	AUNG	51.93	781.0	40,557.33	12,167.20	52,724.53
FISCAL OFFICER	MACARAEG	55.67	10.0	556.70	167.01	723.71
FISCAL TECHNICIAN	MACIAS	30.67	16.5	506.06	151.82	657.87
			1,303.50	75,120.76	22,536.23	97,656.98
Total						97,656.98 B
Less - expenditures over the grant amount						(62,517.12)
TOTAL AB 617 EXPENDITURES, SECOND DISBURSEMENT REQUEST						35,139.86 C

FY 2018-19 TOTAL GRANT EXPENDITURES	\$ 275,114.12 A+B
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FY 2018-19 GRANT TOTAL DISBURSEMENT REQUEST	\$ 212,597.00 A+C
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