



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

A G E N D A

MEETING, FEBRUARY 2, 2018

A meeting of the South Coast Air Quality Management District Board will be held at 9:00 a.m., in the Auditorium at SCAQMD Headquarters, 21865 Copley Drive, Diamond Bar, California.

Questions About an Agenda Item

- The name and telephone number of the appropriate staff person to call for additional information or to resolve concerns is listed for each agenda item.
- In preparation for the meeting, you are encouraged to obtain whatever clarifying information may be needed to allow the Board to move expeditiously in its deliberations.

Meeting Procedures

- The public meeting of the SCAQMD Governing Board begins at 9:00 a.m. The Governing Board generally will consider items in the order listed on the agenda. However, any item may be considered in any order.
- After taking action on any agenda item not requiring a public hearing, the Board may reconsider or amend the item at any time during the meeting.

Questions About Progress of the Meeting

- During the meeting, the public may call the Clerk of the Board's Office at (909) 396-2500 for the number of the agenda item the Board is currently discussing.

The agenda and documents in the agenda packet will be made available upon request in appropriate alternative formats to assist persons with a disability. Disability-related accommodations will also be made available to allow participation in the Board meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated to the extent feasible. Please telephone the Clerk of the Boards Office at (909) 396-2500 from 7:00 a.m. to 5:30 p.m. Tuesday through Friday.

All documents (i) constituting non-exempt public records, (ii) relating to an item on the agenda, and (iii) having been distributed to at least a majority of the Governing Board after the agenda is posted, are available prior to the meeting for public review at the South Coast Air Quality Management District Clerk of the Board's Office, 21865 Copley Drive, Diamond Bar, CA 91765.

The Agenda is subject to revisions. For the latest version of agenda items herein or missing agenda items, check the District's web page (www.aqmd.gov) or contact the Clerk of the Board, (909) 396-2500. Copies of revised agendas will also be available at the Board meeting.

CALL TO ORDER

- Pledge of Allegiance
- Opening Comments: William A. Burke, Ed.D., Chair
Other Board Members
Wayne Nastri, Executive Officer
- Swearing in of Reappointed Board Members Marion Ashley and Shawn Nelson **Burke**

Staff/Phone (909) 396-

CONSENT CALENDAR (Items 1 through 19)

Note: Consent Calendar items held for discussion will be moved to Item No. 20

1. Approve Minutes of January 5, 2018 Board Meeting **Garzaro/2500**
2. Set Public Hearings March 2, 2018 to Consider Adoption of and/or Amendments to SCAQMD Rules and Regulations: **Nastri/3131**
 - Certify Final Environmental Assessment and Amend Rule 1111 – Reduction of NOx Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces **Nakamura/3105**

Rule 1111 was amended in 2009 to lower the NOx emission limit for natural-gas-fired fan-type residential furnaces from 40 to 14 nanograms per Joule (ng/J), and amended again in 2014 to provide manufacturers additional time to develop and commercialize compliant units by allowing a mitigation fee option. Although three manufacturers have certified furnaces, only one has a commercialized product available for sale. Additional time is needed to commercialize a range of compliant units for the various categories. Proposed Amended Rule 1111 will increase and extend the mitigation fee alternative compliance option. Proposed Amended Rule 1111 will also prevent the installation of propane furnaces in the SCAQMD capable of being fired on natural gas without proper certification. A companion to the proposed rule amendments will be a rebate program to encourage manufacturers to commercialize and to incentivize consumers to purchase compliant furnaces. An RFP for a contractor to assist staff with implementing this rebate program was approved for release at the December 1, 2017 Board meeting. This action is to adopt the Resolution: 1) Certifying the Final Environmental Assessment for Proposed Amended Rule 1111 – Reduction of NOx Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces; and 2) Amending Rule 1111 – Reduction of NOx Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces. (Reviewed: Stationary Source Committee, November 17, 2017 and January 19, 2018)

Budget/Fiscal Impact

3. Demonstrate Zero Emission Cargo Handling Vehicles at Port of Long Beach **Miyasato/3249**

The Port of Long Beach and its project partners have received \$5.3 million in funding from CARB through its Low Carbon Transportation Investments and Air Quality Improvement Program grant solicitation to demonstrate five zero emission cargo handling vehicles at the Port of Long Beach. This demonstration includes three battery electric top handlers, one battery electric yard truck and one hydrogen fuel cell yard truck. The project will provide a unique opportunity to directly compare the performance of battery electric trucks to hydrogen fuel cell trucks. Project partners include CARB, Port of Long Beach, Long Beach Container Terminal and SSA Marine Terminal for a total project cost of \$8.3 million. This action is to execute a contract with the Port of Long Beach in an amount not to exceed \$350,000 from the Clean Fuels Fund (31). (Reviewed: Technology Committee, January 19, 2018; Recommended for Approval)

4. Renew California Fuel Cell Partnership Membership and Participation, Receive and File California Fuel Cell Partnership Board Meeting Agenda and Quarterly Updates, and Participate in California Hydrogen Infrastructure Research Consortium **Miyasato/3249**

Since early 2000, SCAQMD has been a California Fuel Cell Partnership (CaFCP) member and for even longer has been building partnerships with various California agencies and national laboratories. These partners propose forming a consortium focused on near-term hydrogen infrastructure, and recently submitted a joint proposal led by GO-Biz to advance hydrogen infrastructure relevant to the DOE H2@Scale Initiative, a concept to explore wide-scale hydrogen production and utilization in the U.S. These actions are to execute one or more contracts with Frontier Energy, Inc., acting on behalf of the CaFCP, in an amount not to exceed \$245,000 from the Clean Fuels Program Fund (31) to renew SCAQMD's CaFCP membership for 2018, cofund 50 percent of the CaFCP Regional Coordinator position, and provide support for fuel cell truck and bus codes and standards coordination as well as to receive and file the last CaFCP Board Meeting Agenda and recent Quarterly Updates. This action is to also execute an agreement with the National Renewable Energy Laboratory for \$100,000 from the Clean Fuels Program Fund (31) to participate in the California Hydrogen Infrastructure Research Consortium. (Reviewed: Technology Committee, January 19, 2018; Recommended for Approval)

5. Recognize Revenue to Develop Test Standard for Performance Verification of Low-Cost Indoor Air Quality Sensors **Low/2269**

DOE's Office of Energy Efficiency and Renewable Energy awarded its competitive research grant, "Building America Industry Partnerships for High Performance Housing Innovation," to Newport Partners, LLC, to develop an American Society for Testing and Materials test standard for performance verification of low-cost indoor air quality sensors. SCAQMD and researchers from Home Ventilating Institute and Texas A&M Riverside Energy Efficiency Laboratory will collaborate with Newport Partners, LLC, on the development of this test standard. This action is to recognize revenue up to \$56,106 from Newport Partners, LLC, to support collaboration of this project. (Reviewed: Technology Committee, January 19, 2018; Recommended for Approval)

6. **Recognize Revenue and Appropriate and Transfer Funds for U.S. EPA PAMS Program and Issue RFQ and Purchase Orders for Equipment** **Low/2269**

SCAQMD was awarded \$200,000 in U.S. EPA Clean Air Act Section 105 Grant funds in FY 2018 to be an early adopter of the new PAMS program requirements in advance of the 2019 deadline. Staff recommends that a portion of remaining FY 2017 PAMS funds be reallocated to purchase air monitoring equipment. These actions are to recognize revenue and appropriate funds into the FYs 2017-18 and/or 2018-19 Science & Technology Advancement Budgets for the partial implementation of the FY 2018 (26th Year) PAMS Program, transfer funds between Major Objects, and issue an RFQ and purchase orders for equipment to conduct air monitoring, VOC analyses and meteorological measurements. (Reviewed: Administrative Committee, January 12, 2018; Recommended for Approval)
7. **Issue Request for Qualifications for Technical Assistance to Support Technology Advancement Activities** **Minassian/2641**

This action is to issue a Request for Qualifications (RFQ) to solicit statements of qualifications from individuals and organizations capable of providing technical expertise in a variety of specialized areas to support SCAQMD's technology advancement activities and implementation efforts. It is anticipated that multiple awards for level-of-effort contracts will be made from this RFQ. (Reviewed: Technology Committee, January 19, 2018; Recommended for Approval)
8. **Authorize Funding, Recognize Anticipated Revenue and Conduct Air Quality Conferences for Seniors** **Alatorre/3122**

SCAQMD seeks to continually foster awareness and an increased understanding of air quality and related health issues across all age groups. Seniors represent a unique target audience and SCAQMD strives to empower seniors to become active participants in improving air quality as well as provide information on what they can do in their home, neighborhood and community. This action is to authorize funding for conference expenditures up to \$225,000 from the BP ARCO Settlement Projects Fund (46), recognize anticipated revenue, and conduct two air quality conferences for seniors. (Reviewed: Administrative Committee, January 12, 2018; Recommended for Approval)
9. **Establish List of Prequalified Vendors to Provide Computer, Network, Printer, Hardware and Software, and Audio Visual Equipment** **Moskowitz/3329**

On November 3, 2017, the Board approved the release of a Request for Qualifications and Quotations (RFQQ) to prequalify vendors for computer, network, printer, hardware and software, and audio visual equipment. As a result of successful responses to this RFQQ, twelve vendors were identified as capable of providing these products. This action is to approve these twelve vendors to provide these products for a two-year period. Funds (\$195,000) for these purchases are included in the FY 2017-18 Budget. (Reviewed: Administrative Committee, January 12, 2018; Recommended for Approval)

10. **Execute Contract for Data Cabling Infrastructure Upgrade** **Moskowitz/3329**

On November 3, 2017, the Board approved the release of an RFP to select a vendor capable of replacing SCAQMD's outdated fiber infrastructure system at the Diamond Bar Headquarters. Six vendors responded to the RFP. Among the responses, Digital Networks Group, Inc. is the recommended vendor for providing the new fiber infrastructure system based on achieving the most points on the RFP evaluation criteria. This action is to execute a contract with Digital Networks Group, Inc. to upgrade the data cabling infrastructure. Funds (\$311,202) for this purchase are included in the FY 2017-18 Budget. (Reviewed: Administrative Committee, January 12, 2018; Recommended for Approval)

11. **Authorize Purchase of Servers and Storage Devices Maintenance and Support Services** **Moskowitz/3329**

The servers and storage devices are used by enterprise-level software applications that currently support the Clean Air Support System for all SCAQMD core activities. Maintenance support for these computers expire on April 30, 2018. This action is to obtain approval for the sole source purchase of hardware and software maintenance and support services for servers and storage devices from Hewlett Packard Company for one year. Funds (\$120,000) for this expense are included in the FY 2017-18 Budget. (Reviewed: Administrative Committee, January 12, 2018; Recommended for Approval)

12. **Approve Contract Awards and Modification as Approved by MSRC** **Pettis**

As part of their FYs 2016-18 AB 2766 Discretionary Fund Work Program, the MSRC approved new contracts under the Major Event Center Transportation, Natural Gas Infrastructure, Local Government Partnership, and County Transportation Commission Partnership Programs. The MSRC also approved a modification to a contract under the Local Government Match Program as part of their FYs 2014-16 Work Program. At this time the MSRC seeks Board approval of the contract awards and modification. (Reviewed: Mobile Source Air Pollution Reduction Review Committee, January 18, 2018; Recommended for Approval)

13. **Approve Funding for Air Filtration Systems at East Los Angeles Schools** **Wiese/3460**

This item is to consider approval of funding for air filtration systems at Plaza Community Services Center, Resurrection Church Elementary School, and Salesian High School in the total amount of \$250,000. The funding is provided pursuant to a settlement agreement with Brenntag Pacific, Inc. The settlement agreement provided that \$250,000 in settlement funds would be used for supplemental environmental projects. The schools are located in East Los Angeles, near the location where Brenntag Pacific's air pollution violations occurred. This item also transfers the \$250,000 in funding for the supplemental environmental project from the General Fund to Fund 75, the Air Filtration Fund, and authorizes the Executive Officer to enter into a contract in a total amount up to \$250,000 with IQ Air to install filters at the schools. (Reviewed: Special Administrative Committee, January 29, 2018; Recommended for Approval)

Items 14 through 19 - Information Only/Receive and File

14. **Legislative, Public Affairs and Media Report** **Alatorre/3122**

This report highlights the December 2017 outreach activities of the Legislative, Public Affairs and Media Office, which include: Environmental Justice Update, Community Events/Public Meetings, Business Assistance, Media Relations, and Outreach to Business, Federal, State, and Local Government. (No Committee Review)
15. **Hearing Board Report** **Prussack/2500**

This reports the actions taken by the Hearing Board during the period of December 1 through December 31, 2017. (No Committee Review)
16. **Civil Filings and Civil Penalties Report** **Wiese/3460**

This reports the monthly penalties from December 1 through December 31, 2017, and legal actions filed by the General Counsel's Office from December 1 through December 31, 2017. An Index of District Rules is attached with the penalty report. (Reviewed: Stationary Source Committee, January 19, 2018)
17. **Lead Agency Projects and Environmental Documents Received by SCAQMD** **Nakamura/3105**

This report provides, for the Board's consideration, a listing of CEQA documents received by the SCAQMD between December 1, 2017 and December 31, 2017, and those projects for which the SCAQMD is acting as lead agency pursuant to CEQA. (Reviewed: Mobile Source Committee, January 19, 2017)
18. **Rule and Control Measure Forecast** **Fine/2239**

This report highlights SCAQMD rulemaking activities and public workshops potentially scheduled for 2018. (No Committee Review)
19. **Status Report on Major Ongoing and Upcoming Projects for Information Management** **Moskowitz/3329**

Information Management is responsible for data systems management services in support of all SCAQMD operations. This action is to provide the monthly status report on major automation contracts and planned projects. (Reviewed: Administrative Committee, January 12, 2017)
20. **Items Deferred from Consent Calendar**

BOARD CALENDAR

- 21A. Administrative Committee (Receive & File) Chair: Burke Nastri/3131
- 21B. Special Administrative Committee (Receive & File) Chair: Burke Nastri/3131
22. Legislative Committee Chair: Mitchell Alatorre/3122
- Receive and file; and take the following action as recommended:
- | Agenda Item | Recommendation |
|---|----------------|
| Proposed Legislative Concept for Approval | Approve |
23. Mobile Source Committee (Receive & File) Chair: Parker Fine/2239
24. ***This item has been withdrawn by staff.***
25. Technology Committee (Receive & File) Chair: Buscaino Miyasato/3249
26. Mobile Source Air Pollution Reduction Review Committee (Receive & File) Board Liaison: Benoit Minassian/2641
27. Stationary Source Committee (Receive & File) Chair: Benoit Tisopulos/3123

Staff Presentation/Board Discussion

28. Update on Community Air Toxics Monitoring Efforts (*Presentation in Lieu of Board Letter*) Low/2269

The SCAQMD is conducting several community monitoring efforts as part of an overall aim to reduce air toxics impacts on local communities. These efforts stem from rule-related requirements, state mandated programs, SCAQMD sponsored initiatives, and grant funded projects through the U.S. EPA STAR and Citizen Science grants. These efforts include monitoring near refineries and other petroleum sources, facilities emitting toxic metals, and communities near major truck routes or other air pollution sources. This presentation describes the overall framework and timeline for these community monitoring activities, how these efforts are complementary and how the lessons learned from each effort will inform future projects. In addition, the SCAQMD is coordinating with other agencies' community and fence line monitoring efforts to ensure that efforts are not duplicated and that the monitoring and outreach resources are positioned to achieve the greatest community benefit. (No Committee Review)

29. Status Report on Regulation XIII – New Source Review

Tisopulos/3123

This report presents the federal preliminary determination of equivalency for January 2016 through December 2016. As such, it provides information regarding the status of Regulation XIII – New Source Review in meeting federal NSR requirements and shows that SCAQMD's NSR program is in preliminary compliance with applicable federal requirements from January 2016 through December 2016. (Reviewed: Stationary Source Committee, January 19, 2018)

PUBLIC HEARING

30. Determine that Proposed Amendments to BACT Guidelines are Exempt from CEQA and Amend BACT Guidelines

Miyasato/3249

Periodically, staff proposes amendments to the BACT Guidelines to add new determinations or reflect updates. These actions are to add new and amended listings to Part B, Lowest Achievable Emission Rate and BACT Determinations for Major Polluting Facilities and Part D, BACT Determinations for Non-Major Polluting Facilities. Additionally, these actions are to determine the proposed amendments to the BACT Guidelines are exempt from CEQA and amend the BACT Guidelines to make them consistent with recent changes to SCAQMD rules and regulations as well as state requirements. (Reviewed: Stationary Source Committee, January 19, 2018)

PUBLIC COMMENT PERIOD – (Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3)

BOARD MEMBER TRAVEL – (No Written Material)

Board member travel reports have been filed with the Clerk of the Boards, and copies are available upon request.

CONFLICT OF INTEREST DISCLOSURES – (No Written Material)

Under the approval authority of the Executive Officer, the District will enter into a contract with Gladstein, Neandross & Associates. (Contract No. C18145), as well as contract modifications with Sonoma Technology, Inc. (Contract Nos. C171861 & C141884). Gladstein, Neandross & Associates is a potential source of income for Governing Board Member Joseph Lyou, which qualifies for the remote interest exception of Section 1090 of the California Government Code. Additionally, Sonoma Technology, Inc. has entered into a contractual relationship with Dr. Lyou's non-profit employer, which also qualifies for the remote interest exception of Section 1090 of the Code. Dr. Lyou abstained from any participation in the making of the contract and contract modifications.

CLOSED SESSION - (No Written Material)

Wiese/3460

CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

It is necessary for the Board to recess to closed session pursuant to Government Code sections 54956.9(a) and 54956.9(d)(1) to confer with its counsel regarding pending litigation which has been initiated formally and to which the SCAQMD is a party. The actions are:

- In the Matter of SCAQMD v. Aerocraft Heat Treating Co., Inc. and Anaplex Corp., SCAQMD Hearing Board Case No. 6066-1 (Order for Abatement);
- SCAQMD v. Anaplex, Los Angeles Superior Court Case No. BC608322 (Paramount Hexavalent Chromium);
- Arizona v. Bahr, United States Supreme Court Case No. 16-1369 (Contingency Measures);
- In the Matter of SCAQMD v. Browning-Ferris Industries of California, Inc. dba Sunshine Canyon Landfill, Hearing Board Case No. 3448-14;
- Communities for a Better Environment v. SCAQMD, Los Angeles Superior Court Case No. BS161399 (RECLAIM);
- Communities for a Better Environment v. South Coast Air Quality Management District, Los Angeles Superior Court Case No. BS169841; Safe Fuel and Energy Resources California, et al. v. South Coast Air Quality Management District, Los Angeles Superior Court Case No. BS169923 (Tesoro);
- People of the State of California, ex rel. SCAQMD v. Exide Technologies, Inc., Los Angeles Superior Court Case No. BC533528;
- In re: Exide Technologies, Inc., U.S. Bankruptcy Court, District of Delaware, Case No. 13-11482 (KJC) (Bankruptcy Case);
- Fast Lane Transportation, Inc. et al. v. City of Los Angeles, et al., Court of Appeals, First Appellate District, Case No. A148993 (formerly Contra Costa County Superior Court Case No. MSN14-0300) (SCIG);
- Ferguson v. Coachella Valley Association of Governments, Riverside County Transportation Commission and South Coast Air Quality Management District, Riverside Superior Court Case No. PSC 1705629 (CV Link);
- SCAQMD v. EPA, U.S. Court of Appeals, D.C. Circuit, Case No. 15-1115 (consolidated with 15-1123, Sierra Club, et al. v. EPA) (Out-of-Area RFP);
- South Coast Air Quality Management District v. Top Shelf Consulting LLC, Los Angeles Superior Court, Case No. BC676606;
- In the Matter of SCAQMD v. Torrance Refining Company, LLC, SCAQMD Hearing Board Case No. 6060-5 (Order for Abatement);
- Gluck vs. South Coast Air Quality Management District, WCAB Case No. ADJ 9937438; and
- Zbigniew (Phil) Szymanski v. SCAQMD, WCAB No: ADJ9752399.

CONFERENCE WITH LEGAL COUNSEL – INITIATING LITIGATION

It is also necessary for the Board to recess to closed session pursuant to Government Code section 54956.9(a) and 54956.9(d)(4) to consider initiation of litigation (two cases)—one case is a potential amicus brief in Valero Refining Co. v. Hearing Board of the BAAQMD, San Francisco Superior Court Case No. CPF-15-514407/Valero Refining Company – California v. Hearing Board of the Bay Area Air Quality Management District, et al., California Court of Appeals Case No. A151004.

CONFERENCE WITH NEGOTIATORS

It is also necessary to recess to closed session pursuant to Government Code Section 54957.6 to confer regarding upcoming labor negotiations with:

- designated representatives regarding represented employee salaries and benefits or other mandatory subjects within the scope of representation [Negotiator: A. John Olvera; Represented Employees: Teamsters Local 911 and SCAQMD Professional Employees Association];

and to confer with:

- labor negotiators regarding unrepresented employees [Agency Designated Representative: A. John Olvera; Unrepresented Employees: Designated Deputies and Management and Confidential employees].

PUBLIC EMPLOYEE EMPLOYMENT/APPOINTMENT

It is also necessary for the Board to recess to closed session pursuant to Government Code section 54957 as specified below:

Title: General Counsel

CONFERENCE WITH NEGOTIATORS RE COMPENSATION

It is also necessary to recess to closed session pursuant to Government Code section 54957.6: Agency Designated Representatives: Kurt R. Wiese and A. John Olvera

Unrepresented Employee: General Counsel

OPEN SESSION

31. Approval of Contract and Public Employee Compensation
(*No Written Material*)

Burke

Title: General Counsel

ADJOURNMENT

*****PUBLIC COMMENTS*****

Members of the public are afforded an opportunity to speak on any agenda item before consideration of that item. Please notify the Clerk of the Board, (909) 396-2500, if you wish to do so. All agendas are posted at SCAQMD Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of the meeting. At the end of the agenda, an opportunity is also provided for the public to speak on any subject within the SCAQMD's authority. Speakers will be limited to a total of three (3) minutes for the Consent Calendar and Board Calendar and three (3) minutes or less for other agenda items.

Note that on items listed on the Consent Calendar and the balance of the agenda any motion, including action, can be taken (consideration is not limited to listed recommended actions). Additional matters can be added and action taken by two-thirds vote, or in the case of an emergency, by a majority vote. Matters raised under the Public Comment Period may not be acted upon at that meeting other than as provided above.

Written comments will be accepted by the Board and made part of the record, provided 25 copies are presented to the Clerk of the Board. Electronic submittals to cob@agmd.gov of 10 pages or less including attachment, in MS WORD, PDF, plain or HTML format will also be accepted by the Board and made part of the record if received no later than 5:00 p.m., on the Tuesday prior to the Board meeting.

ACRONYMS

AQ-SPEC = Air Quality Sensor Performance
Evaluation Center

AQIP = Air Quality Investment Program

AQMP = Air Quality Management Plan

AVR = Average Vehicle Ridership

BACT = Best Available Control Technology

Cal/EPA = California Environmental Protection Agency

CARB = California Air Resources Board

CEMS = Continuous Emissions Monitoring Systems

CEC = California Energy Commission

CEQA = California Environmental Quality Act

CE-CERT = College of Engineering-Center for Environmental
Research and Technology

CNG = Compressed Natural Gas

CO = Carbon Monoxide

CTG = Control Techniques Guideline

DOE = Department of Energy

EV = Electric Vehicle

FY = Fiscal Year

GHG = Greenhouse Gas

HRA = Health Risk Assessment

LEV = Low Emission Vehicle

LNG = Liquefied Natural Gas

MATES = Multiple Air Toxics Exposure Study

MOU = Memorandum of Understanding

MSERCs = Mobile Source Emission Reduction Credits

MSRC = Mobile Source (Air Pollution Reduction) Review
Committee

NATTS = National Air Toxics Trends Station

NESHAPS = National Emission Standards for
Hazardous Air Pollutants

NGV = Natural Gas Vehicle

NOx = Oxides of Nitrogen

NSPS = New Source Performance Standards

NSR = New Source Review

OEHA = Office of Environmental Health Hazard
Assessment

PAMS = Photochemical Assessment Monitoring Stations

PAR = Proposed Amended Rule

PEV = Plug-In Electric Vehicle

PHEV = Plug-In Hybrid Electric Vehicle

PM10 = Particulate Matter \leq 10 microns

PM2.5 = Particulate Matter \leq 2.5 microns

PR = Proposed Rule

RECLAIM = Regional Clean Air Incentives Market

RFP = Request for Proposals

RFQ = Request for Quotations

SCAG = Southern California Association of Governments

SIP = State Implementation Plan

SOx = Oxides of Sulfur

SOON = Surplus Off-Road Opt-In for NOx

SULEV = Super Ultra Low Emission Vehicle

TCM = Transportation Control Measure

ULEV = Ultra Low Emission Vehicle

U.S. EPA = United States Environmental Protection Agency

VOC = Volatile Organic Compound

ZEV = Zero Emission Vehicle

 [Back to Agenda](#)

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 1

MINUTES: Governing Board Monthly Meeting

SYNOPSIS: Attached are the Minutes of the January 5, 2018 meeting.

RECOMMENDED ACTION:

Approve Minutes of the January 5, 2018 Board Meeting.

Denise Garzaro
Clerk of the Boards

DG

FRIDAY, JANUARY 5, 2018

Notice having been duly given, the regular meeting of the South Coast Air Quality Management District Board was held at District Headquarters, 21865 Copley Drive, Diamond Bar, California. Members present:

William A. Burke, Ed.D., Chairman
Speaker of the Assembly Appointee

Dr. Clark E. Parker, Sr., Vice Chairman
Senate Rules Committee Appointee

Mayor Ben Benoit (Left at 11:00 a.m.)
Cities of Riverside County

Council Member Michael A. Cacciotti
Cities of Los Angeles County – Eastern Region

Dr. Joseph K. Lyou
Governor's Appointee

Mayor Pro Tem Judith Mitchell
Cities of Los Angeles County – Western Region

Supervisor Shawn Nelson (Arrived at 9:50 a.m.)
County of Orange

Council Member Dwight Robinson
Cities of Orange County

Supervisor Janice Rutherford
County of San Bernardino

Supervisor Hilda L. Solis
County of Los Angeles

Members absent:

Supervisor Marion Ashley
County of Riverside

Council Member Joe Buscaino
City of Los Angeles

Mayor Larry McCallon
Cities of San Bernardino County

CALL TO ORDER: Chairman Burke called the meeting to order at 9:00 a.m.

- Pledge of Allegiance: Led by Chairman Burke.
- Opening Comments

Dr. Lyou explained that he intended to introduce amendments to the 2018 Legislative Goals & Objectives being considered under Item No. 16 and propose clarifying language for the Resolution for Item No. 18.

Chairman Burke inquired about the District's outreach efforts to communities impacted by the recent wildfires and whether information about air filtration masks is provided to the public.

Wayne Nastri, Executive Officer, explained that the District works with first responders in communities impacted by wildfires and issues air alerts when air quality is poor. He acknowledged that improving community notification is an important priority for staff. He added that the District has distributed materials and masks in some of the impacted areas, but cautioned about the need for proper education regarding use of the masks.

Mayor Pro Tem Mitchell inquired how poor air quality resulting from wildfires impacts the District's ability to meet clean air requirements.

Dr. Philip Fine, DEO/Planning, Rule Development and Area Sources, confirmed that particulate measurements were high over several days due to the fires. He added that the Clean Air Act includes provisions that allow the District to exclude exceedances that can be attributed to exceptional events, such as wildfires.

- Swearing in of Chair and Vice Chair for Terms January 2018 - 2020

Mayor Pro Tem Mitchell administered the oath of office to Chairman William Burke, who was re-elected for a term ending January 15, 2020; and to Vice Chairman Clark Parker, who was elected for a term ending January 15, 2020.

- Swearing in of Reappointed Board Members Judith Mitchell and Swearing in of Newly Appointed Board Member Hilda Solis

Chairman Burke administered the oath of office to Mayor Pro Tem Judith Mitchell who was reappointed to the Board by the Los Angeles County Western Cities Representatives for a term ending January 15, 2022; and to Supervisor Hilda L. Solis who was appointed to the Board by the Los Angeles County Board of Supervisors for a term ending January 15, 2019. Supervisor Solis expressed appreciation for the opportunity to serve on the Board.

CONSENT CALENDAR

1. Approve Minutes of December 1, 2017 Board Meeting

Budget/Fiscal Impact

2. Recognize Revenue and Appropriate Funds, Approve Positions, Amend Contracts, Issue Solicitations and Purchase Orders for AB 617 Implementation and Transfer and Appropriate Funds and Approve Positions for AB 134 Implementation
3. Issue RFP for Emission Reduction Projects Using Incentive Funding from SCAQMD Special Funds, Allocate Funds, and Execute Contract
4. Transfer and Appropriate Funds, Issue Purchase Orders for Monitoring and Lab Equipment, Approve Surrender of Fixed Assets, and Execute or Amend Contract for Monitoring Services
5. Recognize Revenue and Appropriate Funds to Maintain, Improve and Expand Existing Low-Cost Sensor Network for Monitoring PM Emissions
6. Amend Contracts for Legislative Representation in Washington, D.C.
7. Amend Contract for Consultant Services for SCAQMD Environmental Justice Outreach and Initiatives

Items 8 through 13 - Information Only/Receive and File

8. Legislative, Public Affairs and Media Report
9. Hearing Board Report
10. Civil Filings and Civil Penalties Report
11. Lead Agency Projects and Environmental Documents Received by SCAQMD
12. Rule and Control Measure Forecast

13. Status Report on Major Ongoing and Upcoming Projects for Information Management

BOARD CALENDAR

15. Administrative Committee
16. Legislative Committee
17. California Air Resources Board Monthly Report

Mayor Pro Tem Mitchell noted that she is a CARB Board Member which is involved with Item No. 2.

Agenda Items 2, 3, 8 and 16 were withheld for comment and discussion.

MOVED BY LYOU, SECONDED BY CACCIOTTI, AGENDA ITEMS 1, 4 THROUGH 7, 9 THROUGH 15 AND 17 APPROVED AS RECOMMENDED AND RECEIVING AND FILING THE COMMITTEE AND CARB REPORTS, BY THE FOLLOWING VOTE:

AYES: Benoit, Burke, Cacciotti, Lyou, Mitchell, Parker, Robinson, Rutherford and Solis

NOES: None

ABSENT: Ashley, Buscaino, McCallon and Nelson

14. Items Deferred from Consent Calendar

2. Recognize Revenue and Appropriate Funds, Approve Positions, Amend Contracts, Issue Solicitations and Purchase Orders for AB 617 Implementation and Transfer and Appropriate Funds and Approve Positions for AB 134 Implementation

Dr. Lyou asked staff to explain the types of monitoring and equipment that will be funded by AB 617 and AB 134. He expressed concern about the types of pollutants being monitored and asked staff to provide an overview of how monitoring criteria pollutants and methane would help disadvantaged communities.

Dr. Jason Low, Asst. DEO/Science and Technology Advancement, explained that the proposed monitoring trailer and mobile platform will complement the data that is collected with community sensors and will assist in identifying locations to deploy stationary platforms for air toxics equipment. He added that the data collected will help characterize the distribution of pollutants and assist in planning for future funding of additional monitoring equipment.

Mr. Nastri provided an overview of the current monitoring efforts that are underway within the District and the different technologies and networks that will result in improved data.

Dr. Parker expressed concern about potential vandalism of the expensive mobile monitoring equipment and inquired what security measures are taken for these units.

Mr. Nastri commented that staff works with local community officials to determine the best locations for the equipment and to increase community awareness of monitoring of air pollutants.

Dr. Low added that staff works with property owners and city officials to ensure security of equipment and may add enhanced security features such as fencing or elevating the equipment.

Harvey Eder, Public Solar Power Coalition, urged support for funding of solar powered technology for low- to middle-income individuals. He added that funding should be increased to address the public health effects of air pollution.

Council Member Cacciotti inquired about the availability of office space to accommodate the new staff and long-term funding of the new positions.

Jill Whynot, Chief Operating Officer, explained that while some redesign of office space may be required, there is sufficient space within District headquarters to accommodate the new staff. She added that it is anticipated that funding for these positions will continue, but in the event it does not, there is capacity to absorb staff into existing programs while maintaining a balanced budget.

Mr. Nastri noted the long-term commitment at the state level to fund programs that address air quality issues in communities that are most impacted by air pollution.

Supervisor Solis noted the importance of monitoring in unincorporated areas of Los Angeles and Environmental Justice (EJ) communities that are most impacted by air pollution and ensuring that community stakeholders provide input on the location of monitoring equipment. She added that employment opportunities resulting from this funding should be advertised in EJ areas.

Mr. Nastri stated that the Board has been in a position of leadership with regard to the development of programs and outreach in EJ communities. He explained how the determination of communities that will be the focus of community monitoring efforts will occur, working with communities. He confirmed the importance of diversity in the workforce and succession planning to ensure institutional knowledge is retained.

MOVED BY LYOU, SECONDED BY
CACCIOTTI, AGENDA ITEM 2 APPROVED AS
RECOMMENDED, BY THE FOLLOWING
VOTE:

AYES: Benoit, Burke, Cacciotti, Lyou,
Mitchell, Parker, Robinson,
Rutherford and Solis

NOES: None

ABSENT: Ashley, Buscaino, McCallon and Nelson

3. Issue RFP for Emission Reduction Projects Using Incentive Funding from SCAQMD Special Funds, Allocate Funds, and Execute Contract

Mr. Eder expressed concern with the lack of working group meetings that were promised to address solar and energy conservation. He stressed the importance of implementing programs that benefit Orange, San Bernardino, and Riverside Counties as well as Los Angeles, and stated that the portion of funding being awarded directly should go out for bid.

Dr. Fine explained that the AQMP established a working group to investigate residential energy efficiency, solar and appliances. He noted that the group has met twice and a calculator is under development which will aid in policy development in this area. He added that the project currently under consideration is a broad RFP to begin the process of undertaking a stationary source incentive program to obtain emission reductions to help meet goals set in the AQMP. He added that the regular public process for committee review and availability of agenda materials has been followed for this item.

(Supervisor Nelson arrived at 9:50 a.m.)

Chairman Burke commented that he understood that this project provided an opportunity to begin providing solar hot water heaters in low-income communities.

Mr. Nastri confirmed that this project was meant as a starting point, with the idea to expand into other areas in the future.

Rita Loof, RadTech International, expressed appreciation to staff for including stationary sources in this RFP and specifically energy curable projects. She commented on the potential to eliminate toxic emissions while not negatively impacting the business community.

MOVED BY CACCIOTTI, SECONDED BY
BENOIT, AGENDA ITEM 3 APPROVED AS
RECOMMENDED, BY THE FOLLOWING
VOTE:

AYES: Benoit, Burke, Cacciotti, Lyou,
Mitchell, Nelson, Parker,
Robinson, Rutherford and Solis

NOES: None

ABSENT: Ashley, Buscaino and McCallon

8. Legislative, Public Affairs and Media Report

Council Member Cacciotti inquired about the status of the update to "The Right to Breathe" film.

Derrick Alatorre, DEO/Legislative, Public Affairs and Media, explained that the updated film is in final production and should be completed within two weeks. He added that once the film is completed, the Google ad campaign will resume.

Council Member Cacciotti requested that the draft film be emailed to Chairman Burke and him before it is finalized and that the updated video be presented at a future Board meeting.

MOVED BY CACCIOTTI, SECONDED BY
BENOIT, AGENDA ITEM 8 APPROVED AS
RECOMMENDED, BY THE FOLLOWING
VOTE:

AYES: Benoit, Burke, Cacciotti,
Lyou, Mitchell, Nelson, Parker,
Robinson, Rutherford and Solis

NOES: None

ABSENT: Ashley, Buscaino and McCallon

16. Legislative Committee

Dr. Lyou explained two amendments to the 2018 Legislative Goals and Objectives for the Board's consideration. The first proposed change would address problems that could be caused by financial policies that create an uneven playing field and put clean air technology manufacturers, retailers and users at a competitive disadvantage, and the second change adds clarification that is already in the energy policy that the District supports energy efficiency and demand reductions.

Chairman Burke and Supervisor Nelson questioned the basis for and application of the first proposed amendment.

Dr. Lyou explained that emerging clean air technologies have not been around long enough to gain the same types of financial benefits afforded to other companies; and the District should take a position of opposition against any legislation that would be counterproductive to promoting cleaner technologies.

In response to Supervisor Nelson's comments regarding his preference to have these matters brought before the Legislative Committee for consideration rather than have language in place that all such legislation will be opposed, Mr. Nastri explained that staff would continue to bring the individual legislative items to the Committee and ultimately the Board for consideration.

Chairman Burke suggested sending the Goals & Objectives back to the Legislative Committee so that they could consider Dr. Lyou's proposal.

Mr. Nastri suggested that the two specific provisions potentially affected by the amendments be sent back to the Committee, but that the Board proceed with a vote on the remainder of the Goals & Objectives.

MOVED BY LYOU, SECONDED BY SOLIS,
AGENDA ITEM 16 APPROVED, RECEIVING
AND FILING THE LEGISLATIVE COMMITTEE
REPORT AND ADOPTING THE 2018
LEGISLATIVE GOALS AND OBJECTIVES
WITH THE EXCEPTION OF THE STATE AND
FEDERAL GOALS AND OBJECTIVES WHICH
WILL BE SENT BACK TO THE LEGISLATIVE
COMMITTEE FOR CONSIDERATION, BY THE
FOLLOWING VOTE:

AYES: Benoit, Burke, Cacciotti,
Lyou, Mitchell, Nelson, Parker,
Robinson, Rutherford and Solis

NOES: None

ABSENT: Ashley, Buscaino and McCallon

PUBLIC HEARINGS

18. Determine that Proposed Amendments to Rule 2001 – Applicability and Rule 2002 – Allocations for Oxides of Nitrogen (NOx) and Oxides of Sulfur (SOx) Are Exempt from CEQA and Amend Rules 2001 and 2002

Tracy Goss, Planning and Rules Manager, gave the staff presentation on Item 18.

Mayor Pro Tem Mitchell inquired about how RTCs are handled when a facility exits the RECLAIM program.

Mr. Goss replied that during the year that facilities exit the program, they are able to use RTCs to reconcile their emissions, but they are not able to sell the credits and any unused credits are then retired.

Dr. Lyou noted that while he understands this rule is a necessary step toward sunseting the program, it does not result in any emission reductions. He asked staff when the Board might expect to see rulemaking that would yield NOx emission reductions.

Dr. Fine replied that the 2018 Rule Calendar adopted by the Board laid out all the RECLAIM-related rule amendments, and a very aggressive schedule. Staff is initially taking steps to remove some of the smaller emissions sources from the program, while the larger facilities like electrical-generating facilities, refineries, and large metal-working facilities will be addressed in separate command-and-control rules in the coming months. Meanwhile, working groups will begin to meet

for those very extensive rulemakings within the next month and the goal is to have some proposals to the Board by year-end.

Dr. Lyou stressed the importance of moving forward as quickly as possible.

In response to Dr. Parker's inquiry regarding the sale of credits and their consideration as property, Mr. Wiese explained that there is considerable authority that air pollution credits are not property and are not compensable.

Ms. Whynot added that Rule 2007 which deals specifically with the trading credits, specifies that that RTCs are not property rights.

Dr. Parker explained that he has seen companies benefit from shutting down, and provided the example of Exide Technologies selling credits.

Ms. Whynot noted that that particular issue was corrected in a subsequent amendment regarding facility shut downs and handling of credits. She added that staff will investigate if it would be prudent to further clarify the retirement of credits.

The public hearing was opened; and the following individuals addressed the Board on Item 18.

Ward Elliott expressed support for keeping the RECLAIM program which has proven more efficient, faster and less expensive than command-and-control. (Submitted Written Comments)

Curtis Coleman, Southern California Air Quality Alliance, noted his general support for the staff recommendation, but expressed concerns with the potential unavailability of ERCs for facilities that transition out of RECLAIM. He explained that members of the NOx RECLAIM working group have conveyed that there needs to be a way of allowing ERCs converted to RTCs at the start of the program, or a portion of them, to be converted back to ERCs. He expressed opposition to the proposed additions to the Resolution which, he believes, constitute rulemaking, and did not go through the appropriate public process for consideration today.

Adrian Martinez, EarthJustice, noted that this rule marks an important first step in shifting away from the RECLAIM program and thanked staff for their efforts in this regard. He raised an issue that was also outlined in their correspondence to the Board regarding the need for clarity on what happens to credits once they are taken away from facilities or surrendered. (Submitted Written Comments)

Susan Stark, Endeavor, asked that the two Resolution addendums be withdrawn because they are significant policy issues that should be part of the rulemaking process. She added that Endeavor looks forward to working with staff to update emission factors, as some of them currently overestimate emissions.

Mr. Eder noted that there should be a CEQA process for this matter and explained that solar is a cost-effective BARCT alternative for commercial, residential, utility, and industrial applications.

Michael Carroll, Regulatory Flexibility Group, expressed opposition to the adoption of the proposed Resolution language introduced by Dr. Lyou. He agreed with Mr. Coleman's comments that the proposed Resolution language is equivalent to rule language.

There being no further public testimony on this item, the public hearing was closed.

Chairman Burke asked staff to clarify the Board's policy regarding staff modifications of items in advance of the Board meeting.

Kurt Wiese, General Counsel, explained that Section 30.6 of the Governing Board Procedures states that "It is the Board's policy that no changes be made to the text of any item after the Friday of the week prior to the Board meeting unless the change corrects typographical errors, corrects draft meeting minutes or responds to an emergency." Mr. Wiese cautioned against a reading of that provision that would prohibit the Board from making changes to proposed rule language at the Governing Board meeting.

Mayor Pro Tem Mitchell inquired about when a facility meets BARCT, but does not close, what happens after their RTCs are retired.

Mr. Nastri replied that the decision is still part of ongoing deliberations between U.S. EPA, CARB, and the District because there are so many aspects involved.

Mr. Wiese explained that the primary impact of the proposed Resolution is to clarify an ambiguity in the proposed rule language to make clear that a facility that is exiting the RECLAIM program can continue to use RTCs for compliance purposes, but it cannot sell or trade those RTCS after it exits the program.

Dr. Lyou explained that he drafted the proposed Resolution amendments to clarify what happens to RTCs after a facility exits RECLAIM.

Council Member Robinson and Dr. Parker stressed the importance of not limiting the Board's ability to make changes when needed at a Board Meeting, and noted the challenge of gauging the significance of a particular item and addressing any changes in a manner that has followed the appropriate process.

(Mayor Benoit left the meeting at 11:00 a.m.)

Dr. Lyou explained that since the discussion regarding RECLAIM from the Stationary Source Committee November meeting, as reflected in the minutes, is part of the record, and that discussion between Board Members and staff today has further clarified the intent of the rule, he would not be introducing a motion to amend the Resolution language.

MOVED BY CACCIOTTI, SECONDED BY MITCHELL, AGENDA ITEM NO. 18 APPROVED, ADOPTING RESOLUTION NO. 18-1, DETERMINING THAT THE PROPOSED AMENDMENTS TO RULE 2001 – APPLICABILITY AND RULE 2002 – ALLOCATIONS FOR OXIDES OF NITROGEN (NO_x) AND OXIDES OF SULFUR (SO_x) ARE EXEMPT FROM THE REQUIREMENTS OF CEQA, AND AMENDING RULE 2001 – APPLICABILITY AND RULE 2002 – ALLOCATIONS FOR OXIDES OF NITROGEN (NO_x) AND OXIDES OF SULFUR (SO_x), BY THE FOLLOWING VOTE:

AYES: Burke, Cacciotti, Lyou, Mitchell, Nelson, Parker, Robinson, Rutherford and Solis

NOES: None

ABSENT: Ashley, Benoit, Buscaino and McCallon

19. Determine that Proposed Amendments to Rule 301 – Permitting and Associated Fees Are Exempt from CEQA and Amend Rule 301

Staff waived the oral presentation on Item No. 19.

The public hearing was opened and there being no requests to speak, the public hearing was closed.

MOVED BY NELSON, SECONDED BY CACCIOTTI, AGENDA ITEM NO. 19 APPROVED, ADOPTING RESOLUTION NO. 18-2, DETERMINING THAT PROPOSED AMENDED RULE 301 – PERMITTING AND ASSOCIATED FEES IS EXEMPT FROM THE REQUIREMENTS OF CEQA, AND ADOPTING PROPOSED AMENDED RULE 301 — PERMITTING AND ASSOCIATED FEES, BY THE FOLLOWING VOTE:

AYES: Burke, Cacciotti, Lyou, Mitchell, Nelson, Parker, Robinson, Rutherford and Solis

NOES: None

ABSENT: Ashley, Benoit, Buscaino and McCallon

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PUBLIC COMMENT PERIOD – (Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3)

Mr. Eder noted the importance of addressing air quality concerns to protect future generations. He urged immediate, total solar conversion and stressed the need to support community choice aggregation programs.

CLOSED SESSION

The Board recessed to closed session at 11:15 a.m., pursuant to Government Code sections:

CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

- 54956.9(a) and 54956.9(d)(1) to confer with its counsel regarding pending litigation which has been initiated formally and to which the SCAQMD is a party. The actions are:

Communities for a Better Environment v. SCAQMD, Los Angeles Superior Court Case No. BS161399 (RECLAIM);

People of the State of California, ex rel. SCAQMD v. Exide Technologies, Inc., Los Angeles Superior Court Case No. BC533528; and

In re: Exide Technologies, Inc., U.S. Bankruptcy Court, District of Delaware, Case No. 13-11482 (KJC) (Bankruptcy Case).

CONFERENCE WITH LEGAL COUNSEL – INITIATING LITIGATION

It is also necessary for the Board to recess to closed session pursuant to Government Code section 54956.9(a) and 54956.9(d)(4) to consider initiation of litigation (one case).

CONFERENCE WITH NEGOTIATORS

It is also necessary to recess to closed session pursuant to Government Code Section 54957.6 to confer regarding upcoming labor negotiations with:

designated representatives regarding represented employee salaries and benefits or other mandatory subjects within the scope of representation [Negotiator: A. John Olvera; Represented Employees: Teamsters Local 911 and SCAQMD Professional Employees Association].

Following closed session, the Board reconvened in open session at 12:05 p.m. and Mr. Wiese announced that a report of any reportable actions taken in closed session will be filed with the Clerk of the Board's office and made available to the public upon request.

(Chairman Burke and Supervisor Nelson did not return from Closed Session.)

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OTHER BUSINESS

20. Approve Three-Year Agreement with Teamsters Local 911

MOVED BY LYOU, SECONDED BY
CACCIOTTI, AGENDA ITEM NO. 20
APPROVED, AS RECOMMENDED, BY THE
FOLLOWING VOTE:

AYES: Cacciotti, Lyou, Mitchell, Parker,
Robinson, Rutherford and Solis

NOES: None

ABSENT: Ashley, Benoit, Burke, Buscaino
McCallon and Nelson

ADJOURNMENT

There being no further business, the meeting was adjourned in memory of former San Bernardino County Supervisor and SCAQMD Board Member Robert Hammock by Vice Chairman Parker at 12:05 p.m.

The foregoing is a true statement of the proceedings held by the South Coast Air Quality Management District Board on January 5, 2018.

Respectfully Submitted,

Denise Garzaro
Clerk of the Boards

Date Minutes Approved: _____

Dr. William A. Burke, Chairman

ACRONYMS

BARCT = Best Available Retrofit Control Technology
CARB = California Air Resources Board
CEQA = California Environmental Quality Act
DEO = Deputy Executive Officer
EJ = Environmental Justice
FY = Fiscal Year
NOx = Oxides of Nitrogen
PM = Particulate Matter
RFP = Request for Proposals
RECLAIM = Regional Clean Air Incentives Market
RTC= RECLAIM Trading Credit
U.S. EPA = United States Environmental Protection Agency

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 2

PROPOSAL: Set Public Hearing March 2, 2018 to Consider Adoption of and/or Amendments to SCAQMD Rules and Regulations:

Certify Final Environmental Assessment and Amend Rule 1111 – Reduction of NOx Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces

Rule 1111 was amended in 2009 to lower the NOx emission limit for natural-gas-fired fan-type residential furnaces from 40 to 14 nanograms per Joule (ng/J), and amended again in 2014 to provide manufacturers additional time to develop and commercialize compliant units by allowing a mitigation fee option. Although three manufacturers have certified furnaces, only one has a commercialized product available for sale. Additional time is needed to commercialize a range of compliant units for the various categories. Proposed Amended Rule 1111 will increase and extend the mitigation fee alternative compliance option. Proposed Amended Rule 1111 will also prevent the installation of propane furnaces in the SCAQMD capable of being fired on natural gas without proper certification. A companion to the proposed rule amendments will be a rebate program to encourage manufacturers to commercialize and to incentivize consumers to purchase compliant furnaces. An RFP for a contractor to assist staff with implementing this rebate program was approved for release at the December 1, 2017 Board meeting. This action is to adopt the Resolution: 1) Certifying the Final Environmental Assessment for Proposed Amended Rule 1111 – Reduction of NOx Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces; and 2) Amending Rule 1111 – Reduction of NOx Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces. (Reviewed: Stationary Source Committee, November 17, 2017 and January 19, 2018)

The complete text of the proposed amendments, staff report and other supporting documents will be available from the District's Public Information Center, (909) 396-2001 and on the Internet (www.aqmd.gov) as of January 31, 2018.

RECOMMENDED ACTION:

Set Public Hearing March 2, 2018 to amend Rule 1111.

Wayne Natri
Executive Officer

dg

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 3

PROPOSAL: Demonstrate Zero Emission Cargo Handling Vehicles at Port of Long Beach

SYNOPSIS: The Port of Long Beach and its project partners have received \$5.3 million in funding from CARB through its Low Carbon Transportation Investments and Air Quality Improvement Program grant solicitation to demonstrate five zero emission cargo handling vehicles at the Port of Long Beach. This demonstration includes three battery electric top handlers, one battery electric yard truck and one hydrogen fuel cell yard truck. The project will provide a unique opportunity to directly compare the performance of battery electric trucks to hydrogen fuel cell trucks. Project partners include CARB, Port of Long Beach, Long Beach Container Terminal and SSA Marine Terminal for a total project cost of \$8.3 million. This action is to execute a contract with the Port of Long Beach in an amount not to exceed \$350,000 from the Clean Fuels Fund (31).

COMMITTEE: Technology, January 19, 2018; Recommended for Approval

RECOMMENDED ACTION:

Authorize the Chairman to execute a contract with the Port of Long Beach in an amount not to exceed \$350,000 from the Clean Fuels Fund (31) for a zero emission cargo handling vehicle demonstration project at the Port of Long Beach.

Wayne Natri
Executive Officer

MMM:FM:NB:PSK

Background

The Port of Long Beach (POLB) and its project partners submitted an application to CARB under their Low Carbon Transportation Investments and Air Quality Improvement Program grant solicitation for a project entitled Commercialization of the Port of Long Beach Off-Road Technology Demonstration Project (C-PORT). This demonstration project provides a unique opportunity to directly compare the

performance of battery electric trucks to hydrogen fuel cell trucks, as well as provide a pathway for implementation of the recently adopted Clean Air Action Plan. CARB recently awarded the POLB \$5,339,820 towards the C-PORT project, which was approved by the Board of Harbor Commissioners on January 8, 2018.

Proposal

The POLB C-PORT project is to: 1) design, develop and demonstrate three battery electric top handlers at the Long Beach Container and SSA Marine Terminals; 2) design, develop and demonstrate one battery electric and one hydrogen fuel cell yard tractor at the Long Beach Container Terminal; and 3) install electric charging and hydrogen fueling infrastructure to support operation of these vehicles in revenue service for a minimum of six months. It is anticipated that up to three vehicle original equipment manufacturers and three technology vendors will be involved in this project.

POLB will also conduct a zero emission vehicle education outreach program for residents of nearby disadvantaged communities by working with Green Education, Inc.; Center for International Trade and Transportation at California State University Long Beach; Cabrillo High School Academy of Global Logistics in the Long Beach Unified School District; and Long Beach City College. The project will also work with the International Longshore Warehouse Union, which represents more than 33,000 dock workers on the west coast of the U.S., Hawaii, Alaska and British Columbia, Canada, to work in collaboration with the POLB to develop a set of tools and processes to evaluate the impact of the proposed technologies on terminal operators and the local workforce. Tetra Tech, Inc., will serve as the program evaluator and collect and analyze project data.

Sole Source Justification

Section VIII.B.2. of the Procurement Policy and Procedure identifies provisions under which a sole source award may be justified. The request for a sole source award for this project is made under the provision B.2.d.(1): Projects involving cost-sharing by multiple sponsors. This development and demonstration project will be cost-shared by CARB, POLB and other project partners as listed in the Resource Impacts section.

Benefits to SCAQMD

Projects to support development and demonstration of battery electric and hydrogen fuel cell transportation technologies are included in the *Technology Advancement Office Clean Fuels Program 2017 Plan Update* under “Electric/Hybrid Technologies & Infrastructure” and “Hydrogen and Mobile Fuel Cell Technologies & Infrastructure.” This project is to demonstrate zero emission cargo handling vehicles for goods movement activities, providing additional NO_x reductions towards attainment of upcoming 1-hour and 8-hour ozone air quality standards, as well as 24 hour and annual PM_{2.5} air quality standards.

Resource Impacts

The total project cost for the zero emission cargo handling vehicle demonstration is estimated at \$8,338,410, of which SCAQMD's cost-share will not exceed \$350,000 from the Clean Fuels Fund (31). Anticipated cost-share is listed in the table below.

Partner Cost-Share

Project Partner	Cost-Share
CARB	\$5,339,820
POLB	1,560,710
Long Beach Container Terminal	\$642,321
SSA Marine Terminal	445,559
SCAQMD (<i>requested</i>)	350,000
Total	\$8,338,410

Sufficient funds are available from the Clean Fuels Fund (31), established as a special revenue fund resulting from the state-mandated Clean Fuels Program. The Clean Fuels Program, under Health and Safety Code Sections 40448.5 and 40512 and Vehicle Code Section 9250.11, establishes mechanisms to collect revenues from mobile sources to support projects to increase the utilization of clean fuels, including the development of the necessary advanced enabling technologies. Funds collected from motor vehicles are restricted, by statute, to be used for projects and program activities related to mobile sources that support the objectives of the Clean Fuels Program.

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 4

PROPOSAL: Renew California Fuel Cell Partnership Membership and Participation, Receive and File California Fuel Cell Partnership Board Meeting Agenda and Quarterly Updates, and Participate in California Hydrogen Infrastructure Research Consortium

SYNOPSIS: Since early 2000, SCAQMD has been a California Fuel Cell Partnership (CaFCP) member and, even longer, has been building partnerships with various California agencies and national laboratories. These partners propose forming a consortium focused on near-term hydrogen infrastructure, and recently submitted a joint proposal led by GO-Biz to advance hydrogen infrastructure relevant to the DOE H2@Scale Initiative, a concept to explore wide-scale hydrogen production and utilization in the U.S. These actions are to execute one or more contracts with Frontier Energy, Inc., acting on behalf of the CaFCP, in an amount not to exceed \$245,000 from the Clean Fuels Program Fund (31) to renew SCAQMD's CaFCP membership for 2018, cofund 50 percent of the CaFCP Regional Coordinator position, and provide support for fuel cell truck and bus codes and standards coordination as well as to receive and file the last CaFCP Board Meeting Agenda and recent Quarterly Updates. This action is to also execute an agreement with the National Renewable Energy Laboratory for \$100,000 from the Clean Fuels Program Fund (31) to participate in the California Hydrogen Infrastructure Research Consortium.

COMMITTEE: Technology, January 19, 2018; Recommended for Approval

RECOMMENDED ACTIONS:

1. Authorize the Chairman to execute one or more contracts in an amount not to exceed \$245,000 from the Clean Fuels Fund (31) with Frontier Energy, Inc., acting on behalf of the CaFCP, to:
 - a. Continue SCAQMD's membership for Calendar Year 2018 for a total amount not to exceed \$70,000 for common expenses of the CaFCP;
 - b. Continue support for a Regional Coordinator located at SCAQMD for a total amount not to exceed \$50,000; and
 - c. Provide support for fuel cell truck and bus codes and standards coordination for a total amount not to exceed \$125,000.

2. Receive and file the attached Executive Board Agenda and Quarterly Updates.
3. Authorize the Executive Officer to execute a joint agreement for an amount not to exceed \$100,000 from the Clean Fuels Fund (31) with NREL, acting on behalf of the California Hydrogen Infrastructure Research Consortium.

Wayne Nasti
Executive Officer

MMM:FM:NB:LHM

Background

California Fuel Cell Partnership

The California Fuel Cell Partnership (CaFCP) was initiated in 1999 as a means to accelerate response to CARB's ZEV regulations. In January 2012, CARB approved Advanced Clean Car regulations, which harmonize California requirements with federal requirements from 2017–2025 and incorporate GHG emission reductions. The AQMP and the Technology Advancement Office Clean Fuels Program 2016 Plan Update have identified fuel cells for on- and off-road applications as a core technology for attaining and maintaining cleaner air quality. Because of the alignment of the SCAQMD and CaFCP goals for accelerated fuel cell vehicle commercialization, the SCAQMD Board accepted the CaFCP's formal invitation to join as a full member in March 2000.

Initially, the CaFCP Program focused on development of vehicle, infrastructure and outreach plans for future projects. The CaFCP was involved in the demonstration of cars and buses using gaseous and liquid hydrogen as well as methanol through 2003. A limited number of fleet customer placements began in 2002. The CaFCP and members demonstrated several generations of fuel cell cars and buses using gaseous hydrogen fuel at 350 bar and 700 bar pressures. Several automakers started retail placement of fuel cell vehicles near hydrogen stations in early market communities. The CaFCP with member support developed a "Roadmap" for the introduction of fuel cell passenger vehicles with sufficient hydrogen fueling stations in California, a "Bus Roadmap" and, most recently, a Medium & Heavy-Duty Fuel Cell Electric Vehicle Action Plan.

With the commitment of funding under AB 8 (2013) to develop and operate approximately 100 hydrogen retail fueling stations in California through 2023, and the collaboration of California with other states to support ZEVs, automakers are continuing to announce market launches. Some automakers are combining efforts to share intellectual property, build component supply chains and leverage resources - Daimler with Ford and Nissan, Toyota with BMW, and General Motors with Honda. Germany, Japan and South Korea have also committed funding to build more hydrogen stations, and international momentum is building with the 2017 establishment of the Hydrogen Council.

At the request of SCAQMD, the CaFCP has expanded its presence in Southern California due to the increased deployment of vehicles, the largest number of fueling stations and the greatest air quality need in this region. A CaFCP Regional Coordinator based in our region supports member activities and outreach and an Infrastructure Specialist facilitates hydrogen station development.

Major accomplishments during Calendar Year (CY) 2017 include:

- Continued retail production and deployment of fuel cell cars and buses in California. As of November 1, 2017, there have been 2,985 cumulative total fuel cell electric vehicle (FCEV) sales and leases by Hyundai, Toyota and Honda in California¹, 31 retail hydrogen stations are open, and there are 20 fuel cell buses in operation.
- Engaged members in a strategic planning process to develop a Vision for 2030.
- Increased the presence of the CaFCP in Southern California through coordination of ombudsman activities in early market communities with Regional Coordinator & Infrastructure Specialist based at SCAQMD.

The CaFCP has introduced new membership levels to increase membership and reduce the cost of membership. Each CaFCP Executive Member has a representative on the Executive Board. Current Executive Members include:

- Seven auto manufacturers (General Motors, Toyota, Daimler, Honda, Hyundai, Nissan and Volkswagen);
- Four industry stakeholders (AFCC, EIN, Air Liquide and Shell); and
- Three government agencies (SCAQMD, CARB and CEC), and the Governor's Office of Economic Development (GO-Biz).

There are currently an additional 29 Full and Associate Members, with commensurate benefits and voting rights. DOE and U.S. EPA have been invited to participate as Full Members (albeit in a non-paying advisory capacity) for 2018. Additionally, hydrogen infrastructure membership increased, a goal set by Dr. Clark E. Parker when he was the CaFCP chair in 2017.

The CaFCP retains Frontier Energy, Inc., (previously Bevilacqua-Knight, Inc.) to provide the needed support for the common tasks agreed to by the CaFCP, and each member contracts directly with Frontier Energy acting on behalf of the CaFCP. In an effort to better align the beneficiaries of Frontier Energy's West Sacramento operations with the costs of those operations, Frontier Energy will transition to a costing model in accordance with federal cost principles to charge CaFCP on a cost reimbursement basis, which is cost neutral for 2017 but is easier to scale.

¹Number of cumulative total FCEV sales data from HybridCars.com and Carsalesdatabase.com

California Hydrogen Infrastructure Research Consortium

Many stakeholders are working on hydrogen and fuel cell products, markets, requirements, mandates, and policies. California has been leading the way for hydrogen infrastructure and fuel cell electric vehicle deployment. This leadership has advanced a hydrogen network that is not duplicated anywhere in the U.S. and is unique in the world for its focus on providing a retail fueling experience. In addition, the advancements have identified many lessons learned for hydrogen infrastructure development, deployment and operation. Other interested states and countries are using California's experience as a model case, making success in California paramount to enabling market acceleration and uptake in the U.S. U.S. leadership for hydrogen technologies is rooted in California, a location for implementing many DOE H2@Scale pathways, such as reducing curtailment and stranded resources, reducing petroleum use and emissions, and developing and creating jobs. The technical research capability of the national laboratories can be used to assist California in decisions and evaluations, as well as to verify solutions to problems impacting the industry. Because these challenges cannot be addressed by one agency or one laboratory, a hydrogen research consortium has been organized to combine and collaborate. The California Hydrogen Infrastructure Research Consortium aims to:

- Ensure that data are available to evaluate projects and inform decision makers;
- Independently verify and validate component solutions;
- Provide experimental results for future hydrogen infrastructure; and
- Increase the availability of technical experts for quick-need issues for California hydrogen infrastructure development, deployment, operation and technology advances.

Proposal

California Fuel Cell Partnership

The CaFCP completed the fourth phase of its “Preparing for Market Launch” effort through 2016 and is continuing the transition to an ongoing commercial vision. The fee of \$70,000 per Executive Member supports the activities planned for 2018, with additional membership levels designed to encourage participation with commensurate benefits. A new non-paying, advisory role is proposed to continue engagement with staff in federal agencies. The proposed budget for 2018 is reduced to \$1,011,464, with plans to encourage new membership and growth. The 2017 Vice-Chair, Dr. Christian Mohrdieck (Daimler), serves as 2018 Chair, with O. Hoefelmann (Air Liquide) serving as Vice-Chair. Dr. Clark E. Parker will serve as SCAQMD's representative, along with 13 other Executive Members. The majority of fuel cell vehicle deployment growth is anticipated to be within the South Coast Air Basin over the next couple of years, enhanced by the development of hydrogen stations in more early markets in California and beginning in several northeast states.

The proposed CaFCP activities for 2018 are to:

- Develop the necessary infrastructure and processes to support early commercial launch and expanded vehicle rollout focused in California, plus communication with new station and vehicle deployments planned in the northeastern U.S.
- Share and synchronize experience by providing forums and opportunities for members to advance group collaboration and progress within CaFCP and among stakeholders, including national coordination.
- Reach target markets and communities to educate, inform and promote hydrogen and FCEVs and accelerate commercial adoption.
- Implement CaFCP restructuring to be more inclusive and capable of meeting the expanding commercial market needs and opportunities, broaden the member base, and collaborate with stakeholder participants.

With additional support from some CaFCP members to facilitate the foundational work required for the growth of medium- and heavy-duty fuel cell truck and bus deployments, these additional tasks are proposed:

- Sponsor SAE J2600, Compressed Hydrogen Surface Vehicle Fueling Connection Devices, revision to include high flow interface geometries and align with ISO 17268
- Sponsor SAE J2601-2, Fueling Protocol for Gaseous Hydrogen Powered Heavy Duty Vehicles, from Technical Information Report (TIR 2014) to Surface Vehicle Standard & align with J2600 & ISO
- General medium-duty/heavy-duty vehicle and infrastructure safety, codes and standards, and update first responder training
- Facilitate task forces (truck and bus) and outreach; coordinate 2018 Fuel Cell Electric Truck (FCET) Action Plan

This action is to execute contract(s) with Frontier Energy to renew SCAQMD's membership in the CaFCP for CY 2018, continue to cofund the CaFCP Regional Coordinator position based in SCAQMD and reporting to the CaFCP Executive Director, and to provide directed support for medium- and heavy-duty fuel cell truck and bus fueling codes and standards coordination. There is no longer a need for in-kind office space and utilities for Frontier Energy employees in CY 2018, since staff assigned to CaFCP activities primarily work in the field visiting legislative offices, member locations and hydrogen stations. This action is also to receive and file the CaFCP Executive Board Meeting Agenda for October 2017 and Quarterly Updates for April-June and July-September 2017.

California Hydrogen Infrastructure Research Consortium

This action is to execute a joint agreement with NREL to participate in the California Hydrogen Infrastructure Research Consortium. The California Hydrogen Infrastructure Research Consortium proposal identifies tasks based on top research needs and

priorities to address near-term problems in order to support California's continued leadership in innovative hydrogen technology solutions. These tasks also provide significant contributions to the DOE H2@Scale Initiative, although the Consortium proposal may not be fully funded from the current solicitation. For instance, advances in fueling methods and components can support the development of supply chains and deployments. The proposed tasks include data collection from operational stations, component failure fix verification (i.e., nozzle freeze lock), analysis of data to optimize new fueling methods for medium- and heavy-duty applications, and ensuring hydrogen quality is maintained. These projects will also be managed in detail (e.g., schedule, budget, roles, milestones, tasks, reporting requirements) in a hydrogen research consortium project management plan.

Sole Source Justification

Section VIII.B.2. of the Procurement Policy and Procedure identifies provisions under which a sole source award may be justified. This request for a sole source award is made under provision B.2.d.: Other circumstances exist which in the determination of the Executive Officer require such waiver in the best interest of SCAQMD.

Specifically, these circumstances are B.2.d.(1): Projects involving cost-sharing by multiple sponsors. The major sponsors contributing financially to the CaFCP include seven automakers, four industry stakeholders and three government agencies (including SCAQMD). The major sponsors currently contributing financially to the California Hydrogen Infrastructure Research Consortium include U.S. DOE, CARB and CEC.

Benefits to SCAQMD

Membership in the CaFCP is consistent with the *Technology Advancement Office Clean Fuels 2017 Plan Update* under "Hydrogen and Mobile Fuel Cell Technologies & Infrastructure" and "Assessment and Technical Support of Advanced Technologies and Information Dissemination." SCAQMD supports the development, demonstration and commercialization of zero and near-zero emission vehicles and strives to educate public and private organizations regarding the benefits and characteristics of these vehicles.

Resource Impacts

California Fuel Cell Partnership

SCAQMD's support of the CaFCP for CY 2018, provided through a contract(s) with Frontier Energy, Inc., will not exceed \$245,000 from the Clean Fuels Program Fund (31), comprised of up to \$70,000 for common project costs to cover administrative, technical and program management costs, half the cost of up to \$50,000 for the Regional Coordinator position based in SCAQMD, and directed support not to exceed \$125,000 to coordinate the development of fueling codes and standards for medium- and heavy-duty fuel cell trucks and buses.

California Hydrogen Infrastructure Research Consortium

SCAQMD's support of the California Hydrogen Infrastructure Research Consortium, provided through a joint agreement with NREL, will not exceed \$100,000 from the Clean Fuels Program Fund (31). Project partners and proposed funding are as follows:

Project Partner	Funding	(In-kind)
U.S. DOE, Fuel Cell Technologies Office	*\$700,000	
CARB	\$100,000	
CEC	\$80,000 (**\$100,000)	
SCAQMD (<i>requested</i>)	\$100,000	
California Governor's Office of Economic Development (GO-Biz)		Coordination & labor
Total (not to exceed)	\$1,000,000	

* Subject to partial award; U.S. DOE funding may be scaled.

**The contribution from CEC will increase to \$100k if the Hydrogen Safety Panel Evaluation of Hydrogen Facilities CRADA (CEC with PNNL) is not funded.

Sufficient funds are available from the Clean Fuels Fund, established as a special revenue fund resulting from the state-mandated Clean Fuels Program. The Clean Fuels Program, under Health and Safety Code Sections 40448.5 and 40512 and Vehicle Code Section 9250.11, establishes mechanisms to collect revenues from mobile sources to support projects to increase the utilization of clean fuels, including the development of the necessary advanced enabling technologies. Funds collected from motor vehicles are restricted, by statute, to be used for projects and program activities related to mobile sources that support the objectives of the Clean Fuels Program.

Attachments

California Fuel Cell Partnership October 17, 2017 Executive Board Meeting Agenda

California Fuel Cell Partnership Quarterly Update (April-June 2017)

California Fuel Cell Partnership Quarterly Update (July-September 2017)

October 17 Public Forum Agenda
Vision 2030 – Accelerating Commercialization in California
California Energy Commission—Arthur H. Rosenfeld Boardroom
1516 9th Street, Sacramento, CA 95814

30 minutes

8:45am–9:15am

C Parker, CaFCP Chair

B Elrick, CaFCP Exec Director

1. Welcome and opening remarks

CaFCP is crafting a consensus vision for market acceleration of FCEVs and hydrogen stations, deployment of fuel cell electric buses, and introduction of fuel cell electric trucks. Today's meeting will help guide the direction of the CaFCP Vision 2030 roadmap.

30 minutes

9:15am–9:45am

B Heid, McKinsey

B Fourie, Air Liquide

H Butsch, NOW

2. Global Perspectives and Activities

The Hydrogen Council brings a new group and perspective into the energy transition, and station deployment in Germany is continuing to match the pace. What ideas for funding, hydrogen production, stakeholder engagement, and energy policy should we consider in our Vision 2030 roadmap?

30 minutes

9:45am–10:15am

Break

90 minutes

10:15am–11:45pm

D Sperling, UC Davis

J Duffy, ARB

CaFCP members

3. Policy Approaches to California's Hydrogen Future

California policy and technology efforts guide the development and speed of our energy transition, including Low Carbon Fuel Standard and grid integration. Speakers will talk about policies in which hydrogen can play a role and present concepts for CaFCP Executive Board input and discussion.

75 minutes

11:45am–1:00pm

Lunch (on own)

90 minutes

1:00pm–2:30pm

A Galiteva, CalISO

R Gonzalez, CEC EPIC

CaFCP members

4. Hydrogen and the Grid

Our Vision 2030 considers integrating hydrogen with the grid for demand management, energy storage, and microgrids. Speakers will provide perspectives from the electricity sector and engage in a discussion about timelines, renewables, and R&D funding focus areas.

30 minutes

2:30pm–3:00pm

Break

30 minutes

3:00pm–3:30pm
CaFCP members

5. A Look at Upcoming Vehicles

Reports from automakers, heavy-duty vehicle manufacturers, and transit agencies about upcoming vehicle deployment plans in California and around the world.

60 minutes

3:30pm-4:30pm
B Elrick, Executive Director

6. CaFCP Executive Board Business Meeting

- April meeting decisions and assignments
 - 2018 meeting dates
 - 2018 Chair and Vice Chair
 - New member proposals
 - 2018 Program Plan and Budget
 - Public comment period
-
-

15 minutes

4:30pm-4:45pm
C Parker, CaFCP Chair

7. Closing remarks

* **Public comment period** : The public comment period provides an opportunity for members of the public to address the CaFCP Executive Board on subjects related to the mission and activities of CaFCP. Each person will be allowed a maximum of three minutes to ensure that everyone has a chance to speak.

Agenda items may be taken out of order and times may vary from those listed in the agenda. The board may choose to limit public comment at the chair's discretion.

This meeting is open to the public and will not be available by phone. This facility is accessible to persons with disabilities. Deadline for requesting ADA modification is **October 13, 2017**. Meeting materials will be posted at www.cahcp.org.

CaFCP Quarterly Update
April –June 2017**Background**

The California Fuel Cell Partnership is a unique collaborative of auto manufacturers, energy companies, fuel cell technology companies and government agencies, including SCAQMD.

CaFCP members, individually or in groups, will focus on meeting these goals to achieve market launch:

- Prepare for larger-scale manufacturing, which encompasses cost reduction, supply chain and production.
- Work on the customer channel, including identifying and training dealers and service technicians.
- Reduce costs of station equipment, increase supply of renewable hydrogen at lower cost, and develop new retail station approaches.
- Support cost reduction through incentives and targeted RD&D projects
- Continue research, development and demonstration of advanced concepts in renewable and other low-carbon hydrogen.
- Provide education and outreach to the public and community stakeholders on the role of FCVs and hydrogen in the evolution to electric drive.

CaFCP and members' activities fall within three main strategic directions:

1. Support hydrogen station and vehicle deployment to enable commercial market launch
2. Show feasibility and a clear value proposition to consumers, businesses and communities
3. Focus existing resources, engage new groups and pursue innovative concepts to overcome early market challenges

To successfully implement the vision, CaFCP activities must focus on technical, communications and business operations/strategies that require convening, collaborating and communicating.

2017 Program Plan
Q2 accomplishments



1. Develop Infrastructure	
<i>Develop the necessary infrastructure and processes to support early commercial launch and expanded vehicle rollout.</i>	
Support the construction and commissioning of current California hydrogen stations by participating in codes, standards and regulation processes; facilitating station commissioning processes; and supporting station openings.	<ul style="list-style-type: none"> Working with members to progress two Inter-Laboratory Studies (for FTIR and CDRS) in ASTM D03.14 Active participation with SAE International and CSA Group to harmonize CSA HGV 4.3 and SAE J2601; also for SAE J2601/4 Delivered a webinar for AHJs with the City of SF and GOBiz
Prepare for future funding through outreach and education with fueling retailers, the investment community and hydrogen industry.	<ul style="list-style-type: none"> Coordinated meetings with Orange County fuel retailers and Sustain OC to begin development of a sustainable H2 station business model. Held meetings with potential investors to educate them on the progress of the H2 FCEV commercial market. Attended the Fuels Institute annual conference in May and established connections with fuel retailers and national chain store fueling operation executives.
Work with stakeholders to identify potential future station locations.	<ul style="list-style-type: none"> Coordinated OEM Group effort to develop the next set of recommended priority market locations for hydrogen station deployment in California for government planning and funding.
Develop Road Map 2.0 with strategies for a sustainable network in California.	<ul style="list-style-type: none"> We've completed two out of three visioning workshops and the final is scheduled for early July. Draft report expected by the end of summer.
2. Share and Synchronize Experience	
<i>Provide forums and opportunities for members to advance group collaboration and progress within CaFCP and among stakeholders.</i>	
Build and expand trust among members through open communication and forums.	<ul style="list-style-type: none"> Held the April Executive Board meeting at UCLA Held the June 21-22 Working Group meeting in West Sacramento Coordinated series of meetings between OEM Group, SDO Group and state and local government officials to provide industry input for the June 2017 AB 8 Report and to discuss possible different approaches to state funding of H2 stations.
Communicate with stakeholders nationally	<ul style="list-style-type: none"> Hosted visitors from <u>Mitsui & Co.</u>, Japan

and internationally to share learnings and amplify market launch efforts.	<ul style="list-style-type: none"> • Represented California at the Hydrogen Fuel Cell conference in Vancouver, BC, hosted by the Canadian Hydrogen and Fuel Cell Association • Started conversations with a new consortium in New Zealand that aims to replace diesel motor coaches with fuel cell buses • Participated in DOE's Annual Merit Review as peer reviewers of 12 DOE funded projects and H2USA member meeting in June. • Provided a California Update at DOE's Hydrogen Technology Advisory Committee
4. Expand Markets	
<i>Restructure CaFCP to be more inclusive and capable of meeting the expanding commercial market needs and opportunities, broadening the member base, and being the voice of all stakeholder participants</i>	
Establish new structure and expand membership.	<ul style="list-style-type: none"> • x
Support deployment of fuel cell bus Centers of Excellence and the Bus Team.	<ul style="list-style-type: none"> • Represented CaFCP at APTA Bus and Paratransit Conference in Reno with booth on expo floor to inform attendees about FCEBs and support AC Transit's FCEB outreach (May 9). • Represented CaFCP FCEB and H2 infrastructure perspective at CARB's 5th Innovative Clean Transit Workgroup meeting (June 26). • Planned and organized the July 14 CaFCP Bus Team meeting at OCTA headquarters in Orange. • Began planning for annual factory tours of fuel cell electric buses at Eldorado National on August 1.
Publish and implement the Medium- and Heavy-Duty Road Map document.	<ul style="list-style-type: none"> • Attended Green Transportation Summit & Expo in Portland, OR, where H2 and FCET technology was frequently referenced due to range and weight limitations of battery technology in truck applications (April 10-12). • Represented CaFCP at Toyota Portal Truck announcement event in Port of Long Beach/San Pedro (April 19). • Served as moderator for the CHBC Fuel Cell Truck Workshop and presented FCET Action Plan highlights (May 1). • Attended ACT Expo in Long Beach to discuss FCET feasibility with truck operators, OEMs, and component suppliers (May 2-4). • Facilitated a truck stakeholder group of over 20 industry and government representatives to revise the recommendations in the Medium and Heavy Duty Fuel Cell Electric Truck Action Plan on May 5. • Represent CaFCP at CARB Public Work Group Meeting #3 for Heavy-Duty Three-Year Plan for inclusion of FCET and FCEB considerations (May 18).

	<ul style="list-style-type: none">• Represented CaFCP member FCET interests at STEPS Truck Choice Workshop at UC Davis ITS (May 22).
Support activities outside of California, as directed by members	<ul style="list-style-type: none">• Organizing ER outreach in the Northeast (Toyota and Air Liquide)• Meetings with selected stakeholders in the Seattle, WA area.




3. Reach Target Audiences

Communicate, educate, inform and promote H2 & FCEVs benefits and opportunities to key outside stakeholders and general public for increased and continued support. Become readily recognized as the face of the industry for trustworthy information and assist.

Activity	Description	Picture
CEC Board Meeting, April 12, Sacramento	CaFCP staff and Honda, Toyota Test Drive	 <p>Copyright California Fuel Cell Partnership</p>
CARB – Earth Day 2017 April 19, Sacramento	CaFCP Exhibit display	 <p>Copyright California Fuel Cell Partnership</p>
Sacramento Alt Car Expo, April 19, State Capitol	CaFCP Exhibit display	No photo available

First Element, GOBiz, CEC and CaFCP Bay Area Rally, April 20, San Francisco Bay Area	Road Rally with Toyota, Honda and CaFCP members	
Santa Barbara Earth Day Event, April 21-23, Santa Barbara	Exhibit display	
Carthay Science Fair & Environmental Expo, April 28, Los Angeles	CaFCP & Hyundai display	

2017 APTA Paratransit and Expo, May 8, Reno NV	Exhibit display with Ballard, CTE and CHBC	
CAPCOA Conference, May 22, Squaw Valley	Static and outreach display with Honda	No photo available
Green Connections Forum, May 24, La Jolla	Keith - speaker	No photo available
Diesel Student Awards Lunch and Employer Meet & Greet, LA Trade-Tech College, June 1	Keith	

<p>Presidio Trust Event, June 19, San Francisco</p>	<p>CaFCP staff, Air Liquide, Honda – presentation and test drives</p>	
<p>Advanced Automotive Battery Conference, June 20-21, San Francisco</p>	<p>Bill Elrick – Presenter, Honda, Toyota and Hyundai test drive</p>	
<p>Sustain OC Driving Mobility 4 Advanced Transportation Symposium, June 27, Irvine</p>	<p>H2 FCEV panel with Honda, Toyota & First Element Fuel. (~100 attendees)</p>	

Legislative, NGO & Policy

Conduct one-on-one meetings with California state and federal elected officials and their staff in district and capitol offices. Conduct one-on-one meetings with influential NGOs at the local, state and national levels. Emphasize California's commitment to hydrogen and provide information about progress and plans. Provide education and information to policy makers.

2017 Q2 Statistics – Meetings and encounters

Elected officials: 8

Legislative staff: 11

NGOs: 3

Event name	Meeting Date	Meeting with <i>(Names and titles of all persons)</i>
District meeting	4/3/2017	Stephen Hill, district director for Assembly Member Todd Gloria (D-San Diego)
District meeting	4/3/2017	Michael Hadland, chief of staff and Tom Garcia, field representative to Assembly Member Rocky Chavez (R-Oceanside)
District meeting	4/3/2017	Lee Hernandez, senior field representative and another staff member to Assembly Member Shirley Weber (D-San Diego)
District meeting	4/3/2017	Sunana Batra, district director for Congressman Darrell Issa (R-Vista)
District meeting	4/3/2017	Raquel Maden, field representative to State Senator Ben Hueso (D-Chula Vista)
District meeting	4/3/2017	David Santillan, office of Assembly Member Sabrina Cervantes (D-Corona) and Carmen Cuevas, office of Assembly Member Medina (D-Riverside)
District meeting	4/11/2017	Lunch with Vickere Murphy, field representative to State Senator Anthony Portantino (D-Glendale)
Interaction		Had a conversation with Sacramento Mayor Darrell Steinberg at the airport.

Bay Area Tour of H2 stations	4/20/2017	State Senator Henry Stern (D-Woodland Hills), Assembly Member Bill Quirk (D-Hayward), Hayward Mayor Barbara Halliday, Hayward Council Member Barbara Lamnin, Campbell Mayor Susan Landry, San Leandro Council Member Deborah Cox (and aide to Asm. Quirk)
District meeting	6/2/2017	Congressman Darrell Issa and district director Sunanana Batra

Website and Social Media

We provide outreach and education through events, materials, video, web and social media that increase awareness in the general public, build support in early market communities and support other projects' specific goals. Our online strategy is to deliver real-world information about FCEVs and hydrogen stations to early adopter audiences. We use email, blogs, Twitter, YouTube and Facebook to share messages about FCEV commercialization and technology with different audience types.

www.cafcp.org	Apr-17	May-17	Jun-17
Number of visits	19,982	19,733	14,453
Average time users spent on site	1:51	1:54	2:01
Most visited pages	Station map Home page Stations Cars Buses & Trucks	Station map Home page Stations Cars Buses & Trucks	Station map Home page Stations Buses & Trucks Cars
Most searched keywords on Google to land on CaFCP website	truck hydrogen fueling stations trucks hydrogene gas station cafcp	truck cafcp hydrogen fueling stations trucks california fuel cell partnership	truck california fuel cell partnership hydrogen fueling stations stations soss cafcp sherman oaks hydrogen
Most referred websites	google.com automobiles.honda.com bing yahoo afdc.energy.gov	google.com bing.com yahoo automobiles.honda.com afdc.energy.gov	google.com bing.com automobiles.honda.com yahoo facebook.com

FACEBOOK	Apr-17	May-17	Jun-17
New likes	22	21	21
Lifetime likes	2,900	2,912	2,925
Lifetime Post Total Reach	10,711	19,246	12,634
Lifetime Engaged Users	285	670	465

TWITTER	Apr-17	May-17	Jun-17
Tweets for the month	48	74	60
Tweet Impressions	26,100	45,400	49,400
Profile visits	1,150	960	1,344
Mentions	352	197	216
New Followers	82	3,616	75
Total Followers	3,299	3,616	3,696

E-blast – Bay Area Hydrogen Tour, April 20	
Sent April 12, 2017	
Contacts:	565
Opened:	36.5% - 206 contacts
Bounced:	3.4% - 19 contacts
No Info:	60.2% - 340 contacts
Clicked:	1% - 4 contacts
Unsubscribed:	2

E-blast – Air Liquide Joins CaFCP Executive Board	
Sent May 2, 2017	
Contacts:	11,134
Opened:	12.5% - 1,390 contacts
Bounced:	3.2% - 351 contacts
No Info:	84.4% - 9,393 contacts
Clicked:	1% - 102 contacts
Unsubscribed:	16

E-blast – 2017 Annual Merit Review and Evaluation, June 5	
Sent May 24, 2017	
Contacts:	11,055 – 11 Tweets
Opened:	16.2% - 1,791 contacts
Bounced:	3.0% - 335 contacts
No Info:	80.8% - 8,929 contacts

E-blast – 2017 Annual Merit Review and Evaluation, June 5	
Sent May 24, 2017	
Contacts:	11,055 – 11 Tweets
Opened:	16.2% - 1,791 contacts
Bounced:	3.0% - 335 contacts
No Info:	80.8% - 8,929 contacts
Clicked:	1% - 90 contacts
Unsubscribed:	27

E-blast – Members Only: CaFCP 101, June 13	
Sent June 7, 2017	
Contacts:	194
Opened:	39.7% - 77 contacts
Bounced:	1.0% - 2 contacts
No Info:	59.3% - 115 contacts
Clicked:	3% - 5 contacts
Unsubscribed:	1

E-blast – Fuel Cell Electric Vehicle Test Drive and Briefing, June 19	
Sent June 15, 2017	
Contacts:	57
Opened:	29.8% - 17 contacts
Bounced:	5.3% - 3 contacts
No Info:	64.9% - 37 contacts
Clicked:	4% - 2 contacts
Unsubscribed:	0

E-blast – Webinar for Code Officials on Hydrogen & Fuel Cells, July 19	
Sent June 19, 2017	
Contacts:	294
Opened:	11.2% - 33 contacts
Bounced:	12.6% - 37 contacts
No Info:	76.2% - 224 contacts
Clicked:	2% - 6 contacts
Unsubscribed:	0

E-blast – Tours of Fuel Cell Electric Bus Manufacturing, August 1	
Sent June 22, 2017	
Contacts:	428
Opened:	36.7% - 157 contacts
Bounced:	3.5% - 15 contacts
No Info:	59.8% - 256 contacts
Clicked:	2% - 10 contacts
Unsubscribed:	1

E-blast – Lawndale Station Open	
Sent June 23, 2017	
Contacts:	11,045
Opened:	15.5% - 1,713 contacts
Bounced:	3.0% - 329 contacts
No Info:	81.5% - 9,003 contacts
Clicked:	2% - 188 contacts
Unsubscribed:	12

CaFCP Quarterly Update

July –September 2017

Background

The California Fuel Cell Partnership is a unique collaborative of auto manufacturers, energy companies, fuel cell technology companies and government agencies, including SCAQMD.

In its fourth phase, 2013-2016, and continuing in 2017, CaFCP members, individually or in groups, will focus on meeting these goals to achieve market launch:

- Prepare for larger-scale manufacturing, which encompasses cost reduction, supply chain and production.
- Work on the customer channel, including identifying and training dealers and service technicians.
- Reduce costs of station equipment, increase supply of renewable hydrogen at lower cost, and develop new retail station approaches.
- Support cost reduction through incentives and targeted RD&D projects
- Continue research, development and demonstration of advanced concepts in renewable and other low-carbon hydrogen.
- Provide education and outreach to the public and community stakeholders on the role of FCVs and hydrogen in the evolution to electric drive.

CaFCP and members' activities fall within three main strategic directions:

1. Support hydrogen station and vehicle deployment to enable commercial market launch in 2015 timeframe
2. Show feasibility and a clear value proposition to consumers, businesses and communities
3. Focus existing resources, engage new groups and pursue innovative concepts to overcome early market challenges

To successfully implement the vision, CaFCP activities must focus on technical, communications and business operations/strategies that require convening, collaborating and communicating.

2017 Program Plan
Q3 accomplishments



1. Develop Infrastructure	
<i>Develop the necessary infrastructure and processes to support early commercial launch and expanded vehicle rollout.</i>	
Support the construction and commissioning of current California hydrogen stations by participating in codes, standards and regulation processes; facilitating station commissioning processes; and supporting station openings.	<ul style="list-style-type: none"> • CaFCP staff sponsoring/chairing SAE J2600 fueling interface standard to be revised. • Coordinated industry stakeholder feedback on the 2017 ARB AB 8 report • Coordinated OEM and SDO discussions and development of updated consensus HRS technical requirements for the next CEC GFO • Conducted ER training/outreach for Port of LA/LB in support of Toyota Class 8 FC Drayage truck • Participated in the US TAG response on ISO documents (19882- Gaseous hydrogen — Thermally activated pressure relief devices for compressed hydrogen vehicle fuel containers, and ISO/DIS 19880-2, Gaseous hydrogen — Fueling stations — Part 2: Dispensers)
Prepare for future funding through outreach and education with fueling retailers and hydrogen industry.	<ul style="list-style-type: none"> • Coordinated fuel retailer participation in the September Working Group meeting co-located at the Pacific Oil Conference in Los Angeles to discuss hydrogen fuel integration challenges • Worked with fuel retailers in Orange County to develop a sustainable hydrogen station business model
Work with stakeholders to identify potential future station locations.	<ul style="list-style-type: none"> • Coordinated OEM Group development of its 2017 list of 45 priority hydrogen station location recommendations
Develop Road Map 2.0 with strategies for a sustainable network in California.	<ul style="list-style-type: none"> •
2. Share and Synchronize Experience	
<i>Provide forums and opportunities for members to advance group collaboration and progress within CaFCP and among stakeholders.</i>	
Build and expand trust among members through open communication and forums.	<ul style="list-style-type: none"> • Organized and facilitated Sept 6-7 in-person Working Group meeting in conjunction with Pacific Oil Conference in LA and at Honda, Torrance. • Coordinated the August OEM-SDO-government meeting to review and discuss the OEM 2017 list of 45 priority hydrogen station location recommendations

	<ul style="list-style-type: none"> Facilitated on-going SDO and OEM Group meetings to address hydrogen commercialization and station development challenges
Communicate with stakeholders nationally and internationally to share learnings and amplify market launch efforts.	<ul style="list-style-type: none"> Presented the July CAFCP hydrogen station network update webinar to an international audience
4. Expand Markets	
<i>Restructure CaFCP to be more inclusive and capable of meeting the expanding commercial market needs and opportunities, broadening the member base, and being the voice of all stakeholder participants</i>	
Establish new structure and expand membership.	<ul style="list-style-type: none">
Support deployment of fuel cell bus Centers of Excellence and the Bus Team.	<ul style="list-style-type: none"> Conducted tours of the ElDorado National factory in Riverside for elected officials, transit agencies, policy makers and NGOs. Organized and facilitated CaFCP Bus Team meeting at OCTA in Orange on July 14 to exchange lessons learned and discuss FCEB challenges, including missing information about FCEB H2 fueling infrastructure cost. CHBC Fuel Cell Bus Workshop, Sacramento Sept 27 - CaFCP staff provided input for agenda, participated and presented as a panelist in the session “Developing an Action Plan for FCEBs” about lessons learned.
Support activities outside of California, as directed by members	<ul style="list-style-type: none"> Conducted ER training/outreach for Boston and New York Fire Departments in conjunction with Toyota.

3. Reach Target Audiences

Communicate, educate, inform and promote H2 & FCEVs benefits and opportunities to key outside stakeholders and general public for increased and continued support. Become readily recognized as the face of the industry for trustworthy information and assist.

Activity	Description	Picture
EES Inter Solar/SEMICON WEST, San Francisco, CA. July 11-13	Exhibit display with Honda and Air Liquide Attendees: 150 Keith, Juan Presenter: Keith Attendees: 20	
Code Webinar for Cities and Authorities Having Jurisdiction, July 19	Registered: 50 Attended: 29, Keith, Jennifer	
Allied Clean Fuels Plaza Networking Event with NEL and B&B Consulting, Napa, CA. July 21	Display: Toyota Mirai and member support Attendee: 75 guests Juan	No photo available.
Leataata Floyd Elementary School, Sacramento, CA. July 25	Display: Toyota Mirai Students: 40 Juan	No photo available.

ReFire Chinese Delegation, CaFCP HQ, July 26	Meeting: Bill Elrick Stakeholders: 10 Bill	No photo delegation.
ElDorado National factory tours of Fuel Cell Electric Buses under assembly, Riverside, CA, Aug. 1	Tour Stakeholders: 30 Nico and Keith	
Norwegian Ministry of the Environment/Vidar Helgesen, CaFCP HQ, Aug. 2	Presentation, and Linde Station tour Display: Toyota Mirai Stakeholders: 11 Bill and Juan	No photo available
Green Energy Visitors, CaFCP HQ, Aug. 28	Meeting 6 attendees Bill	No photo available.
Pacific Oil Conference, Los Angeles, Sept. 5-7	Exhibit: Air Liquide Attendees: 30 Juan	

National EV Week hosted by Sierra Club, Richmond, CA, Sept. 9	Test drive: Honda Clarity and Toyota Mirai Attendees: 25 Juan	
Hydrogen + Fuel Cells NORTH AMERICA, Las Vegas, Sept. 10-12	Test Drive: Honda Clarity, Hyundai Tucson and Toyota Mirai Exhibit Speaker/Presenter: Bill Elrick, Air Liquide, Toyota, Hydrogenics Test Drives: 98 Attendees: 125 Bill, Keith, Ben and Juan	 

**League of California Cities
Conference and Expo,
Sacramento, Sept. 13-14**



**Exhibitor:
Toyota Mirai
and Air
Liquide
Attendees: 75
Keith, Juan**



**Hydrogen and Fuel Cell
Investment Forum, New
York, NY. Sept. 18**

**Presenter: Bill
Elrick
Attendees:
over 150**



VERGE Green, Santa Clara, Sept. 19-21	Test Drive: Toyota Mirai Test drives: 50 Exhibitor: Toyota Attendees: 100 Keith, Juan	
California Hydrogen and Fuel Cell Summit, Sacramento, CA. Sept. 25-27	Presenter: Nico Attendees: 50	No photo available.
Tri-Valley Cities, San Ramon, Sept. 26	Presenter: Keith Attendees: 30	
Cyclocross, West Sacramento, Sept. 30	Sponsor, Toyota Mirai Attendance: over 1000 Chris	No photo available.

Legislative, NGO & Policy

Conduct one-on-one meetings with California state and federal elected officials and their staff in district and capitol offices. Conduct one-on-one meetings with influential NGOs at the local, state and national levels. Emphasize California's commitment to hydrogen and provide information about progress and plans. Provide education and information to policy makers.

2017 Q3 Statistics – Meetings and encountersElected officials: **14**Legislative staff: **31**NGOs: **3**

Event name	Meeting Date	Meeting with <i>(Names and titles of all persons)</i>
Bus tours at ElDorado National	8/1/2017	Assembly Member Sabrina Cervantes and aide David Santillan; State Senator Tony Mendoza and aide Yahaira Ortiz; Assembly Member Jose Medina and aide Jorell Verella, Coalition for Clean Air
Community block party	8/5/2017	Assembly Member Holden (D-Pasadena), Victor Munoz, legislative aide
District meeting	8/8/2017	State Senator Ben Allen (D-Redondo Beach), Field Representative Allison Towles
District meeting	8/10/2017	Victor Munoz, legislative aide (transportation) to Assembly Member Chris Holden (D-Pasadena)
District meeting	8/11/2017	State Senator John Moorlach (R-Costa Mesa), district director and another staff member.
District Meeting	8/15/2017	State Senator Pat Bates (D-Laguna Hills) and staff member
District meeting	8/24/2017	District office staff of Assembly Member Bocanegra (D-San Fernando)
District Meeting	8/25/2017	State Senator Anthony Portantino (D-Glendale) and Vickere Murphy, district representative
District Meeting	9/22/2017	Clayton Heard, field representative to Congressman Alan Lowenthal (D-Long Beach)
District Meeting	9/25/2017	Assembly Member Catherine Baker (R-San Ramon) and aide.

District Meeting	9/25/2017	Mallory DeLauro , office of Congressman Eric Swalwell (D-Castro Valley)
District Meeting	9/25/2017	Assembly Member Rob Bonta (D-Oakland) and aide Graham Drake.
District Meeting	9/26/2017	Tom Bartee, district director of State Senator Bill Dodd (D-Vallejo)
District Meeting	9/26/2017	Senator Mike McGuire (D-San Rafael) and district representative Carole Mills
District Meeting	9/27/2017	State Senator Scott Wiener (D-San Francisco) and district director Jeff Sparks
District Meeting	9/27/2017	Mary Nicely, district director of Assembly Member Tony Thurmond (D-Oakland)
District Meeting	9/28/2017	Domingo Candelas, deputy district director for State Senator Jim Bealle (D-Campbell)
District Meeting	9/28/2017	Anurag Pal and Nancy Le, field representatives for Assembly Member Kansen Chu (D-Milpitas)
District Meeting	9/28/2017	Christopher Moylan, district director for Congressman Ro Khanna (D-Santa Clara)
District Meeting	9/28/2017	Stacie Shih, district director to Assembly Ash Kalra (D-
District Meeting	9/28/2017	Kathy Tran, field representative and Allen Chiu, deputy district director to Assembly Member Evan Low (D-Cupertino)
Community meeting	10/8/2017	Assembly Member Sebastien Ridley-Thomas (D-Los Angeles)
Ribbon cutting – Torrance station	10/9/2017	Assembly Member Al Muratsuchi (D-Torrance) and field representative Cody Bridges; State Senator Steven Bradford and district representative Nital Patel
Ribbon cutting – San Ramon station	10/10/2017	Assembly Member Catherine Baker, State Senator Steve Glazer, Supervisor Candace Andersen, Mayor

Website and Social Media

We provide outreach and education through events, materials, video, web and social media that increase awareness in the general public, build support in early market communities and support other projects' specific goals. Our online strategy is to deliver real-world information about FCEVs and hydrogen stations to early adopter audiences. We use email, blogs, Twitter, YouTube and Facebook to share messages about FCEV commercialization and technology with different audience types.

www.cafcp.org	Jul-17	Aug-17	Sep-17
Number of visits	14,166	12,487	11,309
Average time users spent on site	2:04	2:02	2:03
Most visited pages	Station map Home page Stations Cars Lawndale Station	Station map Home page Stations Cars Blog: 30th Retail Hydrogen Station Opens	Station map Home page Stations Diamond Bar Station Cars
Most searched keywords on Google to land on CaFCP website	cafcp hydrogen fueling stations california fuel cell partnership sherman oaks hydrogen m.cafcp.org	m.cafcp.org hydrogen fueling stations cafcp.org latest prices for h2 refueling stations sherman oaks hydrogen	hydrogen fuel stations m.cafcp.org soss cafcp latest prices for h2 refueling stations hydrogen fueling stations
Most referred websites	google bing automobiles.honda.com m.cafcp.org yahoo	google bing t.co (Twitter) yahoo facebook.com	google bing yahoo t.co (Twitter) automobiles.honda.com

FACEBOOK	Jul-17	Aug-17	Sep-17
New likes	24	47	21
Lifetime likes	2,940	2,977	2,987
Lifetime Post Total Reach	14,917	18,214	11,092
Lifetime Engaged Users	883	1,142	716

TWITTER	Jul-17	Aug-17	Sep-17
Tweets for the month	90	18	20
Tweet Impressions	65,100	21,500	21,200
Profile visits	1,391	1,627	1,446
Mentions	276	207	160
New Followers	83	76	92
Total Followers	3,782	3,860	3,949

E-blasts Sent

Webinar for Code Officials on Hydrogen and Fuel Cells, July 19	
Sent July 7, 2017	
Contacts:	438
Opened:	12.8 % - 56 contacts
Bounced:	4.6 % - 20 contacts
No Info:	82.6 % - 362 contacts
Clicked:	2% - 8 contacts
Unsubscribed:	0

Hydrogen Stations Webinar: Network Development Status in California, July 26	
Sent July 7, 2017	
Contacts:	11,016
Opened:	12.7% - 1,397 contacts
Bounced:	2.7% - 298 contacts
No Info:	84.6% - 9,321 contacts
Clicked:	2% - 173 contacts
Unsubscribed:	13

Fuel cell bus costs to decline \$200,000 by 2020	
Sent July 24, 2017	
Contacts:	438
Opened:	31.3% - 140 contacts
Bounced:	0.7% - 3 contacts
No Info:	68.1% - 305 contacts
Clicked:	2% - 9 contacts
Unsubscribed:	2

Webinar Presentation for Code Officials on Hydrogen and Fuel Cells	
Sent July 27, 2017	
Contacts:	49
Opened:	55.1% - 27 contacts
Bounced:	0% - 0 contacts
No Info:	44.9% - 22 contacts
Clicked:	12% - 6 contacts
Unsubscribed:	0

San Ramon Station Open	
Sent July 27, 2017	
Contacts:	10,999
Opened:	15.0% - 1,647 contacts
Bounced:	2.6% - 284 contacts
No Info:	82.4% - 9,068 contacts
Clicked:	2% - 172 contacts
Unsubscribed:	11

2017 Priority Station Locations Letter	
Sent August 2, 2017	
Contacts:	10,973
Opened:	13.8% - 1,514 contacts
Bounced:	2.5% - 271 contacts
No Info:	83.7% - 9,188 contacts
Clicked:	3% - 302 contacts
Unsubscribed:	21

July 2017 Hydrogen Station Update Webinar - Q&A	
Sent August 2, 2017	
Contacts:	226
Opened:	53.5% - 121 contacts
Bounced:	1.8% - 4 contacts
No Info:	44.7% - 101 contacts
Clicked:	24% - 54 contacts
Unsubscribed:	0

Webinar for 2017 Annual Evaluation of Fuel Cell Electric Vehicles Deployment and Hydrogen Fuel Station Network Development (AB8)	
Sent August 18, 2017	
Contacts:	10,946
Opened:	12.5% - 1,373 contacts
Bounced:	2.4% - 266 contacts
No Info:	85.0% - 9,307 contacts
Clicked:	2% - 257 contacts
Unsubscribed:	6

Torrance Station Open	
Sent August 18, 2017	
Contacts:	10,931
Opened:	14.1% - 1,540 contacts
Bounced:	2.4% - 262 contacts
No Info:	83.5% - 9,129 contacts
Clicked:	2% - 169 contacts
Unsubscribed:	9

August 2017 AB8 Report Webinar - Q&A	
Sent September 6, 2017	
Contacts:	226
Opened:	52.7% - 119 contacts
Bounced:	1.8% - 4 contacts
No Info:	45.6% - 103 contacts
Clicked:	18% - 41 contacts
Unsubscribed:	0

31st Retail Hydrogen Station Opens in Fremont	
Sent September 8, 2017	
Contacts:	10,913
Opened:	11.7% - 1,279 contacts
Bounced:	2.4% - 264 contacts
No Info:	85.9% - 9,370 contacts
Clicked:	1% - 130 contacts
Unsubscribed:	14

San Ramon Hydrogen Station Ribbon Cutting Invite, October 10	
Sent September 22, 2017	
Contacts:	434
Opened:	32.0% - 139 contacts
Bounced:	0.9% - 4 contacts
No Info:	67.1% - 291 contacts
Clicked:	5% - 20 contacts
Unsubscribed:	1

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 5

PROPOSAL: Recognize Revenue to Develop Test Standard for Performance Verification of Low-Cost Indoor Air Quality Sensors

SYNOPSIS: DOE's Office of Energy Efficiency and Renewable Energy awarded its competitive research grant, "Building America Industry Partnerships for High Performance Housing Innovation," to Newport Partners, LLC, to develop an American Society for Testing and Materials test standard for performance verification of low-cost indoor air quality sensors. SCAQMD and researchers from Home Ventilating Institute and Texas A&M Riverside Energy Efficiency Laboratory will collaborate with Newport Partners, LLC, on the development of this test standard. This action is to recognize revenue up to \$56,106 from Newport Partners, LLC, to support collaboration of this project.

COMMITTEE: Technology, January 19, 2018; Recommended for Approval

RECOMMENDED ACTION:

Recognize revenue, upon receipt, up to \$56,106 from Newport Partners, LLC, to reimburse SCAQMD for Salary and Employee Benefits costs related to collaboration of the project to develop a test standard performance verification of low-cost indoor air quality sensors.

Wayne Natri
Executive Officer

MMM:JCL:AP

Background

With the advent of low-cost gaseous and particulate sensors, optimized, energy efficient ventilation techniques for maintaining acceptable indoor air quality (IAQ) are possible. However, research has shown that the accuracy of sensors being offered for this purpose varies widely. Until a standardized test method is developed for determining the accuracy of low-cost IAQ sensors, builders and designers cannot specify such sensors or the "smart ventilation" systems that they control with the assurance of adequate

performance. As a result, potential energy savings are lost, consumers can suffer from poor IAQ due to low quality sensors, and builders would be averse to using smart ventilation systems. To address the gap in standardized test methods for low-cost IAQ sensors, Newport Partners, LLC, has submitted a proposal to the DOE to source funding for the development of a test standard.

Through the development of the AQ-SPEC test methods for low-cost air quality sensors, SCAQMD has completed the elements of developing a consensus test standard. The building blocks that are now in place that creates a proof-of-concept for this project include:

- Acquisition of reference instruments needed for reference measurements;
- Identification of critical performance characteristics for test method verification, including but not limited to accuracy and precision;
- Development of performance evaluation test methods for criteria pollutants and air toxics sensors; and
- Performance of initial evaluations of sensors to the test methods (SCAQMD has tested over 30 sensors to date).

Proposal

SCAQMD will partner with Newport Partners, Home Ventilating Institute, and Texas A&M Riverside Energy Efficiency Laboratory to achieve the overarching objective of this project which is to develop and publish an American Society for Testing and Materials (ASTM) consensus test standard for performance verification of low-cost IAQ sensors. Critical success factors include:

- Convening a work group of industry-leading stakeholders including laboratories, manufacturers and industry groups;
- Transitioning SCAQMD's test methods applicable to outdoor/indoor air quality sensors to a consensus test standard focused on indoor air quality applications;
- Incorporating adequate stringency into test methods to ensure repeatability and reliability while minimizing testing costs for sensor manufacturers;
- Verifying test standard suitability through lab testing; and
- Communicating with ASTM staff and relevant subcommittees and committees to ensure publication of the standard within two years of the project's award.

For this purpose, SCAQMD will provide access to low-cost IAQ sensor test methods, engineering consulting with respect to development of the test standard, and conduct lab tests on low-cost test sensors in accordance with the draft test standard to identify opportunities for improvement.

The outcome of this project will be development of a consensus-based test standard for verifying IAQ sensor performance. Developing a standardized test method for IAQ sensors is essential to empower codes, standards and code programs to confidently approve smart ventilation solutions that can minimize ventilation energy use while safeguarding occupant health.

Benefits to SCAQMD

SCAQMD has the nation's leading laboratory with respect to evaluating and developing test methods for low-cost air quality sensors (AQ-SPEC). SCAQMD draft test methods are the most advanced guidelines available on this subject in both the U.S. and Europe. DOE funding is critical to advance SCAQMD's work in this area beyond draft methods. The results of this project will quickly transition the industry to a standardized, consensus-based test standard that can be referenced in mandatory ventilation codes and standards. This project will also lay the foundation for the development of performance standards for low-cost outdoor air quality sensors, an important step towards the development of a sensor certification program.

Resource Impacts

Sufficient funding is available for this project within the Science & Technology Advancement Budget using existing staff resources. The DOE has authorized funding of \$56,106 for this test standard development for SCAQMD through Newport Partners, LLC, and those funds will be recognized upon receipt to reimburse SCAQMD for Salary and Employee Benefits costs related to this project. SCAQMD shall provide cost-sharing in the amount of \$22,442 (Salaries and Employee Benefits only) for the project.

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 6

PROPOSAL: Recognize Revenue and Appropriate and Transfer Funds for U.S. EPA PAMS Program and Issue RFQ and Purchase Orders for Equipment

SYNOPSIS: SCAQMD was awarded \$200,000 in U.S. EPA Clean Air Act Section 105 Grant funds in FY 2018 to be an early adopter of the new PAMS program requirements in advance of the 2019 deadline. Staff recommends that a portion of remaining FY 2017 PAMS funds be reallocated to purchase air monitoring equipment. These actions are to recognize revenue and appropriate funds into the FYs 2017-18 and/or 2018-19 Science & Technology Advancement Budgets for the partial implementation of the FY 2018 (26th Year) PAMS Program, transfer funds between Major Objects, and issue an RFQ and purchase orders for equipment to conduct air monitoring, VOC analyses and meteorological measurements.

COMMITTEE: Administrative, January 12, 2018; Recommended for Approval

RECOMMENDED ACTIONS:

1. Recognize revenue, upon receipt, of up to \$200,000 into the General Fund and appropriate up to \$200,000 from the General Fund Unassigned (Undesignated) Fund Balance into Science & Technology Advancement's FYs 2017-18 and/or 2018-19 Budgets (Org 47), Capital Outlays Major Object, Capital Outlays Account, related to FY 2018 (26th Year) PAMS funding.
2. Transfer up to \$126,080 from remaining FY 2017 (25th Year) PAMS funds in Science & Technology Advancement's FY 2017-18 Budget (Org 47) from the Services and Supplies Major Object to the Capital Outlays Major Object and reallocate remaining Capital Outlays Major Object funds up to \$50,920 for fixed asset purchases totaling \$177,000 as included in Tables 1 and 2.
3. Issue an RFQ, in accordance with SCAQMD's Procurement Policy and Procedure, for ozone air monitoring equipment listed in Table 1 and described in this letter.

4. Authorize the Procurement Manager, in accordance with SCAQMD's Procurement Policy and Procedure, to issue:
 - a. Purchase order(s), based on the results of an RFQ, for up to nine (9) ozone monitors, in an amount not to exceed \$102,000 as listed in Table 1 and described in this letter;
 - b. A purchase order, based on prior bid, last price from a recent RFQ, for one automated gas chromatography system (GC) from Orsat, LLC, in an amount not to exceed \$215,000 as listed in Table 2 and described in this letter; and
 - c. Sole source purchase orders for air monitoring from Teledyne API and meteorological equipment from Vaisala Inc. in an amount not to exceed \$60,000 as listed in Table 2 and described in this letter.

Wayne Nastri
Executive Officer

MMM:JCL:AP:AK:KD

Background

Title 40, Code of Federal Regulations, Part 58 (40 CFR 58) requires states to establish PAMS as part of their State Implementation Plan (SIP) monitoring networks in ozone non-attainment areas classified as serious, severe or extreme to collect and report detailed data for VOCs, NO_x, ozone, and meteorological variables. This is done to better understand the underlying causes of ozone pollution, devise effective remedies and measure environmental improvement.

In 2011, U.S. EPA along with local and state agencies evaluated the PAMS network and recommended changes to regulations published on October 1, 2015, as part of the Ozone NAAQS review. Changes to requirements include co-locating PAMS sites with existing National Core (NCore) sites¹, development of enhanced monitoring plans (EMPs) for non-attainment areas, hourly VOC measurements using auto-gas chromatographs, direct NO₂ measurements, and monitoring of multiple meteorological parameters including mixing height. PAMS monitoring at NCore sites is required by June 1, 2019, and EMPs are required by October 1, 2019. SCAQMD intends to be an early adopter at one site of required changes and implement the changes including hourly VOC, direct NO₂, and enhanced meteorological measurements in advance of the 2019 deadline. U.S. EPA has provided funding of \$200,000 for this effort.

¹a national air quality monitoring network comprised of 80 stations where multiple pollutants are measured

In addition, staff recommends that \$177,000 of remaining 25th Year PAMS Section 105 grant funds from FY 2017 be reallocated for ongoing PAMS program efforts. These funds were previously appropriated in the July 7, 2017 Board Letter (#6).

Proposal

These actions are to: (1) recognize revenue and appropriate funds into the FYs 2017-18 and/or 2018-19 Science & Technology Advancement Budgets for the partial implementation of the FY 2018 (26th Year) PAMS Program; (2) transfer funds between Major Objects within Science & Technology Advancement's FY 2017-18 Budget and reallocate funds from the FY 2017 (25th Year) PAMS Program for fixed asset purchases; and (3) issue an RFQ and purchase orders for equipment that performs air monitoring, VOC analysis and meteorological measurements.

Proposed Purchase Order through RFQ Process

Ozone monitors are used to continuously monitor ozone concentrations at air monitoring stations collecting data to support the U.S. EPA PAMS Program. Some of the current ozone monitors have been in service beyond their expected life span and will no longer be supported by the manufacturer. In addition, they do not have the latest digital capabilities and cannot stream data compatible with the SCAQMD data acquisition system. The cost for nine (9) ozone monitors is approximately \$102,000. Quotes for this RFQ will be solicited through competitive formal bids, in accordance with SCAQMD Procurement Policy and Procedure.

Proposed Purchases through Prior Bid, Last Price or Sole Source Purchase Orders

Automated Gas Chromatography System

An automated gas chromatography (GC) system analyzes and quantifies non-methane VOCs including benzene, toluene, ethylbenzene, xylenes and the remainder of the U.S. EPA PAMS target list. The GC system will be used to continuously measure one-hour time integrated air samples at a PAMS air monitoring station. The cost of the GC system is \$215,000 from Orsat, LLC. This price is from a recent RFQ for an identical instrument for the MATES V study. The use of this RFQ is authorized under Section IV.B.5 of the SCAQMD Procurement Policy and Procedure, Prior Bid, Last Price, which states that after confirming the validity of a prior price, an award may be made on the basis of a prior bid or on the basis of a last price, if the conditions of a previous purchase are similar.

Direct Nitrogen Dioxide Monitor

Changes to PAMS requirements include monitoring for NO and NO_y (total oxides of nitrogen) in addition to direct nitrogen dioxide (NO₂), where the latter must be taken with extremely sensitive, fast and accurate NO₂ measurements. The estimated cost of a direct NO₂ monitor is \$25,000. This will be a sole source purchase from Teledyne API.

Ceilometer

A ceilometer instrument continuously measures cloud bases and mixing depth in the lower atmosphere using laser technology. These instruments have been recommended by U.S. EPA as an efficient way to meet the PAMS requirements for continuous measurements of upper air mixing heights. With a ceilometer, SCAQMD staff will be able to better assess the variation in mixing between the coastal plain and the inland portion of the Basin. The cost for one ceilometer is approximately \$35,000. This will be a sole source purchase from Vaisala Inc.

Outreach

In accordance with SCAQMD's Procurement Policy and Procedure, a public notice advertising the RFQ and inviting bids will be published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County's Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may be notified utilizing SCAQMD's own electronic listing of certified minority vendors. Notice of the RFQ will be emailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at SCAQMD's website (<http://www.aqmd.gov>) where it can be viewed by making the selection "Grants & Bids."

Sole Source Justification

Section VIII, B.3 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified for federally funded procurement and states: For contracts funded in whole or in part with federal funds, written justification for sole source award must be provided documenting that awarding a contract is infeasible under small purchase procedures, sealed bids or competitive proposals and that one of the following circumstances applies: (a) The item is available only from a single source; (b) The public exigency or emergency for the requirement will not permit a delay resulting from competitive solicitation; (c) The awarding federal agency authorizes noncompetitive proposals; or (d) After solicitation of a number of sources, competition is determined inadequate.

The request for sole source purchase of the ceilometer for mixing height measurements is made under Section VIII.B.3.a: The items are available only from a single source due to proprietary technology, including unique software for the measurement of boundary layer mixing heights. Vaisala Inc. is currently the only vendor that can provide an instrument and software consistent with that already in use in the SCAQMD Upper Air Network. The request for sole source purchase of the direct NO₂ monitor is also made under Section VIII.B.3.a: The items are available only from a single source due to proprietary technology. Teledyne API is currently the only vendor that can provide an instrument for direct measurement of NO₂ in air. The instrument utilizes a patented

Cavity Attenuated Phase Shift technique to provide extremely sensitive, fast and accurate NO2 measurements.

Resource Impacts

U.S. EPA Section 105 Grant funding will support the partial implementation of the 26th Year PAMS Early Adopter Program by funding Capital Outlays for required changes at one of SCAQMD's PAMS sites in advance of the 2019 deadline to implement such changes. Upon Board approval, revenue in an amount not to exceed \$200,000 from the U.S. EPA FY 2018 Section 105 Grant will be recognized upon receipt and appropriated to Science & Technology Advancement's FYs 2017-18 and/or 2018-19 Budgets (Org 47), Capital Outlays Major Object, Capital Outlays account. The FY 2018 PAMS grant will fund the direct NO2 monitor, the ceilometer and a portion of the GC. Funding of \$177,000 from FY 2017 PAMS (25th Year) will also be available for a portion of the purchase of the GC, as well as the purchase of the ozone monitors upon U.S.EPA award of carryover funding. The following tables outline proposed Capital Outlay purchases:

Table 1
Proposed Purchase Order through RFQ

Description	PAMS Funding Year	Qty	Estimated Cost
Ozone Monitors	FY 2017	9	\$102,000
Total			Not to Exceed \$102,000

Table 2
Proposed Purchases through Prior Bid, Last Price or Sole-Source Purchase Orders

Description	PAMS Funding Year	Qty	Estimated Cost	Vendor
GC	FYs 2017 & 2018	1	\$215,000*	Orsat, LLC
Direct NO2 Monitor	FY 2018	1	\$25,000	Teledyne API
Ceilometer	FY 2018	1	\$35,000	Vaisala Inc.
Total			Not to Exceed \$275,000	

*The GC funding includes \$140,000 allocated from the FY 2018 PAMS early adoption grant and \$75,000 reallocated from the FY 2017 PAMS grant.

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 7

PROPOSAL: Issue Request for Qualifications for Technical Assistance to Support Technology Advancement Activities

SYNOPSIS: This action is to issue a Request for Qualifications (RFQ) to solicit statements of qualifications from individuals and organizations capable of providing technical expertise in a variety of specialized areas to support SCAQMD's technology advancement activities and implementation efforts. It is anticipated that multiple awards for level-of-effort contracts will be made from this RFQ.

COMMITTEE: Technology, January 19, 2018; Recommended for Approval

RECOMMENDED ACTION:

Issue RFQ #Q2018-12 for technical assistance to support technology advancement activities.

Wayne Nastri
Executive Officer

MMM:FM

Background

The Technology Advancement Office (TAO) administers and manages both the implementation of incentive programs as well as the pre-commercial research, development, demonstration and deployment (RDD&D) of low and zero emission technologies.

TAO's Clean Fuels Program, which is a far-reaching effort, incorporating a mix of short-, medium-, and long-term goals, representing a continuum of technology improvements to achieve clean air in the Basin, receives more than \$12 million annually in revenue and on average has 100 active contracts open every year. TAO periodically releases solicitations to obtain consultants to augment in-house expertise and assist staff in technical reviews, coordination of projects, comparative analyses and implementation of incentive programs. Due to the rapid pace at which technologies are evolving, additional assistance is required for advanced, pre-commercial technology demonstration programs.

In addition, there are multiple state incentive programs, specifically the Carl Moyer, the AB 134, the Proposition 1B-Goods Movement and the Lower Emission School Bus Programs, which are anticipated to provide over \$250 million to the South Coast region. Comprehensively, these various incentive programs have 1,500 active contracts at any one time with available funding of over \$300 million. Expert consultants and administrative resources are required to assist staff in establishing the procedures for implementation of these programs.

Proposal

This action is to issue an RFQ for technical assistance to solicit qualifications from individuals and organizations capable of providing technical assistance in a variety of areas to support TAO activities in the following areas. In each case, it will first be determined whether the work can be performed in-house. Proposals will be due March 7, 2018, with anticipated Board approval following in June.

Mobile Applications

Low and zero emissions technologies for light-, medium-, and heavy-duty vehicles (on- and off-road applications), including:

- Fuel cells, hybrids (electric, plug-in, hydraulic and others) and alternative fuels;
- Components (e.g., batteries and ultracapacitors) and system expertise (e.g., software controllers);
- Engines and exhaust treatment technologies (e.g., catalyst and trap systems); and
- Demonstration of low and zero emissions technologies in fleets.

Fuels

Fuel processing, reformulation and emission analyses for:

- Alternative and conventional fuels;
- Biofuels (ethanol, biodiesel and biomass);
- Hydrogen infrastructure; and
- Gas-to-liquid (GTL) fuels.

Stationary Applications

- Advanced combustion technologies;
- Advanced or innovative aftertreatment control technologies;
- Renewable technologies; and
- Fuel cell, hybrid and hydrogen-energy co-production.

Emissions and Analyses

- Toxic air contaminants from motor vehicles and their potential formation;
- Health and safety issues related to new technologies;
- Mobile source data compilation and analyses;
- Advanced technology transition (bridging) analyses; and
- Advanced technology assessments, including market penetration and consumer acceptance studies.

•

Incentive Programs

Support for implementing incentive program activities including but not limited to:

- Technology analyses and comparisons including cost-effectiveness;
- Development, evaluation and implementation of program guidelines;
- Proposal evaluations and emissions analyses;
- Infrastructure evaluation and inspections;
- Outreach to fleets for implementing clean technologies;
- Outreach to disadvantaged and low-income communities; and
- Data gathering and reporting.

Bid Evaluation

Consultants will be selected based on the criteria in the RFQ, and successful bidders shall be retained through level-of-effort contracts based on their area(s) of expertise and TAO's needs so that work assignments can be issued for specific tasks and projects without requiring further lengthy consultant selection processes for each individual project. It is anticipated that multiple awards will be made from this RFQ.

Outreach

In accordance with SCAQMD's Procurement Policy and Procedure, a public notice advertising the RFQ and inviting bids will be published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County's Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may be notified utilizing SCAQMD's own electronic listing of certified minority vendors. Notice of the RFQ will be emailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at SCAQMD's website (<http://www.aqmd.gov>) where it can be viewed by making the selection "Grants & Bids."

Benefits to SCAQMD

Outside expertise will provide an effective means of evaluating new technologies and assessing emission reductions, thus supporting implementation of TAO's RDD&D and incentive programs.

Resource Impacts

Due to the indefinite nature of the work, the actual contract amounts cannot be determined at this time. Multiple awards are anticipated from this RFQ. The total amount of funding to be recommended for the Board's consideration for each contract will be dependent upon the consultant's qualifications and SCAQMD needs. The Clean Fuels Fund (31) and the administrative portions of the incentive program funds will be used for awards made under this RFQ.

Attachment

RFQ #Q2018-12 - Technical Assistance to Support SCAQMD's Technology Advancement Activities and Implementation Efforts



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

REQUEST FOR QUALIFICATIONS

Technical Assistance to Support SCAQMD's Technology Advancement Activities and Implementation Efforts

Q2018-12

South Coast Air Quality Management District (SCAQMD) requests qualifications for the following purpose according to terms and conditions attached. In the preparation of this Request for Qualifications (RFQ), the words "Contractor," "Consultant," and "Firm" are used interchangeably.

PURPOSE

The purpose of this RFQ is to solicit statement of qualifications from individuals and organizations capable of providing technical assistance in a variety of specialized areas to support SCAQMD's technology advancement activities and implementation efforts.

INDEX - The following are contained in this RFQ:

Section I	Background/Information
Section II	Contact Person
Section III	Schedule of Events
Section IV	Participation in the Procurement Process
Section V	Statement of Work/Schedule of Deliverables
Section VI	Required Qualifications
Section VII	Proposal Submittal Requirements
Section VIII	Proposal Submission
Section IX	Proposal Evaluation/Contractor Selection Criteria
Section X	Funding
Section XI	Sample Contract

Attachment A - Participation in the Procurement Process

Attachment B - Certifications and Representations

SECTION I: BACKGROUND/INFORMATION

The SCAQMD is a regional governmental agency responsible for meeting air quality health standards in Orange County and the non-desert portions of Los Angeles, Riverside and San Bernardino counties.

Mobile sources emit the majority of air pollution in the South Coast Air Basin (Basin). In particular, heavy-duty diesel vehicles emit high levels of nitrogen oxides (NO_x), a precursor to photochemical smog, as well as diesel particulate exhaust, which has been categorized by the California Air Resources Board (CARB) as a toxic air contaminant.

The Air Quality Management Plan (AQMP) for the Basin identifies the application of clean-burning alternative fuels (e.g., natural gas, ethanol, and hydrogen), advanced vehicle technologies (e.g., fuel cells, hybrid electric and plug-in hybrid electric vehicles, battery

electric) and advanced stationary source pollution control technologies to meet the national ambient air quality standards. These air quality gains, however, may only be realized if programs are in place to develop, commercialize and implement these technologies. As a result, the SCAQMD seeks to implement aggressive programs to develop and demonstrate pre-commercial technologies as well as incentivize early-commercial technologies.

SECTION II: CONTACT PERSON:

Questions regarding the content or intent of this RFQ or on procedural matters should be addressed to:

Mobile and Stationary Source

Naveen Berry
Technology Demonstration Manager
SCAQMD
21865 Copley Drive
Diamond Bar, CA 91765-4178
(909) 396-2363
Email: nberry@aqmd.gov

Incentive Programs

Vicki White
Technology Implementation Manager
SCAQMD
21865 Copley Drive
Diamond Bar, CA 91765-4178
(909) 396-3436
Email: vwhite@aqmd.gov

SECTION III: SCHEDULE OF EVENTS

Date	Event
February 2, 2018	RFQ Released
March 7, 2018	RFQ Closes - No Later Than 1:00 p.m.
June 1, 2018	SCAQMD Board Approval of Awards

SECTION IV: PARTICIPATION IN THE PROCUREMENT PROCESS

It is the policy of SCAQMD to ensure that all businesses including minority business enterprises, women business enterprises, disabled veteran business enterprises and small businesses have a fair and equitable opportunity to compete for and participate in SCAQMD contracts. Attachment A to this RFQ contains definitions and further information.

SECTION V: STATEMENT OF WORK/SCHEDULE OF DELIVERABLES

A. Objective

The objective of this RFQ is to solicit qualifications from individuals and organizations (hereafter referred to as "consultant") with strong technical expertise in one or more of the areas of work performed by the Technology Advancement Office at the SCAQMD, including but not limited to, the following:

Mobile Applications

Low and zero emission technologies for light-, medium-, and heavy-duty vehicles (on- and off-road applications), including:

- Fuel cells, hybrids (electric, plug-in, hydraulic and others), and alternative fuels;
- Component (e.g., batteries and ultracapacitors) and system expertise (e.g., software controllers);
- Engines and exhaust treatment technologies (e.g., catalyst and trap systems); and
- Demonstration of low and zero emission technologies in fleets

Fuels

Fuel processing, reformulation and emission analyses for:

- Alternative and conventional fuels;
- Biofuels (ethanol, biodiesel and biomass);
- Hydrogen infrastructure; and
- Gas to liquid (GTL) fuels.

Stationary Applications

- Advanced combustion technologies;
- Advanced or innovative aftertreatment control technologies;
- Renewable technologies; and
- Fuel cell, hybrid and hydrogen energy co-production.

Emissions and Analyses

- Toxic air contaminants from motor vehicles and their potential formation;
- Health and safety issues related to new technologies;
- Mobile source data compilation and analyses;
- Advanced technology transition (bridging) analyses; and
- Advanced technology assessments, market penetration and acceptance studies.

Incentive Programs

- Technology analyses and comparisons, including cost-effectiveness;
- Development, evaluation and implementation of program guidelines;
- Direct support in project evaluations, case management, emissions testing and other activities directly related to implementation of incentive funding programs;
- Proposal evaluations and emissions analyses;
- Infrastructure evaluation and inspections;
- Marine vessel emission control technologies;
- Locomotive emission reduction or control technologies
- Outreach to fleets for implementing clean technologies;
- Outreach to disadvantaged and low-income communities;
- Staff training on technical issues and electronic evaluation tools; and
- Data gathering and reporting.

This RFQ is being used to leverage staff resources with specialized outside expertise. The selected consultant(s) shall perform various tasks and functions designed to facilitate cooperation and ensure adequate information exchange to SCAQMD staff, key government agencies, existing and potential end users of advanced vehicle and stationary technologies, and industry organizations. Important issues to be monitored, assessed and acted upon may include the status of major alternative fuel technology developmental efforts, promotion of commercially available alternative-fuel engines, advanced technology development and assistance to entities implementing alternative fuel technologies among others.

In addition, the selected consultant(s) shall perform various tasks and functions related to the implementation of SCAQMD's incentive funding programs, including but not limited to: Proposition 1B – Goods Movement Emission Reduction Program, Carl Moyer Program, Voucher Incentive Program, and the Enhanced Fleet Modernization Program (Replace Your Ride).

B. Statement of Work

The selected Consultant(s) shall perform tasks on an as-needed basis upon receiving written notification from the SCAQMD's Deputy Executive Officer for Science & Technology Advancement. All work will be assigned and pre-approved by the Project Manager and the Deputy Executive Officer. Each assignment will have specific tasks to be conducted and resources to be utilized. No work can be implemented without authorized parties prior approval and acceptance of specific, detailed task assignments. Potential tasks include the following:

- Assist SCAQMD staff in evaluating the emission benefits, availability, cost effectiveness, and obstacles to the commercialization of alternative fuel technologies for on- and off-road vehicles and equipment, including but not limited to trucks, cargo-handling equipment, marine vessels, construction equipment and locomotives.
- Assist SCAQMD staff in evaluating the technical progress and emissions data of demonstration projects relating to hybrid, hydraulic and alternative fueled vehicles.
- Assist SCAQMD staff in evaluating the technical status and emissions data of demonstration projects relating to control of diesel emissions.
- Assist SCAQMD staff with impact analysis of SCAQMD rules that are specific to mobile sources including light-, medium- and heavy-duty fleet operations.
- Assist with SCAQMD efforts to facilitate the development and commercialization of zero tailpipe emission technologies for vehicles (light-duty and transit applications) and stationary applications.
- Assist SCAQMD staff in preparing briefings and technical papers, and participate in technical forums in support of alternative fuel and fuel cell development demonstration and commercialization, and other advanced mobile and stationary technologies.
- Draft briefings and technical papers for technical symposia sponsored by the Society of Automotive Engineers (SAE), Air Pollution Technology Association (APTA) and other organizations.
- Assist SCAQMD staff in evaluating the current status of advanced chemical and mechanical energy storage technologies for application to vehicles as well as other applications, e.g., cargo-handling equipment.
- Assist SCAQMD staff in evaluating the current status of renewable energies for mobile and stationary sources.

- Assist SCAQMD staff in evaluating the current status of hydrogen storage, hydrocarbon reforming technologies and innovative components for hydrogen infrastructure.
- Assist SCAQMD staff in evaluating zero emission goods movement technologies.
- Assist SCAQMD staff in evaluating electric, plug-in electric and hybrid vehicle technologies and EV charging infrastructure.
- Assist SCAQMD staff in technical evaluation of proposals submitted to the Technology Advancement Office for funding consideration pertaining to alternative fuels, battery, hydrogen, fuel cells and other advanced vehicle and stationary technologies.
- Perform other tasks relating to low and zero emission vehicle and/or stationary source technologies or to the implementation of SCAQMD incentive programs as directed by SCAQMD's Deputy Executive Officer.
- Assist SCAQMD staff with technical assistance, applications and evaluations for state incentive programs.
- Assist SCAQMD staff in preparing briefings, presentations and technical papers, and participate in technical forums and incentive program workshops.
- Assist SCAQMD staff in technical evaluation of proposals submitted to the Technology Advancement Office for funding consideration pertaining to incentive programs.
- Assist SCAQMD staff by providing clerical support for incentive program implementation, including but not limited to: filing, data entry, photocopying, workshop assistance, contracting, disseminate program information, translation and collection of annual report information.
- Interface with other SCAQMD contractors to develop technical information, plan and implement conferences, and provide outreach and publication materials.
- Assist staff with identifying, evaluating, and conducting outreach for disadvantaged and low-income communities and developing community action programs.

Schedule of Deliverables

Specific deliverables and time schedules for task completion will be established by the Deputy Executive Officer, or his designee, in writing when each task is authorized. Deliverables may include but not be limited to one or more of the following: written and/or oral technical reports, newsletters, articles, draft position papers, language for control measures, attendance at meetings/workshops with follow-up reports, etc.

SECTION VI: REQUIRED QUALIFICATIONS

- A. The SCAQMD requests submittal of a qualifications package that includes detailed expertise and capabilities of individuals and organizations who meet a combination of the technical qualifications listed below. Individuals can team to submit a joint bid if they have complementary expertise and qualifications that collectively meet the requirements. The qualifications package should include evidence documenting experience, expertise and capabilities wherever possible.
- B. Bidder(s) shall be selected for contract award based on the best combinations of qualifications.
1. Advanced college degree in an engineering, chemistry or related discipline.
 2. At least five (5) years' professional experience in the area(s) of expertise.
 3. The ability to quickly respond, on short notice, to requests for technical assistance.
 4. Working knowledge of CARB and SCAQMD programs, policies, regulations, etc. regarding toxic contaminants, mobile sources (on-road, off-road and/or marine vessels), stationary source control technologies, fuel processing, alternative fuel vehicles, and/or zero emission vehicles/equipment and supporting infrastructure.
 5. Knowledge of state and local permitting requirements for the establishment of alternative fuel refueling facilities, including different technologies being used and types of vehicles using these facilities.
 6. Experience in planning, permitting and installing infrastructure for zero emission vehicles and equipment.
 7. Proven expertise in any of the technical areas or any combination of areas as listed in Section V: Statement of Work / Schedule of Deliverables.
 8. Extensive knowledge of major research and development programs involving the technologies listed in Section V: Statement of Work / Schedule of Deliverables.
 9. Experience drafting, reviewing and assessing legislation in the field(s) of expertise.
 10. Authorship of peer-reviewed technical papers and/or articles on the field(s) of expertise.
 11. Established relationships with equipment manufacturers and industry and professional associations.
 12. Experience in implementation of incentive programs designed to reduce emissions from diesel equipment and vehicles and other sources of air pollution.
 13. Experience in conducting outreach to communities, and developing outreach plans for disadvantaged and/or low-income communities.

SECTION VII: SUBMITTAL REQUIREMENTS FOR QUALIFICATIONS PACKAGE

The submitted qualifications package must follow the format outlined below and all requested information must be supplied. Failure to submit the qualifications package in the required format may result in elimination from the evaluation process. SCAQMD may modify the RFQ or issue supplementary information or guidelines during the proposal preparation period prior to the due date. Please check our website for updates (<http://www.aqmd.gov/grants-bids>). The cost for developing the qualifications package is the responsibility of the Consultant and shall not be chargeable to SCAQMD.

The qualifications package must include the following three sections:

- Section I – Statement of Qualifications
- Section II – Cost Information
- Section III - Certifications and Representations included in Attachment B to this RFQ, must be completed and executed by an authorized official of the Contractor.

A separate cover letter including the name, address, and telephone number of the Consultant, and signed by the person or persons authorized to represent the Firm should accompany the qualifications package upon submittal. The Firm's contact information as follows should also be included in the cover letter:

1. Address and telephone number of office in, or nearest to, Diamond Bar, California.
2. Name and title of Firm's representative designated as contact.

SECTION 1 – STATEMENT OF QUALIFICATIONS

DO NOT INCLUDE ANY COST INFORMATION IN SECTION I.

Section 1 must include the following subsections:

Summary - State overall approach to meeting the objectives and satisfying the scope of work to be performed, the sequence of activities, and a description of methodology or techniques to be used.

Management Structure - Describe the proposed management structure, program monitoring procedures, and organization of the proposed team. Provide a statement addressing the Firm's ability and willingness to commit and maintain staffing to successfully complete the work within the mutually agreed schedule.

Qualifications - Describe the technical capabilities of the Firm. Provide references of other similar studies or projects performed during the last five years demonstrating ability to successfully complete the work. Include contact name, title and telephone number for any references listed. Provide a statement of your Firm's background and related experience in performing similar services for other governmental organizations.

Assigned Personnel - Provide the following information about the staff to be assigned to the SCAQMD Technology Advancement work activities:

1. List all key personnel that will be assigned to the SCAQMD's Technology Advancement work activities by level, name and location. Provide a resume or similar statement describing the background, qualifications and experience of the lead person and all persons assigned. Substitution of project manager or lead personnel will not be permitted without prior written approval of SCAQMD.
2. Provide a statement indicating whether or not 90% of the work will be performed within the geographical boundaries of SCAQMD.

3. Provide a statement of education and training programs provided to, or required of, the staff identified for participation in the project, particularly with reference to management consulting, governmental practices and procedures, and technical matters.
4. Provide a summary of your Firm's general qualifications to meet required qualifications and fulfill statement of work, including additional Firm personnel and resources beyond those who may be assigned to work on the SCAQMD Technology Advancement activities.

Subcontractors – The work activities of the Technology Advancement Office at the SCAQMD may require expertise in multiple technical areas. List any subcontractors that will be used, identifying functions to be performed by them, their related qualifications and experience and the total number of hours or percentage of time they will be able to spend working on SCAQMD's Technology Advancement activities.

Conflict of Interest - Address possible conflicts of interest with other clients affected by actions performed by the Firm on behalf of SCAQMD. SCAQMD recognizes that prospective Contractors may be performing similar projects for other clients. Include a complete list of such clients for the past three (3) years with the type of work performed and the total number of years performing such tasks for each client. Although the Firm will not be automatically disqualified by reason of work performed for such clients, SCAQMD reserves the right to consider the nature and extent of such work in evaluating the qualifications package.

Additional Data - Provide other essential data that may assist in the evaluation of the qualifications package.

SECTION 2 – COST INFORMATION

Name and Address – This section must list the name and complete address of the Firm in the upper left-hand corner.

Cost Proposal – SCAQMD anticipates awarding a Time and Materials (T&M) contract. Cost information must be provided as listed below:

1. Detail must be provided by the following categories:
 - A. Labor – This section must list the fully burdened hourly rates for each level of professional and administrative staff, including subcontractors, to be used to perform the tasks required by this RFQ. A breakdown of the proposed billing rates must identify the direct labor rate, overhead rate and amount, fringe benefit rate and amount, General and Administrative rate and amount, and proposed profit or fee. Also, include the proposed annual escalation formula for the proposed billing rates, if applicable. Provide a basis of estimate justifying the proposed labor mix.
 - B. Travel Costs - Indicate amount of travel costs, if any expected, with the basis of estimate to include trip destination, purpose of trip, length of trip, airline fare or mileage expense, per diem costs, lodging and car rental.
 - C. Other Direct Costs -This category may include such items as postage and mailing expense, printing and reproduction costs, etc. Provide a basis of estimate for these anticipated costs.

2. It is the policy of the SCAQMD to receive at least as favorable pricing, warranties, conditions, benefits and terms as other customers or clients making similar purchases or receiving similar services. SCAQMD will give preference, where appropriate, to vendors who certify that they will provide "most favored customer" status to the SCAQMD. To receive preference points, the Firm shall certify that SCAQMD is receiving "most favored customer" pricing in the Business Status Certifications page of Section III, Attachment B – Certifications and Representations.

SECTION 3 - CERTIFICATIONS AND REPRESENTATIONS (see Attachment B to this RFQ)

SECTION VIII: SUBMISSION OF QUALIFICATIONS PACKAGE

All qualifications packages must be submitted according to specifications set forth in the sections above and this section. Failure to adhere to these specifications may be cause for rejection of the qualification package by the SCAQMD.

Signature - All qualifications packages must be signed by an authorized representative of the Firm.

Due Date - All qualification packages are due no later than 1:00 p.m., Wednesday, March 7, 2018, and should be directed to:

Procurement Unit
South Coast Air Quality Management
District 21865 Copley Drive
Diamond Bar, CA 91765-4178
(909) 396-3520

Submittal - Submit four (4) complete copies of the qualifications package in a sealed envelope, plainly marked in the upper left-hand corner with the name and address of the Firm and the words "Request for Qualifications #Q2018-12."

Late submittals will not be accepted under any circumstances.

Grounds for Rejection - A qualifications package may be immediately rejected if:

- It is not prepared in the format described, or
- It is signed by an individual not authorized to represent the Firm.

Modification or Withdrawal - Once submitted, the qualifications package cannot be altered without the prior written consent of SCAQMD. All qualifications packages shall constitute firm offers and may not be withdrawn for a period of ninety (90) days following the March 7, 2018 due date.

SECTION IX: EVALUATION/CONTRACTOR SELECTION CRITERIA

- A. Qualifications packages will be evaluated by a panel of three to five SCAQMD staff members familiar with the work activities and resource needs of the Technology Advancement Office at the SCAQMD. The panel shall be appointed by the Executive Officer or his designee. In addition, the evaluation panel may include such outside public sector or academic community expertise as deemed desirable by the Executive Officer. The panel will make a recommendation to the Executive Officer and/or the Governing Board of SCAQMD for final selection of a contractor(s) and negotiation of a contract(s).

- B. Each member of the evaluation panel shall be accorded equal weight in his or her rating of the qualifications packages. The evaluation panel members shall evaluate the qualifications packages according to the specified criteria and numerical weightings set forth below.

1. Evaluation Criteria

(a) Technical Criteria	<u>Points</u>
Technical expertise, training, and education	30
Previous experience, including relevant positions held, number of years and actual work done in the selected area of expertise, evaluations conducted, papers published, etc.	40
(b) Labor Rates*	<u>30</u>
<i>*The labor rates will be evaluated based on the fully burdened labor rates for each proposed technical expert and the clerical/technical support. The labor rates will be compared to other Firms with qualifications in the same technical areas or with knowledge of similar work being done by other agencies, companies and/or consultants. The most competitive labor rates will be given the highest points"</i>	
TOTAL:	100
(c) <u>Additional Points</u>	
Small Business or Small Business Joint Venture	10
DVBE or DVBE Joint Venture	10
Use of DVBE or Small Business Subcontractors	7
Low Emission Vehicle Business	5
Local Business (Non-Federally Funded Projects Only)	5
Off-Peak Hours Delivery Business	2
Most Favored Customer	2

The cumulative points awarded for small business, DVBE, use of small business or DVBE subcontractors, low emission vehicle business, local business, and off-peak hours delivery business shall not exceed 15 points.

Self-Certification for Additional Points

The award of these additional points shall be contingent upon the Firm completing the Self-Certification section of Attachment B – Certifications and Representations and/or inclusion of a statement in the qualifications package self-certifying that the Firm qualifies for additional points as detailed above.

2. To receive additional points in the evaluation process for the categories of Small Business or Small Business Joint Venture, DVBE or DVBE Joint Venture or Local Business (for non-federally funded projects), the Firm must submit a self- certification or certification from the State of California Office of Small Business Certification and

Resources at the time of proposal submission certifying that the Firm meets the requirements set forth in Section III. To receive points for the use of DVBE and/or Small Business subcontractors, at least 25 percent of the total contract value must be subcontracted to DVBEs and/or Small Businesses. To receive points as a Low Emission Vehicle Business, the Firm must demonstrate to the Executive Officer, or designee, that supplies and materials delivered to SCAQMD are delivered in vehicles that operate on either clean fuels or if powered by diesel fuel, that the vehicles have particulate traps installed. To receive points as an Off-Peak Hours Delivery Business, the Firm must submit, at proposal submission, certification of its commitment to delivering supplies and materials to SCAQMD between the hours of 10:00 a.m. and 3:00 p.m. To receive points for Most Favored Customer status, the Firm must submit, at proposal submission, certification of its commitment to provide most favored customer status to the SCAQMD. The cumulative points awarded for small business, DVBE, use of Small Business or DVBE Subcontractors, Local Business, Low Emission Vehicle Business and Off-Peak Hour Delivery Business shall not exceed 15 points.

3. For procurement of Research and Development (R&D) projects or projects requiring technical or scientific expertise or special projects requiring unique knowledge and abilities, technical factors including past experience shall be weighted at 70 points and cost shall be weighted at 30 points. A proposal must receive at least 56 out of 70 points on R&D projects and projects requiring technical or scientific expertise or special projects requiring unique knowledge and abilities, in order to be deemed qualified for award.
4. The most competitive labor rates for each technical area will be awarded the maximum cost points available and all other qualifications packages will receive points on a prorated basis.
- C. During the selection process the evaluation panel may wish to interview some Firms for clarification purposes only. No new material will be permitted at this time. Additional information provided during the bid review process is limited to clarification by the Firm of information presented in his/her qualifications package, upon request by SCAQMD.
- D. The Executive Officer or Governing Board may award the contract to a Firm other than the Firm receiving the highest rating in the event the Governing Board determines that another Firm from among those technically qualified would provide the best value to SCAQMD considering cost and technical factors. The determination shall be based solely on the Evaluation Criteria contained in the Request for Qualifications (RFQ), on evidence provided in the qualifications package and on any other evidence provided during the review process.
- E. Selection will be made based on the above-described criteria and rating factors. The selection will be made by and is subject to Executive Officer or Governing Board approval. Firms may be notified of the results by letter.
- F. The Governing Board has approved a Bid Protest Procedure which provides a process for a Bidder or prospective Bidder to submit a written protest to SCAQMD Procurement Manager in recognition of two types of protests: Protest Regarding Solicitation and Protest Regarding Award of a Contract. Copies of the Bid Protest Policy can be secured through a request to SCAQMD Procurement Department.

- G. The Executive Officer or Governing Board may award contracts to more than one Firm if in (his or their) sole judgment the purposes of the (contract or award) would best be served by selecting multiple Firms.
- H. If additional funds become available, the Executive Officer or Governing Board may increase the amount awarded. The Executive Officer or Governing Board may also select additional Firms for a grant or contract if additional funds become available.
- I. Disposition of Qualifications Packages – Pursuant to SCAQMD's Procurement Policy and Procedure, SCAQMD reserves the right to reject any or all qualifications packages. All qualifications packages become the property of SCAQMD, and are subject to the California Public Records Act. One copy of the qualifications package shall be retained for SCAQMD files. Additional copies and materials will be returned only if requested and at the Firm's expense.

SECTION X: FUNDING

Due to the indefinite nature of the work, the actual contract amount and contract duration cannot be determined at this time. Multiple awards may result from this RFQ. Work will be awarded on an as needed basis. Firm will be reimbursed on a Time and Materials (T&M) basis for work performed against tasks.

SECTION XI: SAMPLE CONTRACT

A sample contract to carry out the work described in this RFQ is available on SCAQMD's website at <http://www.agmd.gov/grants-bids> or upon request from the RFQ Contact Person (Section II).

ATTACHMENT A

PARTICIPATION IN THE PROCUREMENT PROCESS

A. It is the policy of South Coast Air Quality Management District (SCAQMD) to ensure that all businesses including minority business enterprises, women business enterprises, disabled veteran business enterprises and small businesses have a fair and equitable opportunity to compete for and participate in SCAQMD contracts.

B. Definitions:

The definition of minority, women or disadvantaged business enterprises set forth below is included for purposes of determining compliance with the affirmative steps requirement described in Paragraph G below on procurements funded in whole or in part with federal grant funds which involve the use of subcontractors. The definition provided for disabled veteran business enterprise, local business, small business enterprise, low-emission vehicle business and off-peak hours delivery business are provided for purposes of determining eligibility for point or cost considerations in the evaluation process.

1. "Women business enterprise" (WBE) as used in this policy means a business enterprise that meets all of the following criteria:
 - a. a business that is at least 51 percent owned by one or more women, or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more women.
 - b. a business whose management and daily business operations are controlled by one or more women.
 - c. a business which is a sole proprietorship, corporation, or partnership with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign-based business.
2. "Disabled veteran" as used in this policy is a United States military, naval, or air service veteran with at least 10 percent service-connected disability who is a resident of California.
3. "Disabled veteran business enterprise" (DVBE) as used in this policy means a business enterprise that meets all of the following criteria:
 - a. is a sole proprietorship or partnership of which at least 51 percent is owned by one or more disabled veterans or, in the case of a publicly owned business, at least 51 percent of its stock is owned by one or more disabled veterans; a subsidiary which is wholly owned by a parent corporation but only if at least 51 percent of the voting stock of the parent corporation is owned by one or more disabled veterans; or a joint venture in which at least 51 percent of the joint venture's management and control and earnings are held by one or more disabled veterans.
 - b. the management and control of the daily business operations are by one or more disabled veterans. The disabled veterans who exercise management and control are not required to be the same disabled veterans as the owners of the business.

- c. is a sole proprietorship, corporation, or partnership with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, firm, or other foreign-based business.
4. "Local business" as used in this policy means a company that has an ongoing business within geographical boundaries of SCAQMD at the time of bid or qualifications package submittal and performs 90% of the work related to the contract within the geographical boundaries of SCAQMD and satisfies the requirements of subparagraph H below. Qualifications packages for legislative representation, such as in Sacramento, California or Washington D.C. are not eligible for local business incentive points.
5. "Small business" as used in this policy means a business that meets the following criteria:
- a. 1) an independently owned and operated business; 2) not dominant in its field of operation; 3) together with affiliates is either:
- A service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or
 - A manufacturer with 100 or fewer employees.
- b. Manufacturer means a business that is both of the following:
- 1) Primarily engaged in the chemical or mechanical transformation of raw materials or processed substances into new products.
- 2) Classified between Codes 311000 and 339000, inclusive, of the North American Industrial Classification System (NAICS) Manual published by the United States Office of Management and Budget, 2007 edition.
6. "Joint ventures" as defined in this policy pertaining to certification means that one party to the joint venture is a DVBE or small business and owns at least 51 percent of the joint venture.
7. "Low-Emission Vehicle Business" as used in this policy means a company or contractor that uses low-emission vehicles in conducting deliveries to SCAQMD. Low-emission vehicles include vehicles powered by electric, compressed natural gas (CNG), liquefied natural gas (LNG), liquefied petroleum gas (LPG), ethanol, methanol, hydrogen and diesel retrofitted with particulate matter (PM) traps.
8. "Off-Peak Hours Delivery Business" as used in this policy means a company or contractor that commits to conducting deliveries to SCAQMD during off-peak traffic hours defined as between 10:00 a.m. and 3:00 p.m.
9. "Benefits Incentive Business" as used in this policy means a company or contractor that provides janitorial, security guard or landscaping services to SCAQMD and

commits to providing employee health benefits (as defined below in Section VIII.D.2.d) for full time workers with affordable deductible and co-payment terms.

10. "Minority Business Enterprise" as used in this policy means a business that is at least 51 percent owned by one or more minority person(s), or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more or minority persons.

- a. a business whose management and daily business operations are controlled by one or more minority persons.
- b. a business which is a sole proprietorship, corporation, or partnership with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign-based business.
- c. "Minority person" for purposes of this policy, means a Black American, Hispanic American, Native-American (including American Indian, Eskimo, Aleut, and Native Hawaiian), Asian-Indian (including a person whose origins are from India, Pakistan, and Bangladesh), Asian-Pacific-American (including a person whose origins are from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the United States Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, and Taiwan).

11. "Most Favored Customer" as used in this policy means that the SCAQMD will receive at least as favorable pricing, warranties, conditions, benefits and terms as other customers or clients making similar purchases or receiving similar services.

12. "Disadvantaged Business Enterprise" as used in this policy means a business that is an entity owned and/or controlled by a socially and economically disadvantaged individual(s) as described by Title X of the Clean Air Act Amendments of 1990 (42 U.S.C. 7601 note) (10% statute), and Public Law 102-389 (42 U.S.C. 4370d)(8% statute), respectively;

a Small Business Enterprise (SBE);

a Small Business in a Rural Area (SBRA);

a Labor Surplus Area Firm (LSAF); or

a Historically Underutilized Business (HUB) Zone Small Business Concern, or a concern under a successor program.

C. Under Request for Quotations (RFQ), DVBEs, DVBE business joint ventures, small businesses, and small business joint ventures shall be granted a preference in an amount equal to 5% of the lowest cost responsive bid. Low-Emission Vehicle Businesses shall be granted a preference in an amount equal to 5 percent of the lowest cost responsive bid. Off-Peak Hours Delivery Businesses shall be granted a preference in an amount equal to 2 percent of the lowest cost responsive bid. Local businesses (if the procurement is not funded in whole or in part by federal grant funds) shall be granted a preference in an amount equal to 2% of the lowest cost responsive bid. Businesses offering Most Favored Customer status shall be granted a preference in an amount equal to 2 percent of the lowest cost responsive bid.

- D. Under Request for Qualifications, DVBEs, DVBE joint ventures, small businesses, and small business joint ventures shall be awarded ten (10) points in the evaluation process. A non-DVBE or large business shall receive seven (7) points for subcontracting at least twenty-five (25%) of the total contract value to a DVBE and/or small business. Low-Emission Vehicle Businesses shall be awarded five (5) points in the evaluation process. On procurements which are not funded in whole or in part by federal grant funds local businesses shall receive five (5) points. Off-Peak Hours Delivery Businesses shall be awarded two (2) points in the evaluation process. Businesses offering Most Favored Customer status shall be awarded two (2) points in the evaluation process.
- E. SCAQMD will ensure that discrimination in the award and performance of contracts does not occur on the basis of race, color, sex, national origin, marital status, sexual preference, creed, ancestry, medical condition, or retaliation for having filed a discrimination complaint in the performance of SCAQMD contractual obligations.
- F. SCAQMD requires Contractor to be in compliance with all state and federal laws and regulations with respect to its employees throughout the term of any awarded contract, including state minimum wage laws and OSHA requirements.
- G. When contracts are funded in whole or in part by federal funds, and if subcontracts are to be let, the Contractor must comply with the following, evidencing a good faith effort to solicit disadvantaged businesses. Contractor shall submit a certification signed by an authorized official affirming its status as a MBE or WBE, as applicable, at the time of contract execution. SCAQMD reserves the right to request documentation demonstrating compliance with the following good faith efforts prior to contract execution.
1. Ensure Disadvantaged Business Enterprises (DBEs) are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For Indian Tribal, State and Local Government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
 2. Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitations for bids or qualifications packages for a minimum of 30 calendar days before the bid or proposal closing date.
 3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs. For Indian Tribal, State and Local Government recipients, this will include dividing total requirements when economically feasible into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.
 4. Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.
 5. Using the services and assistance of the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.
 6. If the prime contractor awards subcontracts, require the prime contractor to take the above steps.

- H. To the extent that any conflict exists between this policy and any requirements imposed by federal and state law relating to participation in a contract by a certified MBE/WBE/DVBE as a condition of receipt of federal or state funds, the federal or state requirements shall prevail.
- I. When contracts are not funded in whole or in part by federal grant funds, a local business preference will be awarded. For such contracts that involve the purchase of commercial off-the-shelf products, local business preference will be given to suppliers or distributors of commercial off-the-shelf products who maintain an ongoing business within the geographical boundaries of SCAQMD. However, if the subject matter of the RFQ calls for the fabrication or manufacture of custom products, only companies performing 90% of the manufacturing or fabrication effort within the geographical boundaries of SCAQMD shall be entitled to the local business preference. Proposals for legislative representation, such as in Sacramento, California or Washington D.C. are not eligible for local business incentive points.
- J. In compliance with federal fair share requirements set forth in 40 CFR Part 33, SCAQMD shall establish a fair share goal annually for expenditures with federal funds covered by its procurement policy.

ATTACHMENT B



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

Business Information Request

Dear SCAQMD Contractor/Supplier:

South Coast Air Quality Management District (SCAQMD) is committed to ensuring that our contractor/supplier records are current and accurate. If your firm is selected for award of a purchase order or contract, it is imperative that the information requested herein be supplied in a timely manner to facilitate payment of invoices. In order to process your payments, we need the enclosed information regarding your account. **Please review and complete the information identified on the following pages, remember to sign all documents for our files, and return them as soon as possible to the address below:**

**Attention: Accounts Payable, Accounting Department
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178**

If you do not return this information, we will not be able to establish you as a vendor. This will delay any payments and would still necessitate your submittal of the enclosed information to our Accounting department before payment could be initiated. Completion of this document and enclosed forms would ensure that your payments are processed timely and accurately.

If you have any questions or need assistance in completing this information, please contact Accounting at (909) 396-3777. We appreciate your cooperation in completing this necessary information.

Sincerely,

Sujata Jain
Assistant Deputy Executive Officer/
Finance

DH:tm

Enclosures: Business Information Request
 Disadvantaged Business Certification
 W-9
 Form 590 Withholding Exemption Certificate
 Federal Contract Debarment Certification
 Campaign Contributions Disclosure
 Direct Deposit Authorization



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

BUSINESS INFORMATION REQUEST

Business Name	
Division of	
Subsidiary of	
Website Address	
Type of Business <i>Check One:</i>	<input type="checkbox"/> Individual <input type="checkbox"/> DBA, Name _____, County Filed in _____ <input type="checkbox"/> Corporation, ID No. _____ <input type="checkbox"/> LLC/LLP, ID No. _____ <input type="checkbox"/> Other _____

REMITTING ADDRESS INFORMATION

Address			
City/Town			
State/Province		Zip	
Phone	() - Ext	Fax	() -
Contact		Title	
E-mail Address			
Payment Name if Different			

All invoices must reference the corresponding Purchase Order Number(s)/Contract Number(s) if applicable and mailed to:

Attention: Accounts Payable, Accounting Department
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178

BUSINESS STATUS CERTIFICATIONS

Federal guidance for utilization of disadvantaged business enterprises allows a vendor to be deemed a small business enterprise (SBE), minority business enterprise (MBE) or women business enterprise (WBE) if it meets the criteria below.

- is certified by the Small Business Administration or
- is certified by a state or federal agency or
- is an independent MBE(s) or WBE(s) business concern which is at least 51 percent owned and controlled by minority group member(s) who are citizens of the United States.

Statements of certification:

As a prime contractor to SCAQMD, (name of business) will engage in good faith efforts to achieve the fair share in accordance with 40 CFR Section 33.301, and will follow the six affirmative steps listed below **for contracts or purchase orders funded in whole or in part by federal grants and contracts.**

1. Place qualified SBEs, MBEs, and WBEs on solicitation lists.
2. Assure that SBEs, MBEs, and WBEs are solicited whenever possible.
3. When economically feasible, divide total requirements into small tasks or quantities to permit greater participation by SBEs, MBEs, and WBEs.
4. Establish delivery schedules, if possible, to encourage participation by SBEs, MBEs, and WBEs.
5. Use services of Small Business Administration, Minority Business Development Agency of the Department of Commerce, and/or any agency authorized as a clearinghouse for SBEs, MBEs, and WBEs.
6. If subcontracts are to be let, take the above affirmative steps.

Self-Certification Verification: Also for use in awarding additional points, as applicable, in accordance with SCAQMD Procurement Policy and Procedure:

Check all that apply:

- | | |
|---|--|
| <input type="checkbox"/> Small Business Enterprise/Small Business Joint Venture | <input type="checkbox"/> Women-owned Business Enterprise |
| <input type="checkbox"/> Local business | <input type="checkbox"/> Disabled Veteran-owned Business Enterprise/DVBE Joint Venture |
| <input type="checkbox"/> Minority-owned Business Enterprise | <input type="checkbox"/> Most Favored Customer Pricing Certification |

Percent of ownership: _____ %

Name of Qualifying Owner(s): _____

State of California Public Works Contractor Registration No. _____ MUST BE INCLUDED IF BID PROPOSAL IS FOR PUBLIC WORKS PROJECT.

I, the undersigned, hereby declare that to the best of my knowledge the above information is accurate. Upon penalty of perjury, I certify information submitted is factual.

NAME

TITLE

TELEPHONE NUMBER

DATE

Definitions

Disabled Veteran-Owned Business Enterprise means a business that meets all of the following criteria:

- is a sole proprietorship or partnership of which is at least 51 percent owned by one or more disabled veterans, or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more disabled veterans; a subsidiary which is wholly owned by a parent corporation but only if at least 51 percent of the voting stock of the parent corporation is owned by one or more disabled veterans; or a joint venture in which at least 51 percent of the joint venture's management and control and earnings are held by one or more disabled veterans.
- the management and control of the daily business operations are by one or more disabled veterans. The disabled veterans who exercise management and control are not required to be the same disabled veterans as the owners of the business.
- is a sole proprietorship, corporation, partnership, or joint venture with its primary headquarters office located in the United States and which is not a branch or subsidiary of a foreign corporation, firm, or other foreign-based business.

Joint Venture means that one party to the joint venture is a DVBE and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that DVBE will receive at least 51 percent of the project dollars.

Local Business means a business that meets all of the following criteria:

- has an ongoing business within the boundary of SCAQMD at the time of bid application.
- performs 90 percent of the work within SCAQMD's jurisdiction.

Minority-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more minority persons or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more minority persons.
- is a business whose management and daily business operations are controlled or owned by one or more minority person.
- is a business which is a sole proprietorship, corporation, partnership, joint venture, an association, or a cooperative with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

“Minority” person means a Black American, Hispanic American, Native American (including American Indian, Eskimo, Aleut, and Native Hawaiian), Asian-Indian American (including a person whose origins are from India, Pakistan, or Bangladesh), Asian-Pacific American (including a person whose origins are from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the United States Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, or Taiwan).

Small Business Enterprise means a business that meets the following criteria:

- a. 1) an independently owned and operated business; 2) not dominant in its field of operation; 3) together with affiliates is either:
 - **A service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or**
 - A manufacturer with 100 or fewer employees.
- b. Manufacturer means a business that is both of the following:
 - 1) Primarily engaged in the chemical or mechanical transformation of raw materials or processed substances into new products.
 - 2) Classified between Codes 311000 to 339000, inclusive, of the North American Industrial Classification System (NAICS) Manual published by the United States Office of Management and Budget, 2007 edition.

Small Business Joint Venture means that one party to the joint venture is a Small Business and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that the Small Business will receive at least 51 percent of the project dollars.

Women-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more women or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more women.
- is a business whose management and daily business operations are controlled or owned by one or more women.
- is a business which is a sole proprietorship, corporation, partnership, or a joint venture, with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

Most Favored Customer as used in this policy means that the SCAQMD will receive at least as favorable pricing, warranties, conditions, benefits and terms as other customers or clients making similar purchases or receiving similar services.

Request for Taxpayer Identification Number and Certification

**Give Form to the
requester. Do not
send to the IRS.**

Print or type See Specific Instructions on page 2.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶ _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
	5 Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
	6 City, state, and ZIP code	
7 List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)																																																																							
Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i> on page 3.																																																																							
Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="10" style="text-align: center; padding: 2px;">Social security number</td> </tr> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="5" style="text-align: center;">-</td> <td colspan="5" style="text-align: center;">-</td> </tr> <tr> <td colspan="10" style="text-align: center; padding: 2px;">or</td> </tr> <tr> <td colspan="10" style="text-align: center; padding: 2px;">Employer identification number</td> </tr> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="5" style="text-align: center;">-</td> <td colspan="5" style="text-align: center;"></td> </tr> </table>	Social security number																				-					-					or										Employer identification number																				-									
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Part II Certification			
Under penalties of perjury, I certify that:			
1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and 2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and 3. I am a U.S. citizen or other U.S. person (defined below); and 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.			
Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.			
Sign Here	<table style="width: 100%;"> <tr> <td style="width: 60%;">Signature of U.S. person ▶</td> <td style="width: 40%;">Date ▶</td> </tr> </table>	Signature of U.S. person ▶	Date ▶
Signature of U.S. person ▶	Date ▶		

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

Note. If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States:

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 28% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),

3. The IRS tells the requester that you furnished an incorrect TIN,

4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or

5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code* on page 3 and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships* above.

What is FATCA reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code* on page 3 and the Instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account, list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note. ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C Corporation, or S Corporation.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(iii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

Line 3

Check the appropriate box in line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box in line 3.

Limited Liability Company (LLC). If the name on line 1 is an LLC treated as a partnership for U.S. federal tax purposes, check the "Limited Liability Company" box and enter "P" in the space provided. If the LLC has filed Form 8832 or 2553 to be taxed as a corporation, check the "Limited Liability Company" box and in the space provided enter "C" for C corporation or "S" for S corporation. If it is a single-member LLC that is a disregarded entity, do not check the "Limited Liability Company" box; instead check the first box in line 3 "Individual/sole proprietor or single-member LLC."

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space in line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2—The United States or any of its agencies or instrumentalities
- 3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5—A corporation
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission
- 8—A real estate investment trust
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10—A common trust fund operated by a bank under section 584(a)
- 11—A financial institution
- 12—A middleman known in the investment community as a nominee or custodian
- 13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 5 ²
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note. You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on this page), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at www.ssa.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/businesses and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting IRS.gov or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 4, or 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code* earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor ²
4. a. The usual revocable savings trust (grantor is also trustee) b. So-called trust account that is not a legal or valid trust under state law	The grantor-trustee ¹
5. Sole proprietorship or disregarded entity owned by an individual	The actual owner ¹
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The owner ²
	The grantor ²
For this type of account:	Give name and EIN of:
7. Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity ¹
9. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
10. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 2.

***Note.** Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, *Identity Theft Prevention and Victim Assistance*.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-368-4484. You can forward suspicious emails to the Federal Trade Commission at: spam@uce.gov or contact them at www.ftc.gov/idtheft or 1-877-IDTHEFT (1-877-438-4338).

Visit IRS.gov to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

2017 Withholding Exemption Certificate**590**

The payee completes this form and submits it to the withholding agent. The withholding agent keeps this form with their records.

Withholding Agent Information

Name _____

Payee Information

Name _____

☐ SSN or ITIN ☐ FEIN ☐ CA Corp no. ☐ CA SOS file no.

Address (apt./sta., room, PO box, or PMS no.) _____

City (if you have a foreign address, see instructions.) _____

State _____

ZIP code _____

Exemption Reason**Check only one box.**

By checking the appropriate box below, the payee certifies the reason for the exemption from the California income tax withholding requirements on payment(s) made to the entity or individual.

☐ **Individuals — Certification of Residency:**

I am a resident of California and I reside at the address shown above. If I become a nonresident at any time, I will promptly notify the withholding agent. See instructions for General Information D, Definitions.

☐ **Corporations:**

The corporation has a permanent place of business in California at the address shown above or is qualified through the California Secretary of State (SOS) to do business in California. The corporation will file a California tax return. If this corporation ceases to have a permanent place of business in California or ceases to do any of the above, I will promptly notify the withholding agent. See instructions for General Information D, Definitions.

☐ **Partnerships or Limited Liability Companies (LLCs):**

The partnership or LLC has a permanent place of business in California at the address shown above or is registered with the California SOS, and is subject to the laws of California. The partnership or LLC will file a California tax return. If the partnership or LLC ceases to do any of the above, I will promptly inform the withholding agent. For withholding purposes, a limited liability partnership (LLP) is treated like any other partnership.

☐ **Tax-Exempt Entities:**

The entity is exempt from tax under California Revenue and Taxation Code (R&TC) Section 23701 _____ (insert letter) or Internal Revenue Code Section 501(c) _____ (insert number). If this entity ceases to be exempt from tax, I will promptly notify the withholding agent. Individuals cannot be tax-exempt entities.

☐ **Insurance Companies, Individual Retirement Arrangements (IRAs), or Qualified Pension/Profit-Sharing Plans:**

The entity is an insurance company, IRA, or a federally qualified pension or profit-sharing plan.

☐ **California Trusts:**

At least one trustee and one noncontingent beneficiary of the above-named trust is a California resident. The trust will file a California fiduciary tax return. If the trustee or noncontingent beneficiary becomes a nonresident at any time, I will promptly notify the withholding agent.

☐ **Estates — Certification of Residency of Deceased Person:**

I am the executor of the above-named person's estate or trust. The decedent was a California resident at the time of death. The estate will file a California fiduciary tax return.

☐ **Nonmilitary Spouse of a Military Servicemember:**

I am a nonmilitary spouse of a military servicemember and I meet the Military Spouse Residency Relief Act (MSRRA) requirements. See instructions for General Information E, MSRRA.

CERTIFICATE OF PAYEE: Payee must complete and sign below.

To learn about your privacy rights, how we may use your information, and the consequences for not providing the requested information, go to ftb.ca.gov and search for **privacy notice**. To request this notice by mail, call 800.852.5711.

Under penalties of perjury, I declare that I have examined the information on this form, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. I further declare under penalties of perjury that if the facts upon which this form are based change, I will promptly notify the withholding agent.

Type or print payee's name and title _____

Telephone (____) _____

Payee's signature ► _____

Date _____

2017 Instructions for Form 590

Withholding Exemption Certificate

References in these instructions are to the California Revenue and Taxation Code (R&TC).

General Information

Registered Domestic Partners (RDP) – For purposes of California income tax, references to a spouse, husband, or wife also refer to a Registered Domestic Partner (RDP) unless otherwise specified. For more information on RDPs, get FTB Pub. 737, Tax Information for Registered Domestic Partners.

A Purpose

Use Form 590, Withholding Exemption Certificate, to certify an exemption from nonresident withholding.

Form 590 does not apply to payments of backup withholding. For more information, go to ftb.ca.gov and search for **backup withholding**.

Form 590 does not apply to payments for wages to employees. Wage withholding is administered by the California Employment Development Department (EDD). For more information, go to edd.ca.gov or call 888.745.3886.

Do not use Form 590 to certify an exemption from withholding if you are a **Seller of California real estate**. Sellers of California real estate use Form 593-C, Real Estate Withholding Certificate, to claim an exemption from the real estate withholding requirement.

The following are excluded from withholding and completing this form:

- The United States and any of its agencies or instrumentalities.
- A state, a possession of the United States, the District of Columbia, or any of its political subdivisions or instrumentalities.
- A foreign government or any of its political subdivisions, agencies, or instrumentalities.

B Income Subject to Withholding

California Revenue and Taxation Code (R&TC) Section 18662 requires withholding of income or franchise tax on payments of California source income made to nonresidents of California.

Withholding is required on the following, but is not limited to:

- Payments to nonresidents for services rendered in California.
- Distributions of California source income made to domestic nonresident partners, members, and S corporation shareholders and allocations of California source income made to foreign partners and members.
- Payments to nonresidents for rents if the payments are made in the course of the withholding agent's business.
- Payments to nonresidents for royalties from activities sourced to California.

- Distributions of California source income to nonresident beneficiaries from an estate or trust.
- Endorsement payments received for services performed in California.
- Prizes and winnings received by nonresidents for contests in California.

However, withholding is optional if the total payments of California source income are \$1,500 or less during the calendar year.

For more information on withholding get FTB Pub. 1017, Resident and Nonresident Withholding Guidelines. To get a withholding publication, see Additional Information.

C Who Certifies this Form

Form 590 is certified by the payee. California residents or entities exempt from the withholding requirement should complete Form 590 and submit it to the withholding agent before payment is made. The withholding agent is then relieved of the withholding requirements if the agent relies in good faith on a completed and signed Form 590 unless notified by the Franchise Tax Board (FTB) that the form should not be relied upon.

An incomplete certificate is invalid and the withholding agent should not accept it. If the withholding agent receives an incomplete certificate, the withholding agent is required to withhold tax on payments made to the payee until a valid certificate is received. In lieu of a completed exemption certificate, the withholding agent may accept a letter from the payee as a substitute explaining why they are not subject to withholding. The letter must contain all the information required on the certificate in similar language, including the under penalty of perjury statement and the payee's taxpayer identification number (TIN). The withholding agent must retain a copy of the certificate or substitute for at least five years after the last payment to which the certificate applies, and provide it upon request to the FTB.

If an entertainer (or the entertainer's business entity) is paid for a performance, the entertainer's information must be provided. **Do not** submit the entertainer's agent or promoter information.

The grantor of a grantor trust shall be treated as the payee for withholding purposes. Therefore, if the payee is a grantor trust and one or more of the grantors is a nonresident, withholding is required. If all of the grantors on the trust are residents, no withholding is required. Resident grantors can check the box on Form 590 labeled "Individuals — Certification of Residency."

D Definitions

For California nonwage withholding purposes, **nonresident** includes all of the following:

- Individuals who are not residents of California.
- Corporations not qualified through the California Secretary of State (CA SOS) to do business in California or having no permanent place of business in California.
- Partnerships or limited liability companies (LLCs) with no permanent place of business in California.
- Any trust without a resident grantor, beneficiary, or trustee, or estates where the decedent was not a California resident.

Foreign refers to non-U.S.

For more information about determining resident status, get FTB Pub. 1031, Guidelines for Determining Resident Status. Military servicemembers have special rules for residency. For more information, get FTB Pub. 1032, Tax Information for Military Personnel.

Permanent Place of Business:

A corporation has a permanent place of business in California if it is organized and existing under the laws of California or it has qualified through the CA SOS to transact intrastate business. A corporation that has not qualified to transact intrastate business (e.g., a corporation engaged exclusively in interstate commerce) will be considered as having a permanent place of business in California only if it maintains a permanent office in California that is permanently staffed by its employees.

E Military Spouse Residency Relief Act (MSRRA)

Generally, for tax purposes you are considered to maintain your existing residence or domicile. If a military servicemember and nonmilitary spouse have the same state of domicile, the MSRRA provides:

- A spouse shall not be deemed to have lost a residence or domicile in any state solely by reason of being absent to be with the servicemember serving in compliance with military orders.
- A spouse shall not be deemed to have acquired a residence or domicile in any other state solely by reason of being there to be with the servicemember serving in compliance with military orders.

Domicile is defined as the one place:

- Where you maintain a true, fixed, and permanent home.
- To which you intend to return whenever you are absent.

A military servicemember's nonmilitary spouse is considered a nonresident for tax purposes if the servicemember and spouse have the same domicile outside of California and the spouse is in California solely to be with the servicemember who is serving in compliance with Permanent Change of Station orders.

California may require nonmilitary spouses of military servicemembers to provide proof that they meet the criteria for California personal income tax exemption as set forth in the MSRRA.

Income of a military servicemember's nonmilitary spouse for services performed in California is not California source income subject to state tax if the spouse is in California to be with the servicemember serving in compliance with military orders, and the servicemember and spouse have the same domicile in a state other than California.

For additional information or assistance in determining whether the applicant meets the MSRRA requirements, get FTB Pub. 1032.

Specific Instructions

Payee Instructions

Enter the withholding agent's name.

Enter the payee's information, including the TIN and check the appropriate TIN box.

You must provide a valid TIN as requested on this form. The following are acceptable TINs: social security number (SSN); individual taxpayer identification number (ITIN); federal employer identification number (FEIN); California corporation number (CA Corp no.); or CA SOS file number.

Private Mail Box (PMB) – Include the PMB in the address field. Write "PMB" first, then the box number. Example: 111 Main Street PMB 123.

Foreign Address – Follow the country's practice for entering the city, county, province, state, country, and postal code, as applicable, in the appropriate boxes. Do not abbreviate the country name.

Exemption Reason – Check the box that reflects the reason why the payee is exempt from the California income tax withholding requirement.

Withholding Agent Instructions

Do not send this form to the FTB. The withholding agent retains this form for a minimum of five years or until the payee's status changes, and must provide this form to the FTB upon request.

The payee must notify the withholding agent if any of the following situations occur:

- The individual payee becomes a nonresident.
- The corporation ceases to have a permanent place of business in California or ceases to be qualified to do business in California.

- The partnership ceases to have a permanent place of business in California.
- The LLC ceases to have a permanent place of business in California.
- The tax-exempt entity loses its tax-exempt status.

If any of these situations occur, then withholding may be required. For more information, get Form 592, Resident and Nonresident Withholding Statement, Form 592-B, Resident and Nonresident Withholding Tax Statement, and Form 592-V, Payment Voucher for Resident and Nonresident Withholding.

Additional Information

Website: For more information go to ftb.ca.gov and search for **nonwage**.
MyFTB offers secure online tax account information and services. For more information and to register, go to ftb.ca.gov and search for **myftb**.

Telephone: 888.792.4900 or 916.845.4900, Withholding Services and Compliance phone service

Fax: 916.845.9512

Mail: WITHHOLDING SERVICES AND COMPLIANCE MS F182
FRANCHISE TAX BOARD
PO BOX 942867
SACRAMENTO CA 94267-0651

For questions unrelated to withholding, or to download, view, and print California tax forms and publications, or to access the TTY/TDD numbers, see the information below.

Internet and Telephone Assistance

Website: ftb.ca.gov

Telephone: 800.852.5711 from within the United States
916.845.6500 from outside the United States

TTY/TDD: 800.822.6268 for persons with hearing or speech impairments

Asistencia Por Internet y Teléfono

Sitio web: ftb.ca.gov

Teléfono: 800.852.5711 dentro de los Estados Unidos
916.845.6500 fuera de los Estados Unidos

TTY/TDD: 800.822.6268 para personas con discapacidades auditivas o de habla

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and the principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them or commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction: violation of Federal or State antitrust statute or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

Typed Name & Title of Authorized Representative

Signature of Authorized Representative Date

☐ I am unable to certify to the above statements. My explanation is attached.



CAMPAIGN CONTRIBUTIONS DISCLOSURE

In accordance with California law, bidders and contracting parties are required to disclose, at the time the application is filed, information relating to any campaign contributions made to South Coast Air Quality Management District (SCAQMD) Board Members or members/alternates of the MSRC, including: the name of the party making the contribution (which includes any parent, subsidiary or otherwise related business entity, as defined below), the amount of the contribution, and the date the contribution was made. 2 C.C.R. §18438.8(b).

California law prohibits a party, or an agent, from making campaign contributions to SCAQMD Governing Board Members or members/alternates of the Mobile Source Air Pollution Reduction Review Committee (MSRC) of more than \$250 while their contract or permit is pending before SCAQMD; and further prohibits a campaign contribution from being made for three (3) months following the date of the final decision by the Governing Board or the MSRC on a donor's contract or permit. Gov't Code §84308(d). For purposes of reaching the \$250 limit, the campaign contributions of the bidder or contractor plus contributions by its parents, affiliates, and related companies of the contractor or bidder are added together. 2 C.C.R. §18438.5.

In addition, SCAQMD Board Members or members/alternates of the MSRC must abstain from voting on a contract or permit if they have received a campaign contribution from a party or participant to the proceeding, or agent, totaling more than \$250 in the 12-month period prior to the consideration of the item by the Governing Board or the MSRC. Gov't Code §84308(c).

The list of current SCAQMD Governing Board Members can be found at SCAQMD website (www.aqmd.gov). The list of current MSRC members/alternates can be found at the MSRC website (<http://www.cleantransportationfunding.org>).

SECTION I.

Contractor (Legal Name): _____

DBA, Name _____, County Filed in _____
Corporation, ID No. _____
LLC/LLP, ID No. _____

List any parent, subsidiaries, or otherwise affiliated business entities of Contractor:
(See definition below).

SECTION II.

Has Contractor and/or any parent, subsidiary, or affiliated company, or agent thereof, made a campaign contribution(s) totaling \$250 or more in the aggregate to a current member of the South Coast Air Quality Management Governing Board or member/alternate of the MSRC in the 12

months preceding the date of execution of this disclosure?

☐ Yes ☐ No **If YES, complete Section II below and then sign and date the form.
If NO, sign and date below. Include this form with your submittal.**

Campaign Contributions Disclosure, *continued*:

Name of Contributor _____

_____	_____	_____
Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution

Name of Contributor _____

_____	_____	_____
Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution

Name of Contributor _____

_____	_____	_____
Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution

Name of Contributor _____

_____	_____	_____
Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution

I declare the foregoing disclosures to be true and correct.

By: _____

Title: _____

Date: _____

DEFINITIONS

Parent, Subsidiary, or Otherwise Related Business Entity (2 Cal. Code of Regs., §18703.1(d).)

- (1) Parent subsidiary. A parent subsidiary relationship exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation.
- (2) Otherwise related business entity. Business entities, including corporations, partnerships, joint ventures and any other organizations and enterprises operated for profit, which do not have a parent subsidiary relationship are otherwise related if any one of the following three tests is met:
 - (A) One business entity has a controlling ownership interest in the other business entity.
 - (B) There is shared management and control between the entities. In determining whether there is shared management and control, consideration should be given to the following factors:
 - (i) The same person or substantially the same person owns and manages the two entities;
 - (ii) There are common or commingled funds or assets;
 - (iii) The business entities share the use of the same offices or employees, or otherwise share activities, resources or personnel on a regular basis;
 - (iv) There is otherwise a regular and close working relationship between the entities; or
 - (C) A controlling owner (50% or greater interest as a shareholder or as a general partner) in one entity also is a controlling owner in the other entity.



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

STEP 1: Please check all the appropriate boxes

- | | |
|--|--|
| <input type="checkbox"/> Individual (Employee, Governing Board Member) | <input type="checkbox"/> New Request |
| <input type="checkbox"/> Vendor/Contractor | <input type="checkbox"/> Cancel Direct Deposit |
| <input type="checkbox"/> Changed Information | |

STEP 2: Payee Information

Last Name	First Name	Middle Initial	Title
Vendor/Contractor Business Name (if applicable)			
Address		Apartment or P.O. Box Number	
City	State	Zip	Country
Taxpayer ID Number	Telephone Number	Email Address	

Authorization

1. I authorize South Coast Air Quality Management District (SCAQMD) to direct deposit funds to my account in the financial institution as indicated below. I understand that the authorization may be rejected or discontinued by SCAQMD at any time. If any of the above information changes, I will promptly complete a new authorization agreement. If the direct deposit is not stopped before closing an account, funds payable to me will be returned to SCAQMD for distribution. This will delay my payment.
2. This authorization remains in effect until SCAQMD receives written notification of changes or cancellation from you.
3. I hereby release and hold harmless SCAQMD for any claims or liability to pay for any losses or costs related to insufficient fund transactions that result from failure within the Automated Clearing House network to correctly and timely deposit monies into my account.

STEP 3:

You must verify that your bank is a member of an Automated Clearing House (ACH). Failure to do so could delay the processing of your payment. You must attach a voided check or have your bank complete the bank information and the account holder must sign below.

To be Completed by your Bank

Staple Voided Check Here	Name of Bank/Institution		
	Account Holder Name(s)		
	<input type="checkbox"/> Saving <input type="checkbox"/> Checking	Account Number	Routing Number
	Bank Representative Printed Name	Bank Representative Signature	Date
	ACCOUNT HOLDER SIGNATURE:		Date

For SCAQMD Use Only

Input By _____

Date _____

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 8

PROPOSAL: Authorize Funding, Recognize Anticipated Revenue and Conduct Air Quality Conferences for Seniors

SYNOPSIS: SCAQMD seeks to continually foster awareness and an increased understanding of air quality and related health issues across all age groups. Seniors represent a unique target audience and SCAQMD strives to empower seniors to become active participants in improving air quality as well as provide information on what they can do in their home, neighborhood and community. This action is to authorize funding for conference expenditures up to \$225,000 from the BP ARCO Settlement Projects Fund (46), recognize anticipated revenue, and conduct two air quality conferences for seniors.

COMMITTEE: Administrative, January 12, 2018; Recommended for Approval

RECOMMENDED ACTIONS:

1. Authorize the Executive Officer to approve expenditures from the BP ARCO Settlement Projects Fund (46) up to \$225,000, to conduct two air quality conferences for seniors in 2018; and,
2. Recognize revenue, upon receipt, from sponsors and exhibitors into the BP ARCO Settlement Projects Fund (46) to partially offset expenditures from conducting the conferences for seniors.

Wayne Nastri
Executive Officer

DA:LTO:

Background

Over the last several years the SCAQMD has hosted or co-hosted several conferences that reached out to business and environmental leaders, government policy makers, elected officials, technology companies, procurement and fleet managers, venture capital investors, high schools, colleges and universities and the general public. In 2011 and 2012, the SCAQMD held a series of highly successful air quality conferences throughout the Basin to reach the senior population (55+) who are often influential when sharing information regarding air quality issues among their peers, neighborhood and community.

Proposal

Staff proposes to host two air quality conferences for seniors in 2018. The 2011 and 2012 events in Los Angeles were very successful with nearly 50 exhibitors and 3,000 attendees at each conference. Senior conferences in 2018 will continue efforts to foster awareness and an increased understanding of air quality and related health issues and to empower seniors to become active participants in improving air quality as well as provide information on what they can do in their home, neighborhood and community.

Outreach will be conducted throughout the region targeting senior centers, religious institutions and other appropriate venues to reach this demographic. The program will include speakers addressing air quality, health, air quality videos, and a keynote speaker during lunch. Sponsor and tabletop exhibits will be on display and, if venue space permits, alternative fuel vehicles will be displayed.

Transportation will be made available to bus seniors from centralized locations such as senior centers and religious institutions, to the conference venue and back. The transportation costs will be covered under the conference budget and should greatly enhance participation.

This action is to authorize the Executive Officer to approve expenditures up to \$225,000 from BP ARCO Settlement Projects Fund (46) to conduct two air quality conferences for seniors in 2018 and recognize revenue anticipated from sponsors and exhibitors into the BP ARCO Settlement Projects Fund (46) to partially offset the expenditures for conducting the senior conferences.

Benefits to SCAQMD

The senior population (55+) is a demographic that has great potential to influence healthy lifestyle changes not only for themselves but their extended family members and friends. Conducting events for seniors would enhance public education goals for SCAQMD communities and residents.

Resource Impacts

There are sufficient funds available in the BP ARCO Settlement Projects Fund (46) to cover the proposed expenditures. The BP ARCO Settlement Projects Fund (46) as of December 2017 has a balance of \$12,382,388 excluding any Board actions that have not been encumbered.

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 9

PROPOSAL: Establish List of Prequalified Vendors to Provide Computer, Network, Printer, Hardware and Software, and Audio Visual Equipment

SYNOPSIS: On November 3, 2017, the Board approved the release of a Request for Qualifications and Quotations (RFQQ) to prequalify vendors for computer, network, printer, hardware and software, and audio visual equipment. As a result of successful responses to this RFQQ, twelve vendors were identified as capable of providing these products. This action is to approve these twelve vendors to provide these products for a two-year period. Funds (\$195,000) for these purchases are included in the FY 2017-18 Budget.

COMMITTEE: Administrative, January 12, 2018; Recommended for Approval

RECOMMENDED ACTION:

Approve list of prequalified vendors in the Attachment for a two-year period to provide computer, network, printer, hardware and software, and audio visual equipment.

Wayne Natri
Executive Officer

RM:MH:cj

Background

On November 3, 2017, the Board released a Request for Qualifications and Quotations (RFQQ) #QQ2018-09 for computer, network, printer, hardware and software, and audio visual equipment. The purpose of this RFQQ is to invite eligible vendors to submit quotations for eight categories, consisting of: 1) computer systems, 2) computer parts, 3) computer software, 4) printers, 5) printer parts/accessories, 6) network equipment, 7) desktop computer hardware upgrade systems, and 8) audio visual equipment. Vendors may bid on any, or all, of the categories. The selected vendors resulting from this RFQQ will be used to compile a prequalified vendor list. Purchase orders may be placed with any, or all, of the vendors on the prequalified vendor list. This prequalified vendor list will be in effect for a period of two years. Orders for equipment purchased under this RFQQ will be placed with the vendors who are determined to be the most advantageous to the SCAQMD at the time of placing the order. It is expected that

product orders will be placed throughout the duration of the qualification period. Consideration will be given to cost advantage, technical superiority, length of warranty, and services provided.

Outreach

In accordance with SCAQMD's Procurement Policy and Procedure, a public notice advertising the RFQQ and inviting bids was published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County's Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may have been notified utilizing SCAQMD's own electronic listing of certified minority vendors. Notice of the RFQQ has been emailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at SCAQMD's website (<http://www.aqmd.gov>).

Bid Evaluation

Thirty-nine copies of the RFQQ were mailed out and twelve vendors responded when final bidding closed at 1:00 p.m. on December 6, 2017. Of the twelve complete responses, one was a disabled veteran-owned business enterprise; four were women-owned business enterprises; seven were minority-owned business enterprises; eight were local business enterprises; and five were small business enterprises. All twelve bids met the minimum requirements specified in the RFQQ and are recommended for prequalification in the appropriate categories.

The Attachment lists the twelve vendors prequalified to provide computer, network, printer, hardware and software, and audio visual equipment.

Panel Composition

The evaluation panel consisted of five staff members from Information Management: a Systems and Programming Supervisor, two IT Supervisors and two IT Specialists. Of the five panelists, three are Asian-Pacific Islander, and two are Hispanic; four are male and one is female.

Resource Impacts

Funds for the purchase of desktop computer hardware upgrade systems are included in the FY 2017-18 Budget.

Attachment

List of Prequalified Vendors for Computer, Network, Printer, Hardware and Software, and Audio Visual Equipment

ATTACHMENT

List of Prequalified Vendors for Computer, Network, Printer, Hardware and Software, and Audio Visual Equipment

Vendor	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Cat 7	Cat 8
EPOCH UNIVERSAL, INC.	Yes	Yes	Yes	No	No	Yes	Yes	No
HOWARD TECHNOLOGY SOLUTIONS A DIV. OF HOWARD INDUSTRIES, INC.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
CALIFORNIA INTEGRATED SOLUTIONS, INC.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
IMPEX TECHNOLOGIES, INC.	Yes	Yes	No	No	Yes	Yes	No	No
GOLDEN STAR TECHNOLOGY, INC.	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
SHI INTERNATIONAL CORP.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NTH GENERATION COMPUTING, INC.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
BUSINESS SERVICES	Yes	Yes	No	Yes	Yes	Yes	Yes	No
COMMUNICATIONS SUPPLY CORPORATION	No	No	No	No	No	Yes	No	No
GENESIS COMPUTER SYSTEMS, INC.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JPK MICRO SUPPLY, INC.	Yes	Yes	Yes	Yes	Yes	No	Yes	No
HYPERTEC USA INC. (HYPERTEC DIRECT)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Categories								
1. Computer Systems								
2. Computer Parts								
3. Computer Software								
4. Printers								
5. Printer Parts/Accessories								
6. Network Equipment								
7. Desktop computer hardware upgrade systems								
8. Audio Visual Equipment								

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 10

PROPOSAL: Execute Contract for Data Cabling Infrastructure Upgrade

SYNOPSIS: On November 3, 2017, the Board approved the release of an RFP to select a vendor capable of replacing SCAQMD's outdated fiber infrastructure system at the Diamond Bar Headquarters. Six vendors responded to the RFP. Among the responses, Digital Networks Group, Inc. is the recommended vendor for providing the new fiber infrastructure system based on achieving the most points on the RFP evaluation criteria. This action is to execute a contract with Digital Networks Group, Inc. to upgrade the data cabling infrastructure. Funds (\$311,202) for this purchase are included in the FY 2017-18 Budget.

COMMITTEE: Administrative, January 12, 2018; Recommended for Approval

RECOMMENDED ACTION:

Authorize the Executive Officer to execute a contract with Digital Networks Group, Inc. to upgrade the SCAQMD's fiber infrastructure system in the amount of \$311,202. Funds are available in the Information Management's and District General's Capital Outlay accounts for the FY 2017-18 Budget.

Wayne Natri
Executive Officer

Background

As the SCAQMD's computer applications have grown, so have the demands on local area network bandwidth. The SCAQMD's current fiber data cabling infrastructure is over 25 years old, has started degrading, and has bandwidth capacity limitations (maximum of 1 Gigabit per second network-throughput between the telecommunications closets and the data center). The network core switch infrastructure has been upgraded to support a substantially higher bandwidth (10 Gigabits per second) between servers, closets and data center, and is capable of providing up to 100 Gigabits per second bandwidth in the future. A data cabling infrastructure upgrade is required in order to fully utilize the increased local area network bandwidth at the SCAQMD's Diamond Bar Headquarters.

On November 3, 2017, the Board released RFP #P2018-02 for Data Cabling Infrastructure upgrade using budgeted funds (\$250,000) within District General's FY 2017-18 Budget, Capital Outlay Major Object. All of the responses that met the technical qualifications were higher than \$250,000. Staff is recommending that additional funds of \$61,202 be used from Information Management's FY 2017-18 Budget, Capital Outlay Major Object, under Network Server Upgrade.

Outreach

In accordance with SCAQMD's Procurement Policy and Procedure, a public notice advertising the RFP and inviting bids was published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County's Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may have been notified utilizing SCAQMD's own electronic listing of certified minority vendors. Notice of the RFP was emailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associates, and placed on the Internet at SCAQMD's website (<http://www.aqmd.gov>).

Bid Evaluation

Thirty-four copies of the RFP were mailed out and six vendors had responded when final bidding closed at 4:00 p.m. on December 5, 2017. Of the six responses, three were deemed not qualified. Of the three qualified responses, none were from a small business enterprise; three were local business enterprises, and none offered the most favored customer pricing status.

The Attachment reflects the evaluation of the bids, the respective ratings and costs. Of the qualified bids, the highest preference points adjusted bid was from Digital Networks Group, Inc. Staff recommends that the Board authorize the purchase of a data cabling infrastructure upgrade from Digital Networks Group, Inc.

Panel Composition

The evaluation panel consisted of a retired Network Analyst from California State Long Beach and four staff members from Information Management: two IT Supervisors and two Senior IT Specialists. Of the five panelists, two are Asian-Pacific Islander, two are Caucasian and one is Hispanic; all are male.

Resource Impacts

Sufficient funds are included in the FY 2017-18 Budget.

Attachment

Summary of Evaluation for RFP #P2018-02

ATTACHMENT

Summary of Evaluation for RFP #P2018-02

Six vendors have submitted a proposal for this RFP: Federal Technology Solutions, Inc. (FTS), In-Line (IL), GA Technical Services, Inc. (GATS), PCC Network Solutions (PCC), Pinnacle Communications Services (PCS), and Digital Networks Group, Inc. (DNG). Three proposals were deemed not qualified because their qualification scores for technical abilities were under 56 points.

Technical Criteria (70 points maximum)

	Proposer					
	FTS	GATS	IL	PCC	PCS	DNG
Panel Average	39	45	29	70	70	70

Cost (30 points maximum)

	Proposer					
	FTS	GATS	IL	PCC	PCS	DNG
	--	--	--	\$276,220.47	\$277,464.87	\$311,202.00
Panel Average	--	--	--	29.83	30	26.35

Additional Points (15 points maximum)

Criteria	Proposer					
	FTS	GATS	IL	PCC	PCS	DNG
Small Business or Small Business Joint Ventures Points (Maximum = 10)	--	--	--	--	--	--
DVBE or DVBE Joint Ventures Points (Maximum = 10)	--	--	--	--	--	--
Use of DVBE or Small Business Subcontractors Points (Maximum = 7)	--	--	--	--	--	--
Low-Emission Vehicle Business Points (Maximum = 5)	--	--	--	--	--	5

Criteria	Proposer					
	FTS	GATS	IL	PCC	PCS	DNG
Local Business (Non-EPA Funded Projects Only Points (Maximum = 5)	--	--	--	5	5	5
Off-Peak Hours Delivery Business Points (Maximum = 2)	--	--	--	2	2	2
Most Favored Customer Points (Maximum = 2)	--	--	--	--	--	--
Panel Average	--	--	--	7	7	12
Total	Not Qualified	Not Qualified	Not Qualified	106.83	107.00	108.35

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 11

PROPOSAL: Authorize Purchase of Servers and Storage Devices Maintenance and Support Services

SYNOPSIS: The servers and storage devices are used by enterprise-level software applications that currently support the Clean Air Support System for all SCAQMD core activities. Maintenance support for these computers expire on April 30, 2018. This action is to obtain approval for the sole source purchase of hardware and software maintenance and support services for servers and storage devices from Hewlett Packard Company for one year. Funds (\$120,000) for this expense are included in the FY 2017-18 Budget.

COMMITTEE: Administrative, January 12, 2018; Recommended for Approval

RECOMMENDED ACTION:

Authorize the Procurement Manager to purchase one year of maintenance and support services for SCAQMD servers and storage devices from Hewlett Packard Company at a cost not to exceed \$120,000, which is allocated in the FY 2017-18 Budget.

Wayne Nastri
Executive Officer

RMM:MAH:cj

Background

SCAQMD uses Hewlett-Packard (HP) servers and storage devices running Windows Server and Linux operating systems. The HP servers support several production applications such as the Clean Air Support System (CLASS), Permit Processing, Finance, Compliance, NSR, Emission Fee Billing, Notice of Violations, Facility Permits, ERS Interim Reports, Subscription Services, Central Stations, PeopleSoft Financial and HCM database, OnBase document management system, JWorks Legal system, AQMP Modeling and Telemetry system. Hardware and software maintenance and support services are required to ensure the continued operation of these programs with minimum interruption. Maintenance and support services for these servers expire on April 30, 2018.

In 2006, the Board approved release of an RFQ to select a vendor capable of providing the most cost-effective hardware and software maintenance and support services for servers. Only one vendor, Hewlett Packard (HP), the company that is currently support SCAQMD's servers, submitted a bid. HP is the sole manufacturer and provider of the hardware and software, and the only source for maintenance support licensing agreements. HP also provides the SCAQMD with substantial discounts through the WSCA (Western States Contracting Alliance) cooperative agreements.

Sole Source Justification

Section VIII.B.2 of the Procurement Policy and Procedure identifies circumstances under which a sole source purchase award may be justified. This request for a sole source award is made under provision VIII.B.2.c.(2) The project involves the use of proprietary technology; and (3) The contractor has ownership of key assets required for project performance. Hewlett Packard Company is the sole provider of this hardware and software and therefore, the only source for its maintenance and support licensing agreements.

Proposal

Staff recommends the purchase of one year of maintenance and support services for server hardware and software from Hewlett Packard Company at a cost not to exceed \$120,000.

Resource Impacts

Sufficient funds are included in the FY 2017-18 Budget.



[↑ Back to Agenda](#)

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 12

PROPOSAL: Approve Contract Awards and Modification as Approved by MSRC

SYNOPSIS: As part of their FYs 2016-18 AB 2766 Discretionary Fund Work Program, the MSRC approved new contracts under the Major Event Center Transportation, Natural Gas Infrastructure, Local Government Partnership, and County Transportation Commission Partnership Programs. The MSRC also approved a modification to a contract under the Local Government Match Program as part of their FYs 2014-16 Work Program. At this time the MSRC seeks Board approval of the contract awards and modification.

COMMITTEE: Mobile Source Air Pollution Reduction Review, January 18, 2018, Recommended for Approval

RECOMMENDED ACTIONS:

1. Approve contract award to Southern California Regional Rail Authority (Metrolink) in an amount not to exceed \$87,764 for special train service in support of the 2018 Auto Club 400 NASCAR race under the Major Event Center Transportation Program, as part of the approval of the FYs 2016-18 Work Program, as described in this letter;
2. Approve contract awards totaling \$300,000 under the Natural Gas Infrastructure Program, as part of approval of the FYs 2016-18 Work Program, as described in this letter and as follows:
 - a. A contract with the City of Banning in an amount not to exceed \$225,000 to expand their existing public access CNG station; and
 - b. A contract with the City of Norwalk in an amount not to exceed \$75,000 to modify their vehicle maintenance facility;
3. Approve contract awards totaling \$217,541 under the Local Government Partnership Program, as part of approval of the FYs 2016-18 Work Program, as described in this letter and as follows:
 - a. A contract with the City of Hidden Hills in an amount not to exceed \$49,999 to procure up to two light-duty zero-emission vehicles and install electric vehicle charging infrastructure;

- b. A contract with the City of Colton in an amount not to exceed \$67,881 to procure one medium-duty and one heavy-duty zero-emission vehicles;
 - c. A contract with the City of Signal Hill in an amount not to exceed \$49,661 to install electric vehicle charging infrastructure; and
 - d. A contract with the City of Desert Hot Springs in an amount not to exceed \$50,000 to synchronize signals on Palm Drive;
- 4. Approve contract awards to Riverside County Transportation Commission (RCTC) totaling \$2,000,000 under the County Transportation Commission (CTC) Partnership Program, as part of the approval of the FYs 2016-18 Work Program, as described in this letter and as follows:
 - a. A contract in an amount not to exceed \$500,000 to implement new weekend freeway service patrols (FSP); and
 - b. A contract in an amount not to exceed \$1,500,000 to implement a new vanpool subsidy program;
- 5. Approve modified contract with the City of Long Beach under the Local Government Match Program, increasing the number of medium-duty vehicles from 48 to 50 and increasing the number of heavy-duty vehicles from 16 to 19, with no change in the overall funding amount, as part of approval of the FYs 2014-16 Work Program, as described in this letter;
- 6. Authorize MSRC the authority to adjust contract awards up to five percent, as necessary and previously granted in prior work programs; and
- 7. Authorize the Chairman of the Board to execute the new and modified contracts under the FYs 2014-16 and 2016-18 Work Programs, as described above and in this letter.

Larry McCallon,
Vice Chair, MSRC

MMM:FM:CR

Background

In September 1990 Assembly Bill 2766 was signed into law (Health & Safety Code Sections 44220-44247) authorizing the imposition of an annual \$4 motor vehicle registration fee to fund the implementation of programs exclusively to reduce air pollution from motor vehicles. AB 2766 provides that 30 percent of the annual \$4 vehicle registration fee subvented to the SCAQMD be placed into an account to be allocated pursuant to a work program developed and adopted by the MSRC and approved by the Board.

At its January 18, 2018 meeting, the MSRC considered recommended awards under the Natural Gas Infrastructure, Major Event Center Transportation, Local Government Partnership, and CTC Partnership Programs. The MSRC also considered a modification to a contract under the Local Government Match Program. Details are provided below in the Proposals section.

Outreach

In accordance with SCAQMD's Procurement Policy and Procedure, public notices advertising the Natural Gas Infrastructure, Major Event Center Transportation, and Local Government Partnership solicitations were published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin. In addition, the solicitations were advertised in the Desert Sun newspaper for expanded outreach in the Coachella Valley.

Additionally, potential bidders may have been notified utilizing SCAQMD's own electronic listing of certified minority vendors. Notice of the solicitations was e-mailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at SCAQMD's website (<http://www.aqmd.gov>). Further, the solicitations were posted on the MSRC's website at <http://www.cleantransportationfunding.org> and electronic notifications were sent to those subscribing to this website's notification service.

Proposals

At its January 18, 2018 meeting, the MSRC considered recommendations from its MSRC-TAC and approved the following:

FYs 2016-18 Major Event Center Transportation Program (PA2017-05)

As part of its FYs 2016-18 Work Program, the MSRC allocated \$5,000,000 for event center transportation programs and released Program Announcement #PA2017-05. The Program Announcement solicits applications from qualifying major event centers and/or transportation providers to provide transportation service for venues not currently served by sufficient transportation service. To date, the MSRC has awarded a total of \$2,247,809. The MSRC considered recommendations concerning an additional application submitted by Metrolink. Metrolink requested the MSRC to consider an award of \$87,764 to provide special train service for the final day of the 2018 Auto Club 400 NASCAR race to be held on March 18, 2018 at Auto Club Speedway. Service would be provided using Tier 4 locomotives, the cleanest available, on three routes, out of Oceanside, Oxnard, and Lancaster, with the first train arriving at 9:10 a.m. All three special Metrolink trains will wait up to 60 minutes following the conclusion of the race before departing. A dedicated tram service will connect patrons from the train platforms to the track. Service would promote the use of rail in lieu of personal automobile. SCRRA and the Auto Club Speedway would contribute at least \$245,000 in co-funding.

The MSRC approved a contract award to Metrolink in an amount not to exceed \$87,764 as part of the FYs 2016-18 Work Program.

FYs 2016-18 Natural Gas Infrastructure Program

The MSRC approved the release of Program Announcement #PA2017-07 under the FYs 2016-18 Work Program. The Program Announcement, with a targeted funding level of \$4.0 million, provides funds for new and expanded natural gas stations, as well as for the upgrade of existing vehicle maintenance facilities and technician training. Stations will be eligible for up to 50 percent of station capital equipment, site construction, signage, and reasonable project management costs, not to exceed the specified maximum award amounts. The maximum MSRC funding per project varies from \$100,000 to \$275,000 depending upon whether the applicant is a public or private entity, the accessibility level of the proposed project, and the number of fuels offered. Additionally, projects may be eligible for a \$100,000 bonus if they commit to use at least 50% renewable natural gas for a minimum of five years. The RFP includes an open application period commencing with its release on June 2, 2017, and closing June 29, 2018. To date, the MSRC has awarded a total of \$118,500. The MSRC considered recommendations concerning two additional applications. The MSRC unanimously approved two awards totaling \$300,000 as part of the FYs 2016-18 Work Program, as follows:

- a. A contract with the City of Banning in an amount not to exceed \$225,000 to expand their existing public access CNG station; and
- b. A contract with the City of Norwalk in an amount not to exceed \$75,000 to modify their vehicle maintenance facility.

FYs 2016-18 Local Government Partnership Program

The MSRC approved the release of Local Government Partnership PON2018-01 under the FYs 2016-18 Work Program. The Invitation to Negotiate (ITN), with a targeted funding level of \$21,180,650, focuses on providing funds for projects to support SCAQMD's 2016 AQMP. Cities and counties which have opted into the AB 2766 motor vehicle registration surcharge fee program are eligible to participate. The majority of participants would be allocated maximum funding equivalent to their annual AB 2766 Subvention Fund allocation; however, those whose annual Subvention Fund allocation is less than \$50,000 would be eligible to receive a maximum of \$50,000, and the maximum allocation for any single city or county would be \$3,000,000. MSRC funding could be used for light-duty zero emission vehicle purchases and leases; medium- and heavy-duty zero emission vehicle purchases, near-zero emission heavy-duty alternative fuel vehicle purchases and repower, electric vehicle charging station installation, and construction or expansion of alternative fuel refueling infrastructure, subject to match funding requirements as outlined in the ITN. Additionally, those jurisdictions eligible for a maximum contribution of \$50,000 would have the option to pursue traffic signal synchronization, bicycle active transportation, and first mile/last mile strategies. The ITN includes an open application period commencing with its release on September 1, 2017, and closing March 2, 2018. The MSRC considered recommendations regarding four

applications. The MSRC unanimously approved four awards totaling \$217,541 as part of the FYs 2016-18 Work Program, as follows:

- a. A contract with the City of Hidden Hills in an amount not to exceed \$49,999 to procure up to two light-duty zero-emission vehicles and install electric vehicle charging infrastructure;
- b. A contract with the City of Colton in an amount not to exceed \$67,881 to procure one medium-duty and one heavy-duty zero-emission vehicles;
- c. A contract with the City of Signal Hill in an amount not to exceed \$49,661 to install electric vehicle charging infrastructure; and
- d. A contract with the City of Desert Hot Springs in an amount not to exceed \$50,000 to synchronize signals on Palm Drive.

FYs 2016-18 County Transportation Commission Partnership Program

The MSRC approved release of an Invitation to Negotiate for the CTC Partnership Program under the FYs 2016-18 Work Program. The ITN, with a targeted funding level of \$8,000,000, seeks to stimulate the demonstration of innovative projects, as well as expand “tried and true” air quality improvement strategies. CTCs within SCAQMD are eligible to participate. Other public and private entities could participate as subcontractors to a CTC. Each CTC is eligible to receive a maximum of \$2,000,000 on a sole-source contract award basis. Eligible project types include, but are not necessarily limited to: capital improvement projects, capital purchase projects including fleet vehicle purchases that meet, at a minimum, ARB’s optional 0.02 g/bhp-hr NOx emissions standard, traffic signal coordination, ridesharing programs, active transportation programs including bicycle sharing projects, transit pass incentive programs, freeway service patrols, first mile/last mile strategies, and information technology projects that focus on air quality improvement. The ITN includes an open application period commencing with its release on December 1, 2017, and closing June 29, 2018. The MSRC considered recommendations concerning two work plans submitted by RCTC.

Firstly, RCTC requested the MSRC to consider an award of \$500,000 to implement new weekend FSP service. The purpose of the FSP program is to provide continuously roving tow truck services along designated freeway segments (referred to as beats) to relieve freeway congestion and facilitate the rapid removal of disabled vehicles as well as vehicles involved in minor accidents. New weekend service is proposed for State Route 91 from Magnolia Avenue to the 60/91/215 Interchange, and on State Route 60/Interstate 215 from Central Avenue to I-215 at Alessandro Boulevard to State Route 60 at Theodore Street. The project would start with a base schedule of 10 a.m. to 6 p.m. on Saturdays and Sundays. After the first six months, RCTC would evaluate the service and determine if any schedule adjustments are warranted. Given a maximum 8-hour service schedule per weekend day, it is projected that the \$500,000 request would provide for 27 months of operations. RCTC would provide a minimum of \$133,000 in California Highway Patrol supervision co-funding. The MSRC approved a contract award to RCTC in an amount not to exceed \$500,000 as part of the FYs 2016-18 Work Program for the weekend FSP service.

Secondly, RCTC requested the MSRC to consider an award of \$1,500,000 to implement a long distance commuter vanpool program. The program would target long distance commuters who travel more than 30 roundtrip miles per day and a minimum of 12 days per month. The drivers and passengers would be commuters traveling to and from their worksites. Vans could either be leased through the California Vanpool Authority (CalVans) or a private sector third-party leasing vendor to be selected by RCTC, with a monthly subsidy of 50% of the vanpool lease costs, not to exceed \$400 per month. Program administration would be provided by a consultant to be selected by RCTC. RCTC anticipates enrolling 224 vanpools by the end of FY 2019-20. RCTC would contribute a minimum of \$208,000 in vanpool subsidy co-funding, plus staff and consultant support. The MSRC approved a contract award to RCTC in an amount not to exceed \$1,500,000 as part of the FYs 2016-18 Work Program for the vanpool incentive program.

FYs 2014-16 Local Government Match Program

In August 2015, the MSRC approved an award to the City of Long Beach in an amount not to exceed \$1,445,400 for the purchase of 48 medium-duty and 16 heavy-duty natural gas vehicles, plus the installation of a CNG fueling station. Due to manufacturer production changes and changes in their vehicle replacement schedule, the City requested to substitute a number of vehicles and increase the total number of vehicles to be purchased. The City now proposes to purchase 50 medium-duty and 19 heavy-duty natural gas vehicles, with no change in the overall funding amount. All proposed substitute vehicles meet FYs 2014-16 Local Government Match Program requirements. The MSRC considered and approved the City's requested modifications.

At this time, the MSRC requests the SCAQMD Board to approve the contract awards and modification as part of approval of the FYs 2014-16 and 2016-18 AB 2766 Discretionary Fund Work Programs as outlined above. The MSRC also requests the Board to authorize the SCAQMD Chairman of the Board the authority to execute all agreements described in this letter. The MSRC further requests authority to adjust the funds allocated to each project specified in this Board letter by up to five percent of the project's recommended funding. The Board has granted this authority to the MSRC for all past Work Programs.

Resource Impacts

The SCAQMD acts as fiscal administrator for the AB 2766 Discretionary Fund Program (Health & Safety Code Section 44243). Money received for this program is recorded in a special revenue fund (Fund 23) and the contracts specified herein will be drawn from this fund.

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 13

PROPOSAL: Approve Funding for Air Filtration Systems at East Los Angeles Schools

SYNOPSIS: This item is to consider approval of funding for air filtration systems at Plaza Community Services Center, Resurrection Church Elementary School, and Salesian High School in the total amount of \$250,000. The funding is provided pursuant to a settlement agreement with Brenntag Pacific, Inc. The settlement agreement provided that \$250,000 in settlement funds would be used for supplemental environmental projects. The schools are located in East Los Angeles, near the location where Brenntag Pacific's air pollution violations occurred. This item also transfers the \$250,000 in funding for the supplemental environmental project from the General Fund to Fund 75, the Air Filtration Fund, and authorizes the Executive Officer to enter into a contract in a total amount up to \$250,000 with IQ Air to install filters at the schools.

COMMITTEE: Special Administrative, January 29, 2018; Recommended for Approval

RECOMMENDED ACTIONS:

1. Transfer up to \$250,000 from the General Fund (Undesignated/Unassigned Fund Balance) into the Air Filtration Fund (Fund 75);
2. Authorize the Executive Officer to execute a contract with IQAir North America in an amount not to exceed \$250,000 for installation of an air filtration system and filters at Plaza Community Services Center's location on Union Pacific Avenue in Los Angeles; for installation of air filters at Resurrection Church Elementary School in East Los Angeles; and at Salesian High School in East Los Angeles.

Wayne Nastri
Executive Officer

Background

In June of 2017, the District entered into a settlement agreement regarding air pollution violations with Brenntag Pacific Corporation that included payment of \$250,000 to be used to fund a supplemental environmental project to benefit the residents of the District. In addition to the payment for the supplemental environmental project, Brenntag Pacific paid the District a civil penalty of \$1,250,000. These penalties were due to air pollution violations occurring at Brenntag Pacific's facility located at 3629 Union Pacific Avenue in East Los Angeles.

Staff is recommending that the Governing Board approve a contract with IQAir North America, to install new filters at Resurrection Church Elementary School for five years; to install a filtration system at the Plaza Community Services Center daycare on Union Pacific Avenue and install new filters in the system for five years; and to install new filters at Salesian High School for three years. Plaza Community Services Center's daycare is approximately five blocks from the site of Brenntag Pacific's violations. Resurrection Church Elementary School—which already has an air filtration system installed—is less than one mile from the site of the Brenntag Pacific violations. Salesian High School is approximately two miles from the site of the violations.

Staff is recommending that the District contract with IQAir North America to install the filters. IQAir North America was previously selected through two separate competitive bid processes in 2011 and 2013 for air filtration projects. Last year staff worked with CARB staff on a technology status check to ensure no new, more effective technologies had come on the market. Furthermore, IQAir was the only qualified manufacturer of high performance filters and stand-alone units to meet the performance standards in SCAQMD's 2009 air filtration pilot study as well as through a national testing opportunity conducted by the University of California Riverside CE-CERT at Sunnyslope Elementary School in 2010. To date, through contracts with IQAir, SCAQMD has installed air filtration systems at 71 schools and community centers. Performance standards from SCAQMD's air filtration pilot study include an average removal efficiency of at least 85 percent for ultrafine PM and black carbon, no pressure drop for panel filters, no ozone generation, and a noise level below 45 decibels for standalone units.

Sole Source Justification

Section VIII. B. 2 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified. This request for a sole source award is made under provision B.2.c(1): The desired services are available from only the sole-source based upon the unique experience and capabilities of the proposed contractor or contractor team. IQAir is the only manufacturer of high performance panel filters and stand-alone units identified by SCAQMD and CARB Research Division staff that meet the performance standards in SCAQMD's 2009 air filtration pilot study. Staff has also consulted with CARB Research Division staff to confirm that no new

manufacturers of air filtration technologies that meet or exceed the performance standards in the pilot study have been identified since the last RFP process in 2013.

Benefits to SCAQMD

This project will reduce children's exposure to criteria and toxic pollutants and ultrafine PM. Health studies have determined that fine and ultrafine PM, including diesel PM, present the greatest air pollution health risk to sensitive receptors in Environmental Justice communities in Southern California.

Resource Impacts

Amounts transferred from the General Fund pursuant to this action were placed there under a settlement agreement requiring the funds to be used for a special environmental project to benefit District residents. This will be accomplished by transferring the funds to the Air Filtration Fund and by contracting with IQ Air North America installation of filtrations systems at East Los Angeles schools.

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 14

REPORT: Legislative, Public Affairs and Media Report

SYNOPSIS: This report highlights the December 2017 outreach activities of the Legislative, Public Affairs and Media Office, which include: an Environmental Justice Update, Community Events/Public Meetings, Business Assistance, Media Relations and Outreach to Business and Federal, State, and Local Government.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:
Receive and file.

Wayne Nastri
Executive Officer

DJA:FW:LTO:DM

BACKGROUND

This report summarizes the activities of the Legislative, Public Affairs and Media Office for December 2017. The report includes five major areas: Environmental Justice Update; Community Events/Public Meetings (including the Speakers Bureau/Visitor Services, Communications Center, and Public Information Center); Business Assistance; Media Relations; and Outreach to Business and Governments.

ENVIRONMENTAL JUSTICE UPDATE

The following are key environmental justice-related activities in which staff participated during December 2017.

December 2

SCAQMD hosted the third annual Environmental Justice Conference: A Conversation on Environmental Justice, at the Center at Cathedral Plaza in Downtown Los Angeles. More than 200 community members, environmental justice groups, academics, business owners, and health experts attended the all-day event. Participants discussed the need to protect and improve the region's air quality. Breakout sessions included topics on Clean Air-Innovation; Cooperative Engagement (How Community Groups Can Better

Collaborate to Solve Environmental Justice Problems, Public Agencies and Businesses Can Work Together to Champion Environmental Justice); Right on the Money (Techniques Effective for Grant Writing and Air Pollution; Environmental Justice, and Health. Two plenary sessions were also held on Policy and Regulation; and Call to Action (Environmental Justice in 2018 and Beyond). The conference was part of the Environmental Justice Community Partnership, which aims to strengthen the SCAQMD's relationship with stakeholders from environmental justice communities.

COMMUNITY EVENTS/PUBLIC MEETINGS

Each year SCAQMD staff engage with thousands of residents, providing valuable information about the agency, incentive programs and ways individuals can help reduce air pollution through events and meetings sponsored solely by SCAQMD or in partnership with others. Attendees typically receive the following information:

- Tips on reducing their exposure to smog and its health effects;
- Clean air technologies and their deployment;
- Invitations or notices of conferences, seminars, workshops and other public events;
- SCAQMD incentive programs;
- Ways to participate in SCAQMD's rule and policy development; and
- Assistance in resolving air pollution-related problems.

SCAQMD staff attended and/or provided information and updates at the following events:

December 7

- Environmental Leadership Institute Event, California State University, San Marcos.

December 8

- Brotherhood Crusade Pioneer of African American Achievement Award Dinner Event, Beverly Hilton Hotel, Los Angeles.

December 14

- Community Meeting on Health Study related to Gas Leak at Aliso Canyon Storage Facility, Porter Ranch Community School, Los Angeles.

SPEAKERS BUREAU/VISITOR SERVICES

SCAQMD regularly receives requests for staff to speak on air quality-related issues from a wide variety of organizations, such as trade associations, chambers of commerce, community-based groups, schools, hospitals and health-based organizations. SCAQMD also hosts visitors from around the world who meet with staff on a wide range of air quality issues.

December

- No visits or presentations were made during the month of December.

COMMUNICATION CENTER STATISTICS

The Communication Center handles calls on SCAQMD's main line, the 1-800-CUT-SMOG® line, the Spanish line, and after-hours calls to each of those lines. Total calls received in the month of December were:

Calls to SCAQMD's Main Line and 1-800-CUT-SMOG® Line	3,560
Calls to SCAQMD's Spanish-language Line	<u>22</u>
Total Calls	3,582

PUBLIC INFORMATION CENTER STATISTICS

The Public Information Center (PIC) handles phone calls and walk-in requests for general information. Information for the month of December is summarized below:

Calls Received by PIC Staff	113
<u>Calls to Automated System</u>	<u>1,272</u>
Total Calls	1,385

Visitor Transactions	189
Email Advisories Sent	7,725

BUSINESS ASSISTANCE

SCAQMD notifies local businesses of proposed regulations so they can participate in the agency's rule development process. SCAQMD also works with other agencies and governments to identify efficient, cost-effective ways to reduce air pollution and shares that information broadly. Staff provides personalized assistance to small businesses both over the telephone and via on-site consultation. The information is summarized below:

- Provided permit application assistance to 188 companies
- Issued 70 clearance letters
- Conducted 6 free on-site consultations

Types of businesses assisted

Auto Body Shops	Dry Cleaners	Furniture Refinishing Facilities
Plating Facilities	Gas Stations	Printing Facilities
Breweries	Restaurants	Engineering, Construction
Manufacturing Facilities	Auto Repair Centers	& Architecture Firms

MEDIA RELATIONS

The Media Office handles all SCAQMD outreach and communication with television, radio, newspapers and all other publications and media operations.

Total Media Inquiries: 66

Press Releases Issued: 5

No-Burn Alerts: 13

Smoke/Dust/Ash Advisories: 12

Major Media Topics for December

All inquiries closed unless noted as pending

- **Wildfires:** Staff was interviewed regarding air quality and the Los Angeles County wildfires by NBC network news, The Weather Channel, Fox 11 News, KNBC, KPCC, KCRW, KNX, Bloomberg News, IWP News, CBS2, OC Register, KTLA, Washington Post, and Telemundo.
- **Rule 415:** The LA Business Journal inquired about Rule 415 requirements for rendering plants.
- **WalMart Settlement:** Law360 sought further information on the EPA/Walmart settlement case, especially regarding plans to install air filters in schools.
- **US EPA proposed repeal of “glider” regulation:** LA Times editorial page writer inquired about US EPA’s proposed repeal of “glider” rules. Staff provided Executive Officer Wayne Nastri’s testimony to U.S. EPA.
- **Rule 1180 – Fenceline Monitoring:** Staff provided information and interviews to the LA Times, Daily Breeze, KPCC and BNA on the proposal and Board adoption of Rule 1180.
- **Aliso Canyon:** Southern California News group inquired about SCAQMD’s Town Hall Meeting on the Aliso Canyon health study. The Daily Breeze and KPCC inquired in regards to developments at the Aliso Canyon drill site, which received a recent Notice of Violation.
- **Asbestos Contamination:** The Daily Breeze inquired about possible asbestos contamination in a Rancho Palos Verdes apartment complex. The facility had been issued a Notice to Comply to submit asbestos-related documents to SCAQMD staff.
- **Anaplex Curtailment:** The Paramount Journal and Long Beach Post inquired about the temporary curtailment of operations at Anaplex in Paramount.
- **Portable Monitors:** Staff conducted an interview with the San Francisco Chronicle regarding portable monitoring operations during wildfires. An interview was also conducted with KVPR radio on use of portable monitors by residents.
- **Thermal Landfill:** The Desert Sun inquired about a landfill near an elementary school and the Torres-Martinez reservation.

Media Campaigns

Google Ad Campaign:

- Preparations are underway for the next two campaigns, expected to begin in January, for The Right to Breathe and Check Before You Burn.

Check Before You Burn:

- 24 No-Burn Days November 1, 2017 to December 30, 2017
- The contractor continues to pitch media to secure interviews and press coverage.
- Three events attended by the contractor in December, with an event added in January to continue to seek signups for AirAlerts and pledges.
- After distribution of campaign outreach materials at several public events, a review of Air Alerts sign-ups shows continued higher-than-average totals for new subscribers in each month, compared to previous campaigns.

News Releases & Media Advisories Issued

- SCAQMD Board Re-Elects William A Burke, Ed D, as Chair - December 1, 2017.
- SCAQMD Requires Refineries to Conduct Fenceline Air Monitoring - December 1, 2017.
- SCAQMD Hosts Third Annual Environmental Justice Conference - December 2, 2017.
- Anaplex in Paramount Ordered to Temporarily Suspend Operations - December 15, 2017.
- SCAQMD Issues Violation to SoCalGas for Gas Leak at Aliso Canyon - December 22, 2017.

OUTREACH TO COMMUNITY GROUPS AND FEDERAL, STATE, AND LOCAL GOVERNMENTS

Field visits and/or communications were conducted with elected officials or staff from the following cities:

Alhambra	Duarte	Moreno Valley
Arcadia	El Monte	Monrovia
Azusa	Fullerton	Monterey Park
Bradbury	Glendora	Paramount
Brea	Hermosa Beach	Pasadena
Baldwin Park	Huntington Beach	Placentia
Buena Park	La Cañada Flintridge	Pomona
Claremont	La Palma	Riverside
Compton	La Puente	Rosemead
Covina	La Verne	San Bernardino
Cypress	Lawndale	San Dimas
Diamond Bar	Los Angeles	San Gabriel

San Marino
Sierra Madre
South El Monte

South Pasadena
Temple City
Walnut

West Covina
Yorba Linda

Visits and/or communications were conducted with elected officials or staff from the following state and federal offices:

- U.S. Senator Dianne Feinstein
- U.S. Senator Kamala Harris
- U.S. Congresswoman Judy Chu
- U.S. Congressman Steve Knight
- U.S. Congressman Ted Lieu
- U.S. Congresswoman Grace Napolitano
- U.S. Congressman Brad Sherman
- State Senator Ben Allen
- State Senator Ed Hernandez
- State Senator Josh Newman
- State Senator Anthony J. Portantino
- State Senator Henry Stern
- Assembly Member Dante Acosta
- Assembly Member Phillip Chen
- Assembly Member Ed Chau
- Assembly Member Matt Dababneh
- Assembly Member Chris Holden
- Assembly Member Al Muratsuchi
- Assembly Member Blanco Rubio

Staff represented SCAQMD and/or provided updates or a presentation to the following governmental agencies and business organizations:

California Air Resources Board
San Gabriel Valley Council of Governments
San Gabriel Valley Economic Partnership
South Bay Cities Council of Governments
South Bay Association of Chambers of Commerce

Staff represented SCAQMD and/or provided updates or a presentation to the following community and educational groups and organizations:

California State University, San Marcos
Los Angeles Unified School District
The National Collegiate Athletic Association, Los Angeles
The Orange County Korean-U.S. Citizens League, Garden Grove
Pasadena Neighborhood Communities Connections Group
Porter Ranch Neighborhood Council
TRAC (Taking Responsibility And Control) 91746 Neighborhood Watch Group, La Puente

 [Back to Agenda](#)

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 15

REPORT: Hearing Board Report

SYNOPSIS: This reports the actions taken by the Hearing Board during the period of December 1 through December 31, 2017.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:
Receive and file this report.

Julie Prussack
Chairman of Hearing Board

DG

Two summaries are attached: **December 2017 Hearing Board Cases and Rules From Which Variances and Orders for Abatement Were Requested in 2017**. An Index of District Rules is also attached.

The total number of appeals filed during the period December 1 to December 31, 2017 is 0; and total number of appeals filed during the period of January 1 to December 31, 2017 is 3.

Report of December 2017 Hearing Board Cases

Case Name and Case No. (SCAQMD Attorney)	Rules	Reason for Petition/Hearing	District Position/ Hearing Board Action	Type and Length of Variance or Order	Excess Emissions
1. Air Liquide Large Industries U.S., LP Case No. 5705-5 (B. Tomasovic)	203(b) 2004(f)(1) 2005 3002(c)(1)	Petitioner's SCR catalyst experienced unexpectedly rapid degradation.	Opposed in part/Denied	Ex Parte EV denied.	N/A
2. Air Liquide Large Industries U.S., LP Case No. 5705-5 (S. Hanizavareh)	203(b) 2004(f)(1) 2005 3002(c)(1)	Petitioner's SCR catalyst experienced unexpectedly rapid degradation.	Not Opposed/Granted	EV converted to IV; IV granted commencing 12/21/17 and continuing for 90 days or until the RV currently scheduled for 1/23/18, whichever occurs first.	NH3: 150 lbs/day NOx: 28 lbs/total during testing
3. City of Los Angeles/LA Sanitation Case No. 1212-36 (B. Tomasovic)	203(b) 3002(c)	December Creek fire destroyed electric poles powering facility's pollution control device, requiring excess use of emergency generator.	Not Opposed/Granted	Ex Parte EV granted commencing 12/14/17 and continuing through 12/31/17.	NOx and PM: TBD by 12/29/17
4. Ultramar Inc., dba Valero Wilmington Refinery Case No. 3845-98 (B. Tomasovic)	203(b) 401(b)(1) 407(a) 2004(f)(1) 3002(c)	Petitioner's amine treater, which removes sulfur during refining process, plugged and broke down unexpectedly.	Not Opposed/Granted	Ex Parte EV and AOC granted commencing 12/14/17 and continuing through 12/17/17.	SOx and CO: TBD by 12/29/17

Acronyms

AOC: Alternative Operating Conditions
 CO: Carbon Monoxide
 ERC: Emissions Reduction Credits
 EV: Emergency Variance
 N/A: Not Applicable
 NH3: Ammonia
 NOx: Oxides of Nitrogen
 RV: Regular Variance
 SCR: Selective Catalytic Reduction
 SOx: Oxides of Sulfur
 TBD: To be determined

Rules from which Variances and Orders for Abatement were Requested in 2017														
	2017	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
# of HB Actions Involving Rules														
202(a)			1	1	1		1					1		5
203(a)		1	1	1	2									5
203(b)		6	4	6	3	3	5	4	3	1	3	2	4	44
401(b)(1)									1				1	2
402		2	2	3	1	1		1	1					11
403(d)(1)					1									1
403(d)(2)					1									1
403(d)(3)					1									1
407(a)													1	1
442			2											2
461(e)(2)						1								1
461(e)(1)							1							1
461(e)(3)			1											1
1110.2								1	1			1		3
1110.2(d)(1)(B), Table II		1					1	1	1					4
1110.2(d)(1)(L)							1							1
1110.2(d)(2)(A)(ii)								1						1
1146							1							1
1147		1												1
1147(c)			1	1			1							3
1153.1(c)(3)						1								1
1153.1(c)(6)						1								1
1176(f)(3)		1												1
1420 (e)(2)												1		1
1470(c)(3)(C)(iii)			1											1
1703								1	1			1		3
2004(f)(1)		6	1	3	2	1		2	2		1	1	3	22
2005													1	1
2011(c)(2)			1									1		2
2012(c)(2)(A)				1										1
2012(c)(3)(A)				1										1
3002							1							1
3002(a)			1											1
3002(c)						1						1	2	4
3002(c)(1)		3	4	4	2		1	4	2	1	1	1	2	25
H&S 41700		2	2	3	1	1		1	1					11

**DISTRICT RULES AND REGULATIONS INDEX
FOR 2017 HEARING BOARD CASES AS OF December 31, 2017**

REGULATION II – PERMITS

Rule 202 Temporary Permit to Operate
Rule 203 Permit to Operate

REGULATION IV – PROHIBITIONS

Rule 401 Visible Emissions
Rule 402 Nuisance
Rule 403 Fugitive Dust
Rule 407 Liquid and Gaseous Air Contaminants
Rule 442 Usage of Solvents
Rule 461 Gasoline Transfer and Dispensing

REGULATION XI - SOURCE SPECIFIC STANDARDS

Rule 1110.2 Emissions from Gaseous- and Liquid-Fueled Internal Combustion Engines
Rule 1146 Emissions of Oxides of Nitrogen from Industrial, Institutional and Commercial Boilers, Steam Generators,
 and Process Heaters
Rule 1147 NOx Reductions from Miscellaneous Sources
Rule 1153 Commercial Bakery Ovens
Rule 1176 Sumps and Wastewater Separators

REGULATION XIV – TOXICS

Rule 1420 Emissions Standard for Lead
Rule 1470 Requirements for Stationary Diesel-Fueled Internal Combustion and Other Ignition Engines

REGULATION XVII - PREVENTION OF SIGNIFICANT DETERIORATION (PSD)

Rule 1703 PSD Analysis

REGULATION XX - REGIONAL CLEAN AIR INCENTIVES MARKET (RECLAIM)

Rule 2004	Requirements
Rule 2005	New Source Review for RECLAIM
Rule 2011	Requirements for Monitoring, Reporting, and Recordkeeping for Oxides of Sulfur (SO _x) Emissions
Rule 2012	Requirements for Monitoring, Reporting, and Recordkeeping for Oxides of Nitrogen (NO _x) Emissions

REGULATION XXX - TITLE V PERMITS

Rule 3002	Requirements
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CALIFORNIA HEALTH AND SAFETY CODE

§41700	Prohibited Discharges
§41701	Restricted Discharges

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 16

REPORT: Civil Filings and Civil Penalties Report

SYNOPSIS: This reports the monthly penalties from December 1 through December 31, 2017, and legal actions filed by the General Counsel's Office from December 1 through December 31, 2017. An Index of District Rules is attached with the penalty report.

COMMITTEE: Stationary Source, January 19, 2018, Reviewed

RECOMMENDED ACTION:
Receive and file this report.

Kurt R. Wiese
General Counsel

KRW:vr

No Civil Filings in December

Attachments

December 2017 Penalty Report
Index of District Rules and Regulations

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
General Counsel's Office**

December 2017 Settlement Penalty Report

<u>Total Penalties</u>	
Civil Settlements:	\$882,575.00
Settlements including SEP	\$1,500,000.00
MSPAP Settlements:	\$36,595.00
Total Cash Settlements:	\$1,419,170.00
Total SEP Value:	\$1,000,000.00
Fiscal Year through 12 / 2017 Cash Total:	\$4,165,702.97
Fiscal Year through 12 / 2017 SEP Value Only Total:	\$2,120,000.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
115536	AES REDONDO BEACH, LLC	3002(c)(1) 40 CFR 2004(f)(1) 203 (b)	12/21/2017	WBW	P60582	\$2,875.00
164571	ALL ANIMAL VETERINARY GROUP \$1,000 is suspended commencing January 1, 2018 through January 1, 2019. If during this period the facility is issued an NOV for any District rule, the facility will pay a suspended penalty of \$1,000.00.	203 (a)	12/14/2017	NAS	6081-1 P61314	\$1,000.00
176339	BECKER SPECIALTY CORP.	3002(c)(1)	12/20/2017	BST	P63964	\$3,000.00
148895	CALIFORNIA RESOURCES PRODUCTION CORP	1173	12/5/2017	BST	P59396	\$6,500.00
148897	CALIFORNIA RESOURCES PRODUCTION CORP	1173		BST	P65303	
151899	CALIFORNIA RESOURCES PRODUCTION CORP	1173		BST	P65304	
164709	CALIFORNIA RESOURCES PRODUCTION CORP	1173		BST	P65305	

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
16389	CEDARS-SINAI MEDICAL CTR	1146.2	12/20/2017	NSF	P63668	\$41,000.00
		1415				
		222				
		203			P63680	
		3002				
800030	CHEVRON PRODUCTS CO.		12/27/2017	TRB		\$375,500.00
		402			P26993	
		41700				
		2004			P48743	
		203				
		3002				
		401			P48744	
		1173				
		1176				
					P48745	
					P48746	
					P48748	
38440	COOPER & BRAIN - BREA	2004	12/12/2017	ML	P62060	\$250.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
800089	EXXONMOBIL OIL CORPORATION	1158(d)(8) 1173 40 CFR 1118 221(b)	12/15/2017	DH	P56623	\$47,750.00
800066	HITCO CARBON COMPOSITES INC wire transfer	2012 Appen A	12/27/2017	BST	P62810	\$80,000.00
178689	HORSELESS CARRAIGE/NORTH COUNTY SAND & GRAVEL	203 42401	12/14/2017	NAS	P62012	\$3,500.00
92380	JB MARK ALLEN HOTEL VALET CLEANER'S	1146.2	12/19/2017	BST	P64004	\$5,000.00
182970	MATRIX OIL CORP	1173	12/7/2017	BST	P65310	\$3,200.00
18294	NORTHROP GRUMMAN SYSTEMS CORP	2004 2012(e)(2)(B)	12/26/2017	BST	P64414	\$2,500.00
181838	OSK MOBIL #2211214	203(a) 461	12/22/2017	WBW	P61993 P61996	\$1,000.00
157653	ROMAN DECORATING PRODUCTS	314	12/13/2017	NSF	P64815	\$1,500.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
174655	TESORO REFINING & MARKETING CO, LLC		12/5/2017	NSF		\$246,500.00
		1105.1			P45975	
		1118				
		1149				
		1173				
		1176(e)(1)				
		1178				
		2004(f)(1)				
		3002(c)(1)				
		401				
		463				
		1105.1			P45977	
		2005				
					P45978	
					P45979	
					P45980	
					P45981	

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
13011	THE GILL CORPORATION	3002(c)(1)	12/26/2017	BST		\$6,000.00
160141	THOMAS SAFRAN & ASSOCIATES		12/1/2017	DH	P60538	\$5,500.00
181667	TORRANCE REFINING COMPANY LLC	1403	12/15/2017	DH	P64852	\$50,000.00
		402			P63409	
		41700				
Total Civil Settlements: \$882,575.00						

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Settlements including SEP						
169754	SO CAL HOLDING, LLC		12/19/2017	TRB		\$1,500,000.00
	\$500,000 = cash settlement, \$1,000,000 = SEP - construct and operate a natural	2004			P37241	
	gas pipeline that will connect the Facility with the Southern California Gas Company	2012			P37242	
	Distribution System with a completion date of no later than January 31, 2020.				P37247	
					P62958	
Total Settlements including SEP: \$1,500,000.00						

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
MSPAP Settlements						
184393	ANTONIO HUERRERA		12/20/2017	JS		\$300.00
		203 (a)			P59692	
179857	APEX PARKS GROUP DBA BOOMERS		12/26/2017	JS		\$1,375.00
		461(c)(1)(B)			P65359	
184887	FULLMER CONSTRUCTION		12/22/2017	TF		\$1,650.00
	closes both 64760 Fullmer Construction, P64761 Metra Construction, Inc.	403(d)(1)			P64760	
		403(d)(2)			P64761	
90847	KLUNE INDUSTRIES INC		12/20/2017	GC		\$1,275.00
		1147			P63672	
152675	MAGNOILIA VALERO, INC.		12/20/2017	GV		\$400.00
		41960			P64917	
		461				
172841	MSL ELECTRIC INC.		12/21/2017	TF		\$225.00
		203(a)			P66657	
26098	MULCAHY ENTERPRISES, INC.		12/21/2017	TF		\$1,000.00
		461			P65720	
165820	PACIFIC PALMS PETROLEUM, LLC		12/26/2017	TF		\$1,650.00
		203(a)			P56997	
		222				
138015	REDWOOD PRODUCTS INC		12/21/2017	TF		\$800.00
		203(a)			P66251	
13920	SAINT JOSEPH HOSPITAL		12/26/2017	GV		\$1,700.00
		3002(c)(1)			P63862	
155425	SANTA FE ENERGY, INC.		12/21/2017	GV		\$800.00
		461			P64976	
179724	SEYEDI PARTNERS		12/26/2017	GV		\$520.00
		41960.2			P65723	
		461				

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
MSPAP Settlements						
181223	SIERRA ALLOYS COMPANY		12/26/2017	GV		\$2,400.00
		1430			P60689	
4477	SO CAL EDISON CO		12/21/2017	GV		\$2,000.00
		2004(f)(1)			P60585	
		203(b)				
		3002(c)(1)				
153780	SOUTH PASADENA SMOGPROS		12/21/2017	GV		\$1,000.00
		41960.2			P65023	
		461(c)(2)(B)				
118056	STRONG INC		12/21/2017	GV		\$450.00
		203(a)			P66901	
171660	TESORO (USA) 63311		12/26/2017	TF		\$14,850.00
		461			P64978	
185040	VERTEX TELECOM INC		12/21/2017	GV		\$800.00
		203(a)			P65555	
94488	WALT DISNEY PICTURES AND TELEVISION		12/26/2017	GV		\$2,400.00
		203			P57401	
		461(c)(3)(L)				
		461(e)(2)(A)				
153320	WALT'S CLEANERS		12/22/2017	GV		\$1,000.00
		1102			P63762	
Total MSPAP Settlements: \$36,595.00						

DISTRICT RULES AND REGULATIONS INDEX FOR DECEMBER 2017 PENALTY REPORT

REGULATION II – PERMITS

- Rule 203 Permit to Operate (*Amended 1/5/90*)
Rule 221 Plans (*Adopted 1/4/85*)
Rule 222 Filing Requirements for Specific Emission Sources Not Requiring a Written permit Pursuant to Regulation II.
(*Amended 5/19/00*)

REGULATION III - FEES

- Rule 314 Fees for Architectural Coatings

REGULATION IV - PROHIBITIONS

- Rule 401 Visible Emissions (*Amended 9/11/98*)
Rule 402 Nuisance (*Adopted 5/7/76*)
Rule 403 Fugitive Dust (*Amended 12/11/98*) *Pertains to solid particulate matter emitted from man-made activities.*
Rule 461 Gasoline Transfer and Dispensing (*Amended 6/15/01*)
Rule 463 Storage of Organic Liquids (*Amended 3/11/94*)

REGULATION XI - SOURCE SPECIFIC STANDARDS

- Rule 1105.1 Reduction of PM and Ammonia Emissions from Fluid Catalytic Cracking Units
Rule 1110.2 Emissions from Gaseous- and Liquid-Fueled Internal Combustion Engines (*Amended 11/14/97*)
Rule 1118 Emissions from Refinery Flares (*Adopted 2/13/98*)
Rule 1146 Emissions of Oxides of Nitrogen from Industrial, Institutional and Commercial Boilers, Steam Generators,
and Process Heaters (*Amended 11/17/00*)
Rule 1146.2 Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers (*Adopted 1/9/98*)
Rule 1149 Storage Tank Degassing (*Amended 7/14/95*)
Rule 1158 Storage, Handling and Transport of Petroleum Coke (*Amended 6/11/99*)
Rule 1173 Fugitive Emissions of Volatile Organic Compounds (*Amended 5/13/94*)
Rule 1176 Sumps and Wastewater Separators (*Amended 9/13/96*)
Rule 1178 Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities (*Amended 4/7/06*)
Rule 1403 Asbestos Emissions from Demolition/Renovation Activities (*Amended 4/8/94*)
Rule 1415 Reduction of Refrigerant Emissions from Stationary Refrigeration and Air Conditioning Systems (*Amended 10/14/94*)
Rule 1430 Control of Emissions from Metal Grinding Operations at Metal Forging Facilities (*Adopted 3/3/17*)

REGULATION XX - REGIONAL CLEAN AIR INCENTIVES MARKET (RECLAIM)

Rule 2004 Requirements (*Amended 5/11/01*)

Rule 2005 New Source Review for RECLAIM (*Amended 4/20/01*)

Rule 2012 Requirements for Monitoring, Reporting, and Recordkeeping for Oxides of Nitrogen (NO_x) Emissions
(*Amended 5/11/01*)

REGULATION XXII ON-ROAD MOTOR VEHICLE MITIGATION

Rule 2202 On-Road Motor Vehicle Mitigation Options (*Amended 10/9/98*)

REGULATION XXX - TITLE V PERMITS

Rule 3002 Requirements (*Amended 11/14/97*)

CALIFORNIA HEALTH AND SAFETY CODE § 41700

41960.2 Gasoline Vapor Recovery

41700 Violation of General Limitations

CODE OF FEDERAL REGULATIONS

40 CFR – Protection of the Environment

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 17

REPORT: Lead Agency Projects and Environmental Documents Received By SCAQMD

SYNOPSIS: This report provides, for the Board's consideration, a listing of CEQA documents received by the SCAQMD between December 1, 2017 and December 31, 2017, and those projects for which the SCAQMD is acting as lead agency pursuant to CEQA.

COMMITTEE: Mobile Source, January 19, 2018; Reviewed

RECOMMENDED ACTION:
Receive and file.

Wayne Nastri
Executive Officer

PF:SN:MK:LS:LW

CEQA Document Receipt and Review Logs (Attachments A and B) – Each month, the SCAQMD receives numerous CEQA documents from other public agencies on projects that could adversely affect air quality. A listing of all documents received and reviewed during the reporting period December 1, 2017 through December 31, 2017 is included in Attachment A. A list of active projects from previous reporting periods for which SCAQMD staff is continuing to evaluate or has prepared comments is included in Attachment B. A total of 81 CEQA documents were received during this reporting period and 33 comment letters were sent. There are no notable projects to report.

The Intergovernmental Review function, which consists of reviewing and commenting on the adequacy of the air quality analysis in CEQA documents prepared by other lead agencies, is consistent with the Board's 1997 Environmental Justice Guiding Principles and Environmental Justice Initiative #4. As required by the Environmental Justice Program Enhancements for FY 2002-03 approved by the Board in October 2002, each of the attachments notes those proposed projects where the SCAQMD has been contacted regarding potential air quality-related environmental justice concerns. The SCAQMD has established an internal central contact to receive information on projects with potential air quality-related environmental justice concerns. The public may contact the

SCAQMD about projects of concern by the following means: in writing via fax, email, or standard letters; through telephone communication; as part of oral comments at SCAQMD meetings or other meetings where SCAQMD staff is present; or by submitting newspaper articles. The attachments also identify for each project the dates of the public comment period and the public hearing date, if applicable, as reported at the time the CEQA document is received by the SCAQMD. Interested parties should rely on the lead agencies themselves for definitive information regarding public comment periods and hearings as these dates are occasionally modified by the lead agency.

At the January 6, 2006 Board meeting, the Board approved the Workplan for the Chairman's Clean Port Initiatives. One action item of the Chairman's Initiatives was to prepare a monthly report describing CEQA documents for projects related to goods movement and to make full use of the process to ensure the air quality impacts of such projects are thoroughly mitigated. In response to describing goods movement, CEQA documents (Attachments A and B) are organized to group projects of interest into the following categories: goods movement projects; schools; landfills and wastewater projects; airports; general land use projects, etc. In response to the mitigation component, guidance information on mitigation measures were compiled into a series of tables relative to: off-road engines; on-road engines; harbor craft; ocean-going vessels; locomotives; fugitive dust; and greenhouse gases. These mitigation measure tables are on the CEQA webpages portion of the SCAQMD's website at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mitigation-measures-and-control-efficiencies>. Staff will continue compiling tables of mitigation measures for other emission sources, including airport ground support equipment and other sources.

As resources permit, staff focuses on reviewing and preparing comments for projects: where the SCAQMD is a responsible agency; that may have significant adverse regional air quality impacts (e.g., special event centers, landfills, goods movement, etc.); that may have localized or toxic air quality impacts (e.g., warehouse and distribution centers); where environmental justice concerns have been raised; and those projects for which a lead or responsible agency has specifically requested SCAQMD review. If staff provided written comments to the lead agency as noted in the column "Comment Status," there is a link to the "SCAQMD Letter" under the Project Description. In addition, if staff testified at a hearing for the proposed project, a notation is provided under the "Comment Status." If there is no notation, then staff did not provide testimony at a hearing for the proposed project.

During the period December 1, 2017 through December 31, 2017, the SCAQMD received 81 CEQA documents. Of the total of 103 documents* listed in Attachments A and B:

- 33 comment letters were sent;
- 37 documents were reviewed, but no comments were made;
- 20 documents are currently under review;
- 5 documents did not require comments (e.g., public notices);
- 0 documents were not reviewed; and
- 8 documents were screened without additional review.

* These statistics are from December 1, 2017 to December 31, 2017 and may not include the most recent “Comment Status” updates in Attachments A and B.

Copies of all comment letters sent to lead agencies can be found on the SCAQMD’s CEQA webpage at the following internet address:

<http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>.

SCAQMD Lead Agency Projects (Attachment C) – Pursuant to CEQA, the SCAQMD periodically acts as lead agency for stationary source permit projects. Under CEQA, the lead agency is responsible for determining the type of CEQA document to be prepared if the proposal is considered to be a “project” as defined by CEQA. For example, an Environmental Impact Report (EIR) is prepared when the SCAQMD, as lead agency, finds substantial evidence that the proposed project may have significant adverse effects on the environment. Similarly, a Negative Declaration (ND) or Mitigated Negative Declaration (MND) may be prepared if the SCAQMD determines that the proposed project will not generate significant adverse environmental impacts, or the impacts can be mitigated to less than significance. The ND and MND are written statements describing the reasons why proposed projects will not have a significant adverse effect on the environment and, therefore, do not require the preparation of an EIR.

Attachment C to this report summarizes the active projects for which the SCAQMD is lead agency and is currently preparing or has prepared environmental documentation. As noted in Attachment C, the SCAQMD continued working on the CEQA documents for five active projects during December.

Attachments

- A. Incoming CEQA Documents Log
- B. Ongoing Active Projects for Which SCAQMD Has or Will Conduct a CEQA Review
- C. Active SCAQMD Lead Agency Projects

ATTACHMENT A*

INCOMING CEQA DOCUMENTS LOG

December 01, 2017 to December 31, 2017

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Warehouse & Distribution Centers LAC171201-01 ENV-2017-1015: 15116-15216 S. Vermont Ave. & 747-761 W. Redondo Beach Blvd.	The proposed project consists of construction of a 466,402-square-foot warehouse on 697,271 square feet. The project is located on the northwest corner of Orchard Avenue and Redondo Beach Boulevard. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-15116vermontave-121917.pdf Comment Period: 11/30/2017 - 1/2/2018 Public Hearing: N/A	Mitigated Negative Declaration	City of Los Angeles	SCAQMD staff commented on 12/19/2017
Warehouse & Distribution Centers LAC171221-02 Telegraph Commerce Center Precise Plan of Design No. 541 and Minor Variance No. 748	The proposed project consists of demolition of 78,402 square feet of industrial buildings and construction of a 120,126-square-foot distribution center on 6.48 acres. The project is located at 7875 Telegraph Road near the northeast corner of Telegraph Road and Industry Avenue. Comment Period: 11/20/2017 - 1/10/2018 Public Hearing: N/A	Mitigated Negative Declaration	City of Pico Rivera	Document reviewed - No comments sent
Warehouse & Distribution Centers RVC171206-02 Brodiaea Commerce Center (Plot Plan PEN17-0143, Change of Zone PEN17- 0144)	This document extends the public review period from December 13, 2017 to January 5, 2018 for the proposed project. The proposed project consists of construction of a 262,398-square-foot warehouse on 11.8 acres. The project is located on the northwest corner of Heacock Street and Brodiaea Avenue. Reference RVC171115-02 Comment Period: 11/13/2017 - 1/5/2018 Public Hearing: N/A	Extension of Time	City of Moreno Valley	Document reviewed - No comments sent
Warehouse & Distribution Centers RVC171220-02 Smith Ranch Self-Storage Project	The proposed project consists of construction of a 166,411-square-foot storage facility and two offices totaling 5,987 square feet on 9.75 acres. The project is located on the southwest corner of Clinton Keith Road and Smith Ranch Road. Reference LAC150925-02 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-smithranch-122117.pdf Comment Period: 12/20/2017 - 1/18/2018 Public Hearing: 2/21/2018	Mitigated Negative Declaration	City of Wildomar	SCAQMD staff commented on 12/21/2017

*Sorted by Land Use Type (in order of land uses most commonly associated with air quality impacts), followed by County, then date received.

- Project has potential environmental justice concerns due to the nature and/or location of the project.

Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT A
INCOMING CEQA DOCUMENTS LOG
December 01, 2017 to December 31, 2017

<u>SCAQMD LOG-IN NUMBER</u>	<u>PROJECT DESCRIPTION</u>	<u>TYPE OF DOC.</u>	<u>LEAD AGENCY</u>	<u>COMMENT STATUS</u>
PROJECT TITLE				
Warehouse & Distribution Centers SBC171205-01 Center Street Industrial Development	The proposed project consists of construction of a 236,512-square-foot warehouse on 12.4 acres. The project is located near the northeast corner of Main Street and Pellisier Road. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-centerstreet-122117.pdf Comment Period: 12/4/2017 - 12/26/2017 Public Hearing: N/A	Mitigated Negative Declaration	City of Colton	SCAQMD staff commented on 12/21/2017
Warehouse & Distribution Centers SBC171208-02 Waterman East Distribution Center	The proposed project consists of demolition of two buildings and construction of a 197,942-square-foot warehouse on 8.9 acres. The project is located at 886 and 888 South Foisy Street near the southeast corner of Central Avenue and Waterman Avenue. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-watermaneast-122917.pdf Comment Period: 12/8/2017 - 12/28/2017 Public Hearing: N/A	Mitigated Negative Declaration	City of San Bernardino	SCAQMD staff commented on 12/29/2017
Warehouse & Distribution Centers SBC171208-03 Waterman South Distribution Center	The proposed project consists of demolition of 11 buildings and construction of a 393,199-square-foot warehouse on 16.5 acres. The project is located at 1004 South Waterman Avenue on the northwest corner of East Ennis Street and Waterman Avenue. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-watermansouth-122917.pdf Comment Period: 12/8/2017 - 12/28/2017 Public Hearing: N/A	Mitigated Negative Declaration	City of San Bernardino	SCAQMD staff commented on 12/29/2017
Warehouse & Distribution Centers SBC171212-02 Southwest Fontana Logistics Center	The proposed project consists of construction of two warehouses totaling 1,628,936 square feet on 73.3 acres. The project will also preserve 17.5 acres of open space. The project is located on the southeast corner of Santa Ana Avenue and Oleander Avenue. Reference SBC171128-03, SBC170905-02 and SBC160923-01 Comment Period: N/A Public Hearing: 12/19/2017	Notice of Public Hearing	City of Fontana	Document reviewed - No comments sent

- Project has potential environmental justice concerns due to the nature and/or location of the project. Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

**ATTACHMENT A
INCOMING CEQA DOCUMENTS LOG
December 01, 2017 to December 31, 2017**

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Airports</i> LAC171207-04 Los Angeles International Airport United Airlines East Aircraft Maintenance and Ground Support Equipment Project	The proposed project consists of demolition of existing structures and construction of a 411,000-square-foot aircraft maintenance and ground support equipment facility on 37 acres. The project is located at 6000-6016 and 6020-6024 Avion Drive near the southwest corner of Airport Boulevard and West Century Boulevard. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/noplaxunitedairlines-010518.pdf Comment Period: 12/7/2017 - 1/8/2018 Public Hearing: 12/19/2017	Notice of Preparation	Los Angeles World Airports	SCAQMD staff commented on 1/5/2018
<i>Industrial and Commercial</i> LAC171201-13 8775 Sunset Boulevard Billboard Project	This document extends the public review period from November 30, 2017 to December 5, 2017 for the proposed project. The proposed project consists of demolition of existing billboard and five surface parking spaces, and installation of a billboard structure of 71 feet in height on one acre. The project is located on the northeast corner of Horn Avenue and Sunset Boulevard. Reference LAC171110-10 Comment Period: 11/9/2017 - 12/5/2017 Public Hearing: N/A	Extension of Time	City of West Hollywood	Document reviewed - No comments sent
<i>Industrial and Commercial</i> LAC171212-01 2300 Redondo Avenue Project	The proposed project consists of demolition of existing facility and construction of three industrial buildings totaling 427,565 square feet on 19.09 acres. The project is located on the southeast corner of East Burnett Street and Redondo Avenue. Comment Period: 12/12/2017 - 1/12/2018 Public Hearing: N/A	Mitigated Negative Declaration	City of Long Beach	Document reviewed - No comments sent
<i>Industrial and Commercial</i> LAC171213-01 Berth 240 Transportation Vessels Manufacturing Facility	The proposed project consists of demolition of a 9,150-square-foot structure and construction of a 203,450-square-foot industrial manufacturing facility on 10 acres. The project is located near the southwest corner of Terminal Way and Seaside Avenue. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/mndberth240-010518.pdf Comment Period: 12/8/2017 - 1/8/2018 Public Hearing: N/A	Mitigated Negative Declaration	Port of Los Angeles	SCAQMD staff commented on 1/5/2018

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT A
INCOMING CEQA DOCUMENTS LOG
December 01, 2017 to December 31, 2017

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Industrial and Commercial LAC171220-03 The Culver Studios Innovation Plan - Comprehensive Plan Amendment No. 7	The proposed project consists of demolition of buildings totaling 236,293 square feet, and construction of a new building and two parking structures totaling 649,420 square feet on 14.3 acres. The project is located at 9336 Washington Boulevard on the southwest corner of Washington Boulevard and Ince Boulevard. Reference LAC170926-11, LAC170926-06 and LAC161117-06 Comment Period: N/A Public Hearing: 1/8/2018	Notice of Public Hearing	City of Culver City	Document reviewed - No comments sent
Industrial and Commercial LAC171222-07 Trident Center Modernization Project	The proposed project consists of construction of 115,000 square feet of office space and 5,000 square feet of restaurant uses on 3.6 acres. The project is located at 11355 and 11377 West Olympic Boulevard on the northwest corner of Corinth Avenue and Olympic Boulevard in the community of West Los Angeles. Reference LAC170201-09 Comment Period: 12/21/2017 - 2/5/2018 Public Hearing: N/A	Draft Environmental Impact Report	City of Los Angeles	Document reviewed - No comments sent
Industrial and Commercial LAC171226-01 Northrop Grumman Lab Expansion Project	The proposed project consists of demolition of 3,525 square feet of building space and construction of five laboratory buildings and a lobby totaling 150,500 square feet on 13 acres. The project is located on the northeast corner of Space Park Boulevard and Mettler Drive. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/mndnorthrop-010518.pdf Comment Period: 12/21/2017 - 1/10/2018 Public Hearing: 1/18/2018	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Redondo Beach	SCAQMD staff commented on 1/5/2018
Waste and Water-related LAC171201-04 PV Peninsula Water Reliability Project (PA-29-16)	The proposed project consists of construction of pump station and replacement of seven miles of underground potable water pipeline. The project is located on the northeast corner of Crenshaw Boulevard and Crest Road in portions of the Cities of Rolling Hills Estates and Rancho Palos Verdes. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/mndpvpeninsula-010218.pdf Comment Period: 11/30/2017 - 1/8/2018 Public Hearing: N/A	Mitigated Negative Declaration	City of Rolling Hills Estates	SCAQMD staff commented on 1/2/2018

- Project has potential environmental justice concerns due to the nature and/or location of the project. Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

December 01, 2017 to December 31, 2017

<u>SCAQMD LOG-IN NUMBER</u>	<u>PROJECT DESCRIPTION</u>	<u>TYPE OF DOC.</u>	<u>LEAD AGENCY</u>	<u>COMMENT STATUS</u>
PROJECT TITLE				
Waste and Water-related	The proposed project consists of demolition of existing reservoir, and construction of a pump station and two concrete storage tanks with combined storage capacity of 20 million gallons of water. The project also includes installation of 2,500 linear feet of new pipelines. The project is located at 11200 De Soto Avenue near the northeast corner of De Soto Avenue and Rinaldi Street in the community of Chatsworth. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-desototanks-122717.pdf	Notice of Preparation	Los Angeles Department of Water and Power	SCAQMD staff commented on 12/27/2017
LAC171205-06 De Soto Tanks Project	Comment Period: 12/1/2017 - 1/31/2018 Public Hearing: 1/17/2018			
Waste and Water-related	The proposed project consists of modifications to the 2005 Environmental Impact Report to remove water from a 17.8-mile pipeline. The project is located between Castaic Lake Dam and the Joseph Jensen Water Treatment Plant in the community of Valencia. Reference LAC111027-05 and LAC110823-03	Draft Supplemental Environmental Impact Report	Metropolitan Water District of Southern California	Document reviewed - No comments sent
LAC171206-05 Foothill Feeder Repair and Future Inspection Project	Comment Period: 12/5/2017 - 1/18/2018 Public Hearing: N/A			
Waste and Water-related	The proposed project consists of demolition of existing digester, and construction of a food waste facility, biogas pipelines, and additional flares on 220 acres. The project would also include expansion of biogas conditioning system and compressed natural gas fueling station. The project is located on the northeast corner of West Lomitas Boulevard and Interstate 110 in the City of Carson. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/mndfoodwaste-010418.pdf	Mitigated Negative Declaration	Sanitation Districts of Los Angeles County	SCAQMD staff commented on 1/4/2018
LAC171208-05 Food Waste Receiving and Digestion Program at the Joint Water Pollution Control Plant	Comment Period: 12/8/2017 - 1/7/2018 Public Hearing: N/A			
Waste and Water-related	The proposed project consists of diversion and treatment of runoff, replacement of potable water deliveries to recycled water deliveries, installation of an 18-inch underground sewer pipeline, and development of water quality improvements and long-term solution to erosion on 4.3 acres. The project is located on the southwest corner of South Saint Louis Street and East 4th Street in the community of Boyle Heights. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/nophollenbeckpark-011618.pdf	Notice of Preparation	City of Los Angeles	SCAQMD staff commented on 1/16/2018
LAC171214-03 Hollenbeck Park Lake Rehabilitation and Stormwater Management Project	Comment Period: 12/14/2017 - 1/18/2018 Public Hearing: 1/11/2018			

- Project has potential environmental justice concerns due to the nature and/or location of the project.

Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT A
INCOMING CEQA DOCUMENTS LOG
December 01, 2017 to December 31, 2017

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Waste and Water-related</i> LAC171214-05 United Rock Quarry No. 3 Project/Buena Vista Sediment Placement Site (SPS)	The proposed project consists of improvements to United Rock Quarry No. 3 to be as a permanent sediment placement location. The project is located at 1137 Meridian Street near the northeast corner of Meridian Street and Bateman Avenue in the City of Irwindale. Reference LAC160513-01 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/deirunitedrock-010518.pdf Comment Period: 12/14/2017 - 1/29/2018 Public Hearing: N/A	Draft Environmental Impact Report	Los Angeles County Flood Control District	SCAQMD staff commented on 1/5/2018
<i>Waste and Water-related</i> LAC171222-01 Franklin D. Roosevelt Park Regional Stormwater Capture Project	The proposed project consists of construction of three stormwater diversion structures and pipelines on 24.34 acres. The project is located at 7600 Graham Avenue near the southwest corner of Holmes Avenue and East 74th Street in the community of Florence-Firestone. Comment Period: 12/21/2017 - 1/20/2018 Public Hearing: N/A	Mitigated Negative Declaration	County of Los Angeles	Document reviewed - No comments sent
<i>Waste and Water-related</i> ORC171205-03 Sunset Gap Monitoring Wells BS13, BS24 and Bolsa Chica Channel Levee Repair Project	The proposed project consists of construction of 11 underground monitoring wells and repairs to existing levee. The project is located at 800 Seal Beach Blvd on the southeast corner of Seal Beach Boulevard and Forrestal Lane in the City of Seal Beach. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-sunsetgapmonitoring-122717.pdf Comment Period: 12/4/2017 - 1/2/2018 Public Hearing: 1/10/2018	Mitigated Negative Declaration	Orange County Water District	SCAQMD staff commented on 12/27/2017
<i>Waste and Water-related</i> ORC171222-02 South Basin Additional Groundwater Monitoring Program SAM-12 Monitoring Well Project	The proposed project consists of construction of two groundwater monitoring wells at two locations: 1) 1241 E. Dyer Road and 2) 2620 Hotel Terrace Drive. The project is located near the northeast corner of Tech Center Drive and Birtcher Place within the City of Santa Ana. Comment Period: 12/22/2017 - 1/21/2018 Public Hearing: 2/14/2018	Mitigated Negative Declaration	Orange County Water District	Document reviewed - No comments sent

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Waste and Water-related ORC171222-08 Installation Restoration Program Site 1 - Former Marine Corps Air Station El Toro Irvine, CA	The proposed project consists of implementation of removal action to clean up potential presence of munitions in the soil on a 20-acre portion of 56 acres. The project is located near the southeast corner of State Route 133 and Interstate 5 within the City of Irvine, Orange County. Comment Period: N/A Public Hearing: N/A	Community Notice	United States Department of the Navy	Document reviewed - No comments sent
Waste and Water-related ORC171228-04 San Juan Watershed Project	The proposed project consists of construction of rubber dams, water conveyance pipelines, groundwater extraction wells, and additional upgrades to existing facilities. The project is located near the northeast corner of Antonio Parkway and State Route 74 within the cities of San Juan Capistrano and Dana Point in Orange County. Reference ORC161223-03 Comment Period: 12/21/2017 - 2/23/2018 Public Hearing: 1/30/2018	Notice of Availability of a Draft Program Environmental Impact Report	Santa Margarita Water District	Document reviewed - No comments sent
Waste and Water-related RVC171212-05 Land Acquisition and Site Improvement Project at the Lamb Canyon Landfill	The proposed project consists of acquisition of 70 acres of land adjacent to the Lamb Canyon Landfill. The project would also include drainage improvements, dirt management, and monitoring. The project is located at 16411 Lamb Canyon Road near the southwest corner of Beaumont Avenue and East First Street in the City of Beaumont. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/mndlambcanyon-011118.pdf Comment Period: 12/11/2017 - 1/11/2018 Public Hearing: 2/6/2018	Mitigated Negative Declaration	County of Riverside	SCAQMD staff commented on 1/11/2018
Waste and Water-related SBC171208-04 Fontana Water Tanks and Retail	The proposed project consists of demolition of existing 4.14-million-gallon water storage tank, and construction of two new water tanks and 104,544 square feet of retail space on 10.1 acres. The project is located on the southwest corner of Summit Avenue and Citrus Avenue. Comment Period: 12/8/2017 - 1/21/2018 Public Hearing: 12/19/2017	Notice of Availability of a Draft Environmental Impact Report	City of Fontana	Document reviewed - No comments sent

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<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Utilities</i> LAC171201-07 Southern California Edison Transmission Line Replacement	The proposed project consists of replacement of a series of transmission towers across the Cerritos Channel and improvements to an existing 66-kilovolt (kV) sub-transmission line, a 12-kV distribution line, and a fiber wrap. The project will also include removal of a 220-kV distribution line. The project is located at Piers A and S across the Cerritos Channel. Reference LAC170725-05 and LAC161025-09 Comment Period: N/A Public Hearing: 12/11/2017	Response to Comments	Port of Long Beach	Document reviewed - No comments sent
<i>Transportation</i> LAC171205-13 I-710 Corridor Project	This document includes a summary of public comments on the Recirculated Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement for the proposed project. The proposed project consists of two new alternatives that were developed in response to public comments on the 2012 Draft EIS/EIR. The new alternatives would include a zero emission and near zero emission truck deployment program, expanded transit services, and a community health benefit program. The project is located along Interstate 710 between Ocean Boulevard and State Route 60 in the County of Los Angeles. Reference LAC170914-06, LAC170721-01, LAC150625-10, LAC151013-01, LAC130326-01, LAC120626-01, LAC110429-01, LAC110426-02, LAC110325-03 and LAC100831-06 Comment Period: N/A Public Hearing: N/A	Community Notice	California Department of Transportation	Document reviewed - No comments sent
<i>Transportation</i> LAC171212-04 Santa Monica Pier Bridge Replacement Project	The proposed project consists of development of three alternatives to improve structural stability of the Pier Bridge. Alternatives One and Two would include demolition of existing bridge and construction of a wider bridge. Alternative Three would include construction of two permanent bridges at Moss Avenue between Appian Way and the Pier. The project is located near the southwest corner of Broadway and Ocean Avenue. Reference LAC141118-07 Comment Period: 12/11/2017 - 2/13/2018 Public Hearing: 1/10/2018	Draft Environmental Impact Report	City of Santa Monica	Document reviewed - No comments sent
<i>Transportation</i> LAC171214-04 East Broadway Complete Streets Improvement Project	The proposed project consists of improvements to a 1.7-mile segment of East Broadway between Alamitos Avenue and Redondo Avenue to include bike lanes. Comment Period: 12/12/2017 - 1/12/2018 Public Hearing: N/A	Mitigated Negative Declaration	City of Long Beach	Document reviewed - No comments sent

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Transportation ORC171201-14 Interstate 405 Improvement Project from Interstate 5 to State Route 55	The proposed project consists of widening an 8.5-mile segment of Interstate 405 with addition of either one or two lanes from Interstate 5 (Post Mile 0.2) to State Route 55 (Post Mile 8.7). The project traverses through the City of Irvine. Comment Period: 11/14/2017 - 12/15/2017 Public Hearing: 12/5/2017	Mitigated Negative Declaration	California Department of Transportation	Document reviewed - No comments sent
Transportation ORC171207-03 La Habra Union Pacific Rail Line Bikeway Project	The proposed project consists of construction of a 2.8-mile bikeway on the existing Union Pacific railroad right-of-way. The project is located near the northeast corner of Wall Street and Wilshire Avenue. Comment Period: 12/1/2017 - 1/2/2018 Public Hearing: 1/22/2018	Mitigated Negative Declaration	City of La Habra	Document reviewed - No comments sent
Transportation RVC171205-04 Interstate 10/Portola Avenue New Interchange Project	The proposed project consists of construction of interchange along Interstate 10 (I-10) between Monterey Avenue and Cook Street. The project will also include construction of bridge over I-10 and the Union Pacific Railroad. The project is located near the northwest corner of Portola Road and Gerald Ford Drive in the City of Palm Desert. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nd-interstate10portola-122717.pdf Comment Period: 12/4/2017 - 1/4/2018 Public Hearing: 12/19/2017	Negative Declaration	California Department of Transportation	SCAQMD staff commented on 12/27/2017

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<u>SCAQMD LOG-IN NUMBER</u>	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
PROJECT TITLE				
<i>Institutional (schools, government, etc.)</i>	This document extends the public review period from December 11, 2017 to December 18, 2017 for the proposed project. The proposed project consists of development of two campuses: the Hillside Campus and the South Campus over 15 years. The Hillside Campus will include construction of two buildings totaling 19,020 square feet and photovoltaic canopies with a maximum height of 20 feet on 155.95 acres. The South Campus will include construction of two student housing buildings with a maximum of 850 beds totaling 240,000 square feet and four administrative buildings totaling 220,000 square feet on 6.68 acres. The Hillside Campus of the project is located at 1700 Lida Street on the southeast corner of Pegfair Lane and Figueroa Street. The South Campus of the project is located on the northeast corner of South Raymond Avenue and East Glenarm Street. Reference LAC171026-02 Comment Period: 10/26/2017 - 12/18/2017 Public Hearing: N/A	Extension of Time	City of Pasadena	Document reviewed - No comments sent
LAC171213-02 ArtCenter College of Design Master Plan				
<i>Institutional (schools, government, etc.)</i>	The proposed project consists of establishment of temporary housing units, installation of campus security and safety equipment, and construction of infrastructure improvements at 13 schools within the Ocean View School District. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-oceanviewschool-122717.pdf Comment Period: 11/29/2017 - 12/28/2017 Public Hearing: 12/20/2017	Notice of Preparation	Ocean View School District of Orange County	SCAQMD staff commented on 12/27/2017
ORC171201-02 Ocean View School District Multiple-Campus Modernization/Interim Housing Project				
<i>Institutional (schools, government, etc.)</i>	The proposed project consists of construction of a 10,587-square-foot school and daycare center with nine classrooms on 59,129 square feet. The project is located on the southwest corner of Picasso Drive and Pomona Rincon Road. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/mndgoddardschool-010518.pdf Comment Period: 12/22/2017 - 1/10/2018 Public Hearing: 1/16/2018	Mitigated Negative Declaration	City of Chino Hills	SCAQMD staff commented on 1/5/2018
SBC171228-02 Goddard School Project (Site Plan Review No. 15SPR02)				

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SCAQMD LOG-IN NUMBER	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
PROJECT TITLE				
Medical Facility	The proposed project consists of demolition of existing parking lot, and construction of a 147,455-square-foot building including a 65,929-square-foot eldercare facility with 137 units and subterranean parking on 0.8 acres. The project is located on the northeast corner of Olympic Boulevard and Gramercy Drive in the community of Wilshire.	Mitigated Negative Declaration	City of Los Angeles	Document reviewed - No comments sent
LAC171221-01 ENV-2017-570: 3377 W. Olympic Blvd. & 974-998 S. Gramercy Dr.				
	Comment Period: 12/21/2017 - 1/10/2018 Public Hearing: N/A			
Retail	The proposed project consists of construction of four commercial buildings with office and retail uses totaling 313,000 square feet on 6.39 acres. The project is located at 2021 Rosecrans Avenue on the northeast corner of Rosecrans Avenue and Village Drive. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/nopthebeachcities-010518.pdf	Notice of Preparation	City of El Segundo	SCAQMD staff commented on 1/5/2018
LAC171212-03 Beach Cities Media Campus Project				
	Comment Period: 12/8/2017 - 1/6/2018 Public Hearing: 12/18/2017			
Retail	The proposed project consists of demolition of existing parking lot and restaurant, and construction of a 105,841-square-foot hotel with 170 rooms and subterranean parking on 0.2 acres. The project is located at 631, 633, and 635 South Spring Street near the northeast corner of 7th Street and Spring Street in the community of Central City. Reference LAC171109-03, LAC170201-05 and LAC 151006-08	Notice of Public Hearing	City of Los Angeles	Document reviewed - No comments sent
LAC171215-01 Spring Street Hotel				
	Comment Period: N/A Public Hearing: 1/9/2018			
General Land Use (residential, etc.)	The proposed project consists of demolition of 285,000 square feet of existing structures, and construction of 311,496 square feet of mixed uses including 1,173 residential units, a hotel with 200 rooms, retail, and subterranean parking on 37.29 acres. The project is located on the northwest corner of Magnolia Boulevard and 3rd Street. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-burbanktowncenter-122717.pdf	Notice of Preparation	City of Burbank	SCAQMD staff commented on 12/27/2017
LAC171201-03 Burbank Town Center				
	Comment Period: 12/6/2017 - 1/5/2017 Public Hearing: 12/13/2017			

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PROJECT TITLE				
<i>General Land Use (residential, etc.)</i>	The proposed project consists of construction of 109 residential units on a 92.1-acre portion of 179.2 acres. The project will also include 69.7 acres of open space and 17.4 acres of road improvements. The project is located near the northeast corner of Pashley Street and Oak Springs Canyon Road. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/revisednop-mancara-122717.pdf Comment Period: 12/4/2017 - 1/12/2018 Public Hearing: N/A	Revised Notice of Preparation	City of Santa Clarita	SCAQMD staff commented on 12/27/2017
LAC171205-05 Mancara Residential Project (Master Case No. 06-349)				
<i>General Land Use (residential, etc.)</i>	The proposed project consists of construction of sports field of 75 feet in width and 112 feet in length on 1.09 acres. The project is located near the northeast corner of Painter Avenue and Los Nietos Road. Comment Period: 11/20/2017 - 12/10/2017 Public Hearing: 12/11/2017	Notice of Public Hearing	City of Santa Fe Springs	Document reviewed - No comments sent
LAC171205-08 Ballmaster Elite Soccer Academy				
<i>General Land Use (residential, etc.)</i>	This document extends the public review period from December 22, 2017 to January 19, 2018 for the proposed project. The proposed project consists of development of three sites. On the first site, the project would include demolition of 44,113 square feet of office buildings, and construction of a 471,000-square-foot office building and a 390,000-square-foot parking structure on 2.5 acres. On the second site, the project would include demolition of a 52,000-square-foot office building, conversion of a 154,793-square-foot mental health building to a residential building with 172 units, and construction of a 116,324-square-foot parking structure on one acre. On the third site, the project would include demolition of a 29,292-square-foot office building, and construction of a 80,837-square-foot residential building with 72 units, a 13,200-square-foot community center, and subterranean parking on 0.5 acres. The project is located on the northeast corner of South Vermont Avenue and West 6th Street in the community of Wilshire. Reference LAC171110-09 and LAC170505-05 Comment Period: 11/3/2017 - 1/19/2018 Public Hearing: N/A	Extension of Time	County of Los Angeles	Document reviewed - No comments sent
LAC171205-10 Vermont Corridor Project				

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SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>General Land Use (residential, etc.)</i> LAC171206-03 Hidden Creeks Estates (ENV-2005-6657-EIR)	This document extends the public review period from December 26, 2017 to January 10, 2018 for the proposed project. The proposed project consists of construction of 188 residential units on a 109-acre portion of 285 acres. The project will also preserve 131.5 acres of open space. The project is located at 12100 Browns Canyon Road near the northeast corner of Browns Canyon Road and Santini Lane in the community of Chatsworth-Porter Ranch. Reference LAC171109-04 Comment Period: 11/9/2017 - 1/10/2018 Public Hearing: N/A	Extension of Time	City of Los Angeles	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> LAC171206-04 The Elysian Park Lofts (ENV-2016-4046-EIR)	This document extends the public review period from December 8, 2017 to January 31, 2018 for the proposed project. The proposed project consists of demolition of 22,690 square feet of existing buildings and construction of new buildings totaling 1,159,800 square feet with 920 residential units on 8.08 acres. The project will also preserve 3.24 acres of open space. The project is located at 1030-1380 North Broadway and 1251 North Spring Street on the southwest corner of North Broadway and Elysian Park Drive in the community of Central City North. Reference LAC171110-06 Comment Period: 11/6/2017 - 1/31/2018 Public Hearing: N/A	Extension of Time	City of Los Angeles	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> LAC171207-01 ENV-2016-4127: 1048, 1054 & 1060 S. Oxford Ave. (3127-3133 W. 11th St. & 1056 S. Oxford Ave.)	The proposed project consists of demolition of existing buildings and construction of a seven-story building with 49 residential units and subterranean parking on 19,733 square feet. The project is located on the northeast corner of Oxford Avenue and 11th Street in the community of Wilshire. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-1060soxfordave-121917.pdf Comment Period: 12/7/2017 - 12/27/2017 Public Hearing: N/A	Mitigated Negative Declaration	City of Los Angeles	SCAQMD staff commented on 12/19/2017
<i>General Land Use (residential, etc.)</i> LAC171207-02 Pinnacle 360 (ENV-2015-3940: 235 N. Hoover St., 3411, 3419, 3425, 3433, 3441 W. Council St. & 234 N. Commonwealth Pl.)	The proposed project consists of construction of a five-story building with 221 residential units and subterranean parking on 130,859 square feet. The project is located on the northwest corner of Hoover Street and Council Street in the community of Wilshire. Comment Period: 12/7/2017 - 1/8/2018 Public Hearing: N/A	Mitigated Negative Declaration	City of Los Angeles	Document reviewed - No comments sent

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PROJECT TITLE				
<i>General Land Use (residential, etc.)</i>	The proposed project consists of demolition of four buildings totaling 34,673 square feet, and construction of a 751,777-square-foot building with 794 residential units, 100,652 square feet of open space, and subterranean parking on 41,603 square feet. The project is located on the northwest corner of West 11st Street and South Olive Street in the community of Central City.	Notice of Preparation	City of Los Angeles	SCAQMD staff commented on 1/16/2018
LAC171221-03 1045 Olive Project (ENV-2016-4630-EIR)	http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/nop1045olive-011618.pdf Comment Period: 12/21/2017 - 1/19/2018 Public Hearing: 1/10/2018			
<i>General Land Use (residential, etc.)</i>	The proposed project consists of demolition of an 80,736-square-foot warehouse and construction of a 584,760-square-foot development with 600 residential/work units on 2.24 acres. The project is located at 520, 524, 528, and 532 South Mateo Street, and 1310 East 4th Place on the southeast corner of Mateo Street and 4th Place in the community of Central City North.	Notice of Availability of a Draft Environmental Impact Report	City of Los Angeles	Document reviewed - No comments sent
LAC171222-06 520 Mateo (ENV-2016-1795-EIR)	 Comment Period: 12/21/2017 - 2/6/2018 Public Hearing: N/A			
<i>General Land Use (residential, etc.)</i>	This document extends the public review period from January 4, 2018 to January 18, 2018 for the proposed project. The proposed project consists of construction of 110 residential units on 11.58 acres. The project is located on the southwest corner of West Lexington Avenue and South White Avenue. Reference LAC171118-01 and LAC161209-03	Extension of Time	City of Pomona	Document reviewed - No comments sent
LAC171228-03 Rio Rancho III Residential Project	 Comment Period: 11/20/2017 - 1/18/2018 Public Hearing: N/A			
<i>General Land Use (residential, etc.)</i>	The proposed project consists of construction of 1,750 residential units and amenities on 270 acres. The project is located near the southeast corner of Ridge Park Drive and Rancho California Road. Reference RVC171108-09, RVC160920-11, RVC160802-07, RVC160503-07, and RVC141107-07	Notice of Public Hearing		Document reviewed - No comments sent
RVC171201-11 Altair Specific Plan (Formerly "Village West")	 Comment Period: N/A Public Hearing: 12/12/2017			

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<i>General Land Use (residential, etc.)</i> RVC171201-12 Change of Zone No. 7901 and Tentative Tract Map No. 36644	The proposed project consists of subdivision of 12.9 acres for future development of 35 residential units. The project is located near the northwest corner of Anza Road and Butterfield Stage Road in the community of Temecula. Reference RVC170906-01, RVC160419-10 Comment Period: N/A Public Hearing: 12/12/2017	Notice of Public Hearing	County of Riverside	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> RVC171205-02 Tentative Tract Map No. 37450 (TR 2017-386 and CZ 2017-388)	The proposed project consists of subdivision of 10.27 acres for future development of 29 residential units and construction of a 13,109-square-foot water basin. The project is located on the southwest corner of Garbani Road and Sherman Road. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/sp-ttm37450-121917.pdf Comment Period: 12/5/2017 - 12/20/2017 Public Hearing: N/A	Site Plan	City of Menifee	SCAQMD staff commented on 12/19/2017
<i>General Land Use (residential, etc.)</i> RVC171226-02 17-TM-02, TM 27357	The proposed project consists of construction of 309 residential units on 106.6 acres. The project is located on the southwest corner of Elm Avenue and Oak Valley Parkway. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/sp17tm02-010518.pdf Comment Period: 12/21/2017 - 1/11/2018 Public Hearing: N/A	Site Plan	City of Beaumont	SCAQMD staff commented on 1/5/2018
<i>General Land Use (residential, etc.)</i> RVC171226-03 Tentative Tract Map No. 37434 - EA 43092	The proposed project consists of subdivision of 214.7 acres for future development of 600 residential units. The project is located on the northeast corner of Jack Ivey Drive and Varner Road in the community of Western Coachella Valley. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/spttm37434-010218.pdf Comment Period: 12/11/2017 - 1/4/2018 Public Hearing: N/A	Site Plan	County of Riverside	SCAQMD staff commented on 1/2/2018

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SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>General Land Use (residential, etc.)</i> SBC171205-11 Pepper Avenue Specific Plan	The proposed project consists of construction of 275 residential units, 462,000 square feet of retail use, 125,000 square feet of business park, 13.7 acres of water facilities, and a pedestrian bridge connecting the project to Frisbie Park on 101.7 acres. The project will also preserve 30 acres of habitat. The project is located near the northeast corner of Walnut Avenue and Eucalyptus Avenue. Reference SBC171102-03, SBC171101-08, SBC170310-01, and SBC160126-05 Comment Period: N/A Public Hearing: 12/12/2017	Notice of Public Hearing	City of Rialto	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> SBC171215-04 The Gateway Specific Plan	The proposed project consists of construction of 877,538 square feet of buildings with 748 residential units on 131.7 acres. The project is located on the northeast corner of West Main Street and Transit Avenue. Comment Period: 12/12/2017 - 1/3/2018 Public Hearing: N/A	Specific Plan	City of Grand Terrace	Document reviewed - No comments sent
<i>Plans and Regulations</i> ALL171205-07 Innovative Clean Transit Regulation	The proposed project consists of development of statewide bus purchase strategies to transition public transit buses to zero and near-zero technologies by 2040. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-innovativeclean-122717.pdf Comment Period: 12/4/2017 - 1/3/2018 Public Hearing: N/A	Notice of Preparation	California Air Resources Board	SCAQMD staff commented on 12/27/2017
<i>Plans and Regulations</i> ALL171208-01 DPH-16-013 Posting of Radiologic Technology Act Authorizing Documents	The proposed project consists of amendments to Section 30305 of the Radiologic Technology Act to require medical X-ray facilities to post certificates and permits of personnel. Comment Period: N/A Public Hearing: N/A	Community Notice	California Department of Public Health	Document does not require comments

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<i>Plans and Regulations</i> LAC171201-09 ENV-2017-3137: Citywide - Permanent Supportive Housing	The proposed project consists of amendments to the Land Use Element of the City's General Plan and Municipal Code to facilitate development of permanent supportive housing units. Comment Period: 11/30/2017 - 12/20/2017 Public Hearing: N/A	Mitigated Negative Declaration	City of Los Angeles	Document reviewed - No comments sent
<i>Plans and Regulations</i> LAC171201-10 ENV-2017-3410: Citywide - Interim Motel Conversion	The proposed project consists of amendment to the City's Municipal Code to establish regulations to facilitate use of existing hotels and motels for supportive housing and transitional housing. Comment Period: 11/30/2017 - 12/20/2017 Public Hearing: N/A	Negative Declaration	City of Los Angeles	Document reviewed - No comments sent
<i>Plans and Regulations</i> LAC171205-12 Issuance of Revenue Bonds by the California Municipal Finance Authority	The proposed project consists of issuance of multifamily housing revenue bonds in one or more series in an amount not to exceed 55 million. Comment Period: N/A Public Hearing: 12/14/2017	Notice of Public Hearing	City of Santa Fe Springs	Document does not require comments
<i>Plans and Regulations</i> LAC171219-01 Local Coastal Program Amendment No. 17-001, General Plan Amendment No. 17-001, and Zoning Map Amendment No. 17-003	The proposed project consists of correction to land use and zoning designation from Public Open Space to Commercial Visitor Serving-Two (CV-2) for Assessor Parcel Map Number (APN) 452-005-029, and correction to land use and zoning designation from Single-Family Medium to CV-2 for APN 4452-005-031. Comment Period: N/A Public Hearing: 1/10/2018	Notice of Public Hearing	City of Malibu	Document does not require comments

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT A
INCOMING CEQA DOCUMENTS LOG
December 01, 2017 to December 31, 2017

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Plans and Regulations LAC171220-01 Long Beach Tattoo Parlor Zoning Code Amendment - Application No. 1712-10	The proposed project consists of amendment to City's zoning code to include development standards and zoning clearance process regarding tattoo parlors. Comment Period: 12/18/2017 - 1/18/2018 Public Hearing: N/A	Notice of Intent to Adopt a Negative Declaration	City of Long Beach	Document reviewed - No comments sent
Plans and Regulations LAC171222-04 Long Beach Massage Establishment Zoning Code Amendment - Application No. 1705-04	The proposed project consists of amendment to City's zoning code and local coastal program to expand procedural and operating requirements for massage establishments. Comment Period: 12/20/2017 - 1/22/2018 Public Hearing: N/A	Notice of Intent to Adopt a Negative Declaration	City of Long Beach	Document does not require comments
Plans and Regulations LAC171222-05 Long Beach Wireless Telecom Facilities Municipal Code Amendment - Application No. 1712-01	The proposed project consists of amendment to City's municipal code to include development standards regarding wireless telecommunications facilities in the public right-of-way. Comment Period: 12/21/2017 - 1/22/2018 Public Hearing: N/A	Notice of Intent to Adopt a Negative Declaration	City of Long Beach	Document does not require comments
Plans and Regulations ORC171201-15 Zoning Ordinance Amendment 17-1932 and Local Coastal Amendment 17-1933	The proposed project consists of amendment to the City's Municipal Code Chapter 25.17 for the accessory dwelling unit ordinance. Comment Period: N/A Public Hearing: 12/13/2017	Notice of Public Hearing	City of Laguna Beach	Document reviewed - No comments sent

- Project has potential environmental justice concerns due to the nature and/or location of the project. Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT A
INCOMING CEQA DOCUMENTS LOG
December 01, 2017 to December 31, 2017

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Plans and Regulations</i> ORC171205-09 Westminster East Garden Grove Study	The proposed project consists of evaluation of flood control improvements and ecosystem habitat restoration. The project is located in the Westminster Watershed that collects the runoff from portions of the cities of Anaheim, Stanton, Cypress, Garden Grove, Westminster, Fountain Valley, Los Alamitos, Seal Beach, and Huntington Beach. Comment Period: 11/30/2017 - 12/30/2017 Public Hearing: N/A	Community Notice	United States Army Corps of Engineers Chicago District	Document reviewed - No comments sent
<i>Plans and Regulations</i> ORC171215-03 Code Amendment CO-17-01	The proposed project consists of establishment of permitting regulations for accessory dwelling units and amendment to Article 2, Chapters I, IV, V, and VI of Title 13 of the City municipal code. Reference ORC170901-26 Comment Period: N/A Public Hearing: 1/2/2018	Notice of Public Hearing	City of Costa Mesa	Document reviewed - No comments sent
<i>Plans and Regulations</i> RVC171201-08 City of Riverside 2014-2021 Housing Element Update Project	The proposed project consists of updates to the Housing Element of the City's General Plan. The project identifies existing and projected housing needs, establishes housing policies, and develops a housing program to respond to current and future housing needs. Reference RVC170912-15, RVC170901-27 and RVC170413-03 Comment Period: N/A Public Hearing: N/A	Response to Comments	City of Riverside	Document reviewed - No comments sent
<i>Plans and Regulations</i> RVC171215-02 San Jacinto Wildlife Area Land Management Plan Project	The proposed project consists of development of guidance for management of wildlife habitats, species, and protection programs on 20,126 acres. The project is located on the northeast corner of West Contour Road and David Road within the cities of Moreno and Beaumont in Riverside County. Reference RVC160616-01 Comment Period: 12/15/2017 - 1/29/2018 Public Hearing: N/A	Notice of Availability of a Draft Environmental Impact Report	California Department of Fish and Wildlife	Document reviewed - No comments sent

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT B*
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Warehouse & Distribution Centers</i> RVC171115-02 Brodiaea Commerce Center (Plot Plan PEN17-0143, Change of Zone PEN17-0144)	The proposed project consists of construction of a 262,398-square-foot warehouse on 11.8 acres. The project is located on the northwest corner of Heacock Street and Brodiaea Avenue. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-brodiaeacommerce-120517.pdf Comment Period: 11/13/2017 - 1/5/2018 Public Hearing: N/A	Notice of Preparation	City of Moreno Valley	SCAQMD staff commented on 12/5/2017
<i>Warehouse & Distribution Centers</i> RVC171128-09 Agua Mansa Commerce Center - MA16170 (GPA16003, CZ16008, SP16002, and SDP17070)	The proposed project consists of development plans and design guideline standards to allow future development of 4,277,000 square feet of industrial uses, 180,000 square feet of business and retail uses, and 67.7 acres of open space on 292 acres. The project is located at 1500 Rubidoux Boulevard on the southeast corner of El Rivino Road and Rubidoux Boulevard. Reference RVC170705-15, RVC161216-03 and RVC161006-06 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/sp-aguamansacommerce-120817.pdf Comment Period: 11/21/2017 - 12/11/2017 Public Hearing: N/A	Site Plan	City of Jurupa Valley	SCAQMD staff commented on 12/8/2017
<i>Industrial and Commercial</i> LAC171114-02 100 North Crescent Drive Beverly Hills Media Center Project	The proposed project consists of construction of 55,070 square feet of commercial uses and renovation of existing 106,085 square feet of office uses on 1.34 acres. The project is located at 100 North Crescent Drive on the northeast corner of North Crescent Drive and Wilshire Boulevard. Reference LAC170505-01 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/deir-100ncrescentdr-121917.pdf Comment Period: 11/13/2017 - 1/5/2018 Public Hearing: 12/14/2017	Draft Environmental Impact Report	City of Beverly Hills	SCAQMD staff commented on 12/19/2017
<i>Industrial and Commercial</i> LAC171117-06 City Yards Project	The proposed project consists of demolition, removal, and redevelopment of 16 existing buildings totaling 65,348 square feet, and construction of 51,013 square feet of new industrial buildings on 14.2 acres. The project is located at 2500 Michigan Avenue on the southeast corner of Michigan Avenue and 24th Street. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-cityyards-121317.pdf Comment Period: 11/15/2017 - 12/15/2017 Public Hearing: 11/30/2017	Notice of Preparation	City of Santa Monica	SCAQMD staff commented on 12/13/2017

*Sorted by Comment Status, followed by Land Use, then County, then date received.

- Project has potential environmental justice concerns due to the nature and/or location of the project.

ATTACHMENT B
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Waste and Water-related</i> LAC171114-05 Los Angeles County Waterworks District No. 29 Priority Capital Deficiencies Improvements	The proposed project consists of demolition of two water tanks, removal of an existing 34,300-foot underground pipeline, and construction of one tank reservoir and a 6,300-foot underground pipeline on 30,000 acres. The project is located south of the Santa Monica Mountains, west of Topanga Canyon and the City of Los Angeles boundary, east of Ventura County, and north of the Pacific Ocean within the boundaries of the City of Malibu and the community of Topanga. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-prioritycapital-120517.pdf Comment Period: 11/9/2017 - 12/18/2017 Public Hearing: N/A	Notice of Preparation	Los Angeles County Waterworks District	SCAQMD staff commented on 12/5/2017
<i>Waste and Water-related</i> ORC171110-04 Headquarters Complex, Site and Security, and Entrance Realignment Program (Project No. P1-128)	The proposed project consists of demolition of existing buildings and construction of two buildings totaling 152,000 square feet on 114 acres. The project is located on the northwest corner of Ellis Avenue and Pacific Street. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-headquarters-120517.pdf Comment Period: 11/7/2017 - 12/6/2017 Public Hearing: 11/29/2017	Notice of Preparation	Orange County Sanitation District	SCAQMD staff commented on 12/5/2017
<i>Waste and Water-related</i> ORC171118-06 Doheny Ocean Desalination Project	The proposed project consists of construction of an ocean water desalination facility of up to 15 million gallons per day (MGD) of potable drinking water. The project would also include construction of subsurface intake wells of up to 5 MGD and underground electric line extensions. The project is located on the northwest corner of Camino Capistrano and Coast Highway in the City of Dana Point. Reference ORC160315-01 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/amendednop-dohenyocean-121317.pdf Comment Period: 11/17/2017 - 12/18/2017 Public Hearing: 12/7/2017	Amended Notice of Preparation	South Coast Water District	SCAQMD staff commented on 12/13/2017
<i>Utilities</i> SBC171122-05 Rialto Bioenergy Facility Project	The proposed project consists of production of 13.38 megawatts (MW) in equivalent electricity of renewable energy on 6.2 acres. The project is located at 503 East Santa Ana Avenue near the southeast corner of South Riverside Avenue and East Santa Ana Avenue. Reference SBC170907-06 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/deirrialtobioenergy-010318.pdf Comment Period: 11/16/2017 - 1/5/2018 Public Hearing: N/A	Draft Environmental Impact Report	City of Rialto	SCAQMD staff commented on 1/3/2018

- Project has potential environmental justice concerns due to the nature and/or location of the project.

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<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Transportation ORC171122-01 State Route 73 MacArthur Boulevard Southbound Off-Ramp Improvement Project	The proposed project consists of widening of the southbound State Route 73 off ramp to MacArthur Boulevard from one lane to two lanes. The project is located near the northeast corner of Bison Avenue and MacArthur Boulevard in the City of Newport Beach, Orange County. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-sr73macarthurbldv-122017.pdf Comment Period: 11/22/2017 - 12/23/2017 Public Hearing: N/A	Mitigated Negative Declaration	California Department of Transportation	SCAQMD staff commented on 12/20/2017
Institutional (schools, government, etc.) LAC171019-02 Los Angeles County Consolidated Correctional Treatment Facility Project (Men's Central Jail Replacement Project)	The proposed project consists of demolition of the existing jail facility and construction of a 2.4 million-square-foot new facility with 3,885 beds on 17.7 acres. The project will also include construction of a parking structure with either 1,500 spaces under Option One or 3,000 spaces under Option Two. The project is located on the northeast corner of North Vignes Street and Bauchet Street in the community of Central City North. Reference LAC150618-14 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/deir-menscentraljail-121217.pdf Comment Period: 10/19/2017 - 12/18/2017 Public Hearing: 10/30/2017	Draft Environmental Impact Report	County of Los Angeles	SCAQMD staff commented on 12/12/2017
Institutional (schools, government, etc.) LAC171026-02 ArtCenter College of Design Master Plan	The proposed project consists of development of two campuses: the Hillside Campus and the South Campus over 15 years. The Hillside Campus will include construction of two buildings totaling 19,020 square feet and photovoltaic canopies with a maximum height of 20 feet on 155.95 acres. The South Campus will include construction of two student housing buildings with a maximum of 850 beds totaling 240,000 square feet and four administrative buildings totaling 220,000 square feet on 6.68 acres. The Hillside Campus of the project is located at 1700 Lida Street on the southeast corner of Pegfair Lane and Figueroa Street. The South Campus of the project is located on the northeast corner of South Raymond Avenue and East Glenarm Street. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/deir-artcentercollege-120517.pdf Comment Period: 10/26/2017 - 12/18/2017 Public Hearing: 11/8/2017	Draft Environmental Impact Report	City of Pasadena	SCAQMD staff commented on 12/5/2017
Institutional (schools, government, etc.) LAC171026-03 LACMA Building for the Permanent Collection	The proposed project consists of demolition of five museum facilities totaling 392,871 square feet and construction of a 387,500-square-foot museum building on 2.5 acres. The project is located on the southeast corner of Wilshire Boulevard and Spaulding Avenue. Reference LAC160804-06 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/deir-lacmabuilding-120517.pdf Comment Period: 10/26/2017 - 12/15/2017 Public Hearing: 11/7/2017	Draft Environmental Impact Report	County of Los Angeles	SCAQMD staff commented on 12/5/2017

- Project has potential environmental justice concerns due to the nature and/or location of the project.

ATTACHMENT B
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
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<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Medical Facility LAC171114-08 Oakmont Agoura Hills Project (CUP-01358-2017, SIGN-01361-2017, and OAK-01360-2017)	The proposed project consists of construction of a 71,020-square-foot elder care facility with 75 units on 5.7 acres. The project is located at 29353 Canwood Street on the northwest corner of Canwood Street and Kanan Road. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-oakmontagourahills-121417.pdf Comment Period: 11/16/2017 - 12/18/2017 Public Hearing: N/A	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Agoura Hills	SCAQMD staff commented on 12/14/2017
Medical Facility LAC171116-04 City of Hope Campus Plan (General Plan Amendment & Zone Change 15-01)	The proposed project consists of demolition of 387,500 square feet of existing buildings and construction of 1,426,000 square feet of new buildings on 116 acres. The project is located on the southeast corner of Duarte Road and Cinco Robles Drive. Reference LAC151016-02 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/deircityofhope-010418.pdf Comment Period: 11/15/2017 - 1/4/2018 Public Hearing: 12/6/2017	Draft Environmental Impact Report	City of Duarte	SCAQMD staff commented on 1/4/2018
Retail SBC171110-05 Hotel & Casino Expansion Project	The proposed project consists of construction of 795,000 square feet of entertainment and hospitality facilities on 70 acres. The project is located on the northwest corner of East Lynwood Drive and North Victoria Avenue within and adjacent to the existing San Manuel Casino on the Tribe's Reservation. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-hotelandcasino-120517.pdf Comment Period: 11/7/2017 - 12/7/2017 Public Hearing: N/A	Notice of Preparation	San Manuel Band of Mission Indians	SCAQMD staff commented on 12/5/2017
Retail SBC171117-04 Greenspot Connection - Conditional Use Permit (CUP-17-003), Design Review Application (DRA-17-006) and Tentative Parcel Map (17-002)	The proposed project consists of construction of a 3,500-square-foot convenience store and a gasoline station with six fueling pumps on 1.51 acres. The project is located at 28099 Greenspot Road near the southwest corner of Greenspot Road and Boulder Avenue. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/sp-greenspotconnection-120517.pdf Comment Period: 11/13/2017 - 11/27/2017 Public Hearing: N/A	Site Plan	City of Highland	SCAQMD staff commented on 12/5/2017

- Project has potential environmental justice concerns due to the nature and/or location of the project.

ATTACHMENT B
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>General Land Use (residential, etc.)</i> LAC171109-04 Hidden Creeks Estates (ENV-2005-6657-EIR)	The proposed project consists of construction of 188 residential units on a 109-acre portion of 285 acres. The project will also preserve 131.5 acres of open space. The project is located at 12100 Browns Canyon Road near the northeast corner of Browns Canyon Road and Santini Lane in the community of Chatsworth-Porter Ranch. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2018/deirhiddencreeks-010918.pdf Comment Period: 11/9/2017 - 1/10/2018 Public Hearing: N/A	Revised Draft Environmental Impact Report	City of Los Angeles	SCAQMD staff commented on 1/9/2018
<i>General Land Use (residential, etc.)</i> LAC171110-06 The Elysian Park Lofts (ENV-2016-4046-EIR)	The proposed project consists of demolition of 22,690 square feet of existing buildings and construction of new buildings totaling 1,159,800 square feet with 920 residential units on 8.08 acres. The project will also preserve 3.24 acres of open space. The project is located at 1030-1380 North Broadway and 1251 North Spring Street on the southwest corner of North Broadway and Elysian Park Drive in the community of Central City North. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-elysianparklofts-120517.pdf Comment Period: 11/6/2017 - 1/31/2018 Public Hearing: 11/14/2017	Notice of Preparation	City of Los Angeles	SCAQMD staff commented on 12/5/2017
<i>General Land Use (residential, etc.)</i> LAC171118-01 Rio Rancho III Residential Project	The proposed project consists of construction of 110 residential units on 11.58 acres. The project is located on the southwest corner of West Lexington Avenue and South White Avenue. Reference LAC161209-03 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/deir-rioranchoiii-residential-122017.pdf Comment Period: 11/20/2017 - 1/18/2018 Public Hearing: N/A	Draft Environmental Impact Report	City of Pomona	SCAQMD staff commented on 12/20/2017
<i>General Land Use (residential, etc.)</i> RVC171116-03 Fleming Ranch (Specific Plan No. 2017-187)	The proposed project consists of construction of 1,080 residential units, 27.5 acres of water quality basins, 20.4 acres of commercial uses, 36.6 acres of street improvements, and 12.9 acres of open space on 331 acres. The project is located near the southeast corner of Rouse Road and Encanto Drive. Reference RVC170901-02 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-flemingranch-120517.pdf Comment Period: 11/14/2017 - 12/14/2017 Public Hearing: 11/30/2017	Notice of Preparation	City of Menifee	SCAQMD staff commented on 12/5/2017
<i>General Land Use (residential, etc.)</i> RVC171116-07 Mill Creek Promenade Specific Plan No. 2016-246	The proposed project consists of construction of 398 residential units on a 34.52-acre portion of 58.5 acres. The project will also include development of 117,208 square feet of commercial uses, 33,288 square feet of industrial park, and 8.03 acres of open space. The project is located on the southwest corner of Garbani Road and Haun Road. Reference RVC170613-05, RVC161115-01 and RVC160308-07 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-millcreekpromenade-120517.pdf Comment Period: 11/14/2017 - 12/14/2017 Public Hearing: 11/28/2017	Notice of Preparation	City of Menifee	SCAQMD staff commented on 12/5/2017

- Project has potential environmental justice concerns due to the nature and/or location of the project.

ATTACHMENT B
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Plans and Regulations</i> ALL171117-01 Zero-Emission Airport Shuttle Bus Regulation	<p>The proposed project consists of establishment of regulations to transition existing in-use internal combustion powered airport shuttle buses to zero-emission vehicles. The project would apply to private and public fixed destination shuttles that serve California's commercial airports.</p> <p>http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-zeroemissionairport-121517.pdf</p> <p>Comment Period: 11/17/2017 - 12/18/2017 Public Hearing: 12/4/2017</p>	Notice of Preparation	California Air Resources Board	SCAQMD staff commented on 12/15/2017

- Project has potential environmental justice concerns due to the nature and/or location of the project.

ATTACHMENT C
ACTIVE SCAQMD LEAD AGENCY PROJECTS
THROUGH DECEMBER 31, 2017

PROJECT DESCRIPTION	PROPONENT	TYPE OF DOCUMENT	STATUS	CONSULTANT
Edgington Oil Company (Edgington) is proposing the following modifications at its existing Edgington Refinery site to allow for additional flexibility in using the site for terminal operations: 1) add 18 offloading arms at its existing rail tank car loading facility to allow for the offloading of distillates, biodiesel, and renewables (diesel and jet fuels), ethanol, naphtha, alkylates, reformate, and isooctane; 2) modify seven truck loading racks to allow distillates, biodiesel, and renewables to be loaded; 3) modify one rack (two arms) to allow unloading of crude oil from trucks; and 4) modify 16 existing fixed-roof asphalt storage tanks to allow storage of distillates, biodiesel, and renewables.	Edgington Oil Company	Initial Study (IS)	An Initial Study has been prepared by the consultant and SCAQMD staff has provided comments. The consultant is in the process of revising the Initial Study.	InterAct
The Phillips 66 (formerly ConocoPhillips) Los Angeles Refinery Ultra Low Sulfur Diesel project was originally proposed to comply with federal, state and SCAQMD requirements to limit the sulfur content of diesel fuels. Litigation against the CEQA document was filed. Ultimately, the California Supreme Court concluded that the SCAQMD had used an inappropriate baseline and directed the SCAQMD to prepare an EIR, even though the project has been built and has been in operation since 2006. The purpose of this CEQA document is to comply with the Supreme Court's direction to prepare an EIR.	Phillips 66 (formerly ConocoPhillips), Los Angeles Refinery	Environmental Impact Report (EIR)	The Notice of Preparation/Initial Study (NOP/IS) was circulated for a 30-day public comment period on March 26, 2012 to April 26, 2012. The consultant submitted the administrative Draft EIR to SCAQMD in late July 2013. The Draft EIR was circulated for a 45-day public review and comment period from September 30, 2014 to November 13, 2014. Two comment letters were received and responses to comments are being prepared.	Environmental Audit, Inc.
Quemetco is proposing an increase in the daily furnace feed rate.	Quemetco	Environmental Impact Report (EIR)	A Notice of Preparation/Initial Study (NOP/IS) has been prepared by the consultant and SCAQMD staff has provided comments. The consultant has provided a revised NOP/IS which is undergoing SCAQMD review.	Trinity Consultants

ATTACHMENT C
ACTIVE SCAQMD LEAD AGENCY PROJECTS
THROUGH DECEMBER 31, 2017

PROJECT DESCRIPTION	PROPONENT	TYPE OF DOCUMENT	STATUS	CONSULTANT
Southern California Edison (SCE) is proposing to modify the air pollution control system for the Barre Peaker unit to repair current and prevent future water damage by: 1) decreasing the water-injection rate into the turbine's combustor; 2) replacing the oxidation catalyst and increasing the overall area of catalyst beds in the selective catalytic reduction (SCR) unit; 3) replacing the ammonia injection grid to improve the deliverability of ammonia to the catalyst; and, 4) increasing the concentration of the aqueous ammonia that is delivered to the facility, stored on-site, and injected into the SCR unit from 19% to 29%. In addition, SCE is proposing to revise its SCAQMD Title V Operating Permit to allow the turbine to generate power over its full operating range, from less than one megawatt (MW) to full load (e.g., 45 MW net), while continuing to meet the emission limits in the current permit.	Southern California Edison	Addendum to the April 2007 Final Mitigated Negative Declaration for the Southern California Edison Barre Peaker Project in Stanton	A draft Addendum has been prepared by the consultant and is under review by SCAQMD staff.	Yorke Engineering, LLC
Southern California Edison (SCE) is proposing to modify the air pollution control system for the Mira Loma Peaker unit to repair current and prevent future water damage by: 1) decreasing the water-injection rate into the turbine's combustor; 2) replacing the oxidation catalyst and increasing the overall area of catalyst beds in the Selective Catalytic Reduction (SCR) unit; 3) replacing the ammonia injection grid to improve the deliverability of ammonia to the catalyst; and, 4) increasing the concentration of the aqueous ammonia that is delivered to the facility, stored on-site, and injected into the SCR unit from 19% to 29%. In addition, SCE is proposing to revise its SCAQMD Title V Operating Permit to allow the turbine to generate power over its full operating range, from less than one megawatt (MW) to full load (e.g., 45 MW net), while continuing to meet the emission limits in the current permit.	Southern California Edison	Addendum to the April 2007 Final Mitigated Negative Declaration for the Southern California Edison Mira Loma Peaker Project in Ontario	A draft Addendum has been prepared by the consultant and is under review by SCAQMD staff.	Yorke Engineering, LLC

 [Back to Agenda](#)

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 18

REPORT: Rule and Control Measure Forecast

SYNOPSIS: This report highlights SCAQMD rulemaking activities and public workshops potentially scheduled for 2018.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:
Receive and file.

Wayne Natri
Executive Officer

PMF:SN:AF:RM

2018 MASTER CALENDAR

The table below summarizes changes to the schedule since last month's Rule and Control Measure Forecast Report. Staff will continue to work with all stakeholders as these projects move forward.

120	Credible Evidence Rule
Rule 120 is being moved from March to May. Stakeholders requested more time to consider the possible implications.	
408	Circumvention
Rule 408 is being moved from March to May. Stakeholders requested more time to consider the possible implications.	

2018 MASTER CALENDAR

Symbols have been added to indicate the following:

- * This rulemaking is a potentially significant hearing.*
- + This rulemaking will reduce criteria air contaminants and assist toward attainment of ambient air quality standards.*
- # This rulemaking is part of the transition of RECLAIM to a command and control regulatory structure.*

March	Title and Description	Type of Rulemaking
1111 ⁺	Reduction of NO_x Emissions from Natural Gas Fired, Fan-Type Central Furnaces Rule 1111 proposed amendments would extend the mitigation fee dates, increase the mitigation fee to encourage manufacturers to commercialize compliant units and add a rebate program to encourage consumers to purchase compliant units. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
April		
1146	Emissions of Oxides of Nitrogen from Industrial, Institutional and Commercial Boilers, Steam Generators, and Process Heaters	Other
1146.1	Emissions of Oxides of Nitrogen from Small Industrial, Institutional and Commercial Boilers, Steam Generators, and Process Heaters	
1146.2 ^{*+##}	Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters Amendments to Rules 1146, 1146.1, and 1146.2 will incorporate requirements for facilities that are in RECLAIM that are required to meet BARCT emission control levels.	
2001 ^{*+##}	RECLAIM - Applicability Amendments to Rule 2001 are needed to reflect the transition of RECLAIM facilities to command and control.	
1100 ^{*+##}	Implementation Schedule for NO_x Facilities Rule 1100 will establish the implementation schedule for specific NO _x RECLAIM facilities that are transitioning to command and control. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	

2018 MASTER CALENDAR (continued)

April (continued)	Title and Description	Type of Rulemaking
1178+	Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities Proposed Amended Rule 1178 will incorporate provisions to allow use of a flexible enclosure option allowed under the U.S. EPA Storage Tank Emission Reduction Partnership Program for floating roof storage tanks equipped with a slotted guide pole. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1469*	Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations Proposed Amended Rule 1469 will further reduce hexavalent chromium emissions by establishing new requirements for certain hexavalent chromium tanks that are currently not regulated and further address potential fugitive emissions from hexavalent chromium electroplating and chromic acid anodizing operations. <i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Toxics
May		
120	Credible Evidence Rule Proposed Rule 120 will allow any credible evidence to be used for the purpose of establishing that a person has violated or is in violation of any plan, order, permit, rule, regulation, or law. This rule will establish presumptively credible evidence. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
408	Circumvention Proposed Amended Rule 408 would require notification prior to use of equipment or techniques to mitigate nuisance odors. The proposed amendment would also prohibit alterations to normal business operations or equipment to suppress or conceal emissions during monitoring or testing. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
Reg. III	Fees Amendments to Regulation III will incorporate the CPI adjustment to keep pace with inflation, pursuant to Rule 320, and proposed amendments may also make any other needed adjustments. <i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
Reg. XIII*#	New Source Review Amendments to Regulation XIII are needed to address New Source Review provisions for facilities that exit RECLAIM. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other

2018 MASTER CALENDAR (continued)

June	Title and Description	Type of Rulemaking
1118.1*+ [#]	Control of Emissions from Non-Refinery Flares Proposed Rule 1118.1 will seek to reduce emissions from flaring at non-refinery facilities, including alternate uses of gases. The rule would require use of flares that meet Best Available Control Technology at sources such as landfills, wastewater treatment plants, and oil and gas production facilities. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1100*+ [#]	Implementation Schedule for NO_x Facilities Rule 1100 will establish the implementation schedule for specific NO _x RECLAIM facilities that are transitioning to command and control. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	
1403	Asbestos Emissions from Demolition/Renovation Activities Amendments to Rule 1403 will include specific requirements when conducting asbestos-emitting demolition/renovation activities at schools, daycare centers, and possibly establishments that have sensitive populations. Amendments may include other provisions to improve the implementation of the rule. <i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
July		
1110.2*+ [#]	Emissions from Stationary Internal Combustion Engines Rule 1110.2 will be amended to incorporate provisions for facilities that are transitioning from NO _x RECLAIM to command and control.	AQMP
1100*+ [#]	Implementation Schedule for NO_x Facilities Rule 1100 will establish the implementation schedule for specific NO _x RECLAIM facilities that are transitioning to command and control. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	
1410*	Hydrogen Fluoride Use at Refineries Proposed Rule 1410 will establish requirements for use of hydrogen fluoride at refineries. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Toxics
September		
1407* 1407.1*	Control of Emissions of Arsenic, Cadmium and Nickel from Non-Ferrous Metal Operations Proposed Rule 1407 will establish additional requirements to minimize air toxics from metal operations. Staff is analyzing sources subject to Rule 1407 and may develop a separate Rule 1407.1 for the largest sources subject to Rule 1407 and expand the applicability to address ferrous metal operations and hexavalent chromium emissions. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Toxics

2018 MASTER CALENDAR (continued)

September (continued)	Title and Description	Type of Rulemaking
1480*	<p>Toxics Monitoring</p> <p>Proposed Rule 1480 will establish provisions for when ambient monitoring is required and the toxic air contaminants that will be monitored.</p> <p>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</p>	Toxics
October		
Reg. IX Reg. X	<p>Standards of Performance for New Stationary Sources (NSPS) National Emission Standards for Hazardous Air Pollutants (NESHAPS)</p> <p>Amendments to Regulations IX and X are periodically made to incorporate by reference new or amended federal standards that have been enacted by U.S. EPA for stationary sources. Regulations IX and X provide stationary sources with a single point of reference for determining which federal and local requirements apply to their specific operations.</p> <p>Carol Gomez 909.396.3264 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</p>	Other
1134*+ [#]	<p>Emissions of Oxides of Nitrogen from Stationary Gas Turbines</p> <p>Proposed Amended Rule 1134 will update the emission standard to incorporate Best Available Retrofit Control Technology and incorporate provisions for facilities that are transitioning from NOx RECLAIM to command and control.</p>	AQMP
1100*+ [#]	<p>Implementation Schedule for NOx Facilities</p> <p>Rule 1100 will establish the implementation schedule for other NOx RECLAIM facilities that are transitioning to command and control.</p> <p>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</p>	
Reg. XVI	<p>Mobile Source Offset Programs</p> <p>Amendments to various Regulation XVI rules will be proposed to provide greater opportunity to reduce mobile source emissions and to obtain credit in the State Implementation Plan for these reductions where possible, including addressing the recent U.S. EPA proposed disapproval of Rule 1610.</p> <p>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</p>	Other

2018 MASTER CALENDAR (continued)

November	Title and Description	Type of Rulemaking
1135*+ [#]	Emissions of Oxides of Nitrogen from Electric Power Generating Facilities Proposed Amended Rule 1135 will incorporate requirements for electric power generating facilities that are to transition from NO _x RECLAIM to command and control. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1100*+ [#]	Implementation Schedule for NO_x Facilities Rule 1100 will establish the implementation schedule for specific NO _x RECLAIM facilities that are transitioning to command and control. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	
1435*	Control of Emissions from Metal Heat Treating Processes Proposed Rule 1435 would establish requirements to reduce hexavalent chromium emissions from heat treating processes. <i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Toxics
December		
1109.1*+ [#]	Refinery Equipment Proposed Rule 1109.1 will establish requirements for refineries that are transitioning from RECLAIM to command and control. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1100*+ [#]	Implementation Schedule for NO_x Facilities Rule 1100 will establish the implementation schedule for specific NO _x RECLAIM facilities that are transitioning to command and control. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	
2202	On-Road Motor Vehicle Mitigation Options Proposed amendments to Rule 2202 would enhance emission reductions obtained from the Employee Commute Reduction Program (ECRP) rule option. <i>Carol Gomez 909.396.3264 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other

**2018 MASTER CALENDAR
2018 To-Be-Determined**

To-Be-Determined	Title and Description	Type of Rulemaking
102	Definition of Terms Staff may propose amendments to Rule 102 to add or revise definitions in order to support amendments to other Regulation XI rules. <i>CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
113* [#]	Monitoring, Reporting, and Recordkeeping (MRR) Requirements for NO_x and SO_x Sources Proposed Rule 113 will establish MRR requirements for facilities exiting RECLAIM and transitioning to a command and control regulatory structure. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
218	Continuous Emission Monitoring Amendments to Rule 218 may be needed for facilities exiting RECLAIM and transitioning to a command and control regulatory structure. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
218.1	Continuous Emission Monitoring Performance Specifications Amendments to Rule 218.1 may be needed for facilities exiting RECLAIM and transitioning to a command and control regulatory structure. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
219	Equipment Not Requiring a Written Permit Pursuant to Regulation II It is periodically necessary to amend Rule 219 to remove or add certain exemptions for low-emission processes or equipment. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
223 ⁺	Emission Reduction Permits for Large Confined Animal Facilities Proposed Amended Rule 223 will seek additional emission reductions from large confined animal facilities by lowering the applicability threshold. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
224 ⁺	Incentives for Super-Compliant Technologies Proposed Rule 224 will outline strategies and requirements to incentivize the development, establishment and use of super-compliant technologies. It may be considered as a part of Rule 219 amendments or proposed as a separate incentive rule. <i>Zorik Pirveysian 909.396.3421 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
416*	Odors from Kitchen Grease Processing Proposed Rule 416 will reduce ambient odors created during kitchen grease processing operations. The proposed rule will establish best management practices, and examine enclosure requirements for wastewater treatment operations and filter cake storage. The proposed rule may also contain requirements for an Odor Mitigation Plan. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
429*+ #	Start-Up and Shutdown Exemption Provisions for Oxides of Nitrogen It may be necessary to amend Rule 429 to address start-up/shutdown provisions related to the transition of NO _x RECLAIM to a command and control regulatory program and if U.S. EPA requires updates to such provisions. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
430*	Breakdown Provisions This rule will be amended or replaced to address specific issues raised by U.S. EPA regarding start-ups or shutdowns associated with breakdowns. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1106 1106.1*+	Marine Coating Operations Pleasure Craft Coating Operations Rule 1106.1 is proposed to be rescinded; Rule 1106 would subsume the requirements of Rule 1106.1, revise VOC content limits for several categories in order to align limits with U.S. EPA Control Techniques Guidelines and other California air districts, and add new categories for several categories. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1107+	Coating of Metal Parts and Products Potential amendments to Rule 1107 would further reduce VOC emissions and improve rule clarity and enforceability. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1109*+ #	Emissions of Oxides of Nitrogen from Boilers and Process Heaters in Petroleum Refineries Amendments to Rule 1109 may be needed to establish BARCT emission limits for refineries that are exiting RECLAIM and subject to command and control rules. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
1111.1 ⁺	Reduction of NOx Emissions from Natural Gas Fired Commercial Furnaces Proposed Rule 1111.1 will establish equipment-specific NOx emission limits and other requirements for the operation of commercial space heaters. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1113 ⁺	Architectural Coatings Pursuant to guidance from the Stationary Source Committee, staff will amend to remove the tBAC exemption and is evaluating the impact from removing pCBtF as a VOC exempt compound. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	
1117* ^{##}	Glass Melting Furnaces Proposed amendments will control NOx emissions from glass melting furnaces. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1123* ⁺	Refinery Process Turnarounds Proposed amendments will establish procedures that better quantify emission impacts from start-up, shutdown or turnaround activities. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1136* ⁺	Wood Products Coatings Amendments may be proposed to existing rule limits and other provisions. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1450* ⁺	Control of Methylene Chloride Emissions The proposed rule would reduce exposure to methylene chloride from furniture stripping, remove potential regulatory loopholes, achieve emission reductions where possible and cost effective, include reporting requirements, and improve consistency with other SCAQMD VOC rules. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Toxics
1142*	Marine Tank Vessel Operations Proposed revisions to Rule 1142 would address VOC emissions from marine tank vessel operations and provide clarifications. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1147.1* ^{##}	Large Miscellaneous Combustion Rule 1147.1 will include large miscellaneous combustion sources currently at RECLAIM facilities. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
1147.2*+ [#]	Metal Melting and Heat Treating Furnaces Proposed Rule 1147.2 will reduce NOx emissions from metal melting and heat treating furnaces. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1147.3*+ [#]	Emission Reductions for Equipment at Aggregate Facilities Proposed Rule 1147.3 will reduce NOx emissions from aggregate operations. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1148.1 1148.2	Oil and Gas Production Wells Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers Amendments to Rule 1148.2 may be needed to address community notification procedures, the inclusion of water injection wells, and potentially other measures based on an evaluation of information collected since the last rule adoption. <i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1148.3*	Requirements for Natural Gas Underground Storage Facilities Proposed Rule 1148.3 will establish requirements to address public nuisance and VOC emissions from underground natural gas storage facilities. <i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1150.1	Control of Gaseous Emissions from Municipal Solid Waste Landfills Proposed amendments will address U.S. EPA revisions to the New Source Performance Standards for Municipal Solid Waste Landfills and Existing Guidelines and Compliance Timelines for Municipal Solid Waste Landfills, as well as CARB GHG requirements. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1151*+	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations Pursuant to guidance from the Stationary Source Committee, staff will amend to remove the tBAC exemption and is evaluating the impact from removing pCBtF as a VOC exempt compound. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1153.1*+	Emissions of Oxides of Nitrogen from Commercial Food Ovens Rule 1153.1 was adopted in November 2014 and established NOx emission limits for various types of existing commercial food ovens on a specified compliance schedule. Amendments may be necessary to address applicability and technological feasibility of low-NOx burner technologies for new commercial food ovens. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
1159.1*+ [#]	Nitric Acid Units - Oxides of Nitrogen Proposed Rule 1159.1 will address NOx emissions from processes using nitric acid and is needed as part of the transition of RECLAIM to command and control. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1173 ⁺	Control of Volatile Organic Compound Leaks and Releases from Components at Petroleum Facilities and Chemical Plants Proposed revisions to Rule 1173 are being considered based on recent U.S. EPA regulations and CARB oil and gas regulations. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1177 ⁺	Liquefied Petroleum Gas Transfer and Dispensing Potential amendments may be proposed to include additional sources of emissions from the dispensing and transfer of LPG. <i>Michael Krause 909.396.2706 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1188 ⁺	VOC Reductions from Vacuum Trucks The proposed rule will establish VOC emission standards and other requirements associated with the operation of vacuum trucks not covered by Rule 1149 – Storage Tank and Pipeline Cleaning and Degassing. <i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
1190, 1191, 1192, 1193, 1194, 1195, 1196, & 1186.1* ⁺	Fleet Vehicle Requirements Amendments to fleet rules may be necessary to improve rule implementation. In addition, the current fleet rules may be expanded to achieve additional air quality and air toxic emission reductions. <i>Zorik Pirveysian 909.396.2431 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
1304.2* 1304.3*	California Public Utilities Commission Regulated Electrical Local Publicly Owned Electrical Utility Fee for Use of SOx, PM10 and NOx Offsets Local Publicly Owned Electrical Generating Facility Fee for Use of SOx, PM10 and NOx Offsets Proposed Rules 1304.2 and 1304.3 would allow new greenfield facilities and additions to existing electricity generating facilities (EGFs) conditional access to SCAQMD internal offset accounts for a fee, for subsequent funding of qualifying improvement projects consistent with the AQMP. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other Other

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
1415 1415.1	<p>Reduction of Refrigerant Emissions from Stationary Air Conditioning Systems, and Reduction of Refrigerant Emissions from Stationary Refrigeration Systems</p> <p>Amendments will align with proposed CARB Refrigerant Management Program and U.S. EPA's Significant New Alternatives Policy Rule provisions relative to prohibitions on specific hydrofluorocarbons (HFCs).</p> <p><i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Other
1426*	<p>Emissions from Metal Finishing Operations</p> <p>Proposed amendments to Rule 1426 will establish requirements to reduce nickel, cadmium and other air toxics from plating operations.</p> <p><i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Toxics
1430	<p>Control of Emissions from Metal Grinding Operations at Metal Forging Facilities</p> <p>Proposed amendments to Rule 1430 may be needed related to reducing emissions from metal forging operations.</p> <p><i>Jillian Wong 909.396.3176 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Toxics
1445*	<p>Control of Toxic Emissions from Laser Arc Cutting</p> <p>Proposed Rule 1445 will establish requirements to reduce toxic metal particulate emissions from laser arc cutting.</p> <p><i>David De Boer 909.396.2329 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Toxics
1469.1*	<p>Spraying Operations Using Coatings Containing Chromium</p> <p>Proposed Amended Rule 1469.1 would establish additional requirements for facilities that are conducting spraying using chromium coatings to further reduce hexavalent chromium emissions.</p> <p><i>Jillian Wong 909.396.31 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Other
1470*	<p>Requirement for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines at Sensitive Receptors</p> <p>The proposal would address new and existing small (≤ 50 brake horsepower) diesel engines located near sensitive receptors. Staff is also considering amendments to minimize use of stationary diesel back-up engines that may include use of alternative power sources that are less polluting.</p> <p><i>CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Toxics
1902	<p>Transportation Conformity</p> <p>Amendments to Rule 1902 may be necessary to align the rule with current U.S. EPA requirements.</p> <p><i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i></p>	Other

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
1905	Pollution Controls for Automotive Tunnel Vents This proposed rule would address emissions from proposed roadway tunnel projects that could have air quality impacts. <i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
Reg. XVII	Prevention of Significant Deterioration (PSD) Proposed amendments to Regulation XVII will align the SCAQMD's Prevention of Significant Deterioration program with federal requirements. <i>CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other
Reg. XX*+ #	RECLAIM Amendments to rules within Regulation XX will be needed as facilities transition from RECLAIM to a command and control regulatory structure. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
Reg. XXIII	Facility Based Mobile Sources Regulation XXIII would contain rules related to reducing emissions from mobile sources that visit certain types of facilities. Facility types could include commercial airports, marine ports, rail yards, warehouses, and new and development projects. Regulation XXIII may include other sources as identified in the 2016 AQMP. <i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
Reg. XXV	Intercredit Trading Regulation XXV will contain rules to allow generation of criteria pollutant Mobile Source Emission Reduction Credits (MSERCs) from various on-road and off-road sources, such as on-road heavy-duty trucks, off-road equipment, locomotives, and marine vessels. Credits will be generated by retrofitting existing engines or replacing the engines with new lower- emitting or zero-emission engines. The 2016 AQMP includes two measures that seek to accelerate early deployment of near-zero and zero emission on-road heavy-duty trucks and off-road equipment, through generation of MSERCs that could be used for purposes of recognizing mobile source emission reductions at facilities covered in the AQMP Facility-Based Measures. <i>Zorik Pirveysian 909.396.2431 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	AQMP
Reg. XXVII	Climate Change Changes may be needed to Regulation XXVII to add or update protocols for GHG reductions, and other changes. <i>Zorik Pirveysian 909.396.2431 CEQA: Michael Krause 909.396.2706 and Socio: Jillian Wong 909.396.3176</i>	Other

2018 MASTER CALENDAR
2018 To-Be-Determined (continued)

To-Be-Determined	Title and Description	Type of Rulemaking
Reg. II, IV, XI, XIV, XXX and XXXV, XXIV*+ #	Various rule amendments may be needed to meet the requirements of state and federal laws, implement OEHHA's 2015 revised risk assessment guidance, address variance issues/ technology-forcing limits, to abate a substantial endangerment to public health or welfare, address odor nuisance issues, air toxics, or to seek additional reductions to meet the SIP short-term measure commitment. The associated rule development or amendments include, but are not limited to, SCAQMD existing rules, and new or amended rules to implement the 2012 or 2016 AQMP measures. This includes measures in the 2010 Clean Communities Plan (CCP) or 2016 AQMP to reduce toxic air contaminants or reduce exposure to air toxics from stationary, mobile, and area sources. Rule amendments may include updates to provide consistency with CARB Statewide Air Toxic Control Measures or U.S. EPA's National Emission Standards for Hazardous Air Pollutants. Rule amendments, proposed new source-specific, or industry-specific rules within Regulation XI may be needed to meet the requirements of AB 617 and the 2016 AQMP commitment to transition the RECLAIM program to a command and control regulatory structure. Amendments to Regulation XIV may be needed for implementation of AB 617.	Other/AQMP

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 19

REPORT: Status Report on Major Ongoing and Upcoming Projects for Information Management

SYNOPSIS: Information Management is responsible for data systems management services in support of all SCAQMD operations. This action is to provide the monthly status report on major automation contracts and planned projects.

COMMITTEE: Administrative, January 12, 2018; Reviewed

RECOMMENDED ACTION:
Receive and file.

Wayne Natri
Executive Officer

RMM:MAH:OSM:agg

Background

Information Management (IM) provides a wide range of information systems and services in support of all SCAQMD operations. IM's primary goal is to provide automated tools and systems to implement Board-approved rules and regulations, and to improve internal efficiencies. The annual Budget specifies projects planned during the fiscal year to develop, acquire, enhance, or maintain mission-critical information systems.

Summary of Report

The attached report identifies each of the major projects/contracts or purchases that are ongoing or expected to be initiated within the next six months. Information provided for each project includes a brief project description and the schedule associated with known major milestones (issue RFP/RFQ, execute contract, etc.).

Attachment

Information Management Status Report on Major Ongoing and Upcoming Projects During the Next Six Months

ATTACHMENT
February 2, 2018 Board Meeting
Information Management Status Report on Major Ongoing and
Upcoming Projects During the Next Six Months

Project	Brief Description	Budget	Completed Actions	Upcoming Milestones
Website Evaluation & Improvements	Conduct a detailed review of the SCAQMD website to identify improvements/enhancements that can further site usability and implement items approved by Administrative Committee; improvements include new custom Calendar and changes to navigation and content organization	\$117,475	<ul style="list-style-type: none"> • Developed new Calendar • Developed new Home Page • Developed master pages and widgets • Set up beta site on SCAQMD server • Applied Calendar fixes to improve load time • Completed content migration and QA checking • Applied design updates • Completed final user acceptance checking • Deployment of new website 	<ul style="list-style-type: none"> • Three months of site maintenance
Implementation of Enterprise Geographic Information System (EGIS)	Support accomplishment of the agency's mission through the effective and cost-efficient implementation of EGIS and related technologies	\$173,255	<ul style="list-style-type: none"> • Board approved purchase of recommended hardware and software • Formed SCAQMD EGIS Governance/Working Group • Created EGIS Governance/Working Group Charter • Created agency-wide catalog of GIS software and staff resources • Developed prioritized project list and schedule • Attended EGIS project planning meeting September 13, 2017 	<ul style="list-style-type: none"> • Continue implementation of the nine prioritized EGIS projects

Project	Brief Description	Budget	Completed Actions	Upcoming Milestones
Permitting System Automation Phase 2	Enhanced Web application to automate permit application process for Registration Equipment, IC Engines, and Vapor Recovery systems; and implement electronic permit folder and workflow for internal SCAQMD users	\$610,000	<ul style="list-style-type: none"> • Phase 2 task order issued and awarded • Board letter for contract amendment and project approved at December 2017 Board Meeting 	<ul style="list-style-type: none"> • Start of Phase 2 development work scheduled for February 2018
Information Technology Review	Secure independent firm to perform technology review to help determine opportunities for hardware, system, and software modernization	\$75,000	<ul style="list-style-type: none"> • Work initiated September 2017 • Business Process Reviews, IT interviews and systems review work completed • Analysis work in progress for final Findings report completed • Draft Findings report delivered 	<ul style="list-style-type: none"> • Updated Findings report • Presentation of Findings and Recommendations
Permit Application Status and Dashboard Statistics	New Web application to allow engineers to update intermediate status of applications; create dashboard display of status summary with link to FIND for external user review	\$100,000	<ul style="list-style-type: none"> • Task order issued and awarded • Board letter for contract amendment and project approved at December Board Meeting 	<ul style="list-style-type: none"> • Start of detailed project planning
Agenda Tracking System Replacement	Replace aging custom agenda tracking system with state-of-the-art, cost-effective Enterprise Content Management (ECM) system, which is fully integrated with OnBase, SCAQMD's agency-wide ECM system	\$86,600	<ul style="list-style-type: none"> • Released RFP December 4, 2015 • Awarded contract April 1, 2016 	<ul style="list-style-type: none"> • Continue parallel testing • Final acceptance to follow successful testing and training

Project	Brief Description	Budget	Completed Actions	Upcoming Milestones
Emission Reporting System	Upgrade outdated modem-based emission reporting system to allow internet-based reporting with up-to-date tools and methodology	\$242,000	<ul style="list-style-type: none"> • Detailed planning and architecture sessions completed • Approved by Board March 3, 2017 	<ul style="list-style-type: none"> • Modify scope of work pending RECLAIM program discussions
Air Quality Index Rewrite and Migration	Develop new Web Service and/or Web API to migrate Air Quality Index function from FORTRAN computer to STA's data management system	\$65,000	<ul style="list-style-type: none"> • AQI Calculation Web Service and Hourly Update development work completed, staged and ready for deployment 	<ul style="list-style-type: none"> • Deployment pending final user buyoff
Replace Your Ride	New Web application to allow residents to apply for incentives to purchase newer, less polluting vehicles	\$211,820	<ul style="list-style-type: none"> • Phase 1 Applicant Filing and Case Manager processing module complete and deployed to production • User Acceptance Testing completed 	<ul style="list-style-type: none"> • Phase 2 Finance and System Administration module deployment
Fiber Cable Network Infrastructure Upgrade	Replace the existing fiber network cable infrastructure to support core computer networking (interconnect) in the agency; the Fiber Network Cable System will support higher bandwidth (min. 10 Gbps) from current (1 Gbps) to support increasing computing demands	\$311,202	<ul style="list-style-type: none"> • Released RFP November 3, 2017 	<ul style="list-style-type: none"> • Award contract February 2, 2018 • Install fiber cable April, 2018
Prequalify Vendor List for PCs, Network Hardware, etc.	Establish list of prequalified vendors to provide customer, network, and printer hardware and software, and to purchase desktop computer hardware upgrades	\$195,000	<ul style="list-style-type: none"> • Released RFQQ November 3, 2017 	<ul style="list-style-type: none"> • Approve Vendors List February 2, 2018

Project	Brief Description	Budget	Completed Actions	Upcoming Milestones
Renewal of HP Server Maintenance & Support	Purchase of maintenance and support services for servers and storage devices	\$120,000		<ul style="list-style-type: none"> • Request Board approval February 2, 2018 • Execute contract April 6, 2018

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 21A

REPORT: Administrative Committee

SYNOPSIS: The Administrative Committee held a meeting on Friday, January 12, 2018. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Dr. William A. Burke, Chair
Administrative Committee

nv

Committee Members

Present: Dr. William A. Burke/Chair (videoconference), Dr. Clark E. Parker, Sr./Vice Chair (videoconference), Mayor Ben Benoit (videoconference), and Mayor Pro Tem Judith Mitchell

Absent: None

Call to Order

Chair Burke called the meeting to order at 10:00 a.m.

DISCUSSION ITEMS:

1. **Board Members' Concerns:** None to report.
2. **Chairman's Report of Approved Travel:** As noted on the travel report, Mayor Pro Tem Mitchell will attend the CARB Board meeting as the SCAQMD representative in Sacramento, February 7-9, 2018.
3. **Report of Approved Out-of-Country Travel:** None to report.
4. **Review February 2, 2018 Governing Board Agenda:** Executive Officer Wayne Nastri reported that staff would like to add an item to the February Board

agenda to amend the contract for “The Right to Breathe” signature film. In addition, SCAQMD has received correspondence regarding Proposed Rule 120 - Credible Evidence, and Rule 408 - Circumvention. The set hearing for these rules may be postponed.

5. **Status Report on Major Ongoing and Upcoming Projects for Information Management:** Ron Moskowitz, Assistant Deputy Executive Officer/Information Management, reported that the new website successfully went live and has received overwhelmingly positive feedback. There will be continuing improvements and in a month there will be new hardware added that will speed the process. e-GIS is on schedule, as well as e-Permitting for gas stations and spray booths. The IT Review has been completed and the report will be presented as Item #6 of this agenda. Mayor Pro Tem Mitchell commented that she was pleased with the new website, but that she noticed that in the Board Member contact information, her city email address is listed, but she prefers to list her SCAQMD email address. Mr. Moskowitz responded that the email address for Board Members will be updated.
6. **Report on Information Technology Review:** Mr. Moskowitz reported that in 2016, the Board recommended that an Information Technology (IT) Review be conducted to align the SCAQMD with IT Best Practices. In March 2017, Focal Point was selected to conduct the review. Mr. Sean Thompson, Director for Focal Point, reported that the agency’s current technologies and Information Management’s (IM) capacity to support future goals and objectives were evaluated; opportunities for improvement were identified; and a prioritized recommendation road map to better support the organization’s goals and objectives over the long-term was developed. He summarized key recommendations. IM’s practices were compared to leading industries’ practices, amongst private and public institutions to better understand organizational processes and challenges. IM’s policies, processes, procedures and systems configurations were reviewed, and system observations were performed, as well as remote analysis and documentation. Dr. Parker inquired what is the cost associated to implement the first phase of the recommendation? Mr. Thompson responded that it is dependent upon internal decisions, but it is anticipated that overall cost will be a multi-million dollar endeavor. Mayor Benoit commented that the email servers that are currently being used are very weak, with many other items that are in need of upgrade. He further added that he agrees with the recommendation of moving data into the Cloud, feels many of the recommendations are spot on, and appreciates the work of the contractor. Mayor Pro Tem Mitchell asked how the recommendations would be prioritized. Mr. Thompson stated that the items would be prioritized in terms of phases, with consideration of budgeting. Mayor Pro Tem Mitchell inquired about the importance of creating a Chief Information Officer (CIO) position.

Mr. Thompson stated that it is important to create a CIO position since it is critical to the remediation of the identified issues. Mayor Pro Tem Mitchell inquired about the creation of and purpose of an IT Committee. Mr. Nastri responded that staff is already aware of many of the issues identified in the report, but what is new is the ability to document well and have an opportunity to report back to the Board. Mr. Nastri further added that Mr. Moskowitz is part of Executive Council, has executive access, and has done a tremendous job of integrating and putting together many elements that before were not coordinated. A lot of the recommendations made were already implemented. Each division is preparing a plan that describes their requirements and projects they are working on, and how they are going to coordinate with the other departments.

7. **Update on Status of Projects in Coachella Valley Funded with AB 1318 Mitigation Fees:** Fred Minassian, Assistant Deputy Executive Officer/Science & Technology Advancement reported that this item is to provide an update on the AB 1318 projects being conducted. The Board had originally awarded \$51 million for a total of 26 projects to be done in Coachella Valley. Twenty-five of those projects have been completed. Mr. Tom Kurt, Executive Director of the Coachella Valley Association of Governments (CVAG), provided an update of the CV Link project. Dr. Burke inquired whether there will be permanent recognition to Supervisor John Benoit in the project. Mr. Kurt responded that he will be working closely with Mrs. Cheryl Benoit on how she wants to properly acknowledge her late husband's work on the CVAG project. Dr. Burke requested that Mr. Nastri work with Mr. Kurt so that Supervisor John Benoit is properly acknowledged. Dr. Burke requested that Mr. Minassian provide a written report on the remaining projects to the Board.

ACTION ITEMS:

8. **Approval of Compensation for Board Member Assistant(s)/Consultant(s):** Kurt Wiese, General Counsel, reported that Supervisor Hilda Solis has selected Anna Solis as her Board Consultant.

Moved by Parker; seconded by Mitchell, unanimously approved.

Ayes:	Benoit, Burke, Mitchell, Parker
Noes:	None
Absent:	None

9. **Establish List of Prequalified Vendors to Provide Computer, Network, Printer, Hardware and Software, and Audio Visual Equipment:** Mr. Moskowitz reported that a list was established from a Request for Qualifications and Quotations for prequalified vendors to provide small technologies needed to support the day-to-day functions of the SCAQMD, such as printers, laptops, hardware, software and audio visual equipment. As a result, 12 vendors were identified to provide support for a two-year period. The funds for this project are included in the budget.

Moved by Mitchell; seconded by Parker, unanimously approved.

Ayes: Benoit, Burke, Mitchell, Parker
Noes: None
Absent: None

10. **Execute Contract for Data Cabling Infrastructure Upgrade:** Mr. Moskowitz reported that this item is to execute a contract with Digital Networks Group, Inc., to upgrade the building's fiber network. The current network is over 25 years old and is in need of replacement. A competitively bid process was conducted through an RFP and funds for this project are included in the budget.

Moved by Benoit; seconded by Mitchell, unanimously approved.

Ayes: Benoit, Burke, Mitchell, Parker
Noes: None
Absent: None

11. **Authorize Purchase of Servers and Storage Devices Maintenance and Support Services:** Mr. Moskowitz reported that this item is to authorize the purchase of a one-year maintenance contract with the Hewlett Packard Company. This is an annual request and the funds are included in the budget.

Moved by Benoit; seconded by Mitchell, unanimously approved.

Ayes: Benoit, Burke, Mitchell, Parker
Noes: None
Absent: None

12. **Recognize Revenue and Appropriate and Transfer Funds for U.S. EPA PAMS Program and Issue RFQ and Purchase Orders for Equipment:** Deputy Executive Officer/Science & Technology Advancement Matt Miyasato reported that this item is to recognize and reallocate funding from U.S. EPA under the Section 105 Grant Program. This request is to enhance the ozone monitoring network, and to issue RFQs to purchase equipment.

Moved by Parker; seconded by Mitchell, unanimously approved.

Ayes: Benoit, Burke, Mitchell, Parker
Noes: None
Absent: None

13. **Authorize Funding, Recognize Anticipated Revenue and Conduct Air Quality Conferences for Seniors:** Derrick Alatorre, Deputy Executive Officer/Legislative, Public Affairs & Media, reported that this item is to seek approval to hold two senior conferences in 2018. It is anticipated that the two conferences will cost up to \$225,000, with the aid of sponsors to help defray SCAQMD's costs. The two conferences will build upon past seniors conferences that were held in 2011 and 2012. The conferences are anticipated to be held in Los Angeles, and in either the Inland Empire or Orange County. At the last Los Angeles Senior Conference, there were 3,000 attendees. Dr. Burke commented that he is pleased with the upcoming senior conferences to be held and that he urges holding student conferences as well. Mr. Alatorre commented that approximately 8,000 students attended the last student conference.

Moved by Benoit; seconded by Mitchell, unanimously approved.

Ayes: Benoit, Burke, Mitchell, Parker
Noes: None
Absent: None

WRITTEN REPORT:

14. **Local Government & Small Business Assistance Advisory Group Minutes for the October 13, 2017 Meeting:** Mr. Alatorre reported that this item is a written report.

OTHER MATTERS:

15. **Other Business**

There was no other business.

16. **Public Comment**

There was no public comment.

17. **Next Meeting Date**

The next regular Administrative Committee meeting is scheduled for February 9, 2018 at 10:00 a.m.

Adjournment

The meeting adjourned at 10:55 a.m.

Attachment

Local Government & Small Business Assistance Advisory Group Minutes for the November 9, 2017 Meeting

ATTACHMENT



**South Coast
Air Quality Management District**

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

**LOCAL GOVERNMENT &
SMALL BUSINESS ASSISTANCE ADVISORY GROUP
THURSDAY, NOVEMBER 9, 2017
MEETING MINUTES**

MEMBERS PRESENT:

Felipe Aguirre
Paul Avila, P.B.A. & Associates
Geoffrey Blake, Metal Finishers of Southern California
Todd Campbell, Clean Energy
John DeWitt, JE DeWitt, Inc.
Bill LaMarr, California Small Business Alliance
Rita Loof, RadTech International
Eddie Marquez, Paramount Petroleum
David Rothbart, Los Angeles County Sanitation District

MEMBERS ABSENT:

Ben Benoit, Mayor Pro Tem, City of Wildomar and LGSBA Chairman
Janice Rutherford, Supervisor, Second District, San Bernardino County
Rachelle Arizmendi, Mayor Pro Tempore, City of Sierra Madre
LaVaughn Daniel, DancoEN
Maria Elena Kennedy, Kennedy Communications
Cynthia Moran, Council Member, City of Chino Hills

OTHERS PRESENT:

Mark Abramowitz, Board Member Consultant (*Lyou*)
David Czmanske, Board Member Consultant (*Cacciotti*)

SCAQMD STAFF:

Derrick Alatorre, Deputy Executive Officer
Laki Tisopulos, Ph.D., Deputy Executive Officer
Nancy Feldman, Principal Deputy District Counsel
Tracy Goss, Planning and Rules Manager
Elaine-Joy Hills, AQ Inspector II
Van Doan, AQ Inspector II

Agenda Item #1 - Call to Order/Opening Remarks

Mr. Derrick Alatorre called the meeting to order at 11:29 a.m.

Agenda Item #2 – Approval of October 13, 2017 Meeting Minutes/Review of Follow-Up/Action Items

Mr. Alatorre called for approval of the October 13, 2017 meeting minutes. The minutes were approved unanimously.

Agenda Item #3 – Follow Up/Action Items

Mr. Derrick Alatorre indicated the request for presentations on Rule 219 and Cap and Trade will be agendaized in 2018, and the presentation regarding permit streamlining was on today's meeting agenda. The request for staff to contact Mr. John Dewitt regarding service station models was completed and there were no further questions. The request for a legislative summary was provided to the advisory group on October 25, 2017. Mr. Alatorre indicated that Mr. Tracy Goss does not recommend a presentation on Rule 1110.2 at this time, and a presentation on the AQMP facility modernization white paper is going to be verified.

Action Item: Verify with staff if they can provide a presentation on the AQMP facility modernization white paper.

Agenda Item #4 – Permit Application Backlog Reduction Report

Dr. Laki Tisopulos provided an update on the Permit Application Backlog Reduction Report.

Mr. Paul Avila asked, prior to Dr. Tisopulos taking over, how the permit backlog got so bad, if it was just neglect. Dr. Tisopulos responded that the key thing is to work very closely and have accountability, from the line engineer all the way up to the Deputy Executive Officer (DEO). So long as the accountability issue is brought up, expectations are understood, and their good work is being appreciated, people will respond. There are also many things that can be done to streamline the process, such as modernizing the permit process.

Mr. David Rothbart stated that he has had discussions with Dr. Tisopulos about streamlining the process so that staff can be more efficient and the permittee is aware of what the process is without haggle. Mr. Rothbart asked if there is something available that would help permittees, and via permit streamlining, can a process be established so that permittees are aware of what they are in for so that there is more consistency. Dr. Tisopulos replied yes that there are a lot of policies and we are committed to putting these in the public domain. There are policies we are currently working on that we hope would further enhance this process. For instance, we are trying to collapse the two-step process in obtaining a permit to construct then a permit to operate into one, and we are testing this idea into a number of applications. However, we might not be able to do it for everything, such as controversial projects.

Mr. Bill LaMarr commented about the past backlog approximately eight to 10 years ago where electronic systems were not yet available. Mr. LaMarr further mentioned that in the Administrative Committee meeting, concerns were expressed regarding the budget and the amount of overtime used. Mr. LaMarr asked if the 50% budget is accurate or if it just a rough number. Dr. Tisopulos clarified, in terms of the 50%, that the accumulated vacation/comp time is a real issue within the department. Staff kept vacation short, and we were able to produce. The time that were not used have accumulated and will accumulate further as we need to continue the efforts. We do not want staff to get penalized and lose the time, which is why we are asking the Board for authorization to allow staff to carry over the accumulated time. We only use 50% of the 2 million dollars. Mr. LaMarr stated that, regardless of the money, with the backlog being what it is and the time that the regulated community has to wait for permits, we need to collectively make sure that the backlog does not repeat.

Ms. Rita Loof recalled that policy memos were posted back in 1990 and indicated that they might be on the website, but not easily accessible. Ms. Loof asked if staff can possibly include a quick link to the engineering policy memos on the website. Dr. Tisopulos responded that a few weeks back, the information was there so he's not quite sure what happened. Per Mr. Rothbart, the information is still there, but you just have to know where to look. Dr. Tisopulos indicated that at some point, we will configure the website.

Agenda Item #5 – Rule 415 – Odors from Rendering Operations

Mr. Tracy Goss provided a summary of the newly adopted Rule 415 – Odors from Rendering Operations.

Mr. Avila asked if it is just nomenclature or are slaughter houses the same. Mr. Goss replied that they are not the same, but they can be integrated. Rendering facilities take wasted material, cook it down, separate the oils from the solids, and the solids can be compressed, dried and used for dog food. The grease can be used for biofuels or cosmetics.

Mr. Felipe Aguirre asked if a study was done on the amount of rendering that is done in tons or pounds, or the hours of operations. Mr. Goss indicated that they can operate up to three shifts, if necessary; however, we do not really have a handle on how much is processed because they vary. In terms of the pounds or tons, thousands of pounds per week are processed. They do have to report their emissions and some of these facilities are in the RECLAIM program or are Title V facilities. Most of them operate up to six days a week. Mr. Aguirre further inquired about how the District will be involved in the processing of the wastewater, if SCAQMD will be involved in regulating standards, and if SCAQMD will coordinate with the Los Angeles County Sanitations District (LACSD). Mr. Goss responded that they have requirements from the LACSD for putting water into the system, which is well under control, and does not feel the need to coordinate with LACSD. Mr. Rothbart added that when wastewater comes in, LACSD makes sure that it is treatable at the treatment plant.

Mr. Rothbart commented that there weren't many Notice of Violations (NOVs), and asked if it is because there weren't many complaints to validate the odor. Mr. Goss responded that it has been very difficult for inspectors to validate and discern between the facilities, which are nearby each other. Mr. Rothbart further asked, as far as complaints, when is an odor mitigation plan required or triggered? Mr. Goss indicated that for a normal NOV, an individual event would have a certain number of verified complaints. For rendering plants, it's hard to get to that number, so if we have three verified odor complaints for three different odor events, with a total of nine over a six month period, then we would require an odor mitigation plan.

Mr. LaMarr stated that he came across a presentation done in February 2013, and he did not find any complaints cited for any rendering plant. Mr. Goss replied that we have data that goes back to 2000 on complaint history, and in the last two years, we've had over 100 complaints identified as a pungent cooking smell, dead rotting animal smell, a smell of death, and other descriptions. Mr. Alatorre added that the community tends not to call even when there are odors, and that it could be just part of the life, which is why staff is trying to do outreach.

Mr. Avila asked if the rendering industry has an advocacy group or association, and if any odor mitigation is required, if it will be public information. Mr. Goss replied that complaint statistics are publicly available, and the advocacy group is really the City of Vernon. They recently formed Vernon

Green or Green Vernon, who is a group that wants to be good environmental stewards. Ms. Nancy Feldman indicated that generally we would provide the numbers of complaints and the areas which they were made. We would redact the names of the complainants and any identifying information like phone numbers. Mr. Eddie Marquez commented that there is an association, which is the National Rendering Association.

Mr. Aguirre asked, if enclosures are in place yet there are still similar rendering odors, could there be something else creating the odors? Mr. Goss replied that when we started this operation, we had trained inspectors go on a specified route to try to characterize the odors they were smelling. If we implement this rule, and all facilities are in compliance with the rule, yet there is still a problem, staff would investigate and take additional measures if needed.

Agenda Item #6 –Monthly Report on Small Business Assistance Activities

No comments.

Agenda Item #7 - Other Business

No other business.

Agenda Item #8 - Public Comment

No comments.

Agenda Item #9 – Next Meeting Date:

The next regular Local Government and Small Business Assistance Advisory Group meeting is scheduled for Friday, January 12, 2018 at 11:30 a.m.

Adjournment

The meeting adjourned at 12:34 p.m.

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 21B

REPORT: Special Administrative Committee

SYNOPSIS: Administrative Committee held a Special Meeting on Monday, January 29, 2018. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Dr. William A. Burke, Chair
Administrative Committee

nv

Committee Members

Present: Dr. William A. Burke/Chair (teleconference), Mayor Ben Benoit/Vice Chair, and Mayor Pro Tem Judith Mitchell (teleconference).

Absent: Dr. Clark E. Parker, Sr.

Call to Order

Chair Burke called the meeting to order at 10:37 a.m.

ACTION ITEM:

- Approve Funding for Air Filtration Systems at East Los Angeles Schools**
Waiving the staff presentation on this item, Chairman Burke requested a motion in support of the staff recommendation, whereupon the item was moved by Dr. Burke and Mayor Benoit seconded, and it passed without opposition. Mayor Pro Tem Mitchell asked for confirmation that the proposal complies with Board policy to site projects within the community impacted by the violation(s), which Kurt Wiese, General Counsel, confirmed.

Moved by Burke; seconded by Benoit, unanimously approved.

Ayes: Benoit, Burke, Mitchell
Noes: None
Absent: Parker

OTHER MATTERS:

2. **Public Comment**

There was no public comment.

3. **Next Meeting Date**

The next regular Administrative Committee meeting is scheduled for February 9, 2018 at 10:00 a.m.

Adjournment

The meeting adjourned at 10:39 a.m.

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 22

REPORT: Legislative Committee

SYNOPSIS: The Legislative Committee held a meeting on Friday, January 12, 2018. The following is a summary of the meeting.

Agenda Item	Recommendation/Action
Proposed Legislative Concept for Approval	APPROVE

RECOMMENDED ACTION:

Receive and file this report, and approve agenda items as specified in this letter.

Judith Mitchell, Chair
Legislative Committee

DJA:PFC:MJK:jns

Committee Members

Present: Mayor ProTem Judith Mitchell/Chair, Council Member Joe Buscaino/Vice Chair (videoconference), Dr. William A. Burke (videoconference), Dr. Clarke E. Parker, Sr. (videoconference), and Supervisor Janice Rutherford (videoconference).

Absent: Supervisor Shawn Nelson

Call to Order

Chair Mitchell called the meeting to order at 9:03 a.m.

DISCUSSION ITEMS:

1. Update on Federal Legislative Issues

SCAQMD's federal legislative consultants (Carmen Group, Cassidy & Associates, and Kadesh & Associates) each provided a written report on various key Washington, D.C. issues. Mr. Gary Hoitsma of the Carmen Group, Mr. Kaleb Froehlich and Mr. Charles Brittingham of Cassidy & Associates and Mr. Mark Kadesh of Kadesh & Associates gave verbal updates as well.

Mr. Hoitsma reported that the U.S. EPA in October, announced that it would repeal the Obama-era Clean Power Plan that strictly regulated power plants. In December, the U.S. EPA announced that they would be taking public comment on what regulatory action the agency should pursue, in light of the repeal of the Clean Power Plan. Mr. Hoitsma stated that the comment period would be extended to April 26, 2018, and that three new public hearings would be held: Kansas City, Missouri in February; Gillette, Wyoming in March and San Francisco, California, on February 28. Mr. Hoitsma also stated that U.S. EPA reduced their workforce from over 15,000 employees a year ago, to 14,000. Through buyouts and attrition, the U.S. EPA plans to reduce staffing levels by 25 percent or more over the next four or five years. Mr. Hoitsma also stated that President Trump appointed a new Chief Financial Officer, Holly Greaves, to the U.S. EPA.

Mr. Hoitsma informed the Committee that the President's infrastructure proposal is expected to come out around January 30 or early February. There is still a lot of uncertainty regarding how this proposal would be funded, and how much actual federal funding would be involved. Initially, it was reported to be \$200 billion dollars in direct federal funding, but any compromise with Democrats is going to have to increase that number significantly.

Mr. Hoitsma also stated that he spoke with Senator James Inhofe of the Senate Environment and Public Works (EPW) Committee, who said that he had recently spoken to the President and with Congressman Bill Schuster of the House Transportation Committee. Congressman Schuster recently announced his retirement at the end of his congressional term, but hopes to devote a major part of this year to trying to get the President's infrastructure bill passed. Mr. Hoitsma stated that Senator Inhofe seemed optimistic about the proposal having significant funding and he expected there to be broad project eligibility for projects that have strong local and state support.

In response to an inquiry from Dr. Parker regarding a previous proposal that was discussed with Senator Inhofe's staff, Mr. Hoitsma stated that Senator Inhofe sees the previous proposal as one that can be funded by the infrastructure bill's broad eligibility approach, however, the bill is not expected to have earmarks for specific projects. Mr. Hoitsma reiterated that Senator Inhofe is still encouraged that the proposal previously discussed with his staff could still be funded under the infrastructure proposal. He also stated that Senator Inhofe would be happy to meet with SCAQMD. Mr. Hoitsma stated that after the President makes his announcement and puts out his infrastructure proposal, in February or March that it would be a good time to meet with Senator Inhofe.

Mr. Froehlich stated that Congressman Steve Womack, a Republican from Arkansas, will be the new U.S. House Budget Committee Chairman. This will be important as both chambers work to finalize the budget cap to allow an omnibus appropriations deal. Mr. Froehlich also stated that the government is currently

funded on a continuing budget resolution that will expire on January 19. Mr. Froehlich informed the Committee that it is unlikely that a budget cap deal will be reached by that date, so there will likely be a subsequent continuing resolution (CR) reached, lasting until possibly Presidents' Day weekend in the middle of February, at which point the hope would be for a longer term omnibus appropriations package to pass. Mr. Froehlich also noted that the Diesel Emission Reduction Act (DERA) reauthorization bill passed the Senate, thus, one of SCAQMD's objectives this year in the U.S. House is for it to also pass the DERA reauthorization bill. Mr. Froehlich stated that there are a number of South Coast delegation House representatives on relevant committees with regard to DERA, and that he would work with SCAQMD staff to reach out to those representatives on the DERA legislation.

Mr. Froehlich gave an update on Senator Murkowski's comprehensive energy legislation. He explained that Senator Murkowski has recently been in the press expressing her desire for early action on the comprehensive energy legislation; and that she is looking for action in either the first quarter or early in the second quarter of 2018. This is of particular note for the District, due to the Vehicle Innovation Act, which is included in the energy bill, and provides vehicle technology funding of \$250 million per year to the Department of Energy.

Mr. Charles Brittingham provided an update on infrastructure and transportation, stating that the Senate EPW Committee held a recent water resources hearing, but that the water bill contained a lot of regurgitated information.

Mr. Brittingham stated that early indications were that the Trump infrastructure plan would be released before the State of the Union address. However, Mr. Brittingham now believes that it will more likely come out during the week of the budget release, scheduled currently for the first Tuesday in February, in order to get additional media attention. Mr. Brittingham stated that there are things in the infrastructure plan of particular interest to the District, including the elimination of redundancy in U.S. EPA reviews for environmental impacts under Section 309 of the Clean Air Act, potential incentive programs for the U.S. Department of Transportation, the U.S. Army Corps of Engineers and the U.S. EPA, a transformative program, and rural infrastructure.

Mr. Brittingham stated that the Trump infrastructure plan would likely come in the form of a 60-70 page document of principles, not legislative language, but that the infrastructure plan would be sent to Congress, who would be responsible to put legislative language together for the plan. His personal opinion is that the infrastructure bill would likely not pass in 2018, because 2018 is an election year and early indications show that people are running on tax reform. However, there will be progress and movement on an infrastructure package, for at least water resources, and there may be action during the lame duck session at the end of 2018, but timing will be a challenge.

Mr. Kadesh reported that one of the major recent accomplishments of Congress was the tax bill passage in December 2017. He reported, that although there was concern over a possible elimination of the federal electric vehicle tax credit by the U.S. House, the U.S. Senate ultimately prevailed and the tax credit will remain in place. Mr. Kadesh reiterated that the government will run out of funding on January 20, as the continuing resolution extends only through January 19. Mr. Kadesh stated that another continuing resolution is expected. Mr. Kadesh also noted that one of the key issues involved with the budget is the Deferred Action for Childhood Arrivals (DACA) program, and seeing whether or not the issue gets resolved. Mr. Kadesh stated that the timeline for the continuing resolution is not yet certain, whether it will be a very short-term CR extension or instead extend into the end of February. Mr. Kadesh commented on the proposed compromise by Senator Dick Durbin and Senator Lindsey Graham that was sent to President Trump and rejected.

Mr. Kadesh reported that Senator Kamala Harris left the EPW Committee, and instead became a member of the Senate Judiciary Committee. There will no longer be a California member on the Senate EPW Committee; however, Mr. Kadesh stated that SCAQMD would continue to work hard through California senators on infrastructure and other EPW-related matters.

2. Update on State Legislative Issues

SCAQMD's state legislative consultants (California Advisors, LLC, and Joe A. Gonsalves & Son) provided written reports on various key issues in Sacramento. Mr. Jacob Moss of California Advisors, LLC, Mr. Paul Gonsalves of Joe A. Gonsalves & Son and Mr. David Quintana of The Quintana Cruz Company provided verbal reports at the meeting.

Mr. Gonsalves reported that the Legislature reconvened on Wednesday, January 3, with changes in the membership due to sexual harassment allegations. Additionally, Mr. Gonsalves stated that former Assemblymember Jimmy Gomez was elected to the 34th Congressional district, and his replacement, Assemblymember Wendy Carrillo, was sworn in on December 18. Mr. Gonsalves noted that the Assembly now has 52 Democrats, two short of the 54 needed for a supermajority, while the Senate has 26 Democrats, one short of the two-thirds supermajority. Mr. Gonsalves also commented on the recently released Governor's state budget, which included a proposed \$190 billion budget with a general fund surplus of over \$19 billion. In presenting the budget, the Governor urged caution despite the surplus revenue.

Mr. Gonsalves stated that the larger question is how the new federal tax laws will affect the California budget. The Legislature is already responding to one of the new provisions to address the \$10,000 deduction caps for state and local income and property taxes. Mr. Gonsalves stated that Senate President Pro Tem Kevin de León is working on legislation called the Protect California Taxpayers Act, which would allow Californians to itemize their deductions, and to pay their state income taxes as if they were fully deductible, charitable donations to the state. Mr. Gonsalves further

explained that the money would eventually end up in the state budget, but first it would go into a special fund run by the treasurer's office and the state would credit taxpayers for their payments.

Finally, Mr. Gonsalves reported on important upcoming deadlines in the Legislature. January 12 is the last day for policy committees to hear and report fiscal bills to fiscal committee. This deadline involves fiscal two-year bills that are remaining from last year. Additionally, January 19 is the last day to submit bill requests to the office of Legislative Counsel in order to have bills drafted. Mr. Gonsalves indicated that that date coincides with the February 16 deadline to introduce new bills for 2018.

In response to an inquiry from Dr. Parker, Mr. Moss stated that there are no details yet on whether there are new allocations for environmental expenditures that the SCAQMD could benefit from in the new budget proposed by the Governor. However, the Governor said that cap-and-trade auction proceeds have stabilized, and in the 2018-2019 auction year, there is about \$1.25 billion dollars available for appropriation. Mr. Moss stated that when the Governor gives his State of the State address, he will announce what his plans are for those funds.

A discussion ensued on cap-and-trade auction funds, how the funds are dispersed and allocated, and the continued goal of trying to direct a substantial portion of those funds toward reducing air pollution and toxic emissions.

Mr. Moss gave an update on upcoming special elections, and stated that the primary election date to fill former Assemblymembers Matt Dababneh's and Sebastian Ridley-Thomas' seats will be on April 3, with a potential runoff election to take place on June 5 if necessary. June 5 is also the date of Senator Josh Newman's recall election. Further, on March 21, Senator Toni Atkins will be sworn in as the new Senate President Pro Tem. Mr. Moss stated that there are rumors about whether Senator Atkins would change Senate policy committee chairmanships. Assembly committee chairmanships could also be changed.

In response to an inquiry from Dr. Parker, Mr. Moss stated that the Assembly Revenue and Taxation Committee has not historically had a big impact on negotiations over Greenhouse Gas Reduction Fund (GGRF) monies. A brief discussion ensued regarding the Revenue and Taxation Committee and the budget process relating to GGRF monies.

Mr. Quintana reported on the March 21 swearing-in date for Senator Atkins as Senate President Pro Tem, and future plans of the current President Pro Tem, Kevin de León, to run for the U.S. Senate against current U.S. Senator Diane Feinstein. Mr. Quintana also reported that the incoming Chairperson for the Assembly Revenue and Taxation Committee, taking Sebastian Ridley-Thomas' place, will be Assemblymember Autumn Burke.

ACTION ITEMS:

3. Proposed Legislative Concept for Approval

Mr. Philip Crabbe, Community Relations Manager, presented the Proposed Legislative Concept for Approval to the Committee.

Mr. Crabbe stated that currently, SCAQMD and other local air districts are required by state law to distribute mass paper mailings to allow for public notice of public hearings, rulemaking processes, and other functions. These efforts are costly, outdated and inefficient in reaching members of the public, and that the SCAQMD generally spends up to \$100,000 per year on postage for public notice requirements.

Staff recommends approval of sponsorship of a legislative proposal that would modernize these public notice requirements, to make them more efficient and cost-effective. The proposed bill would seek to change current burdensome and inefficient mass mailing requirements to allow for reasonable and modernized methods of disseminating public notices, including the use of electronic mail, social media, and internet postings and communications when possible. However, mailing paper notices would still be utilized if notification by electronic methods is not feasible. Overall, this proposal would both reduce costs and provide more efficient and effective methods of public notice that would allow for increased public awareness of clean air issues and increased public participation in the process of helping to achieve clean air and thereby protect public health.

Ms. Barbara Baird, Chief Deputy Counsel, clarified that the California Health and Safety Code that imposes specific mailed notice requirements for public workshops and public hearings only applies to the South Coast district; the statute that provides for notice for other air pollution control districts for their public hearings does not require mailed notices, so this proposal is consistent with what the Legislature has required in other districts.

In response to an inquiry from Dr. Parker regarding the California Government Code and whether mailed notices are required by the District, Ms. Baird stated that she would have to look into the issue, but that as a general rule, the more specific code (the CA Health and Safety Code) would apply to and govern local air districts.

Staff recommended a position of APPROVE on this item

Moved by Rutherford; seconded by Buscaino; unanimously approved

Ayes: Burke, Buscaino, Mitchell, Parker, Rutherford

Noes: None

Abstain: None

Absent: Nelson

WRITTEN REPORT:

4. Report from SCAQMD Home Rule Advisory Group

Please refer to Attachment 5 for the written report.

OTHER MATTERS:

5. Other Business

There was no other business.

6. Public Comment Period

There were no public comments.

7. Next Meeting Date

The next regular Legislative Committee meeting is scheduled for Friday, February 9, 2018 at 9:00 a.m.

Adjournment

The meeting adjourned at 9:49 a.m.

Attachments

1. Attendance Record
2. Update on Federal Legislative Issues – Written Reports
3. Update on State Legislative Issues – Written Reports
4. Proposed Legislative Concept for Approval
5. SCAQMD Home Rule Advisory Group Report – Written Report

ATTACHMENT 1

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT LEGISLATIVE COMMITTEE ATTENDANCE RECORD – January 12, 2018

Dr. William A. Burke (Videoconference).....	SCAQMD Board Member
Council Member Joe Buscaino (Videoconference)	SCAQMD Board Member
Mayor Pro Tem Judith Mitchell	SCAQMD Board Member
Dr. Clark E. Parker, Sr. (Videoconference).....	SCAQMD Board Member
Supervisor Janice Rutherford (Videoconference)	SCAQMD Board Member
Mark Abramowitz.....	Board Consultant (Lyou)
David Czamanske	Board Consultant (Cacciotti)
Andy Silva	(Board Consultant (Rutherford))
Gary Hoitsma (teleconference)	The Carmen Group
Kaleb Froehlich (teleconference).....	Cassidy & Associates
Ryan Mulvenon (teleconference).....	Cassidy & Associates
Mark Kadesh (teleconference).....	Kadesh & Associates
Paul Gonsalves (teleconference).....	Joe A. Gonsalves & Son
Jacob Moss (teleconference).....	California Advisors, LLC
David Quintana (teleconference)	The Quintana Cruz Company
Tom Gross.....	Southern California Edison
Priscilla Hamilton	SoCalGas
Bill LaMarr	California Small Business Alliance
Rita Loof	RadTech
Erick Martell	Port of Los Angeles
David Rothbart.....	Los Angeles County Sanitation Districts
Susan Stark.....	Andeavor (formerly Tesoro)
Derrick Alatorre.....	SCAQMD Staff
Leeor Alpern	SCAQMD Staff
Debra Ashby	SCAQMD Staff
Barbara Baird.....	SCAQMD Staff
Kevin Cao	SCAQMD Staff
Patrick Chandler.....	SCAQMD Staff
Philip Crabbe	SCAQMD Staff
Tina Cox	SCAQMD Staff
Philip Fine.....	SCAQMD Staff
Mark Henninger.....	SCAQMD Staff
Monika Kim.....	SCAQMD Staff
Megan Lorenz	SCAQMD Staff
Matt Miyasato	SCAQMD Staff
Ron Moskowitz.....	SCAQMD Staff
Wayne Natri	SCAQMD Staff
Robert Paud.....	SCAQMD Staff
Mary Reichert	SCAQMD Staff
Jeanette Short.....	SCAQMD Staff
Lisa Tanaka O'Malley	SCAQMD Staff
Laki Tisopulos	SCAQMD Staff
Todd Warden	SCAQMD Staff
Jill Whynot.....	SCAQMD Staff

ATTACHMENT 2

MEMORANDUM

To: South Coast AQMD Legislative Committee

From: Carmen Group

Date: January 4, 2018

Re: Federal Update -- Executive Branch

EPA Working with States on Ozone and Sulfur Dioxide Compliance Designations:

The Environmental Protection Agency announced in December it was taking the next steps in the Clean Air Act process to determine which areas of the country meet national air quality standards for ground-level ozone and sulfur dioxide. In November, the Agency designated the vast majority of U.S. counties as meeting the 2015 ozone standards, while noting it was responding to state recommendations for ozone designations for the remaining areas and providing additional opportunities for state, tribal, and public input on those areas' designations. In December, in accordance with the Clean Air Act, the EPA sent letters to states to start a 120-day period for states and tribes to provide more information with regard to their suggested designations of certain areas where further analysis and dialogue may be needed. While not required to seek public comment during the 120-day period, EPA will also be opening a 30-day comment period for the public to provide input on these designations before they are finalized.

The Agency is also finalizing designations for certain areas for the 2010 sulfur dioxide standards. This action on sulfur dioxide represents the third of four rounds of final designations. These designations reflect progress for sulfur dioxide, as only six areas have been designated "nonattainment" with the 2010 standard. Only 50 areas remain to be designated for sulfur dioxide in the fourth and final round. For these areas, EPA is supporting the decision by states to install and operate new monitors, so they can gather three full calendar years of data to inform a designation by the end of 2020.

EPA Solicits Public Comment on Next Steps After Clean Power Plan Repeal:

The Environmental Protection Agency (EPA) issued an Advance Notice of Proposed Rulemaking (ANPRM) in December to announce that the Agency will solicit public input as it considers the next regulatory steps to limit greenhouse gas (GHG) emissions from existing electric utility generating units (EGUs), also known, they say, as power plants. The ANPRM is a separate, but related, action to the October 16, 2017 proposal to repeal the so-called "Clean Power Plan." In that proposal, EPA proposed to determine that the Obama-era regulation exceeds the Agency's statutory authority. The ANPRM offers the public the opportunity to comment on specific topics for the Agency to consider in developing any subsequent proposed rule. EPA is specifically soliciting information on systems of emission reduction that are applicable to or at an EGU facility, information on compliance measures, and information on state-planning requirements under Clean Air Act section 111(d).

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Infrastructure Poses Test for Bipartisanship

In December, the Trump Administration counted a major victory with the passage of its tax reform plan secured on a strictly party-line vote in both houses, where not a single Democrat in either House voted in favor. Now one of the Administration's major legislative priorities for 2018 is Infrastructure. And passage will require at least nine Democratic votes in the Senate since the reconciliation process allowing a simple majority vote will not be available. This means the issue will be a real test for whether the parties can come together on something significant that they both say they want. The devil of course will be in the details, and in the deal-making and election-year political calculations that are expected to go into the process. The current outlook, logistically, for Infrastructure appears to be that the Administration will release its outline plan (wish list) in the form of a 70-ish-page blueprint that will be designed to jump-start discussions. This is expected to happen just prior to, or just after, the January 30 State of Union Address in which the President is going to make a major push for the outlines of what he wants. After that, there will no doubt be weeks and likely months of back-and-forth including hearings on Capitol Hill, sorting out various details and coming together on a specific legislative package where there will be ample opportunity for input from all sides. Expect a push for final passage optimistically by August, but this will likely slip till later in the year. And if the bill includes anything deemed to be especially politically painful – such as a tax hike to help for it (which is still on the table) -- then the timing probably slips to the lame-duck post-election session in November and December.

Finding the money to pay for the Infrastructure bill remains at the nub all the current discussions. Trump has set out the marker of making this a \$1 trillion investment over ten years, sparked by \$200 billion in direct federal spending, perhaps paid for through cuts in other programs. Adding public private partnerships, loans and other innovative credit assistance and financing options, the hope is to leverage the balance up to the trillion dollar number. Democrats are sure to insist on significantly more direct federal dollars. All of which sets the stage for the kind of heavy lifting negotiations that are expected to surround the real Infrastructure debate for the better part of the coming year.

Two EPA Nominees Confirmed by the Senate:

In December, the Senate confirmed **Matt Leopold** to serve as General Counsel for the EPA and **David Ross** to serve as the Assistant Administrator for the Office of Water at the EPA.

DOE Subcabinet Appointment of Note:

The President has nominated Anne M. White of Michigan to be Assistant Secretary of Energy for Environmental Management. She has over 25 years of experience across of range of activities especially within the nuclear energy field.

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To: South Coast Air Quality Management District

From: Cassidy & Associates

Date: January 3, 2018

Re: Federal Update – U.S. House of Representatives

Issues of Interest to SCAQMD

General Update:

The House of Representatives does not return into session until January 8th, unlike the Senate which returned to DC on January 3. With tax reform complete, the most pressing matter is the need to pass the disaster aid funding as well as the omnibus appropriations bill. The current Continuing Resolution (CR) will expire on 1/19, so both the House and Senate must act before then with either a long term agreement or another short term CR to avoid a government shutdown.

House Speaker Ryan has made a number of statements that he would like to pursue a very aggressive agenda in the House for 2018 including controversial matters like entitlement reform as well as deficit reduction legislation and a balanced budget amendment, which will be non-starters with most Democrats in the Senate.

Tax Reform Update:

The House passed the tax bill 224-201 on Dec. 20, with 12 Republicans opposed and no Democrats supporting the bill. The Senate voted 51-48, strictly along party lines. President Trump signed the bill on Dec. 22, marking the most significant overhaul of the US tax code in 30 years.

The \$1.5 trillion tax bill will have broad effects on the economy, making deep and lasting cuts to corporate taxes as well as temporarily lowering individual taxes. The final bill keeps intact existing tax credits for renewable energy -- credits that were agreed to in a 2015 budget deal that calls for the credits to be phased out over time. Throughout the conferencing and negotiating of the tax package, House and Senate negotiators agreed to retain the electric-vehicle tax credit in the final tax bill. The electric vehicle \$7,500 tax incentive has been extended over five years, with a total impact of \$4.4 billion.

The electric vehicle \$7,500 tax incentive has been extended over five years, with a total impact of \$4.4 billion. The credit has helped sell about 700,000 electric vehicles such as the Tesla, Chevrolet Bolt and Nissan Leaf in the U.S. since 2010, according to the Electric Drive Transportation Association.

Although we never expected to see a carbon tax in the current tax debate, the fight is likely to pick up next year. Private industry, think tanks, and political leaders are joining the choir of voices asking to consider a carbon tax.

The Center on Global Energy Policy, a think tank at Columbia University, is launching a series of reports and events focused on how to design a carbon tax and what implications could come from one. Separately, the Climate Leadership Council, a coalition of oil and gas executives and conservative political leaders from prior Republican administrations, is working to build support among congressional Republicans and others for a carbon tax where the revenue goes back to consumers in the form of monthly dividend checks. Meanwhile, Exelon Corporation is pushing a proposal to create a new tax credit that would cost nearly \$5 billion over the next four years

Budget Update

After the Fiscal Year 2018 spending bills are finished, the House and Senate Budget Committees will be expected to consider a Fiscal Year 2019 budget resolution which will set the conditions for the next round of appropriation bills as well as new reconciliation instructions. At this point, the White House is still expected to meet the deadline for submitting their next budget request to Congress in early February.

The House Budget Committee will be under new leadership in 2018 since its current Chairman (Diane Black; Tennessee) announced she will be stepping down from her position in order to focus on her race to be the next Governor of Tennessee. The Republican Steering Committee will select the next Chairman and Tom McClintock (California's 4th Congressional District) has floated his name as a contender for the slot. The Senate Budget Committee will still be chaired by Senator Enzi (R-Wyoming).

Appropriations Update:

House Speaker Ryan, Senate Majority Leader McConnell, House Minority Leader Pelosi, and Senate Minority Leader Schumer meet with officials from the White House to try and reach a framework on a budget deal that will allow the Appropriations Committee to negotiate an omnibus package of appropriations bills for 2018. After the meeting ended, joint statements (included below) were released which framed the meeting in a positive manner, but significant work and negotiations remain. Absent a budget deal framework that will allow for omnibus package to be negotiated, we expect Congress to enact another short-term continuing resolution (expiring on/around President's Day; February 19)

Joint Statement from the White House, the Senate Majority Leader's Office, and the House Speaker's Office

Today the Republicans and Democrats in Congress shared their priorities for a bipartisan spending agreement. The American people deserve a government that funds our great military, protects our borders, and leads to a more prosperous future for all. It is important that we achieve a two-year agreement that funds our troops and provides for our national security and other critical functions of the Federal government. It also remains important that members of Congress do not hold funding for our troops hostage for immigration policy. We've been clear about these budget priorities from the beginning and hope that further discussions will lead to an agreement soon.

Schumer, Pelosi Joint Statement on Meeting of Congressional Leaders and Administration Officials

Washington, D.C. – Senate Democratic Leader Chuck Schumer and House Democratic Leader Nancy Pelosi released the following statement after meeting with Bicameral Republican Leadership and Administration officials:

“We had a positive and productive meeting and all parties have agreed to continue discussing a path forward to quickly resolve all of the issues ahead of us.”

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Comprehensive Energy Bill Update:

Chairman Lisa Murkowski (R-AK) is now looking to advance the bipartisan energy package, S. 1460, that largely mirrors the bill that passed the Senate last Congress. The legislation has been pending on the Senate floor for months, but can be brought up at anytime by Majority Leader Mitch McConnell.

Senator Murkowski has indicated recently that she would push for the legislation to come forward in late January or February as it remains a broadly supported piece of legislation.

Of particular interest for South Coast is the Vehicle Innovation Act that is included in the bill which would provide for over \$250 million in annual authorizations for the Department of Energy to use on vehicle technology.

Previously, South Coast submitted a letter of support for the previous version of this legislation in the last Congress. We would suggest that South Coast once again offer their support for the bill through a letter as it is very much appreciated by the staff as they move to build support and consensus on the bill.

Energy and Commerce Committee Update:

The Energy & Commerce Committee held a hearing on December 12 about CAFE and GHG standards for vehicles. Discussion of how these programs affect NAAQS was minimal.

The Energy & Commerce Committee approved several bills affecting air quality at a markup on December 4. These included:

- HR 350, Recognizing the Protection of Motorsports Act of 2017, which would clarify that anti-tampering provisions for motor vehicles do not apply to competition vehicles. This would be most relevant for NOx.
- H.R. 453, Relief from New Source Performance Standards Act of 2017, would extend the deadlines for NSPS for new residential wood heaters. This is mostly relevant for PM, VOCs, CO, benzene and other toxics.
- H.R. 1119, the Satisfying Energy Needs and Saving the Environment (SENSE) Act, which would provide alternative compliance options with CSAPR and MATS for coal refuse-to-energy plants. This is most relevant for SOx, mercury and air toxics.
- H.R. 1917, the Blocking Regulatory Interference from Closing Kilns (BRICK) Act of 2017, which would extend NESHAPS deadlines for brick, structural clay products and clay ceramics manufacturing until judicial review of the rules is completed. This is especially relevant for VOCs and PM.

Relevant Legislation Introduced:

H.R. 4730: Clean Air Contingency Measures Act of 2018

Introduced

Reps. McSally, Schweikert, Biggs, Gosar, and Issa

Summary: To amend the Clean Air Act with respect to nonattainment plan provisions, and for other purposes. Section 172(c)(9) of the Clean Air Act (42 U.S.C. 7502(c)(9)) is amended by adding at the end the following: “Nothing in this Act precludes, with respect to any plan or plan provision, the inclusion and approval of contingency measures that are or may be implemented or take effect prior to the area involved failing to make reasonable further progress or to attain any national primary ambient air quality standard by the applicable attainment date.”

SCAQMD
January 2018 Legislative Committee Board Meeting Report covering December 2017
Kadesh & Associates

The House and Senate were each in session until December 20, 2017. The primary focus was H.R. 1 – The Tax Cuts and Jobs Act of 2017. The bill passed the Congress and was signed into law on 12-22-17 as Public Law No: 115-97. While there were 29 roll call votes between the two chambers on H.R. 1, the final votes were 224 to 201 in the House and 51 to 48 in the Senate.

The new tax law (PL-115-97) sets the corporate tax rate at 21 percent, a top individual rate at 37 percent, and a 20 percent deduction for pass-through businesses, with some limitations. It also imposes new limits on deductions that are popular in states with high taxes and home values. According to a Joint Committee on Taxation analysis (JCX-69-17) released Dec. 22, the law will cost \$1.07 trillion over 10 years after accounting for economic growth. The JCT estimated that the law would cost \$1.46 trillion over the same period in a conventional estimate that didn't account for growth.

President Trump's signature on the bill—which passed without any Democratic votes—was the culmination of a nearly two-month legislative sprint that began with the release of a tax reform bill by the House in early November. Talk on Capitol Hill is already turning to preparing for the inevitable corrections the measure will require.

Congress cleared the way for Trump's signature by passing a short-term spending bill Dec. 21 that includes suspending the so-called PAYGO rules that would require automatic spending cuts tied to the tax reductions. The spending bill keeps the government open until Jan. 19.

The tax law is projected to decrease federal revenue by almost \$1.5 trillion over the next decade—though its individual tax cuts will expire in 2026 to avoid adding to the deficit outside that window. President Trump and GOP leaders have said they expect the business tax cuts to spur enough economic growth to make up for the revenue loss—an assertion many economists have questioned.

GOP leaders say a “typical family of four” earning \$73,000—the median family income in the U.S.—would see a tax cut of more than \$2,000 under the law. But the law also cuts the top marginal tax rate on households earning more than \$600,000 a year, and provides a new tax break for owners of partnerships, limited liability companies, and other pass-through entities.

Senate Majority Leader Mitch McConnell (R-Ky.) said Dec. 22 that he expects a “potpourri” of tax-related legislation come January. Congress will “pass what we need to pass,” McConnell told reporters at a news conference.

The Electric Vehicle Tax Credit was threatened with elimination in earlier versions of the House tax bill. The Senate bill retained the EV Tax Credit. The final bill acceded to the Senate position and retained the credit.

Other Legislation of Interest:

The Senate passed S.1447, Sen. Carper's DERA reauthorization bill, by Unanimous Consent on 12-21-17. The bill has now been sent to the House. The House may decide to simply take up the Senate bill and pass it, or it may choose to pass Rep. Poe's corollary bill, H.R.3107, or take no action and the bill dies at the end of this, the Second Session of the 115th Congress. The existence (or not) of a current authorization does not affect the Constitutional ability of the Appropriations Committee to appropriate funds for the program, but it does help to broaden the base of support for a program that had, unfairly, been seen as a "California" program.

Continuing Resolution vs an Omnibus Appropriations bill:

The federal government is operating under another stopgap spending measure known as a Continuing Resolution (CR) which will expire on January 19. Legislative provisions of concern to SCAQMD such as language regarding the Glider rule by EPA will only go into effect if Congress passes an Omnibus or other "regular order" appropriations.

Infrastructure:

With a tax bill passed the Congress and Administration are turning their attention to an Infrastructure bill. We have been working with staff to provide Congressional supporters with a viable list of items that could be included in an infrastructure bill which would benefit clean air. Any infrastructure bill will have to be configured and passed with bipartisan support, especially in the Senate. The tax bill could pass with a narrow margin of 51 votes because it was considered under special tax and spending rules called Reconciliation, which require only a simple majority for passage. Other legislation will require 60 votes, necessitating bipartisan cooperation in a chamber divided 51-49.

Before and/or while Congress and the Administration are trying to get to infrastructure, they must deal with the following issues early in 2018:

LEGISLATIVE DEADLINES -- CONGRESSIONAL ACTIVITY

<u>Date</u>	<u>What to watch</u>
Jan. 1, 2018	Medical device tax, health insurer fee reinstated
Jan. 3	Senate convenes for second session of the 115th Congress
Jan. 8	House convenes for second session of 115th Congress
Jan. 19	Continuing resolution expires, including FISA authority and flood insurance
Jan. 30	State of the Union address
Feb. 5	Statutory deadline for president's fiscal 2019 budget request
March 5	Renewals for current DACA recipients end
March 31	FAA authorization, CHIP funding expires

Late March/early April	Extraordinary measures could run out if debt limit isn't addressed*
July 30-Sept. 3	House summer recess
Aug. 4-Sept. 3	Senate summer recess
Sept. 30	Expiration of farm bill, VAWA domestic violence programs, and emergency health preparedness authorities
Oct. 1	Fiscal 2019 begins
Oct. 15-Nov. 12	House election recess
Oct. 27-Nov. 12	Senate election recess
Nov. 6 Election Day	
Nov. 13	First day of congressional lame-duck session
Dec. 13	Scheduled House adjournment
Dec. 14	Scheduled Senate adjournment

*Though the debt limit was restored after Dec. 8, the Treasury Department can use extraordinary measures to finance operations. The Congressional Budget Office said Nov. 30 the department "will most likely run out of cash by late March or early April 2018."
Notes: DACA – Deferred Action for Childhood Arrivals; FAA – Federal Aviation Administration; VAWA – Violence Against Women Act

Looking ahead ...

Congressional leaders pursuing a deal to lift budget limits on defense and domestic spending face a Jan. 19 deadline that may force them to seek yet another a stopgap funding measure to avert an election-year government shutdown.

Discretionary Spending

The negotiators are trying to reach a spending deal that would increase the \$1.2 trillion federal discretionary budget by about \$100 billion for FY18 and a comparable amount next year. Republicans want to increase defense spending -- which accounts for almost half of the discretionary budget -- by \$54 billion this year and non-defense programs by \$37 billion. Democrats want equal increases in both. Congress was unable to address the budget caps or a host of other issues before the end of 2017 and punted by passing two temporary spending measures. The last of those runs out Jan. 19. Even if the leaders reach a deal to lift the spending limits in early 2018, they likely won't have enough time to write all the spending items to carry the government through the rest of the fiscal year. Working out the numbers for a detailed spending plan would take about a month once the overall budget amount is agreed to, and there are also policy issues related to funding, including an immigration deal that can be affected by how federal money is allocated.

Infrastructure, Aviation Drive 2018 Transport Agenda (Source: BGOV)

During his campaign, President Donald Trump pledged that a plan to invest \$1 trillion to rebuild the nation's crumbling roads, bridges, and airports would be a centerpiece of his first 100 days in office. Officials are now promising to release an infrastructure principles document to guide congressional action in January.

Any bill must have solid bipartisan support in both the House and Senate, House Transportation and Infrastructure Committee Chairman Bill Shuster (R-Pa.) told Bloomberg Government in December. Shuster met with Trump, Transportation Secretary Elaine Chao, and other administration officials in mid-December to discuss priorities for infrastructure legislation.

"My main message to the president, my main message is, if we are going to do an infrastructure bill, it No. 1 has to be bipartisan," Shuster said. The Pennsylvania lawmaker plans to devote his final year in Congress to passing a bipartisan infrastructure measure. He announced in a statement today that he will retire at the end of 2018.

Shuster said he would like to see a bill that could get 75 to 80 votes in the Senate and that the House could pass even if 30 to 40 Republicans defect, he said during a December interview. Shuster's retirement gives some transportation advocates greater hope for bipartisan legislation since he will be freed from campaigning and may be thinking about his legacy.

The president also called on Democrats and Republicans to work together on infrastructure in 2018 when he signed his first significant legislative accomplishment, the tax overhaul law (Public Law No. 115-97). "At some point, and for the good of the country, I predict we will start working with the Democrats in a Bipartisan fashion. Infrastructure would be a perfect place to start," Trump tweeted on Dec. 22.

Trump's outline from his fiscal 2018 budget called for \$200 billion in federal funds and aimed to leverage \$800 billion from state, local, and private sources. To get Democrats on board, Shuster anticipates boosting the Highway Trust Fund, while also making sure the final package can attract Republicans worried about spending.

Shuster said there should be support for a gas tax increase, calling it a user fee consistent with conservative principles. "If you use the system, you should help pay for the system," he said.

The fund — which relies on motor fuels taxes and other user fees — faces a shortfall beginning in 2020. The fund's trajectory would result in a 40 percent cut in federal highway funding in 2021 and zeroed-out federal transit funding from 2021 to 2023, the American Association of State Highway and Transportation Officials estimates.

The committee's ranking Democrat, Rep. Peter DeFazio (Ore.), is on board for a proposal to bolster the fund by increasing the gasoline tax. "Short-term, there are there are no other options," DeFazio said in an interview.

The gas tax is "very regressive," but everything should be on the table, Rep. Sam Graves (R-Mo.), who is in the running to succeed Shuster as chairman, said. The federal excise tax of 18.4 cents per gallon for gasoline and 24.4 cents per gallon of diesel hasn't been increased since 1993. Shuster's counterpart, Senate Commerce, Science, and Transportation Committee Chairman John Thune (R-S.D.), said in a December interview with Bloomberg Government he doesn't see a political consensus on highway fund taxes. "I don't think there's political support for gas tax," Thune said.

Activities summary:

- In conjunction with SCAQMD staff (and in response to Senate EPW staff feedback), we are developing a list of infrastructure-related projects and technologies which can achieve SCAQMD goals and also work within legislative/executive authorizing/appropriating formats and programs.
- Continued to monitor the EPA "Glider" regulatory issue as it relates to the DERA Program and diesel truck retrofit. The Senate Interior Appropriations "Chairman's mark" legislation included language related to the Glider issue.
- Identify and seek out cosponsors for H.R. 3682, the Blue Whales and Blue Skies Act by Rep. Alan Lowenthal (D-CA) and H.R. 3107, the Diesel Emissions Reduction Act of 2017 by Rep. Ted Poe (R-TX).
- Continued to monitor and pass on relevant legislation of interest to SCAQMD.
- Participated in regular conference call with subsequent follow up assignments.
- Answered specific questions from SCAQMD staff.
- Kept staff updated as to legislative changes, committee assignments and confirmations.
- Monitored and shared updates on Administration regarding budget, appropriations, Interior, EPA, transportation, and environmental policies and personnel.

Of Note ...

In 2018 lawmakers will balance legislative efforts with Nov. 6 midterm elections: The House is scheduled to be in session for 27 weeks before Election Day and the Senate is slated to meet for 33 weeks before Nov. 6

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ADDENDUM -- Key changes to U.S. tax law for individuals and businesses from PL-115-97.

Individual Tax Rates

(Note: Individual rate cuts would begin in 2018 and expire after 2025.)

Current law: Seven rates, starting at 10 percent and reaching 39.6 percent for incomes above \$418,401 for singles and \$470,701 for married, joint filers.

Proposed: Seven rates, starting at 10 percent and reaching 37 percent for incomes above \$500,000 for singles and \$600,000 for married, joint filers.

For joint filers:

- 10 percent: \$0 to \$19,050
- 12 percent: \$19,050 to \$77,400
- 22 percent: \$77,400 to \$165,000
- 24 percent: \$165,000 to \$315,000
- 32 percent: \$315,000 to \$400,000
- 35 percent: \$400,000 to \$600,000
- 37 percent: \$600,000 and above

For single filers:

- 10 percent: \$0 to \$9,525
- 12 percent: \$9,525 to \$38,700
- 22 percent: \$38,700 to \$82,500
- 24 percent: \$82,500 to \$157,500
- 32 percent: \$157,500 to \$200,000
- 35 percent: \$200,000 to \$500,000
- 37 percent: \$500,000 and above

Corporate Tax Rate

Current law: 35 percent

Proposed: 21 percent, beginning in 2018.

Corporate Alternative Minimum Tax

Current law: Applies a 20 percent rate as part of a parallel tax system that limits tax benefits to prevent large-scale tax avoidance. Companies must calculate their ordinary tax and AMT tax, and pay whichever is higher.

Proposed: Repealed.

Individual Alternative Minimum Tax

Current law: Individual AMT can apply after exemption level of \$54,300 for singles and \$84,500 for married, joint filers, and the exemptions phase out at higher incomes.

Proposed: Increase the exemption to \$70,300 for singles and \$109,400 for joint filers. Increase the phase-out threshold to \$500,000 for singles and \$1 million for joint filers. The higher limits would expire on Jan. 1, 2026.

Expensing Equipment

Current law: Businesses must take depreciation, spreading the recognition of their equipment costs for tax purposes over several years.

Proposed: Businesses could fully and immediately deduct the cost of certain equipment purchased after Sept. 27, 2017 and before Jan. 1, 2023. After that, the percentage of cost that could be immediately deducted would gradually phase down.

Repatriation

Current law: The U.S. taxes multinationals on their global earnings at the corporate rate of 35 percent, but allows them to defer taxes on those foreign earnings until they bring them back to the U.S., or “repatriate” them.

Proposed: U.S. companies’ overseas income held as cash would be subject to a 15.5 percent rate, while non-cash holdings would face an 8 percent rate. Companies can make the payments in eight annual installments.

Pass-Through Deduction

Current law: Pass-through businesses, which include partnerships, limited liability companies, S corporations and sole proprietorships, pass their income to their owners, who pay tax at their individual rates.

Proposed: Owners could apply a 20 percent deduction to their business income, subject to limits that would begin at \$315,000 for married couples (or half that for single taxpayers).

Obamacare Individual Mandate

Current law: An individual who fails to buy health insurance must pay penalties of \$695 (higher for families) or 2.5 percent of their household income -- whichever is higher, but capped at the national average cost of the most basic, low-premium, high-deductible plan.

Proposed: Repeal the penalties.

Standard Deduction and Personal Exemptions

Current law: \$6,350 standard deduction for single taxpayers and \$12,700 for married couples, filing jointly. Personal exemptions of \$4,050 allowed for each family member.

Proposed: \$12,000 standard deduction for single taxpayers and \$24,000 for married couples, filing jointly. Personal exemptions repealed.

Individual State and Local Tax Deductions

Current law: Individuals can deduct the state and local taxes they pay, but the value is subject to certain limits for high earners.

Proposed: Individuals can deduct no more than \$10,000 worth of the deductions, which could include a combination of property taxes and either sales or income taxes.

Mortgage Interest Deduction

Current law: Deductible mortgage interest is capped at loans of \$1 million.

Proposed: Deductible mortgage interest for new purchases of first or second homes would be capped at loans of \$750,000 starting on Jan. 1, 2018.

Medical Expense Deduction

Current law: Qualified medical expenses that exceed 10 percent of the taxpayer's adjusted gross income are deductible.

Proposed: Reduce the threshold to 7.5 percent of AGI for 2017 and 2018.

Child Tax Credit

Current law: A \$1,000 credit for each child under 17. The credit begins phasing out for couples earning more than \$110,000. The credit is at least partially refundable to qualified taxpayers who earned more than \$3,000.

Proposed: Double the credit to \$2,000 and provide it for each child under 17 through 2025. Raise the phase-out amount to \$400,000, and cap the refundable portion at \$1,400 in 2018.

Estate Tax

Current law: Applies a 40 percent levy on estates worth more than \$5.49 million for individuals and \$10.98 million for couples.

Proposed: Double the thresholds so the levy applies to fewer estates. The higher thresholds would sunset in 2026.



ATTACHMENT 3

CALIFORNIA ADVISORS, LLC

SCAQMD Report
California Advisors, LLC
January 12, 2018 Legislative Committee Hearing

General Update

Senator Toni Atkins from San Diego was elected to serve as the next Senate Pro Tem. It remains unclear whether or not she will immediately reorganize the chairmanships within the Senate or will maintain continuity for the second year of this session. The Senate has seen both complete turnover and continuity in the past. It is also unclear when she will officially take over as President. It is likely that she will become leader sometime toward the end of the first quarter of 2018.

Pending 2-year Bills

Many authors have not yet determined which bills they will be moving this year.



Joe A. Gonsalves & Son

Anthony D. Gonsalves

Jason A. Gonsalves

Paul A. Gonsalves

PROFESSIONAL LEGISLATIVE REPRESENTATION

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Email: gonsalves@gonsalvi.com

TO: South Coast Air Quality Management District

FROM: Anthony, Jason & Paul Gonsalves

SUBJECT: Legislative Update – December 2017

DATE: Tuesday, January 2, 2018

As you know, the state Legislature adjourned on Friday, September 15, 2017 and will reconvene on Wednesday, January 3, 2018.

There are more than 1,600 2-year bills that remain from the 2017 legislative session, which are eligible to be heard in January when state legislators return. Currently, the Legislature, like many other industries, is focused on sexual harassment allegations. These allegations have led to the resignation of Assemblymembers Raul Bocanegra and Matt Dababneh, along with the stripping of Senator Tony Mendoza's leadership positions while an external investigation of the allegations against him is being conducted. Additionally, Assemblymember Sebastian Ridley-Thomas has resigned from his position citing ongoing health concerns.

Meanwhile, Assemblymember Jimmy Gomez was elected to the 34th Congressional District and his replacement, Assemblymember Wendy Carrillo, was sworn in on December 18th. The Assembly now has 52 democrats, 2 short of the 54 needed for a supermajority.

The following will provide you with the upcoming Legislative Deadlines:

2018 LEGISLATIVE DEADLINES

Jan. 1 Statutes take effect.

Jan. 3 Legislature reconvenes.

Jan. 10 Budget must be submitted by Governor.

Jan. 12 Last day for **policy committees** to hear and report to **fiscal committees** fiscal bills introduced in their house in the odd-numbered year.

Jan. 19 Last day for any committee to hear and report to the **Floor** bills introduced in that house in the odd-numbered year. Last day to submit **bill requests** to the Office of Legislative Counsel.

Jan. 31 Last day for each house to pass **bills** introduced in that house in the odd-numbered year.

Feb. 16 Last day for bills to be **introduced**.

Mar. 22 Spring Recess begins upon adjournment.

Apr. 2 Legislature reconvenes from Spring Recess.

Apr. 27 Last day for **policy committees** to hear and report to fiscal committees **fiscal bills** introduced in their house.

May 11 Last day for **policy committees** to hear and report to the Floor **nonfiscal** bills introduced in their house.

May 18 Last day for **policy committees** to meet prior to June 4.

May 25 Last day for **fiscal committees** to hear and report to the **Floor** bills introduced in their house. Last day for **fiscal committees** to meet prior to June 4.

May 29-June 1 Floor session only. No committee may meet for any purpose except for Rules Committee, bills referred pursuant to Assembly Rule 77.2, and Conference Committees.

June 1 Last day for each house to pass bills introduced in that house.

June 4 Committee meetings may resume.

June 15 Budget Bill must be passed by midnight.

June 28 Last day for a legislative measure to qualify for the Nov. 6 General Election ballot.

June 29 Last day for **policy committees** to hear and report **fiscal bills** to fiscal committees.

July 6 Last day for **policy committees** to meet and report bills. **Summer Recess** begins on adjournment, provided Budget Bill has been passed.

Aug. 6 Legislature reconvenes from Summer Recess.

Aug. 17 Last day for **fiscal committees** to meet and report bills.

Aug. 20-31 Floor session only. No committee may meet for any purpose except Rules Committee.

Aug. 24 Last day to **amend** on Floor.

Aug. 31 Last day for each house to pass bills. **Final Recess** begins on adjournment.

ATTACHMENT 4

SCAQMD Draft Legislative Proposal to Modernize and Streamline SCAQMD's Public Notice Requirements

Problem: SCAQMD and other local air districts are required by state law to send out mass paper mailings to allow for public notice of public hearings, rulemaking processes, and other functions. However, these efforts are costly, outdated and inefficient in reaching members of the public.

Summary: This bill proposal would seek to modernize and streamline outdated and costly public notice requirements involved with SCAQMD public hearings, rulemaking processes, and other functions so they are more efficient and cost-effective.

Specifically, this bill would seek to change current burdensome and inefficient mass mailing requirements to allow for reasonable, modernized and cost-effective methods of notice to the public, including the use of electronic mail, social media and internet postings and communications when possible and practicable. This bill would provide a better approach to current requirements that call for sending out large amounts of costly paper mail. However, paper mail notification would still be utilized if notification by electronic methods is not feasible.

SCAQMD generally spends up to \$100,000 dollars per year on postage costs relating to public notice requirements. This bill could reduce these costs and provide more efficient and cost-effective methods for public notice that allow for increased public awareness of clean air issues and increased public participation in the process of helping to achieve clean air and thereby protect public health.

ATTACHMENT 5



**South Coast
Air Quality Management District**
21865 Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • www.aqmd.gov

HOME RULE ADVISORY GROUP Wednesday, November 8, 2017 MEETING MINUTES

CHAIR:

Dr. Joseph Lyou, Governing Board member

MEMBERS PRESENT:

Curt Coleman (Southern California Air Quality Alliance); Michael Downs (Downs Energy);-Jaclyn Ferlita (Air Quality Consultants); Bill LaMarr (California Small Business Alliance); Lauren Nevitt (Southern California Gas); Kristen Torres Pawling (County of Los Angeles, Chief Sustainability Office); Terry Roberts (American Lung Association of California); David Rothbart (Los Angeles County Sanitation District); and TyRon Turner (Dakota Communications).

The following members participated by conference call: Rongsheng Luo (SCAG) and Janet Whittick (California Council for Environmental & Economic Balance).

MEMBERS ABSENT:

Micah Ali (Compton Unified School District Board of Trustees); Mike Carroll (Regulatory Flexibility Group); Nan Harrold (Orange County Waste & Recycling); Art Montez (AMA International); Penny Newman (Center for Community Action and Environmental Justice); Larry Rubio (Riverside Transit Agency); Larry Smith (Cal Portland Cement); and Amy Zimpfer (EPA).

OTHER ATTENDEES:

Mark Abramowitz (Board Consultant to Dr. Lyou); Charlene Contreras (Los Angeles County Department of Public Health); Johnny Raymond (CARB); and Weinke Tax (EPA).

SCAQMD STAFF:

Philip Fine	Deputy Executive Officer
Sarah Rees	Assistant Deputy Executive Officer
William Wong	Principal Deputy District Counsel
Philip Crabbe	Community Relations Manager
Pedro Piqueras	Air Quality Specialist
Ann Scagliola	Administrative Secretary

OPENING COMMENTS AND SELF-INTRODUCTIONS

The meeting was called to order at 10:00 a.m. by Dr. Joseph Lyou (Chairman).

APPROVAL OF SEPTEMBER 2017 MEETING MINUTES

Dr. Lyou asked for comments on the September 13, 2017 meeting minutes. Bill LaMarr inquired if Matt Miyasato was advised of the Tribal DERA funding. Dr. Fine responded that he spoke with Dr. Miyasato about this. Mr. LaMarr also requested clarification on the Rule 1466 presentation

summary (page 5), and the word provided was deleted. Mr. LaMarr requested further clarification on the Report to and from Stationary Source Committee discussion (page 7), as to which Committee was being referenced. Dr. Lyou indicated that the discussion was for the Stationary Source Committee. Once the correction and clarifications were provided, the meeting minutes were approved and finalized.

EPA AND FEDERAL ACTIVITIES

Weinke Tax-provided an update on recent U.S. Environmental Protection Agency (EPA) and federal activities.

National Updates

- There is no political appointee yet for Region 9 Regional Administrator;
- Bill Wehrum was nominated as EPA Assistant Administrator for the Office of Air and Radiation and the vote is scheduled for November 9, 2017; and
- On November 6, 2017, there were some initial designations for attainment areas for the national ambient air quality standard (NAAQS) for ozone. Fact sheets are available.

Air Planning and Rulemaking

- On September 14, 2017, there was a final approval of the most recent set of RECLAIM rules. This allowed EPA, in combination with another submittal from South Coast Air Quality Management District (SCAQMD), on September 20, 2017 to publish a final approval of the 2008 Ozone RACT SIP. On October 10, 2017 there was a proposed approval of the RACM/RACT demonstration for 2006 Moderate Area PM2.5 Plan. Also signed was an interim final notice to defer sanctions with a comment period end date of November 9, 2017; and
- On October 23, 2017, a completeness letter was issued for SCAQMD and Coachella Valley VMT offset and for SCAQMD refuels for boilers. This action turned off the sanctions clock related to failure to submit.

Air Permitting

- On September 25, 2017, a synthetic minor permit was issued for the San Manuel Casino under the Tribal Minor New Source Review Program; and
- On June 20, 2017; EPA concluded that Federal PFC permitting revisions do not apply to the Tesoro Los Angeles Refinery integration and compliance project.

Grants

- There were six DERA competitive grants awarded in the Fall of 2017;
- Tribal DERA Program request for proposal period will close on January 18, 2018; and
- Targeted Air Shed Grants request for proposal period closed on October 18, 2017.

Technology and Toxics

- Media event on November 8, 2017 for the Siemens ehighway demo project;
- San Joaquin co-hosted an electric truck refrigeration unit demonstration project on October 11, 2017;
- EPA is working with state and federal partners in California, Oregon and Washington to facilitate alternate fuel infrastructure planning and deployment to support low and zero emission medium and heavy duty fleet operations; and
- EPA's National Air Toxics Assessment is scheduled to be released during the summer of 2018.

Discussion

Rongsheng Luo inquired if any comments were received on the actions for the exemptions. Weinke Tax indicated that four comments were received.

Dr. Lyou inquired if SCAQMD is good for the immediate future on sanction clock issues. Weinke Tax replied that there are still a few remaining NSR issues related to ozone, but EPA is working closely with SCAQMD and CARB to resolve.

AB 617 IMPLEMENTATION

Karen Magliano and Dr. Philip Fine provided presentations regarding AB 617 implementation for CARB and SCAQMD.

Discussion

Bill LaMarr commented that 99.2 percent of the businesses in California are small businesses, these businesses employ members of the community and the business owners usually live within the community. Mr. LaMarr suggested that CARB include the small business community in meetings with business organizations and groups, for what they can offer. Ms. Magliano indicated that in initial meetings community members expressed these concerns and that while incentive funding in the initial round is mainly focused on the Carl Moyer Program, when they get into the communities there may be financial assistance needed for emission reduction costs. Dr. Fine added that the legislation and discussions for working and advisory groups will include industry and business representatives.

Janet Whittick asked if the working groups would be formed before or after the concept paper, and if after what is the best way to scope out the initial concept. Ms. Magliano indicated that the working or advisory groups would be formed before the concept paper.

David Rothbart inquired about the coordination between CARB and the air districts, specifically the potential overlap in requirements and if there were discussions on where there could be duplicative regulations. Ms. Magliano indicated that inter-agency discussions have already started, specifically on emissions reporting, and to avoid dual reporting systems.

Kristen Pawling commented that she had invited Charlene Contreras from the Los Angeles Public Health Department to the meeting to address prior comments made regarding the role of the Public Health Department, to share the work that the Public Health Department is involved on environmental justice issues and the desire to build a bridge with Los Angeles County on AB 617 issues and to encourage the District to do the same. Charlene Contreras, Environmental Health Services Manager, introduced herself and expressed that the Los Angeles County Department of Public Health Board has a priority of environmental health oversight to engage in environmental justice efforts. Ms. Contreras also indicated that there are communities that have already been targeted for risk reductions and expressed appreciation for the approach and the willingness by CARB and SCAQMD to work with local initiatives and to possibly leverage some of the work that they are already doing.

Dr. Lyou asked Ms. Contreras if she was aware of the motion being brought forward by Supervisors Hahn and Barger to explore the enforcement authority of the Department of Public Health. He also explained that the Health and Safety Code which indicates that local agencies can adopt more stringent, non-vehicular standards, and then offered the assistance of the SCAQMD legal counsel. Curt Coleman indicated that the motion does state that the District staff is supposed to provide assistance, if the Department of Public Health lacks the technical expertise.

Lauren Nevitt commented that the stakeholders are not aware how quickly that implementation will happen, it would be helpful to focus people on the timeframe and the community identification process. Ms. Nevitt also inquired if there is criteria on how the community will be selected, and the nomination process. Dr. Fine replied that this is an active point of discussion with the agencies working groups.

Lauren Nevitt indicated that a pressure point is the funding. Dr. Fine replied that there is a strong desire by all the districts to get the money out quickly and there are active discussions on how to do this.

Dr. Lyou inquired where the funds would come from since separate sources of funds were appropriated and the \$250M seems to be appropriated directly to the districts, not through the Air Resources Board. Ms. Magliano said that the \$250M and the \$27M were appropriated by the legislature through slightly different funding mechanisms and both would come through CARB first and then they would be allocated out to the air districts. Ms. Magliano further indicated that CARB will continue to work with CAPCOA and the air districts to expedite the distribution process.

Bill LaMarr inquired about the additional personnel needed at CARB and the District. Ms. Magliano indicated around 72 full time employees (FTEs) for CARB, some of which would be intermittent. Dr. Fine added that it could be anywhere from 20 to 30 new FTEs for SCAQMD, which does not take into account the funding budget for future years. Mr. LaMarr also expressed, with funding for only one year, are there discussions for an increase in fees or charges to individual businesses for the additional mandated services. Dr. Fine commented that initially legislators considered for regulated entities to cover the related costs, but the District continues to explore cost recovery mechanisms and at this time nothing has been finalized. Mr. LaMarr further commented that the funding has to come from somewhere. Dr. Lyou encouraged Mr. LaMarr to bring this topic up at the next Budget Workshop.

David Rothbart inquired about the regulation framework which would determine who is responsible for doing what, the levels of responsibility and whether it will be reviewed as part of the public review process. Dr. Fine indicated that CARBs obligation is to create a statewide framework on how districts would develop their community reduction plans and there will be some flexibility on how a community reduction plan would be implemented. Dr. Fine further explained how mobile sources are the primary toxic risk where strategy assistance will be needed. Ms. Magliano added that if you look at the federal Clean Air Act where EPA sets out broad requirements, benchmarks, and there are the state and local development and review, within California there will be a similar review concept with a focus on the challenges in specific communities.

Lauren Nevitt inquired if the Clean Communities Plan would be a possible blueprint model and if other air districts have made similar efforts. Dr. Fine indicated that the Bay Area has made similar efforts and that the Clean Communities Plan would be a good model for SCAQMD for community outreach, identification of specific air quality issues and the coordination with other entities. Dr. Fine further clarified that the AB 617 implementation process will be more formal, similar to mini-Air Quality Management Plans.

Bill LaMarr commented that Clean Communities Plan did involve business representatives and it also helped identify many unpermitted sources within communities, which were good features.

Janet Whittick inquired if the districts were going to nominate and prioritize within regions and would CARB look to prioritize statewide or within the regions. Ms. Magliano indicated that it would ultimately be a little of both.

Rongsheng Luo asked if CARB planned to develop guidelines on AB 617 implementation. Ms. Magliano expressed that there will be guidelines within the statewide and monitoring strategies. Mr. Luo also inquired if the \$250M is only for mobile sources or will stationary sources be included. Ms. Magliano indicated the first round is statutorily focused on Moyer and Proposition 1B, but going forward there is the possibility that the incentive funding would be expanded. Dr. Fine commented that the District is working towards identifying available funding to put together a package on stationary source incentive funding. Mr. Luo further inquired how AB 617 relates to the implementation of the 2016 AQMP, specifically in terms of the SIP credits and how it relates to the facility-based measures. Dr. Fine indicated there are some overlaps in the incentives with a community geographical focus and on the regulatory side it is less clear on how this will tie together, since there could be regulations at the state or local level that may help achieve AQMP goals.

Dr. Lyou expressed the following thoughts, ideas and considerations.

- For the BARCT and BACT requirements, this is an opportunity for businesses to be recognized for their retro-fit technology, and we should point this out the good actors to the communities.
- In terms of timing, it seems communities may not be identified by the time that the money needs to be spent. *Dr. Fine indicated for the long term this is true, but there are on-going discussions for the first round to identify communities impacted by mobile sources, staff would then work with CARB to get that money out quicker.*
- Some communities may feel like they are being left behind and we need to take a long view of this, because it will take time to get to all of the communities that we think are deserving.
- Everyone needs to recognize that this is not happening overnight and it may take a longer period of time to get the focused attention that the first identified communities will be getting.
- You need to already have some degree of community engagement for those being considered and familiarity to what is going on.
- As we have seen with the Clean Community Program, it is very difficult to start from building and supporting a community to capacity, get them up to speed and being engaged, and for them to stay engaged over time.
- There are many communities who are very deserving and are already well organized and already engaged, and we want to take advantage of those communities.
- We need to make sure that we get going on this as soon as possible and we also need to consider what the existing community capacity engagement is. *Dr. Fine indicated that this is one of the criteria that CARB has on their preliminary list.*
- Could the analytical and data system used in the Torrance area for refineries be used for other communities? *Dr. Fine indicated that this was a possibility, since this is the platform that we are already using for our data management systems.*
- We should also make sure that other people can access the data, because this could result in cost savings. *Dr. Fine indicated that we would like to have one system that collects the data from the Basin, that CARB can have access to and possibly a statewide website that people can choose what community data they want to look at.*
- To achieve SIP credit and emission reductions is the objective.
- We have to appreciate that some of the data will be qualitative and will be difficult, but we need to know that there are benefits.
- We should measure, track and quantify what we can, but also not be afraid to pursue things that we inherently know will lead to qualitatively better situations for the communities.

Kristen Pawling commented that she could extend invitations to the Local Governments for the County and City of Los Angeles Planning Departments to possibly attend a future meeting to update members on jurisdictions where future discussions may be needed on land use. Dr. Lyou indicated that even though this is not explicit in AB 617, this is something that should be addressed.

CARB REGULATORY ACTIVITIES

Johnnie Raymond provided a report on the following items scheduled to go before CARB's Board in November 2017.

- Approval of the 2016 Ozone SIP for the Sacramento nonattainment region;
- Approval of the Chico PM2.5 Maintenance Plan;
- Proposed Fiscal Year 2017-18 Funding Plan for low carbon transportation investments and the Air Quality Improvement Plan; and
- Proposed amendments to the Statewide Portable Equipment Registration Program regulation and the airborne toxic control measures for diesel-fueled portable engines.

Additional Related Efforts

- Environmental Justice Advisory Committee meeting on November 13, 2017, to form recommendations to the AB 32 Scoping Plan;
- Public Meeting on November 14, 2017, to discuss air quality monitoring in neighborhoods near oil and gas facilities
- AB 617 San Diego community meeting on November 28, 2017, to discuss freight activities.

Discussion

Kristen Torres Pawling reported that the SB 375 update is being delayed and will not go before CARB's Board in November.

LEGISLATIVE UPDATE

Philip Crabbe provided a recap of the October 13, 2017 Legislative Committee meeting.

Federal Legislative Issues

SCAQMD's federal legislative consultants each provided a written report on various key Washington, D.C. issues. Copies of those are available as part of the Legislative Committee package. The consultants also provided verbal updates.

With regard to possible future infrastructure legislation, it was stated that President Trump could potentially be amenable to putting more federal money into the package. However, the public focus is on tax reform right now, but infrastructure will likely be the next big thing after that, either later this year or early next year.

Also, the EPA has come out with a repeal notice on the Clean Power Plan from the Obama Administration. While this action was not unexpected, the EPA is taking a different approach to what the Clean Air Act allows and what the authority is with regard to regulating power plants. The EPA adjusted the cost-benefit analysis, which was a major announcement in Washington, D.C.

It was also reported that the Department of Energy released a proposal which would potentially provide the ability to charge higher rates for energy generation from coal and nuclear facilities. It was stated that this proposal is in the form of a petition before the Federal Energy Regulatory Commission (FERC) and is not legislative. It is believed that this would put at a disadvantage any type of energy developers other than that for coal and nuclear. Further, there are tight timelines on

this proposal. The proposal's potential impacts to the energy market would be very significant. However, predicting the outcome of this highly unusual proposal is very difficult.

Also, the Senate Appropriations Committee announced that its markup of the interior appropriations bill which oversees the EPA budget will occur soon. The U.S. House of Representatives (House) has completed its appropriations work and is waiting for the Senate's version of the bill. The Congressional session runs through December 8, 2017. However, there is talk by Congressional leadership that Congress may stay in session until Christmas in an effort to get a tax bill completed.

In October 2017, there was staff trip to Washington, D.C. to visit the Vice President's office as well as Congressional members' offices, for discussions on the glider kit issue, truck retrofit rules, DERA reauthorization and the effort to add clean air funding to any future infrastructure legislation.

State Legislative Issues

SCAQMD's state legislative consultants provided written reports along with verbal updates at the meeting.

It was stated that the Legislature adjourned on September 15, 2017, but not before sending Governor Brown over 1,300 bills for consideration. The Governor had until October 15, 2017, to take action on those bills.

At the committee a Summary End-of-Year Report on State Legislature's and Governor's Action on 2017 Legislation was presented.

Philip Crabbe stated that both bills sponsored by SCAQMD, AB 1274 and AB 1132, passed the Legislature and were signed by Governor Brown. AB 1274, by Assembly Member O'Donnell, will redirect funds to the Carl Moyer Program, including about \$30 million per year that will benefit the South Coast region starting in 2019, and there is no sunset date on this funding source. Mr. Crabbe further explained that AB 1132, by Assembly Member Cristina Garcia, creates a critical new tool that will help protect disadvantaged communities from serious toxic emissions.

Further, the cap-and-trade program was extended until 2030 by AB 398, authored by Assemblyman Eduardo Garcia. The bill aims to meet greenhouse gas reduction targets of 40 percent below 1990 levels by 2030 and has already begun to reaffirm the cap-and-trade auction process to ensure that future GGRF funding will be generated in the coming years.

The committee was also updated on two budget trailer bills, AB 109 and AB 134, which allocated \$1.5 billion in GGRF monies. From AB 109, SCAQMD will receive a portion of \$27 million made available statewide to local air districts to fund initial implementation of the new duties and responsibilities mandated by AB 617 for the first year; from AB 134, the South Coast region will receive \$107.5 million of increased Carl Moyer funding.

Philip Crabbe noted that AB 134 also provides \$645 million in additional statewide funding, including: \$180 million for Hybrid and Zero-Emission Truck and Bus Voucher Incentive Program; \$140 million for the Clean Vehicle Rebate Program for rebates for light-duty vehicles; \$140 million for equipment and improvements at ports; \$100 million for the Enhanced Fleet Modernization Program and \$85 million for reducing agricultural emissions through agricultural equipment, heavy-duty truck and tractor retrofit and replacement. In addition, SB 132, provided \$50 million for a competitive zero and near-zero emission warehouse program.

Other Bills of Interest

AB 615 (Cooper), was signed into law. AB 615 extended the income caps for the Clean Vehicle Rebate Project.

AB 739 (Chau), signed by the Governor, would require at least 15 percent of heavy-duty vehicles purchased by state agencies to be zero-emission beginning in 2025, and at least 30 percent of those vehicles to be ZEV beginning in 2030.

AB 1647 (Muratsuchi) which was discussed previously and deals with monitoring at and around refineries, was signed into law and will affect SCAQMD's Proposed Rule 1180.

The Legislative Committee also considered H.R. 3682 (Lowenthal) Blue Whales and Blue Skies Act. This bill calls on the National Oceanic and Atmospheric Administration's (NOAA) Office of National Marine Sanctuaries to establish annual Blue Whales and Blue Skies Excellence Awards to recognize shipping companies for voluntarily reducing speeds in the Santa Barbara Channel region below 12 knots, or for participating in the Port of Los Angeles' or Port of Long Beach's voluntary vessel speed reduction programs. The goal of the bill is to reduce both air pollution emissions and the risk of fatal ship strikes on whales. Within the next four years, NOAA would assess the feasibility of extending the voluntary program to encompass all shipping channels along the U.S. Pacific Coast between Canada and Mexico. If the program were to be extended to all shipping channels along the Pacific coast, it would help reduce NOx emissions within the South Coast region. Staff recommended a position of SUPPORT on this bill. However, the Legislative Committee made a recommendation to not support this bill.

UPDATE REGARDING LITIGATION ITEMS AND RELATED EPA ACTIONS

William Wong proved an update to the litigation status report handout.

- Case #9 – There was a tentative decision, however the decision is not final.

SUBCOMMITTEE STATUS REPORTS

A. Freight Sustainability (Dan McGivney)

Lauren Nevitt provided updates on the following items.

- The San Pedro Bay Port Draft Clean Air Action Plan (CAAP) was adopted November 2, 2017;
- The new heavy-duty 12 liter Cummins engine will be available in 2018; and
- The draft California Rail Plan was released for public review on October 11, 2017 and the comment end date is December 11, 2017, upcoming workshops will be held in San Bernardino and Los Angeles.

B. Small Business Considerations (Bill LaMarr)

Bill LaMarr provided a summary of the following Small Business Considerations Subcommittee activities.

- Participated in working group meetings for RECLAIM, Rule 1469 and AQMP Funding;
- Arranged a demonstration/walk-through for the Korean and California Cleaner Associations on the District's new epermit online application process.

C. Environmental Justice (Curt Coleman)

There was no report.

D. Climate Change (David Rothbart)

David Rothbart reported that CARB released the latest draft of the 2017 Climate Change Scoping Plan in October 2017, which will then go to the CARB Board at their December 14, 2017 meeting.

REPORT FROM AND TO THE STATIONARY SOURCE COMMITTEE

Dr. Philip Fine provided a recap of items from the October meeting and on the November 2017 agenda.

October

- Update report on the permit backlog and automation efforts;
- Updates on proposed amendments to Rules 1466 and 1180;
- Removal of 1148.3 from the agenda;
- Quarterly report on the RECLAIM; and
- Update on tBac white paper.

November

- Action Item – proposed amendments to Rule 1111 and issuance of RFP for Consumer Rebate Program for compliant natural gas-fired, fan-type central furnaces; and
- Updates on proposed amendments to Rules 1111, 2001, 2002 and 1469.

Discussion

Dr. Lyou commented that CARB is working with the San Joaquin Valley Air Pollution Control District on their PM2.5 SIP submission, for commitments on under-fired charbroilers. Staff indicated that they have noted this and there are on-going efforts with the College of Engineering, Center for Environmental Research and Technology (CE-CERT) to locate additional cost-effective controls.

APPROVAL OF THE 2018 HOME RULE ADVISORY SCHEDULE

The Home Rule Advisory Group confirmed and Dr. Lyou approved the following meeting schedule for 2018.

January 10	May 9	September 12
March 14	July 11	November 14

Note: All meetings are scheduled to begin at 10:00 a.m. and will be held in Conference Room CC-8.

2017 ACCOMPLISHMENTS AND 2018 GOALS & OBJECTIVES

Dr. Lyou requested any recommendations or changes for the provided Home Rule Advisory Group 2017 Accomplishments and the 2018 Goals and Objectives.

Discussion

Bill LaMarr commented that not all of the submitted 2017 Small Business Considerations accomplishments were included. Staff assured Mr. LaMarr that the report is in draft format and all submitted accomplishments will be included.

OTHER BUSINESS

There were no comments.

PUBLIC COMMENT

There were no comments.

ADJOURNMENT

The meeting was adjourned at 12:08 p.m. The next meeting of the Home Rule Advisory Group is scheduled for 10:00 a.m. on January 10, 2018, and will be held at SCAQMD in Conference Room CC-8.

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 23

REPORT: Mobile Source Committee

SYNOPSIS: The Mobile Source Committee held a meeting on Friday, January 19, 2018. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Dr. Joseph Lyou, Vice Chair
Mobile Source Committee

PMF:AF

Committee Members

Present: Dr. Joseph Lyou/Vice Chair, Supervisor Marion Ashley (videoconference), Mayor Larry McCallon, Mayor Pro Tem Judith Mitchell, and Supervisor Hilda L. Solis

Absent: Dr. Clark E. Parker, Sr./Chair

Call to Order

Vice Chair Dr. Lyou called the meeting to order at 9:00 a.m.

INFORMATIONAL ITEM:

1. Progress Report of Year-Round Electric Lawn Mower Rebate Program

Vasken Yardemian, Program Supervisor, updated the Committee on the progress of the Year-Round Electric Lawn Mower Rebate Program. Supervisor Solis asked whether information on zip codes of program participants within Los Angeles County is available to better understand where more outreach can be implemented. Staff will provide the requested information. She also asked to expand the outreach efforts to unincorporated areas within the Southeastern portion of Los Angeles County. Staff will provide the requested information. Supervisor Ashley asked about the expected duration of the program. Staff responded that the program is ongoing and there are funds available for the next two years. Mayor Pro Tem Mitchell asked how many scrapping locations were available to the public. Staff responded that there are

currently 15 approved scrapping locations and staff plans to increase the number of scrapping facilities with inclusion of locations at small business-owned lawn and garden stores. Mayor McCallon asked how scrapping is verified. Staff responded that each time a gasoline lawn mower is scrapped, a verification form is signed and stamped by the licensed scrapper. The companies used are also involved in other programs with SCAQMD and the forms are under penalty of perjury. Vice Chair Lyou encouraged the use of social media outreach to promote this program, including the demonstration of battery-powered lawn mowers at outreach events. Supervisor Solis asked to have the outreach flyers provided in Chinese, Vietnamese and Korean, in addition to Spanish.

WRITTEN REPORTS:

2. Rule 2202 Activity Report: Rule 2202 Summary Status Report

This item was received and filed.

3. Monthly Report on Environmental Justice Initiatives: CEQA Document Commenting Update

This item was received and filed.

OTHER MATTERS:

4. Other Business

There was no other business.

5. Public Comment Period

There were no public comments.

6. Next Meeting Date:

The next regular Mobile Source Committee meeting is scheduled for Friday, February 16, 2018.

Adjournment

The meeting adjourned at 9:21 a.m.

Attachments

1. Attendance Record
2. Rule 2202 Activity Report – Written Report
3. Monthly Report on Environmental Justice Initiatives: CEQA Document Commenting Update – Written Report

ATTACHMENT 1

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT MOBILE SOURCE COMMITTEE MEETING Attendance – January 19, 2018

Dr. Joseph Lyou	SCAQMD Board Member
Mayor Larry McCallon	SCAQMD Board Member
Council Member Judith Mitchell	SCAQMD Board Member
Supervisor Marion Ashley (Videoconference)	SCAQMD Board Member
Supervisor Hilda L. Solis	SCAQMD Board Member
Mark Abramowitz	Board Consultant (Lyou)
David Czamanske	Board Consultant (Cacciotti)
Andy Silva	Board Consultant (Rutherford)
Curt Coleman	Southern CA Air Quality Alliance
Harvey Eder	Public Solar Power Coalition
Bill LaMarr	California Small Business Alliance
Daniel McGivney	SoCalGas
David Rothbart	Los Angeles County Sanitation Districts
Susan Stark	Andeavor
Barbara Baird	SCAQMD Staff
Arlene Farol	SCAQMD Staff
Philip Fine	SCAQMD Staff
Carol Gomez	SCAQMD Staff
Rosalee Mason	SCAQMD Staff
Fred Minassian	SCAQMD Staff
Matt Miyasato	SCAQMD Staff
Wayne Nastri	SCAQMD Staff
Robert Paud	SCAQMD Staff
Lijin Sun	SCAQMD Staff
Laki Tisopulos	SCAQMD Staff
Kurt Wiese	SCAQMD Staff
Jill Whynot	SCAQMD Staff
Kim White	SCAQMD Staff
Vasken Yardemian	SCAQMD Staff



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • www.aqmd.gov

Rule 2202 Summary Status Report

Activity for January 1, 2017 to December 31, 2017

Employee Commute Reduction Program (ECRP)	
# of Submittals:	476

Emission Reduction Strategies (ERS)	
# of Submittals:	720

Air Quality Investment Program (AQIP) Exclusively		
County	# of Facilities	\$ Amount
Los Angeles	54	\$ 360,260
Orange	16	\$ 188,098
Riverside	3	\$ 34,440
San Bernardino	8	\$ 42,711
TOTAL:	82	\$ 625,509

ECRP w/AQIP Combination		
County	# of Facilities	\$ Amount
Los Angeles	11	\$ 49,020
Orange	3	\$ 20,701
Riverside	1	\$ 8,131
San Bernardino	3	\$ 19,580
TOTAL:	18	\$ 97,432

Total Active Sites as of December 31, 2017

ECRP (AVR Surveys)			TOTAL Submittals w/Surveys	AQIP	ERS	TOTAL
ECRP ¹	AQIP ²	ERS ³				
500	20	3	523	104	729	1,356
36.87%	1.47%	0.22%	38.57%	7.67%	53.76	100% ⁴

Total Peak Window Employees as of December 31, 2017

ECRP (AVR Surveys)			TOTAL Submittals w/Surveys	AQIP	ERS	TOTAL
ECRP ¹	AQIP ²	ERS ³				
373,286	6,961	342	380,589	15,838	338,237	734,664
50.81%	.95%	0.05%	51.8%	2.16%	46.04%	100% ⁴

- Notes:**
1. ECRP Compliance Option.
 2. ECRP Offset (combines ECRP w/AQIP). AQIP funds are used to supplement the ECRP AVR survey shortfall.
 3. ERS with Employee Survey to get Trip Reduction credits. Emission/Trip Reduction Strategies are used to supplement the ECRP AVR survey shortfall.
 4. Totals may vary slightly due to rounding.

BOARD MEETING DATE: February 2, 2018

AGENDA NO.

REPORT: Lead Agency Projects and Environmental Documents Received By SCAQMD

SYNOPSIS: This report provides, for the Board's consideration, a listing of CEQA documents received by the SCAQMD between December 1, 2017 and December 31, 2017, and those projects for which the SCAQMD is acting as lead agency pursuant to CEQA.

COMMITTEE: Mobile Source, January 19, 2018; Reviewed

RECOMMENDED ACTION:
Receive and file.

Wayne Natri
Executive Officer

PF:SN:MK:LS:LW

CEQA Document Receipt and Review Logs (Attachments A and B) – Each month, the SCAQMD receives numerous CEQA documents from other public agencies on projects that could adversely affect air quality. A listing of all documents received and reviewed during the reporting period December 1, 2017 through December 31, 2017 is included in Attachment A. A list of active projects from previous reporting periods for which SCAQMD staff is continuing to evaluate or has prepared comments is included in Attachment B. A total of 81 CEQA documents were received during this reporting period and 33 comment letters were sent. There are no notable projects to report.

The Intergovernmental Review function, which consists of reviewing and commenting on the adequacy of the air quality analysis in CEQA documents prepared by other lead agencies, is consistent with the Board's 1997 Environmental Justice Guiding Principles and Environmental Justice Initiative #4. As required by the Environmental Justice Program Enhancements for FY 2002-03 approved by the Board in October 2002, each of the attachments notes those proposed projects where the SCAQMD has been contacted regarding potential air quality-related environmental justice concerns. The SCAQMD has established an internal central contact to receive information on projects with

potential air quality-related environmental justice concerns. The public may contact the SCAQMD about projects of concern by the following means: in writing via fax, email, or standard letters; through telephone communication; as part of oral comments at SCAQMD meetings or other meetings where SCAQMD staff is present; or by submitting newspaper articles. The attachments also identify for each project the dates of the public comment period and the public hearing date, if applicable, as reported at the time the CEQA document is received by the SCAQMD. Interested parties should rely on the lead agencies themselves for definitive information regarding public comment periods and hearings as these dates are occasionally modified by the lead agency.

At the January 6, 2006 Board meeting, the Board approved the Workplan for the Chairman's Clean Port Initiatives. One action item of the Chairman's Initiatives was to prepare a monthly report describing CEQA documents for projects related to goods movement and to make full use of the process to ensure the air quality impacts of such projects are thoroughly mitigated. In response to describing goods movement, CEQA documents (Attachments A and B) are organized to group projects of interest into the following categories: goods movement projects; schools; landfills and wastewater projects; airports; general land use projects, etc. In response to the mitigation component, guidance information on mitigation measures were compiled into a series of tables relative to: off-road engines; on-road engines; harbor craft; ocean-going vessels; locomotives; fugitive dust; and greenhouse gases. These mitigation measure tables are on the CEQA webpages portion of the SCAQMD's website at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mitigation-measures-and-control-efficiencies>. Staff will continue compiling tables of mitigation measures for other emission sources, including airport ground support equipment and other sources.

As resources permit, staff focuses on reviewing and preparing comments for projects: where the SCAQMD is a responsible agency; that may have significant adverse regional air quality impacts (e.g., special event centers, landfills, goods movement, etc.); that may have localized or toxic air quality impacts (e.g., warehouse and distribution centers); where environmental justice concerns have been raised; and those projects for which a lead or responsible agency has specifically requested SCAQMD review. If staff provided written comments to the lead agency as noted in the column "Comment Status," there is a link to the "SCAQMD Letter" under the Project Description. In addition, if staff testified at a hearing for the proposed project, a notation is provided under the "Comment Status." If there is no notation, then staff did not provide testimony at a hearing for the proposed project.

During the period December 1, 2017 through December 31, 2017, the SCAQMD received 81 CEQA documents. Of the total of 103 documents* listed in Attachments A and B:

- 33 comment letters were sent;
- 37 documents were reviewed, but no comments were made;
- 20 documents are currently under review;
- 5 documents did not require comments (e.g., public notices);
- 0 documents were not reviewed; and
- 8 documents were screened without additional review.

* These statistics are from December 1, 2017 to December 31, 2017 and may not include the most recent “Comment Status” updates in Attachments A and B.

Copies of all comment letters sent to lead agencies can be found on the SCAQMD’s CEQA webpage at the following internet address:

<http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>.

SCAQMD Lead Agency Projects (Attachment C) – Pursuant to CEQA, the SCAQMD periodically acts as lead agency for stationary source permit projects. Under CEQA, the lead agency is responsible for determining the type of CEQA document to be prepared if the proposal is considered to be a “project” as defined by CEQA. For example, an Environmental Impact Report (EIR) is prepared when the SCAQMD, as lead agency, finds substantial evidence that the proposed project may have significant adverse effects on the environment. Similarly, a Negative Declaration (ND) or Mitigated Negative Declaration (MND) may be prepared if the SCAQMD determines that the proposed project will not generate significant adverse environmental impacts, or the impacts can be mitigated to less than significance. The ND and MND are written statements describing the reasons why proposed projects will not have a significant adverse effect on the environment and, therefore, do not require the preparation of an EIR.

Attachment C to this report summarizes the active projects for which the SCAQMD is lead agency and is currently preparing or has prepared environmental documentation. As noted in Attachment C, the SCAQMD continued working on the CEQA documents for five active projects during December.

Attachments

- A. Incoming CEQA Documents Log
- B. Ongoing Active Projects for Which SCAQMD Has or Will Conduct a CEQA Review
- C. Active SCAQMD Lead Agency Projects

ATTACHMENT A*
INCOMING CEQA DOCUMENTS LOG
December 01, 2017 to December 31, 2017

<u>SCAQMD LOG-IN NUMBER</u>	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
PROJECT TITLE				
<i>Warehouse & Distribution Centers</i>	The proposed project consists of construction of a 466,402-square-foot warehouse on 697,271 square feet. The project is located on the northwest corner of Orchard Avenue and Redondo Beach Boulevard.	Mitigated Negative Declaration	City of Los Angeles	SCAQMD staff commented on 12/19/2017
LAC171201-01 ENV-2017-1015: 15116-15216 S. Vermont Ave. & 747-761 W. Redondo Beach Blvd.	http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-15116vermontave-121917.pdf Comment Period: 11/30/2017 - 1/2/2018 Public Hearing: N/A			
<i>Warehouse & Distribution Centers</i>	The proposed project consists of demolition of 78,402 square feet of industrial buildings and construction of a 120,126-square-foot distribution center on 6.48 acres. The project is located at 7875 Telegraph Road near the northeast corner of Telegraph Road and Industry Avenue.	Mitigated Negative Declaration	City of Pico Rivera	** Under review, may submit written comments
LAC171221-02 Telegraph Commerce Center Precise Plan of Design No. 541 and Minor Variance No. 748	 Comment Period: 11/20/2017 - 1/10/2018 Public Hearing: N/A			
<i>Warehouse & Distribution Centers</i>	This document extends the public review period from December 13, 2017 to January 5, 2018 for the proposed project. The proposed project consists of construction of a 262,398-square-foot warehouse on 11.8 acres. The project is located on the northwest corner of Heacock Street and Brodiaea Avenue. Reference RVC171115-02	Extension of Time	City of Moreno Valley	Document reviewed - No comments sent
RVC171206-02 Brodiaea Commerce Center (Plot Plan PEN17-0143, Change of Zone PEN17-0144)	 Comment Period: 11/13/2017 - 1/5/2018 Public Hearing: N/A			
<i>Warehouse & Distribution Centers</i>	The proposed project consists of construction of a 166,411-square-foot storage facility and two offices totaling 5,987 square feet on 9.75 acres. The project is located on the southwest corner of Clinton Keith Road and Smith Ranch Road. Reference LAC150925-02	Mitigated Negative Declaration	City of Wildomar	SCAQMD staff commented on 12/21/2017
RVC171220-02 Smith Ranch Self-Storage Project	http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-smithranch-122117.pdf Comment Period: 12/20/2017 - 1/18/2018 Public Hearing: 2/21/2018			

**Sorted by Land Use Type (in order of land uses most commonly associated with air quality impacts), followed by County, then date received.*

- Project has potential environmental justice concerns due to the nature and/or location of the project.

** Disposition may change prior to Governing Board Meeting

Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT A
INCOMING CEQA DOCUMENTS LOG
December 01, 2017 to December 31, 2017

<u>SCAQMD LOG-IN NUMBER</u>	<u>PROJECT DESCRIPTION</u>	<u>TYPE OF DOC.</u>	<u>LEAD AGENCY</u>	<u>COMMENT STATUS</u>
PROJECT TITLE				
Warehouse & Distribution Centers SBC171205-01 Center Street Industrial Development	The proposed project consists of construction of a 236,512-square-foot warehouse on 12.4 acres. The project is located near the northeast corner of Main Street and Pellisier Road. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-centerstreet-122117.pdf Comment Period: 12/4/2017 - 12/26/2017 Public Hearing: N/A	Mitigated Negative Declaration	City of Colton	SCAQMD staff commented on 12/21/2017
Warehouse & Distribution Centers SBC171208-02 Waterman East Distribution Center	The proposed project consists of demolition of two buildings and construction of a 197,942-square-foot warehouse on 8.9 acres. The project is located at 886 and 888 South Foisy Street near the southeast corner of Central Avenue and Waterman Avenue. Comment Period: 12/8/2017 - 12/28/2017 Public Hearing: N/A	Mitigated Negative Declaration	City of San Bernardino	SCAQMD staff commented on 12/29/2017
Warehouse & Distribution Centers SBC171208-03 Waterman South Distribution Center	The proposed project consists of demolition of 11 buildings and construction of a 393,199-square-foot warehouse on 16.5 acres. The project is located at 1004 South Waterman Avenue on the northwest corner of East Ennis Street and Waterman Avenue. Comment Period: 12/8/2017 - 12/28/2017 Public Hearing: N/A	Mitigated Negative Declaration	City of San Bernardino	SCAQMD staff commented on 12/29/2017
Warehouse & Distribution Centers SBC171212-02 Southwest Fontana Logistics Center	The proposed project consists of construction of two warehouses totaling 1,628,936 square feet on 73.3 acres. The project will also preserve 17.5 acres of open space. The project is located on the southeast corner of Santa Ana Avenue and Oleander Avenue. Reference SBC171128-03, SBC170905-02 and SBC160923-01 Comment Period: N/A Public Hearing: 12/19/2017	Notice of Public Hearing	City of Fontana	Document reviewed - No comments sent

- Project has potential environmental justice concerns due to the nature and/or location of the project.

** Disposition may change prior to Governing Board Meeting

Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT A

INCOMING CEQA DOCUMENTS LOG

December 01, 2017 to December 31, 2017

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Airports LAC171207-04 Los Angeles International Airport United Airlines East Aircraft Maintenance and Ground Support Equipment Project	The proposed project consists of demolition of existing structures and construction of a 411,000-square-foot aircraft maintenance and ground support equipment facility on 37 acres. The project is located at 6000-6016 and 6020-6024 Avion Drive near the southwest corner of Airport Boulevard and West Century Boulevard. Comment Period: 12/7/2017 - 1/8/2018 Public Hearing: 12/19/2017	Notice of Preparation	Los Angeles World Airports	** Under review, may submit written comments
Industrial and Commercial LAC171201-13 8775 Sunset Boulevard Billboard Project	This document extends the public review period from November 30, 2017 to December 5, 2017 for the proposed project. The proposed project consists of demolition of existing billboard and five surface parking spaces, and installation of a billboard structure of 71 feet in height on one acre. The project is located on the northeast corner of Horn Avenue and Sunset Boulevard. Reference LAC171110-10 Comment Period: 11/9/2017 - 12/5/2017 Public Hearing: N/A	Extension of Time	City of West Hollywood	Document reviewed - No comments sent
Industrial and Commercial LAC171212-01 2300 Redondo Avenue Project	The proposed project consists of demolition of existing facility and construction of three industrial buildings totaling 427,565 square feet on 19.09 acres. The project is located on the southeast corner of East Burnett Street and Redondo Avenue. Comment Period: 12/12/2017 - 1/12/2018 Public Hearing: N/A	Mitigated Negative Declaration	City of Long Beach	** Under review, may submit written comments
Industrial and Commercial LAC171213-01 Berth 240 Transportation Vessels Manufacturing Facility	The proposed project consists of demolition of a 9,150-square-foot structure and construction of a 203,450-square-foot industrial manufacturing facility on 10 acres. The project is located near the southwest corner of Terminal Way and Seaside Avenue. Comment Period: 12/8/2017 - 1/8/2018 Public Hearing: N/A	Mitigated Negative Declaration	Port of Los Angeles	** Under review, may submit written comments

- Project has potential environmental justice concerns due to the nature and/or location of the project.

** Disposition may change prior to Governing Board Meeting

Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT A
INCOMING CEQA DOCUMENTS LOG
December 01, 2017 to December 31, 2017

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Industrial and Commercial</i> LAC171220-03 The Culver Studios Innovation Plan - Comprehensive Plan Amendment No. 7	The proposed project consists of demolition of buildings totaling 236,293 square feet, and construction of a new building and two parking structures totaling 649,420 square feet on 14.3 acres. The project is located at 9336 Washington Boulevard on the southwest corner of Washington Boulevard and Ince Boulevard. Reference LAC170926-11, LAC170926-06 and LAC161117-06 Comment Period: N/A Public Hearing: 1/8/2018	Notice of Public Hearing	City of Culver City	Document reviewed - No comments sent
<i>Industrial and Commercial</i> LAC171222-07 Trident Center Modernization Project	The proposed project consists of construction of 115,000 square feet of office space and 5,000 square feet of restaurant uses on 3.6 acres. The project is located at 11355 and 11377 West Olympic Boulevard on the northwest corner of Corinth Avenue and Olympic Boulevard in the community of West Los Angeles. Reference LAC170201-09 Comment Period: 12/21/2017 - 2/5/2018 Public Hearing: N/A	Draft Environmental Impact Report	City of Los Angeles	Document reviewed - No comments sent
<i>Industrial and Commercial</i> LAC171226-01 Northrop Grumman Lab Expansion Project	The proposed project consists of demolition of 3,525 square feet of building space and construction of five laboratory buildings and a lobby totaling 150,500 square feet on 13 acres. The project is located on the northeast corner of Space Park Boulevard and Mettler Drive. Comment Period: 12/21/2017 - 1/10/2018 Public Hearing: 1/18/2018	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Redondo Beach	** Under review, may submit written comments
<i>Waste and Water-related</i> LAC171201-04 PV Peninsula Water Reliability Project (PA-29-16)	The proposed project consists of construction of pump station and replacement of seven miles of underground potable water pipeline. The project is located on the northeast corner of Crenshaw Boulevard and Crest Road in portions of the Cities of Rolling Hills Estates and Rancho Palos Verdes. Comment Period: 11/30/2017 - 1/8/2018 Public Hearing: N/A	Mitigated Negative Declaration	City of Rolling Hills Estates	** Under review, may submit written comments

- Project has potential environmental justice concerns due to the nature and/or location of the project.

** Disposition may change prior to Governing Board Meeting

Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT A

INCOMING CEQA DOCUMENTS LOG

December 01, 2017 to December 31, 2017

<u>SCAQMD LOG-IN NUMBER</u>	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
PROJECT TITLE				
<i>Waste and Water-related</i>	The proposed project consists of demolition of existing reservoir, and construction of a pump station and two concrete storage tanks with combined storage capacity of 20 million gallons of water. The project also includes installation of 2,500 linear feet of new pipelines. The project is located at 11200 De Soto Avenue near the northeast corner of De Soto Avenue and Rinaldi Street in the community of Chatsworth. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-desototanks-122717.pdf	Notice of Preparation	Los Angeles Department of Water and Power	SCAQMD staff commented on 12/27/2017
LAC171205-06 De Soto Tanks Project				
	Comment Period: 12/1/2017 - 1/31/2018 Public Hearing: 1/17/2018			
<i>Waste and Water-related</i>	The proposed project consists of modifications to the 2005 Environmental Impact Report to remove water from a 17.8-mile pipeline. The project is located between Castaic Lake Dam and the Joseph Jensen Water Treatment Plant in the community of Valencia. Reference LAC111027-05 and LAC110823-03	Draft Supplemental Environmental Impact Report	Metropolitan Water District of Southern California	Document reviewed - No comments sent
LAC171206-05 Foothill Feeder Repair and Future Inspection Project				
	Comment Period: 12/5/2017 - 1/18/2018 Public Hearing: N/A			
<i>Waste and Water-related</i>	The proposed project consists of demolition of existing digester, and construction of a food waste facility, biogas pipelines, and additional flares on 220 acres. The project would also include expansion of biogas conditioning system and compressed natural gas fueling station. The project is located on the northeast corner of West Lomitas Boulevard and Interstate 110 in the City of Carson.	Mitigated Negative Declaration	Sanitation Districts of Los Angeles County	** Under review, may submit written comments
LAC171208-05 Food Waste Receiving and Digestion Program at the Joint Water Pollution Control Plant				
	Comment Period: 12/8/2017 - 1/7/2018 Public Hearing: N/A			
<i>Waste and Water-related</i>	The proposed project consists of diversion and treatment of runoff, replacement of potable water deliveries to recycled water deliveries, installation of an 18-inch underground sewer pipeline, and development of water quality improvements and long-term solution to erosion on 4.3 acres. The project is located on the southwest corner of South Saint Louis Street and East 4th Street in the community of Boyle Heights.	Notice of Preparation	City of Los Angeles	** Under review, may submit written comments
LAC171214-03 Hollenbeck Park Lake Rehabilitation and Stormwater Management Project				
	Comment Period: 12/14/2017 - 1/18/2018 Public Hearing: 1/11/2018			

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<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Waste and Water-related</i> LAC171214-05 United Rock Quarry No. 3 Project/Buena Vista Sediment Placement Site (SPS)	The proposed project consists of improvements to United Rock Quarry No. 3 to be as a permanent sediment placement location. The project is located at 1137 Meridian Street near the northeast corner of Meridian Street and Bateman Avenue in the City of Irwindale. Reference LAC160513-01 Comment Period: 12/14/2017 - 1/29/2018 Public Hearing: N/A	Draft Environmental Impact Report	Los Angeles County Flood Control District	** Under review, may submit written comments
<i>Waste and Water-related</i> LAC171222-01 Franklin D. Roosevelt Park Regional Stormwater Capture Project	The proposed project consists of construction of three stormwater diversion structures and pipelines on 24.34 acres. The project is located at 7600 Graham Avenue near the southwest corner of Holmes Avenue and East 74th Street in the community of Florence-Firestone. Comment Period: 12/21/2017 - 1/20/2018 Public Hearing: N/A	Mitigated Negative Declaration	County of Los Angeles	Document reviewed - No comments sent
<i>Waste and Water-related</i> ORC171205-03 Sunset Gap Monitoring Wells BS13, BS24 and Bolsa Chica Channel Levee Repair Project	The proposed project consists of construction of 11 underground monitoring wells and repairs to existing levee. The project is located at 800 Seal Beach Blvd on the southeast corner of Seal Beach Boulevard and Forrestal Lane in the City of Seal Beach. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-sunsetgapmonitoring-122717.pdf Comment Period: 12/4/2017 - 1/2/2018 Public Hearing: 1/10/2018	Mitigated Negative Declaration	Orange County Water District	SCAQMD staff commented on 12/27/2017
<i>Waste and Water-related</i> ORC171222-02 South Basin Additional Groundwater Monitoring Program SAM-12 Monitoring Well Project	The proposed project consists of construction of two groundwater monitoring wells at two locations: 1) 1241 E. Dyer Road and 2) 2620 Hotel Terrace Drive. The project is located near the northeast corner of Tech Center Drive and Birtcher Place within the City of Santa Ana. Comment Period: 12/22/2017 - 1/21/2018 Public Hearing: 2/14/2018	Mitigated Negative Declaration	Orange County Water District	Document reviewed - No comments sent

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PROJECT TITLE				
<i>Waste and Water-related</i>	The proposed project consists of implementation of removal action to clean up potential presence of munitions in the soil on a 20-acre portion of 56 acres. The project is located near the southeast corner of State Route 133 and Interstate 5 within the City of Irvine, Orange County.	Community Notice	United States Department of the Navy	Document reviewed - No comments sent
ORC171222-08 Installation Restoration Program Site 1 - Former Marine Corps Air Station El Toro Irvine, CA				
	Comment Period: N/A	Public Hearing: N/A		
<i>Waste and Water-related</i>	The proposed project consists of construction of rubber dams, water conveyance pipelines, groundwater extraction wells, and additional upgrades to existing facilities. The project is located near the northeast corner of Antonio Parkway and State Route 74 within the cities of San Juan Capistrano and Dana Point in Orange County. Reference ORC161223-03	Notice of Availability of a Draft Program Environmental Impact Report	Santa Margarita Water District	Document reviewed - No comments sent
ORC171228-04 San Juan Watershed Project				
	Comment Period: 12/21/2017 - 2/23/2018	Public Hearing: 1/30/2018		
<i>Waste and Water-related</i>	The proposed project consists of acquisition of 70 acres of land adjacent to the Lamb Canyon Landfill. The project would also include drainage improvements, dirt management, and monitoring. The project is located at 16411 Lamb Canyon Road near the southwest corner of Beaumont Avenue and East First Street in the City of Beaumont.	Mitigated Negative Declaration	County of Riverside	** Under review, may submit written comments
RVC171212-05 Land Acquisition and Site Improvement Project at the Lamb Canyon Landfill				
	Comment Period: 12/11/2017 - 1/11/2018	Public Hearing: 2/6/2018		
<i>Waste and Water-related</i>	The proposed project consists of demolition of existing 4.14-million-gallon water storage tank, and construction of two new water tanks and 104,544 square feet of retail space on 10.1 acres. The project is located on the southwest corner of Summit Avenue and Citrus Avenue.	Notice of Availability of a Draft Environmental Impact Report	City of Fontana	** Under review, may submit written comments
SBC171208-04 Fontana Water Tanks and Retail				
	Comment Period: 12/8/2017 - 1/21/2018	Public Hearing: 12/19/2017		

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<i>Utilities</i> LAC171201-07 Southern California Edison Transmission Line Replacement	The proposed project consists of replacement of a series of transmission towers across the Cerritos Channel and improvements to an existing 66-kilovolt (kV) sub-transmission line, a 12-kV distribution line, and a fiber wrap. The project will also include removal of a 220-kV distribution line. The project is located at Piers A and S across the Cerritos Channel. Reference LAC170725-05 and LAC161025-09 Comment Period: N/A Public Hearing: 12/11/2017	Response to Comments	Port of Long Beach	Document reviewed - No comments sent
<i>Transportation</i> LAC171205-13 I-710 Corridor Project	This document includes a summary of public comments on the Recirculated Draft Environmental Impact Report/Supplemental Draft Environmental Impact Statement for the proposed project. The proposed project consists of two new alternatives that were developed in response to public comments on the 2012 Draft EIS/EIR. The new alternatives would include a zero emission and near zero emission truck deployment program, expanded transit services, and a community health benefit program. The project is located along Interstate 710 between Ocean Boulevard and State Route 60 in the County of Los Angeles. Reference LAC170914-06, LAC170721-01, LAC150625-10, LAC151013-01, LAC130326-01, LAC120626-01, LAC110429-01, LAC110426-02, LAC110325-03 and LAC100831-06 Comment Period: N/A Public Hearing: N/A	Community Notice	California Department of Transportation	Document reviewed - No comments sent
<i>Transportation</i> LAC171212-04 Santa Monica Pier Bridge Replacement Project	The proposed project consists of development of three alternatives to improve structural stability of the Pier Bridge. Alternatives One and Two would include demolition of existing bridge and construction of a wider bridge. Alternative Three would include construction of two permanent bridges at Moss Avenue between Appian Way and the Pier. The project is located near the southwest corner of Broadway and Ocean Avenue. Reference LAC141118-07 Comment Period: 12/11/2017 - 2/13/2018 Public Hearing: 1/10/2018	Draft Environmental Impact Report	City of Santa Monica	Document reviewed - No comments sent
<i>Transportation</i> LAC171214-04 East Broadway Complete Streets Improvement Project	The proposed project consists of improvements to a 1.7-mile segment of East Broadway between Alamitos Avenue and Redondo Avenue to include bike lanes. Comment Period: 12/12/2017 - 1/12/2018 Public Hearing: N/A	Mitigated Negative Declaration	City of Long Beach	Document reviewed - No comments sent

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Transportation ORC171201-14 Interstate 405 Improvement Project from Interstate 5 to State Route 55	The proposed project consists of widening of a 8.5-mile segment of Interstate 405 with addition of either one or two lanes from Interstate 5 (Post Mile 0.2) to State Route 55 (Post Mile 8.7). The project traverses through the City of Irvine. Comment Period: 11/14/2017 - 12/15/2017 Public Hearing: 12/5/2017	Mitigated Negative Declaration	California Department of Transportation	Document reviewed - No comments sent
Transportation ORC171207-03 La Habra Union Pacific Rail Line Bikeway Project	The proposed project consists of construction of a 2.8-mile bikeway on the existing Union Pacific railroad right-of-way. The project is located near the northeast corner of Wall Street and Wilshire Avenue. Comment Period: 12/1/2017 - 1/2/2018 Public Hearing: 1/22/2018	Mitigated Negative Declaration	City of La Habra	Document reviewed - No comments sent
Transportation RVC171205-04 Interstate 10/Portola Avenue New Interchange Project	The proposed project consists of construction of interchange along Interstate 10 (I-10) between Monterey Avenue and Cook Street. The project will also include construction of bridge over I-10 and the Union Pacific Railroad. The project is located near the northwest corner of Portola Road and Gerald Ford Drive in the City of Palm Desert. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nd-interstate10portola-122717.pdf Comment Period: 12/4/2017 - 1/4/2018 Public Hearing: 12/19/2017	Negative Declaration	California Department of Transportation	SCAQMD staff commented on 12/27/2017
Institutional (schools, government, etc.) LAC171213-02 ArtCenter College of Design Master Plan	This document extends the public review period from December 11, 2017 to December 18, 2017 for the proposed project. The proposed project consists of development of two campuses: the Hillside Campus and the South Campus over 15 years. The Hillside Campus will include construction of two buildings totaling 19,020 square feet and photovoltaic canopies with a maximum height of 20 feet on 155.95 acres. The South Campus will include construction of two student housing buildings with a maximum of 850 beds totaling 240,000 square feet and four administrative buildings totaling 220,000 square feet on 6.68 acres. The Hillside Campus of the project is located at 1700 Lida Street on the southeast corner of Pegfair Lane and Figueroa Street. The South Campus of the project is located on the northeast corner of South Raymond Avenue and East Glenarm Street. Reference LAC171026-02 Comment Period: 10/26/2017 - 12/18/2017 Public Hearing: N/A	Extension of Time	City of Pasadena	Document reviewed - No comments sent

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<i>Institutional (schools, government, etc.)</i> ORC171201-02 Ocean View School District Multiple-Campus Modernization/Interim Housing Project	The proposed project consists of establishment of temporary housing units, installation of campus security and safety equipment, and construction of infrastructure improvements at 13 schools within the Ocean View School District. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-oceanviewschool-122717.pdf Comment Period: 11/29/2017 - 12/28/2017 Public Hearing: 12/20/2017	Notice of Preparation	Ocean View School District of Orange County	SCAQMD staff commented on 12/27/2017
<i>Institutional (schools, government, etc.)</i> SBC171228-02 Goddard School Project (Site Plan Review No. 15SPR02)	The proposed project consists of construction of a 10,587-square-foot school and daycare center with nine classrooms on 59,129 square feet. The project is located on the southwest corner of Picasso Drive and Pomona Rincon Road. Comment Period: 12/22/2017 - 1/10/2018 Public Hearing: 1/16/2018	Mitigated Negative Declaration	City of Chino Hills	** Under review, may submit written comments
<i>Medical Facility</i> LAC171221-01 ENV-2017-570: 3377 W. Olympic Blvd. & 974-998 S. Gramercy Dr.	The proposed project consists of demolition of existing parking lot, and construction of a 147,455-square-foot building including a 65,929-square-foot eldercare facility with 137 units and subterranean parking on 0.8 acres. The project is located on the northeast corner of Olympic Boulevard and Gramercy Drive in the community of Wilshire. Comment Period: 12/21/2017 - 1/10/2018 Public Hearing: N/A	Mitigated Negative Declaration	City of Los Angeles	Document reviewed - No comments sent
<i>Retail</i> LAC171212-03 Beach Cities Media Campus Project	The proposed project consists of construction of four commercial buildings with office and retail uses totaling 313,000 square feet on 6.39 acres. The project is located at 2021 Rosecrans Avenue on the northeast corner of Rosecrans Avenue and Village Drive. Comment Period: 12/8/2017 - 1/6/2018 Public Hearing: 12/18/2017	Notice of Preparation	City of El Segundo	** Under review, may submit written comments

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Retail LAC171215-01 Spring Street Hotel	The proposed project consists of demolition of existing parking lot and restaurant, and construction of a 105,841-square-foot hotel with 170 rooms and subterranean parking on 0.2 acres. The project is located at 631, 633, and 635 South Spring Street near the northeast corner of 7th Street and Spring Street in the community of Central City. Reference LAC171109-03, LAC170201-05 and LAC 151006-08 Comment Period: N/A Public Hearing: 1/9/2018	Notice of Public Hearing	City of Los Angeles	Document reviewed - No comments sent
General Land Use (residential, etc.) LAC171201-03 Burbank Town Center	The proposed project consists of demolition of 285,000 square feet of existing structures, and construction of 311,496 square feet of mixed uses including 1,173 residential units, a hotel with 200 rooms, retail, and subterranean parking on 37.29 acres. The project is located on the northwest corner of Magnolia Boulevard and 3rd Street. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-burbanktowncenter-122717.pdf Comment Period: 12/6/2017 - 1/5/2017 Public Hearing: 12/13/2017	Notice of Preparation	City of Burbank	SCAQMD staff commented on 12/27/2017
General Land Use (residential, etc.) LAC171205-05 Mancara Residential Project (Master Case No. 06-349)	The proposed project consists of construction of 109 residential units on a 92.1-acre portion of 179.2 acres. The project will also include 69.7 acres of open space and 17.4 acres of road improvements. The project is located near the northeast corner of Pashley Street and Oak Springs Canyon Road. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/revisednop-mancara-122717.pdf Comment Period: 12/4/2017 - 1/12/2018 Public Hearing: N/A	Revised Notice of Preparation	City of Santa Clarita	SCAQMD staff commented on 12/27/2017
General Land Use (residential, etc.) LAC171205-08 Ballmaster Elite Soccer Academy	The proposed project consists of construction of sports field of 75 feet in width and 112 feet in length on 1.09 acres. The project is located near the northeast corner of Painter Avenue and Los Nietos Road. Comment Period: 11/20/2017 - 12/10/2017 Public Hearing: 12/11/2017	Notice of Public Hearing	City of Santa Fe Springs	Document reviewed - No comments sent

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<i>General Land Use (residential, etc.)</i> LAC171205-10 Vermont Corridor Project	This document extends the public review period from December 22, 2017 to January 19, 2018 for the proposed project. The proposed project consists of development of three sites. On the first site, the project would include demolition of 44,113 square feet of office buildings, and construction of a 471,000-square-foot office building and a 390,000-square-foot parking structure on 2.5 acres. On the second site, the project would include demolition of a 52,000-square-foot office building, conversion of a 154,793-square-foot mental health building to a residential building with 172 units, and construction of a 116,324-square-foot parking structure on one acre. On the third site, the project would include demolition of a 29,292-square-foot office building, and construction of a 80,837-square-foot residential building with 72 units, a 13,200-square-foot community center, and subterranean parking on 0.5 acres. The project is located on the northeast corner of South Vermont Avenue and West 6th Street in the community of Wilshire. Reference LAC171110-09 and LAC170505-05 Comment Period: 11/3/2017 - 1/19/2018 Public Hearing: N/A	Extension of Time	County of Los Angeles	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> LAC171206-03 Hidden Creeks Estates (ENV-2005-6657-EIR)	This document extends the public review period from December 26, 2017 to January 10, 2018 for the proposed project. The proposed project consists of construction of 188 residential units on a 109-acre portion of 285 acres. The project will also preserve 131.5 acres of open space. The project is located at 12100 Browns Canyon Road near the northeast corner of Browns Canyon Road and Santini Lane in the community of Chatsworth-Porter Ranch. Reference LAC171109-04 Comment Period: 11/9/2017 - 1/10/2018 Public Hearing: N/A	Extension of Time	City of Los Angeles	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> LAC171206-04 The Elysian Park Lofts (ENV-2016-4046-EIR)	This document extends the public review period from December 8, 2017 to January 31, 2018 for the proposed project. The proposed project consists of demolition of 22,690 square feet of existing buildings and construction of new buildings totaling 1,159,800 square feet with 920 residential units on 8.08 acres. The project will also preserve 3.24 acres of open space. The project is located at 1030-1380 North Broadway and 1251 North Spring Street on the southwest corner of North Broadway and Elysian Park Drive in the community of Central City North. Reference LAC171110-06 Comment Period: 11/6/2017 - 1/31/2018 Public Hearing: N/A	Extension of Time	City of Los Angeles	Document reviewed - No comments sent

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PROJECT TITLE				
General Land Use (residential, etc.)	The proposed project consists of demolition of existing buildings and construction of a seven-story building with 49 residential units and subterranean parking on 19,733 square feet. The project is located on the northeast corner of Oxford Avenue and 11th Street in the community of Wilshire. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-1060soxfordave-121917.pdf	Mitigated Negative Declaration	City of Los Angeles	SCAQMD staff commented on 12/19/2017
LAC171207-01 ENV-2016-4127: 1048, 1054 & 1060 S. Oxford Ave. (3127-3133 W. 11th St. & 1056 S. Oxford Ave.)				
	Comment Period: 12/7/2017 - 12/27/2017	Public Hearing: N/A		
General Land Use (residential, etc.)	The proposed project consists of construction of a five-story building with 221 residential units and subterranean parking on 130,859 square feet. The project is located on the northwest corner of Hoover Street and Council Street in the community of Wilshire.	Mitigated Negative Declaration	City of Los Angeles	Document reviewed - No comments sent
LAC171207-02 Pinnacle 360 (ENV-2015-3940: 235 N. Hoover St., 3411, 3419, 3425, 3433, 3441 W. Council St. & 234 N. Commonwealth Pl.)				
	Comment Period: 12/7/2017 - 1/8/2018	Public Hearing: N/A		
General Land Use (residential, etc.)	The proposed project consists of demolition of four buildings totaling 34,673 square feet, and construction of a 751,777-square-foot building with 794 residential units, 100,652 square feet of open space, and subterranean parking on 41,603 square feet. The project is located on the northwest corner of West 11st Street and South Olive Street in the community of Central City.	Notice of Preparation	City of Los Angeles	** Under review, may submit written comments
LAC171221-03 1045 Olive Project (ENV-2016-4630-EIR)				
	Comment Period: 12/21/2017 - 1/19/2018	Public Hearing: 1/10/2018		
General Land Use (residential, etc.)	The proposed project consists of demolition of a 80,736-square-foot warehouse and construction of a 584,760-square-foot development with 600 residential/work units on 2.24 acres. The project is located at 520, 524, 528, and 532 South Mateo Street, and 1310 East 4th Place on the southeast corner of Mateo Street and 4th Place in the community of Central City North.	Notice of Availability of a Draft Environmental Impact Report	City of Los Angeles	Document reviewed - No comments sent
LAC171222-06 520 Mateo (ENV-2016-1795-EIR)				
	Comment Period: 12/21/2017 - 2/6/2018	Public Hearing: N/A		

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<i>General Land Use (residential, etc.)</i> LAC171228-03 Rio Rancho III Residential Project	This document extends the public review period from January 4, 2018 to January 18, 2018 for the proposed project. The proposed project consists of construction of 110 residential units on 11.58 acres. The project is located on the southwest corner of West Lexington Avenue and South White Avenue. Reference LAC171118-01 and LAC161209-03 Comment Period: 11/20/2017 - 1/18/2018 Public Hearing: N/A	Extension of Time	City of Pomona	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> RVC171201-11 Altair Specific Plan (Formerly "Village West")	The proposed project consists of construction of 1,750 residential units and amenities on 270 acres. The project is located near the southeast corner of Ridge Park Drive and Rancho California Road. Reference RVC171108-09, RVC160920-11, RVC160802-07, RVC160503-07, and RVC141107-07 Comment Period: N/A Public Hearing: 12/12/2017	Notice of Public Hearing		Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> RVC171201-12 Change of Zone No. 7901 and Tentative Tract Map No. 36644	The proposed project consists of subdivision of 12.9 acres for future development of 35 residential units. The project is located near the northwest corner of Anza Road and Butterfield Stage Road in the community of Temecula. Reference RVC170906-01, RVC160419-10 Comment Period: N/A Public Hearing: 12/12/2017	Notice of Public Hearing	County of Riverside	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> RVC171205-02 Tentative Tract Map No. 37450 (TR 2017-386 and CZ 2017-388)	The proposed project consists of subdivision of 10.27 acres for future development of 29 residential units and construction of a 13,109-square-foot water basin. The project is located on the southwest corner of Garbani Road and Sherman Road. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/sp-ttm37450-121917.pdf Comment Period: 12/5/2017 - 12/20/2017 Public Hearing: N/A	Site Plan	City of Menifee	SCAQMD staff commented on 12/19/2017

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PROJECT TITLE				
General Land Use (residential, etc.) RVC171226-02 17-TM-02, TM 27357	The proposed project consists of construction of 309 residential units on 106.6 acres. The project is located on the southwest corner of Elm Avenue and Oak Valley Parkway. Comment Period: 12/21/2017 - 1/11/2018 Public Hearing: N/A	Site Plan	City of Beaumont	** Under review, may submit written comments
General Land Use (residential, etc.) RVC171226-03 Tentative Tract Map No. 37434 - EA 43092	The proposed project consists of subdivision of 214.7 acres for future development of 600 residential units. The project is located on the northeast corner of Jack Ivey Drive and Varner Road in the community of Western Coachella Valley. Comment Period: 12/11/2017 - 1/4/2018 Public Hearing: N/A	Site Plan	County of Riverside	** Under review, may submit written comments
General Land Use (residential, etc.) SBC171205-11 Pepper Avenue Specific Plan	The proposed project consists of construction of 275 residential units, 462,000 square feet of retail use, 125,000 square feet of business park, 13.7 acres of water facilities, and a pedestrian bridge connecting the project to Frisbie Park on 101.7 acres. The project will also preserve 30 acres of habitat. The project is located near the northeast corner of Walnut Avenue and Eucalyptus Avenue. Reference SBC171102-03, SBC171101-08, SBC170310-01, and SBC160126-05 Comment Period: N/A Public Hearing: 12/12/2017	Notice of Public Hearing	City of Rialto	Document reviewed - No comments sent
General Land Use (residential, etc.) SBC171215-04 The Gateway Specific Plan	The proposed project consists of construction of 877,538 square feet of buildings with 748 residential units on 131.7 acres. The project is located on the northeast corner of West Main Street and Transit Avenue. Comment Period: 12/12/2017 - 1/3/2018 Public Hearing: N/A	Specific Plan	City of Grand Terrace	Document reviewed - No comments sent

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<i>Plans and Regulations</i> ALL171205-07 Innovative Clean Transit Regulation	The proposed project consists of development of statewide bus purchase strategies to transition public transit buses to zero and near-zero technologies by 2040. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-innovativeclean-122717.pdf Comment Period: 12/4/2017 - 1/3/2018 Public Hearing: N/A	Notice of Preparation	California Air Resources Board	SCAQMD staff commented on 12/27/2017
<i>Plans and Regulations</i> ALL171208-01 DPH-16-013 Posting of Radiologic Technology Act Authorizing Documents	The proposed project consists of amendments to Section 30305 of the Radiologic Technology Act to require medical X-ray facilities to post certificates and permits of personnel. Comment Period: N/A Public Hearing: N/A	Community Notice	California Department of Public Health	Document does not require comments
<i>Plans and Regulations</i> LAC171201-09 ENV-2017-3137: Citywide - Permanent Supportive Housing	The proposed project consists of amendments to the Land Use Element of the City's General Plan and Municipal Code to facilitate development of permanent supportive housing units. Comment Period: 11/30/2017 - 12/20/2017 Public Hearing: N/A	Mitigated Negative Declaration	City of Los Angeles	Document reviewed - No comments sent
<i>Plans and Regulations</i> LAC171201-10 ENV-2017-3410: Citywide - Interim Motel Conversion	The proposed project consists of amendment to the City's Municipal Code to establish regulations to facilitate use of existing hotels and motels for supportive housing and transitional housing. Comment Period: 11/30/2017 - 12/20/2017 Public Hearing: N/A	Negative Declaration	City of Los Angeles	Document reviewed - No comments sent

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December 01, 2017 to December 31, 2017

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Plans and Regulations LAC171205-12 Issuance of Revenue Bonds by the California Municipal Finance Authority	The proposed project consists of issuance of multifamily housing revenue bonds in one or more series in an amount not to exceed 55 million. Comment Period: N/A Public Hearing: 12/14/2017	Notice of Public Hearing	City of Santa Fe Springs	Document does not require comments
Plans and Regulations LAC171219-01 Local Coastal Program Amendment No. 17-001, General Plan Amendment No. 17-001, and Zoning Map Amendment No. 17-003	The proposed project consists of correction to land use and zoning designation from Public Open Space to Commercial Visitor Serving-Two (CV-2) for Assessor Parcel Map Number (APN) 452-005-029, and correction to land use and zoning designation from Single-Family Medium to CV-2 for APN 4452-005-031. Comment Period: N/A Public Hearing: 1/10/2018	Notice of Public Hearing	City of Malibu	Document does not require comments
Plans and Regulations LAC171220-01 Long Beach Tattoo Parlor Zoning Code Amendment - Application No. 1712-10	The proposed project consists of amendment to City's zoning code to include development standards and zoning clearance process regarding tattoo parlors. Comment Period: 12/18/2017 - 1/18/2018 Public Hearing: N/A	Notice of Intent to Adopt a Negative Declaration	City of Long Beach	Document reviewed - No comments sent
Plans and Regulations LAC171222-04 Long Beach Massage Establishment Zoning Code Amendment - Application No. 1705-04	The proposed project consists of amendment to City's zoning code and local coastal program to expand procedural and operating requirements for massage establishments. Comment Period: 12/20/2017 - 1/22/2018 Public Hearing: N/A	Notice of Intent to Adopt a Negative Declaration	City of Long Beach	Document does not require comments

- Project has potential environmental justice concerns due to the nature and/or location of the project.

** Disposition may change prior to Governing Board Meeting

Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT A
INCOMING CEQA DOCUMENTS LOG
December 01, 2017 to December 31, 2017

<u>SCAQMD LOG-IN NUMBER</u>	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
PROJECT TITLE				
<i>Plans and Regulations</i> LAC171222-05 Long Beach Wireless Telecom Facilities Municipal Code Amendment - Application No. 1712-01	The proposed project consists of amendment to City's municipal code to include development standards regarding wireless telecommunications facilities in the public right-of-way. Comment Period: 12/21/2017 - 1/22/2018 Public Hearing: N/A	Notice of Intent to Adopt a Negative Declaration	City of Long Beach	Document does not require comments
<i>Plans and Regulations</i> ORC171201-15 Zoning Ordinance Amendment 17-1932 and Local Coastal Amendment 17-1933	The proposed project consists of amendment to the City's Municipal Code Chapter 25.17 for the accessory dwelling unit ordinance. Comment Period: N/A Public Hearing: 12/13/2017	Notice of Public Hearing	City of Laguna Beach	Document reviewed - No comments sent
<i>Plans and Regulations</i> ORC171205-09 Westminster East Garden Grove Study	The proposed project consists of evaluation of flood control improvements and ecosystem habitat restoration. The project is located in the Westminster Watershed that collects the runoff from portions of the cities of Anaheim, Stanton, Cypress, Garden Grove, Westminster, Fountain Valley, Los Alamitos, Seal Beach, and Huntington Beach. Comment Period: 11/30/2017 - 12/30/2017 Public Hearing: N/A	Community Notice	United States Army Corps of Engineers Chicago District	Document reviewed - No comments sent
<i>Plans and Regulations</i> ORC171215-03 Code Amendment CO-17-01	The proposed project consists of establishment of permitting regulations for accessory dwelling units and amendment to Article 2, Chapters I, IV, V, and VI of Title 13 of the City municipal code. Reference ORC170901-26 Comment Period: N/A Public Hearing: 1/2/2018	Notice of Public Hearing	City of Costa Mesa	Document reviewed - No comments sent

- Project has potential environmental justice concerns due to the nature and/or location of the project.

** Disposition may change prior to Governing Board Meeting

Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT A

INCOMING CEQA DOCUMENTS LOG

December 01, 2017 to December 31, 2017

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Plans and Regulations</i> RVC171201-08 City of Riverside 2014-2021 Housing Element Update Project	The proposed project consists of updates to the Housing Element of the City's General Plan. The project identifies existing and projected housing needs, establishes housing policies, and develops a housing program to respond to current and future housing needs. Reference RVC170912-15, RVC170901-27 and RVC170413-03 Comment Period: N/A Public Hearing: N/A	Response to Comments	City of Riverside	Document reviewed - No comments sent
<i>Plans and Regulations</i> RVC171215-02 San Jacinto Wildlife Area Land Management Plan Project	The proposed project consists of development of guidance for management of wildlife habitats, species, and protection programs on 20,126 acres. The project is located on the northeast corner of West Contour Road and David Road within the cities of Moreno and Beaumont in Riverside County. Reference RVC160616-01 Comment Period: 12/15/2017 - 1/29/2018 Public Hearing: N/A	Notice of Availability of a Draft Environmental Impact Report	California Department of Fish and Wildlife	** Under review, may submit written comments

- Project has potential environmental justice concerns due to the nature and/or location of the project.

** Disposition may change prior to Governing Board Meeting

Documents received by the CEQA Intergovernmental Review program but not requiring review are not included in this report.

ATTACHMENT B*

SCAQMD LOG-IN NUMBER	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
PROJECT TITLE				
Utilities	The proposed project consists of production of 13.38 megawatts (MW) in equivalent electricity of renewable energy on 6.2 acres. The project is located at 503 East Santa Ana Avenue near the southeast corner of South Riverside Avenue and East Santa Ana Avenue. Reference SBC170907-06	Draft Environmental Impact Report	City of Rialto	**Under review, may submit written comments
SBC171122-05 Rialto Bioenergy Facility Project				
	Comment Period: 11/16/2017 - 1/5/2018 Public Hearing: N/A			
Medical Facility	The proposed project consists of demolition of 387,500 square feet of existing buildings and construction of 1,426,000 square feet of new buildings on 116 acres. The project is located on the southeast corner of Duarte Road and Cinco Robles Drive. Reference LAC151016-02	Draft Environmental Impact Report	City of Duarte	**Under review, may submit written comments
LAC171116-04 City of Hope Campus Plan (General Plan Amendment & Zone Change 15-01)				
	Comment Period: 11/15/2017 - 1/4/2018 Public Hearing: 12/6/2017			
General Land Use (residential, etc.)	The proposed project consists of construction of 188 residential units on a 109-acre portion of 285 acres. The project will also preserve 131.5 acres of open space. The project is located at 12100 Browns Canyon Road near the northeast corner of Browns Canyon Road and Santini Lane in the community of Chatsworth-Porter Ranch.	Revised Draft Environmental Impact Report	City of Los Angeles	**Under review, may submit written comments
LAC171109-04 Hidden Creeks Estates (ENV-2005-6657-EIR)				
	Comment Period: 11/9/2017 - 1/10/2018 Public Hearing: N/A			
Warehouse & Distribution Centers	The proposed project consists of construction of a 262,398-square-foot warehouse on 11.8 acres. The project is located on the northwest corner of Heacock Street and Brodiaea Avenue. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-brodiaeacommerce-120517.pdf	Notice of Preparation	City of Moreno Valley	SCAQMD staff commented on 12/5/2017
RVC171115-02 Brodiaea Commerce Center (Plot Plan PEN17-0143, Change of Zone PEN17-0144)				
	Comment Period: 11/13/2017 - 1/5/2018 Public Hearing: N/A			

**Sorted by Comment Status, followed by Land Use, then County, then date received.*

- Project has potential environmental justice concerns due to the nature and/or location of the project.

** Disposition may change prior to Governing Board Meeting

ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS OR IS CONTINUING TO CONDUCT A CEQA REVIEW

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Warehouse & Distribution Centers RVC171128-09 Agua Mansa Commerce Center - MA16170 (GPA16003, CZ16008, SP16002, and SDP17070)	The proposed project consists of development plans and design guideline standards to allow future development of 4,277,000 square feet of industrial uses, 180,000 square feet of business and retail uses, and 67.7 acres of open space on 292 acres. The project is located at 1500 Rubidoux Boulevard on the southeast corner of El Rivino Road and Rubidoux Boulevard. Reference RVC170705-15, RVC161216-03 and RVC161006-06 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/sp-aguamansacommerce-120817.pdf Comment Period: 11/21/2017 - 12/11/2017 Public Hearing: N/A	Site Plan	City of Jurupa Valley	SCAQMD staff commented on 12/8/2017
Industrial and Commercial LAC171114-02 100 North Crescent Drive Beverly Hills Media Center Project	The proposed project consists of construction of 55,070 square feet of commercial uses and renovation of existing 106,085 square feet of office uses on 1.34 acres. The project is located at 100 North Crescent Drive on the northeast corner of North Crescent Drive and Wilshire Boulevard. Reference LAC170505-01 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/deir-100ncrescentdr-121917.pdf Comment Period: 11/13/2017 - 1/5/2018 Public Hearing: 12/14/2017	Draft Environmental Impact Report	City of Beverly Hills	SCAQMD staff commented on 12/19/2017
Industrial and Commercial LAC171117-06 City Yards Project	The proposed project consists of demolition, removal, and redevelopment of 16 existing buildings totaling 65,348 square feet, and construction of 51,013 square feet of new industrial buildings on 14.2 acres. The project is located at 2500 Michigan Avenue on the southeast corner of Michigan Avenue and 24th Street. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-cityyards-121317.pdf Comment Period: 11/15/2017 - 12/15/2017 Public Hearing: 11/30/2017	Notice of Preparation	City of Santa Monica	SCAQMD staff commented on 12/13/2017
Waste and Water-related LAC171114-05 Los Angeles County Waterworks District No. 29 Priority Capital Deficiencies Improvements	The proposed project consists of demolition of two water tanks, removal of an existing 34,300-foot underground pipeline, and construction of one tank reservoir and a 6,300-foot underground pipeline on 30,000 acres. The project is located south of the Santa Monica Mountains, west of Topanga Canyon and the City of Los Angeles boundary, east of Ventura County, and north of the Pacific Ocean within the boundaries of the City of Malibu and the community of Topanga. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-prioritycapital-120517.pdf Comment Period: 11/9/2017 - 12/18/2017 Public Hearing: N/A	Notice of Preparation	Los Angeles County Waterworks District	SCAQMD staff commented on 12/5/2017

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ATTACHMENT B
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Waste and Water-related ORC171110-04 Headquarters Complex, Site and Security, and Entrance Realignment Program (Project No. P1-128)	The proposed project consists of demolition of existing buildings and construction of two buildings totaling 152,000 square feet on 114 acres. The project is located on the northwest corner of Ellis Avenue and Pacific Street. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-headquarters-120517.pdf Comment Period: 11/7/2017 - 12/6/2017 Public Hearing: 11/29/2017	Notice of Preparation	Orange County Sanitation District	SCAQMD staff commented on 12/5/2017
Waste and Water-related ORC171118-06 Doheny Ocean Desalination Project	The proposed project consists of construction of an ocean water desalination facility of up to 15 million gallons per day (MGD) of potable drinking water. The project would also include construction of subsurface intake wells of up to 5 MGD and underground electric line extensions. The project is located on the northwest corner of Camino Capistrano and Coast Highway in the City of Dana Point. Reference ORC160315-01 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/amendednop-dohenyocean-121317.pdf Comment Period: 11/17/2017 - 12/18/2017 Public Hearing: 12/7/2017	Amended Notice of Preparation	South Coast Water District	SCAQMD staff commented on 12/13/2017
Transportation ORC171122-01 State Route 73 MacArthur Boulevard Southbound Off-Ramp Improvement Project	The proposed project consists of widening of the southbound State Route 73 off ramp to MacArthur Boulevard from one lane to two lanes. The project is located near the northeast corner of Bison Avenue and MacArthur Boulevard in the City of Newport Beach, Orange County. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-sr73macarthurbld-122017.pdf Comment Period: 11/22/2017 - 12/23/2017 Public Hearing: N/A	Mitigated Negative Declaration	California Department of Transportation	SCAQMD staff commented on 12/20/2017
Institutional (schools, government, etc.) LAC171019-02 Los Angeles County Consolidated Correctional Treatment Facility Project (Men's Central Jail Replacement Project)	The proposed project consists of demolition of the existing jail facility and construction of a 2.4 million-square-foot new facility with 3,885 beds on 17.7 acres. The project will also include construction of a parking structure with either 1,500 spaces under Option One or 3,000 spaces under Option Two. The project is located on the northeast corner of North Vignes Street and Bauchet Street in the community of Central City North. Reference LAC150618-14 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/deir-menscentraljail-121217.pdf Comment Period: 10/19/2017 - 12/18/2017 Public Hearing: 10/30/2017	Draft Environmental Impact Report	County of Los Angeles	SCAQMD staff commented on 12/12/2017

- Project has potential environmental justice concerns due to the nature and/or location of the project.

** Disposition may change prior to Governing Board Meeting

ATTACHMENT B
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Institutional (schools, government, etc.)</i> LAC171026-02 ArtCenter College of Design Master Plan	The proposed project consists of development of two campuses: the Hillside Campus and the South Campus over 15 years. The Hillside Campus will include construction of two buildings totaling 19,020 square feet and photovoltaic canopies with a maximum height of 20 feet on 155.95 acres. The South Campus will include construction of two student housing buildings with a maximum of 850 beds totaling 240,000 square feet and four administrative buildings totaling 220,000 square feet on 6.68 acres. The Hillside Campus of the project is located at 1700 Lida Street on the southeast corner of Pegfair Lane and Figueroa Street. The South Campus of the project is located on the northeast corner of South Raymond Avenue and East Glenarm Street. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/deir-artcentercollege-120517.pdf Comment Period: 10/26/2017 - 12/18/2017 Public Hearing: 11/8/2017	Draft Environmental Impact Report	City of Pasadena	SCAQMD staff commented on 12/5/2017
<i>Institutional (schools, government, etc.)</i> LAC171026-03 LACMA Building for the Permanent Collection	The proposed project consists of demolition of five museum facilities totaling 392,871 square feet and construction of a 387,500-square-foot museum building on 2.5 acres. The project is located on the southeast corner of Wilshire Boulevard and Spaulding Avenue. Reference LAC160804-06 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/deir-lacmabuilding-120517.pdf Comment Period: 10/26/2017 - 12/15/2017 Public Hearing: 11/7/2017	Draft Environmental Impact Report	County of Los Angeles	SCAQMD staff commented on 12/5/2017
<i>Medical Facility</i> LAC171114-08 Oakmont Agoura Hills Project (CUP-01358-2017, SIGN-01361-2017, and OAK-01360-2017)	The proposed project consists of construction of a 71,020-square-foot elder care facility with 75 units on 5.7 acres. The project is located at 29353 Canwood Street on the northwest corner of Canwood Street and Kanan Road. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/mnd-oakmontagourahills-121417.pdf Comment Period: 11/16/2017 - 12/18/2017 Public Hearing: N/A	Notice of Intent to Adopt a Mitigated Negative Declaration	City of Agoura Hills	SCAQMD staff commented on 12/14/2017
<i>Retail</i> SBC171110-05 Hotel & Casino Expansion Project	The proposed project consists of construction of 795,000 square feet of entertainment and hospitality facilities on 70 acres. The project is located on the northwest corner of East Lynwood Drive and North Victoria Avenue within and adjacent to the existing San Manuel Casino on the Tribe's Reservation. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-hotelandcasino-120517.pdf Comment Period: 11/7/2017 - 12/7/2017 Public Hearing: N/A	Notice of Preparation	San Manuel Band of Mission Indians	SCAQMD staff commented on 12/5/2017

- Project has potential environmental justice concerns due to the nature and/or location of the project.

** Disposition may change prior to Governing Board Meeting

ATTACHMENT B
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Retail SBC171117-04 Greenspot Connection - Conditional Use Permit (CUP-17-003), Design Review Application (DRA-17-006) and Tentative Parcel Map (17-002)	The proposed project consists of construction of a 3,500-square-foot convenience store and a gasoline station with six fueling pumps on 1.51 acres. The project is located at 28099 Greenspot Road near the southwest corner of Greenspot Road and Boulder Avenue. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/sp-greenspotconnection-120517.pdf Comment Period: 11/13/2017 - 11/27/2017 Public Hearing: N/A	Site Plan	City of Highland	SCAQMD staff commented on 12/5/2017
General Land Use (residential, etc.) LAC171110-06 The Elysian Park Lofts (ENV-2016-4046-EIR)	The proposed project consists of demolition of 22,690 square feet of existing buildings and construction of new buildings totaling 1,159,800 square feet with 920 residential units on 8.08 acres. The project will also preserve 3.24 acres of open space. The project is located at 1030-1380 North Broadway and 1251 North Spring Street on the southwest corner of North Broadway and Elysian Park Drive in the community of Central City North. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-elysianparklofts-120517.pdf Comment Period: 11/6/2017 - 1/31/2018 Public Hearing: 11/14/2017	Notice of Preparation	City of Los Angeles	SCAQMD staff commented on 12/5/2017
General Land Use (residential, etc.) LAC171118-01 Rio Rancho III Residential Project	The proposed project consists of construction of 110 residential units on 11.58 acres. The project is located on the southwest corner of West Lexington Avenue and South White Avenue. Reference LAC161209-03 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/deir-rioranchoiiiireidential-122017.pdf Comment Period: 11/20/2017 - 1/18/2018 Public Hearing: N/A	Draft Environmental Impact Report	City of Pomona	SCAQMD staff commented on 12/20/2017
General Land Use (residential, etc.) RVC171116-03 Fleming Ranch (Specific Plan No. 2017-187)	The proposed project consists of construction of 1,080 residential units, 27.5 acres of water quality basins, 20.4 acres of commercial uses, 36.6 acres of street improvements, and 12.9 acres of open space on 331 acres. The project is located near the southeast corner of Rouse Road and Encanto Drive. Reference RVC170901-02 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-flemingranch-120517.pdf Comment Period: 11/14/2017 - 12/14/2017 Public Hearing: 11/30/2017	Notice of Preparation	City of Menifee	SCAQMD staff commented on 12/5/2017
General Land Use (residential, etc.) RVC171116-07 Mill Creek Promenade Specific Plan No. 2016-246	The proposed project consists of construction of 398 residential units on a 34.52-acre portion of 58.5 acres. The project will also include development of 117,208 square feet of commercial uses, 33,288 square feet of industrial park, and 8.03 acres of open space. The project is located on the southwest corner of Garbani Road and Haun Road. Reference RVC170613-05, RVC161115-01 and RVC160308-07 http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-millcreekpromenade-120517.pdf Comment Period: 11/14/2017 - 12/14/2017 Public Hearing: 11/28/2017	Notice of Preparation	City of Menifee	SCAQMD staff commented on 12/5/2017

- Project has potential environmental justice concerns due to the nature and/or location of the project.

** Disposition may change prior to Governing Board Meeting

ATTACHMENT B
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Plans and Regulations</i>	The proposed project consists of establishment of regulations to transition existing in-use internal combustion powered airport shuttle buses to zero-emission vehicles. The project would apply to private and public fixed destination shuttles that serve California's commercial airports. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2017/nop-zeroemissionairport-121517.pdf Comment Period: 11/17/2017 - 12/18/2017 Public Hearing: 12/4/2017	Notice of Preparation	California Air Resources Board	SCAQMD staff commented on 12/15/2017
ALL171117-01 Zero-Emission Airport Shuttle Bus Regulation				

- Project has potential environmental justice concerns due to the nature and/or location of the project.

** Disposition may change prior to Governing Board Meeting

ATTACHMENT C
ACTIVE SCAQMD LEAD AGENCY PROJECTS
THROUGH DECEMBER 31, 2017

PROJECT DESCRIPTION	PROPONENT	TYPE OF DOCUMENT	STATUS	CONSULTANT
Edgington Oil Company (Edgington) is proposing the following modifications at its existing Edgington Refinery site to allow for additional flexibility in using the site for terminal operations: 1) add 18 offloading arms at its existing rail tank car loading facility to allow for the offloading of distillates, biodiesel, and renewables (diesel and jet fuels), ethanol, naphtha, alkylates, reformate, and isooctane; 2) modify seven truck loading racks to allow distillates, biodiesel, and renewables to be loaded; 3) modify one rack (two arms) to allow unloading of crude oil from trucks; and 4) modify 16 existing fixed-roof asphalt storage tanks to allow storage of distillates, biodiesel, and renewables.	Edgington Oil Company	Initial Study (IS)	An Initial Study has been prepared by the consultant and SCAQMD staff has provided comments. The consultant is in the process of revising the Initial Study.	InterAct
The Phillips 66 (formerly ConocoPhillips) Los Angeles Refinery Ultra Low Sulfur Diesel project was originally proposed to comply with federal, state and SCAQMD requirements to limit the sulfur content of diesel fuels. Litigation against the CEQA document was filed. Ultimately, the California Supreme Court concluded that the SCAQMD had used an inappropriate baseline and directed the SCAQMD to prepare an EIR, even though the project has been built and has been in operation since 2006. The purpose of this CEQA document is to comply with the Supreme Court's direction to prepare an EIR.	Phillips 66 (formerly ConocoPhillips), Los Angeles Refinery	Environmental Impact Report (EIR)	The Notice of Preparation/Initial Study (NOP/IS) was circulated for a 30-day public comment period on March 26, 2012 to April 26, 2012. The consultant submitted the administrative Draft EIR to SCAQMD in late July 2013. The Draft EIR was circulated for a 45-day public review and comment period from September 30, 2014 to November 13, 2014. Two comment letters were received and responses to comments are being prepared.	Environmental Audit, Inc.
Quemetco is proposing an increase in the daily furnace feed rate.	Quemetco	Environmental Impact Report (EIR)	A Notice of Preparation/Initial Study (NOP/IS) has been prepared by the consultant and SCAQMD staff has provided comments. The consultant has provided a revised NOP/IS which is undergoing SCAQMD review.	Trinity Consultants

ATTACHMENT C
ACTIVE SCAQMD LEAD AGENCY PROJECTS
THROUGH DECEMBER 31, 2017

PROJECT DESCRIPTION	PROPONENT	TYPE OF DOCUMENT	STATUS	CONSULTANT
Southern California Edison (SCE) is proposing to modify the air pollution control system for the Barre Peaker unit to repair current and prevent future water damage by: 1) decreasing the water-injection rate into the turbine's combustor; 2) replacing the oxidation catalyst and increasing the overall area of catalyst beds in the selective catalytic reduction (SCR) unit; 3) replacing the ammonia injection grid to improve the deliverability of ammonia to the catalyst; and, 4) increasing the concentration of the aqueous ammonia that is delivered to the facility, stored on-site, and injected into the SCR unit from 19% to 29%. In addition, SCE is proposing to revise its SCAQMD Title V Operating Permit to allow the turbine to generate power over its full operating range, from less than one megawatt (MW) to full load (e.g., 45 MW net), while continuing to meet the emission limits in the current permit.	Southern California Edison	Addendum to the April 2007 Final Mitigated Negative Declaration for the Southern California Edison Barre Peaker Project in Stanton	A draft Addendum has been prepared by the consultant and is under review by SCAQMD staff.	Yorke Engineering, LLC
Southern California Edison (SCE) is proposing to modify the air pollution control system for the Mira Loma Peaker unit to repair current and prevent future water damage by: 1) decreasing the water-injection rate into the turbine's combustor; 2) replacing the oxidation catalyst and increasing the overall area of catalyst beds in the Selective Catalytic Reduction (SCR) unit; 3) replacing the ammonia injection grid to improve the deliverability of ammonia to the catalyst; and, 4) increasing the concentration of the aqueous ammonia that is delivered to the facility, stored on-site, and injected into the SCR unit from 19% to 29%. In addition, SCE is proposing to revise its SCAQMD Title V Operating Permit to allow the turbine to generate power over its full operating range, from less than one megawatt (MW) to full load (e.g., 45 MW net), while continuing to meet the emission limits in the current permit.	Southern California Edison	Addendum to the April 2007 Final Mitigated Negative Declaration for the Southern California Edison Mira Loma Peaker Project in Ontario	A draft Addendum has been prepared by the consultant and is under review by SCAQMD staff.	Yorke Engineering, LLC

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 25

REPORT: Technology Committee

SYNOPSIS: The Technology Committee held a meeting on Friday, January 19, 2018. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Joe Buscaino, Chair
Technology Committee

MMM:pmk

Committee Members

Present: Council Member Joe Buscaino/Chair (videoconference), Mayor Larry McCallon, Mayor Pro Tem Judith Mitchell and Council Member Dwight Robinson

Absent: Supervisor Janice Rutherford and Supervisor Hilda L. Solis

Call to Order

Chair Buscaino called the meeting to order at 12:03 p.m.

ACTION ITEMS:

Chair Buscaino asked the Committee to take Items #1 and #2 on consent. Council Member Robinson indicated he had a comment on Item #2. The Committee then approved Agenda Item #1 only without objection.

1. Issue Request for Qualifications for Technical Assistance to Support Technology Advancement Activities

This action is to issue a Request for Qualifications (RFQ) to solicit statements of qualifications from individuals and organizations capable of providing technical expertise in a variety of specialized areas to support SCAQMD's technology advancement activities and implementation efforts. It is anticipated that multiple awards for level-of-effort contracts will be made from this solicitation.

2. Renew California Fuel Cell Partnership Membership and Participation, Receive and File California Fuel Cell Partnership Board Meeting Agenda and Quarterly Updates, and Participate in California Hydrogen Infrastructure Research Consortium

Since early 2000, SCAQMD has been a California Fuel Cell Partnership (CaFCP) member and for even longer has been building partnerships with various California agencies and national laboratories. These partners propose forming a consortium focused on near-term hydrogen infrastructure, and recently submitted a joint proposal led by GO-Biz to advance hydrogen infrastructure relevant to the DOE H2@Scale Initiative, a concept to explore wide-scale hydrogen production and utilization in the U.S. These actions are to execute one or more contracts with Frontier Energy, Inc., acting on behalf of the CaFCP, in an amount not to exceed \$245,000 from the Clean Fuels Program Fund (31) to renew SCAQMD's CaFCP membership for 2018, cofund 50 percent of the CaFCP Regional Coordinator position, and provide support for fuel cell truck and bus codes and standards coordination as well as to receive and file the last CaFCP Board Meeting Agenda and recent Quarterly Updates. This action is to also execute an agreement with the National Renewable Energy Laboratory for \$100,000 from the Clean Fuels Program Fund (31) to participate in the California Hydrogen Infrastructure Research Consortium.

Council Member Robinson suggested using the fuel cell vehicles for further education and outreach in large events like the Huntington Beach July 4th parade or the Martin Luther King Day parades, as well as possibly pace cars for the Long Beach Grand Prix or Laguna Seca.

Mayor McCallon inquired about the number of Executive Members of the CaFCP, and what other member provides funding for the Regional Coordinator. Staff informed the committee that there are fourteen Executive Members, with additional members, including the Bay Area Air Quality Management District, at graduated rates, and the remaining 50 percent cost share for the Regional Coordinator is provided by the rest of the members.

Mayor Pro Tem Mitchell identified for the record that she is a CARB Board Member, which is involved in Items #2 and #3.

Moved by Robinson; seconded by McCallon; unanimously approved.

Ayes: Buscaino, McCallon, Mitchell and Robinson
Noes: None
Absent: Rutherford and Solis

3. Demonstrate Zero Emission Cargo Handling Vehicles at Port of Long Beach

The Port of Long Beach and its project partners have received \$5.3 million in funding from CARB through its Low Carbon Transportation Investments and Air Quality Improvement Program grant solicitation to demonstrate five zero emission cargo handling vehicles at the Port of Long Beach. This demonstration includes three battery electric top handlers, one battery electric yard truck and one hydrogen fuel cell yard truck. The project will provide a unique opportunity to directly compare the performance of battery electric trucks to hydrogen fuel cell trucks. Project partners include CARB, Port of Long Beach, Long Beach Container Terminal and SSA Marine Terminal for a total project cost of \$8.3 million. This action is to execute a contract with the Port of Long Beach in an amount not to exceed \$350,000 from the Clean Fuels Fund (31).

Mayor McCallon inquired as to why CARB and SCAQMD were funding a demonstration project to assist Ports in deciding which technologies were more beneficial from an operational and not emissions standpoint. Staff explained that the Ports are concerned about duty cycle and longevity of various zero emission technologies, and which would work best in the Port environment. In addition, this project is expected to yield GHG and criteria pollutant emission reductions from today's baseline diesel equipment and that the role of this demonstration project will help the Ports determine which zero emission technology will best serve their purpose.

Council Member Buscaino asked how long the demonstration period would be and staff informed the committee that the demonstration period is 6 months with potential for a longer demonstration period.

Moved by McCallon; seconded by Mitchell; unanimously approved.

Ayes: Buscaino, McCallon, Mitchell and Robinson

Noes: None

Absent: Rutherford and Solis

4. Recognize Revenue to Develop Test Standard for Performance Verification of Low-Cost Indoor Air Quality Sensors

DOE's Office of Energy Efficiency and Renewable Energy awarded its competitive research grant, "Building America Industry Partnerships for High Performance Housing Innovation," to Newport Partners, LLC, to develop an American Society for Testing and Materials test standard for performance verification of low-cost indoor air quality sensors. SCAQMD and researchers from Home Ventilating Institute and Texas A&M Riverside Energy Efficiency Laboratory will collaborate with Newport Partners, LLC, on the development of this test standard. This action is to recognize revenue up to \$56,106 from Newport Partners, LLC, to support collaboration of this project.

Moved by McCallon; seconded by Mitchell; unanimously approved.

Ayes: Buscaino, McCallon, Mitchell and Robinson

Noes: None

Absent: Rutherford and Solis

OTHER MATTERS:

7. Other Business:

There was no other business.

8. Public Comment Period:

There were no public comments.

9. Next Meeting Date

The next regular Technology Committee meeting is scheduled for Friday, February 16, 2018 at noon.

Adjournment

The meeting adjourned at 12:16 p.m.

Attachment

Attendance Record

ATTACHMENT

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TECHNOLOGY COMMITTEE MEETING

Attendance – January 19, 2018

Council Member Joe Buscaino (Videoconference)SCAQMD Board Member
Mayor Larry McCallonSCAQMD Board Member
Mayor Pro Tem Judith MitchellSCAQMD Board Member
Council Member Dwight RobinsonSCAQMD Board Member

Ron KetchamBoard Consultant (McCallon)
Marisa PerezBoard Consultant (Mitchell)
Anna SolisBoard Consultant (Solis)

Naveen BerrySCAQMD Staff
Marjorie EatonSCAQMD Staff
Drue HargisSCAQMD Staff
Pat KrayserSCAQMD Staff
Fred MinassianSCAQMD Staff
Lisa MirisolaSCAQMD Staff
Matt MiyasatoSCAQMD Staff
Patricia KwonSCAQMD Staff
Joseph LopatSCAQMD Staff
Jason LowSCAQMD Staff
Ron MoskowitzSCAQMD Staff
Wayne NastriSCAQMD Staff
Andrea PolidoriSCAQMD Staff
Veera TyagiSCAQMD Staff
Vicki WhiteSCAQMD Staff
Laura GarrettSCAQMD Staff

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 26

REPORT: Mobile Source Air Pollution Reduction Review Committee

SYNOPSIS: Below is a summary of key issues addressed at the MSRC's meeting on January 18, 2018. The next meeting is scheduled for Thursday, February 15, 2018, at 2:00 p.m., in Conference Room CC8.

RECOMMENDED ACTION:
Receive and file.

Ben Benoit
SCAQMD Representative on MSRC

MMM:FM:psc

Meeting Minutes Approved

The MSRC unanimously approved the minutes of the November 16, 2017 meeting. Those approved minutes are attached for your information (*Attachment 1*).

Modification of 2018 MSRC-TAC Meeting Schedule

In November 2017, the MSRC approved the 2018 meeting schedules for the MSRC-TAC and MSRC. The MSRC-TAC schedule showed an incorrect date for the March meeting. The meeting date was moved from March 8, 2018 to March 1, 2018.

FYs 2016-18 Natural Gas Infrastructure Program

The MSRC approved the release of Program Announcement #PA2017-07 under the FYs 2016-18 Work Program. The Program Announcement, with a targeted funding level of \$4.0 million, provides funds for new and expanded natural gas stations, as well as for the upgrade of existing vehicle maintenance facilities and technician training. Stations will be eligible for up to 50 percent of station capital equipment, site construction, signage, and reasonable project management costs, not to exceed the specified maximum award amounts. The maximum MSRC funding per project varies from \$100,000 to \$275,000 depending upon whether the applicant is a public or private entity, the accessibility level of the proposed project, and the number of fuels offered. Additionally, projects may be eligible for a \$100,000 bonus if they commit to use at least 50% renewable natural gas for a minimum of five years. The RFP includes an

open application period commencing with its release on June 2, 2017, and closing June 29, 2018. To date, the MSRC has awarded a total of \$118,500. The MSRC considered recommendations concerning two additional applications and approved a contract with the City of Banning in an amount not to exceed \$225,000 and a contract with the City of Norwalk in an amount not to exceed \$75,000, as part of the FYs 2016-18 Work Program. These contract awards will be considered by the SCAQMD Board at its February 2, 2018 meeting.

FYs 2016-18 Major Event Center Transportation Program (PA2017-05)

As part of its FYs 2016-18 Work Program, the MSRC allocated \$5,000,000 for event center transportation programs and released Program Announcement #PA2017-05. The Program Announcement solicits applications from qualifying major event centers and/or transportation providers to provide transportation service for venues not currently served by sufficient transportation service. To date, the MSRC has awarded a total of \$2,247,809. The MSRC considered recommendations concerning an additional application submitted by Metrolink. Metrolink requested the MSRC to consider an award of \$87,764 to provide special train service for the final day of the 2018 Auto Club 400 NASCAR race to be held on March 18, 2018 at Auto Club Speedway. Service would be provided using Tier 4 locomotives, the cleanest available, on three routes, out of Oceanside, Oxnard, and Lancaster, with the first train arriving at 9:10 a.m. All three special Metrolink trains will wait up to 60 minutes following the conclusion of the race before departing. A dedicated tram service will connect patrons from the train platforms to the track. Service would promote the use of rail in lieu of personal automobile. Metrolink and the Auto Club Speedway would contribute at least \$245,000 in co-funding. The MSRC approved a contract award to Metrolink in an amount not to exceed \$87,764 as part of the FYs 2016-18 Work Program. This contract award will be considered by the SCAQMD Board at its February 2, 2018 meeting.

FYs 2016-18 Local Government Partnership Program

The MSRC approved the release of Local Government Partnership PON2018-01 under the FYs 2016-18 Work Program. The Invitation to Negotiate (ITN), with a targeted funding level of \$21,180,650, focuses on providing funds for projects to support SCAQMD's 2016 AQMP. Cities and counties which have opted into the AB 2766 motor vehicle registration surcharge fee program are eligible to participate. The majority of participants would be allocated maximum funding equivalent to their annual AB 2766 Subvention Fund allocation; however, those whose annual Subvention Fund allocation is less than \$50,000 would be eligible to receive a maximum of \$50,000, and the maximum allocation for any single city or county would be \$3,000,000. MSRC funding could be used for light-duty zero emission vehicle purchases and leases; medium- and heavy-duty zero emission vehicle purchases, near-zero emission heavy-duty alternative fuel vehicle purchases and repower, electric vehicle charging station installation, and construction or expansion of alternative fuel refueling infrastructure, subject to match funding requirements as outlined in the ITN. Additionally, those

jurisdictions eligible for a maximum contribution of \$50,000 would have the option to pursue traffic signal synchronization, bicycle active transportation, and first mile/last mile strategies. The ITN includes an open application period commencing with its release on September 1, 2017, and closing March 2, 2018. The MSRC considered recommendations regarding four applications: (1) City of Hidden Hills in an amount not to exceed \$49,999 to procure up to two light-duty zero-emission vehicles and install electric vehicle charging infrastructure; (2) City of Colton in an amount not to exceed \$67,881 to procure one medium-duty and one heavy-duty zero-emission vehicles; (3) City of Signal Hill in an amount not to exceed \$49,661 to install electric vehicle charging infrastructure; and (4) City of Desert Hot Springs in an amount not to exceed \$50,000 to synchronize signals on Palm Drive. The MSRC unanimously approved four awards totaling \$217,541 as part of the FYs 2016-18 Work Program. These contract awards will be considered by the SCAQMD Board at its February 2, 2018 meeting.

FYs 2016-18 County Transportation Commission Partnership Program

The MSRC approved release of an Invitation to Negotiate for the CTC Partnership Program under the FYs 2016-18 Work Program. The ITN, with a targeted funding level of \$8,000,000, seeks to stimulate the demonstration of innovative projects, as well as expand “tried and true” air quality improvement strategies. CTCs within SCAQMD are eligible to participate. Other public and private entities could participate as subcontractors to a CTC. Each CTC is eligible to receive a maximum of \$2,000,000 on a sole-source contract award basis. Eligible project types include, but are not necessarily limited to: capital improvement projects, capital purchase projects including fleet vehicle purchases that meet, at a minimum, ARB’s optional 0.02 g/bhp-hr NOx emissions standard, traffic signal coordination, ridesharing programs, active transportation programs including bicycle sharing projects, transit pass incentive programs, freeway service patrols, first mile/last mile strategies, and information technology projects that focus on air quality improvement. The ITN includes an open application period commencing with its release on December 1, 2017, and closing June 29, 2018. The MSRC considered recommendations concerning two work plans submitted by RCTC.

Firstly, RCTC requested the MSRC to consider an award of \$500,000 to implement new weekend FSP service. The purpose of the FSP program is to provide continuously roving tow truck services along designated freeway segments (referred to as beats) to relieve freeway congestion and facilitate the rapid removal of disabled vehicles as well as vehicles involved in minor accidents. New weekend service is proposed for State Route 91 from Magnolia Avenue to the 60/91/215 Interchange, and on State Route 60/Interstate 215 from Central Avenue to I-215 at Alessandro Boulevard to State Route 60 at Theodore Street. The project would start with a base schedule of 10 a.m. to 6 p.m. on Saturdays and Sundays. After the first six months, RCTC would evaluate the service and determine if any schedule adjustments were warranted. Given a maximum 8-hour service schedule per weekend day, it is projected that the \$500,000 request would

provide for 27 months of operations. RCTC would provide a minimum of \$133,000 in California Highway Patrol supervision co-funding. The MSRC approved a contract award to RCTC in an amount not to exceed \$500,000 as part of the FYs 2016-18 Work Program for the weekend FSP service.

Secondly, RCTC requested the MSRC to consider an award of \$1,500,000 to implement a long distance commuter vanpool program. The program would target long distance commuters who travel more than 30 roundtrip miles per day and a minimum of 12 days per month. The drivers and passengers would be commuters traveling to and from their worksites. Vans could either be leased through the California Vanpool Authority (CalVans) or a private sector third-party leasing vendor to be selected by RCTC, with a monthly subsidy of 50% of the vanpool lease costs, not to exceed \$400 per month. Program administration would be provided by a consultant to be selected by RCTC. RCTC anticipates enrolling 224 vanpools by the end of FY 2019-20. RCTC would contribute a minimum of \$208,000 in vanpool subsidy co-funding, plus staff and consultant support. The MSRC approved a contract award to RCTC in an amount not to exceed \$1,500,000 as part of the FYs 2016-18 Work Program for the vanpool incentive program. These contract awards will be considered by the SCAQMD Board at its February 2, 2018 meeting.

Contract Modification Requests

The MSRC considered four contract modification requests and took the following actions:

1. For City of Beverly Hills, Contract #ML09033, which provides \$550,000 to purchase 10 heavy-duty CNG vehicles and Install CNG station, an eight-month contract term extension, due to delays associated with the City's vehicle replacement schedule;
2. For City of Corona, Contract #ML14019, which provides \$178,263 to install EV charging, bicycle racks and bicycle lockers, a four-month contract term extension, due to expected delays in Southern California Edison meter installation at two of the EV charging station locations;
3. For City of Long Beach, Contract #ML16017, which provides \$1,445,400 to purchase 48 medium-duty and 16 heavy-duty natural gas vehicles and install a CNG station, a modified statement of work substituting some vehicles and increasing the totals to 50 medium-duty and 19 heavy-duty, due to changes in department needs;
4. For San Bernardino County Transportation Authority (SBCTA), Contract #MS14072, which provides \$1,250,000 to implement signal synchronization projects, a two-year term extension due to delays in the modification of signals at three intersections, which must be completed before interconnecting the traffic signals.

The SCAQMD Board will consider the above contract modification for SBCTA at its February 2, 2018 meeting.

Received and Approved Final Reports

The MSRC received and unanimously approved two final report summaries this month as follows:

1. SCRRA (Metrolink), Contract #MS16100, which provided \$80,455 for Metrolink Service to the Auto Club Speedway; and
2. Transit Systems Unlimited, Inc., Contract #MS16088, which provided \$17,000 for the expansion of an existing CNG station.

Contracts Administrator's Report

The MSRC's AB 2766 Contracts Administrator provides a written status report on all open contracts from FY 2004-05 through the present. The Contracts Administrator's Report for October 26, 2017 through January 3, 2018 is attached (Attachment 2) for your information.

Attachments

Attachment 1 – Approved November 16, 2017 Meeting Minutes

Attachment 2 – October 26, 2017 through January 3, 2018 Contracts Administrator's Report



**MOBILE SOURCE AIR POLLUTION REDUCTION REVIEW COMMITTEE
THURSDAY, NOVEMBER 16, 2017 MEETING MINUTES**

21865 Copley Drive, Diamond, Bar, CA 91765 - Conference Room CC-8

MEMBERS PRESENT:

(Vice-Chair) Larry McCallon, representing SBCTA
Michael Carter (Alt.), representing California Air Resources Board
Michele Martinez, representing SCAG
Dolores Roybal Saltarelli, representing Regional Rideshare Agency (via v/c)
Greg Winterbottom, representing OCTA

MEMBERS ABSENT:

Ben Benoit, representing SCAQMD
Jack Kitowski, representing California Air Resources Board
(Chair) Greg Pettis, representing RCTC
Steve Veres, representing LA County MTA
Mark Yamarone (Alt.), representing Los Angeles County MTA (via v/c)

MSRC-TAC MEMBERS PRESENT:

Rongsheng Luo, SCAG
Vicki White, SCAQMD

OTHERS PRESENT:

Ric Teano, OCTA
Rye Baerg, SCAG

SCAQMD STAFF & CONTRACTORS

Leah Alfaro, MSRC Contracts Assistant
Penny Shaw Cedillo, MSRC Administrative Liaison
Ray Gorski, MSRC Technical Advisor-Contractor
Megan Lorenz, Principal Deputy District Counsel
Matt Miyasato, Deputy Executive Officer
Fred Minassian, Asst. Deputy Executive Officer
Cynthia Ravenstein, MSRC Contracts Administrator
Paul Wright, Information Technology Specialist

CALL TO ORDER

- Call to Order
Vice-Chair Larry McCallon called to order at 2:01 p.m.

Roll call was taken at the start of the meeting. The following members and alternates were present: Michael Carter, Michele Martinez, Larry McCallon, Dolores Roybal Saltarelli, Greg Winterbottom.

- Opening Comments

There were no opening comments.

STATUS REPORT

Copies of the Clean Transportation Policy Update were distributed at the meeting.

CONSENT CALENDAR (Items 1 through 4)
Receive and Approve Items**Agenda Item #1 – Minutes for the September 21, 2017 MSRC Meetings**

The minutes of the September 21, 2017 meeting were distributed at the meeting.

ON MOTION BY MSRC MEMBER DOLORES ROYBAL SALTARELLI AND
SECONDED BY MSRC MEMBER GREG WINTERBOTTOM, UNDER
APPROVAL OF CONSENT CALENDAR ITEMS #1 THROUGH #4, THE
MSRC UNANIMOUSLY APPROVED THE SEPTEMBER 21, 2017 MSRC
MEETING MINUTES.

AYES: CARTER, MARTINEZ, MCCALLON, ROYBAL SALTARELLI,
WINTERBOTTOM.

NOES: NONE.

ACTION: Staff will include the September 21, 2017 meeting minutes in the MSRC Committee Report for the December 1, 2017 SCAQMD Board meeting and will place copies on the MSRC's website.

Agenda Item #2 – Consider Adoption of 2018 Meeting Schedules

Annually the MSRC considers a proposed meeting schedule for the upcoming year. The schedule continues with meetings on the first and third Thursdays, respectively, for the MSRC-TAC and MSRC, with two exceptions. Staff recommends the MSRC-TAC meetings in January and December be held on the second Thursday of the month to avoid holiday conflicts.

ON MOTION BY MSRC MEMBER DOLORES ROYBAL SALTARELLI AND SECONDED BY MSRC MEMBER GREG WINTERBOTTOM, UNDER APPROVAL OF CONSENT CALENDAR ITEMS #1 THROUGH #4, THE MSRC UNANIMOUSLY VOTED TO ADOPT THE 2018 MSRC AND MSRC-TAC MEETING SCHEDULES.

AYES: CARTER, MARTINEZ, MCCALLON, ROYBAL SALTARELLI, WINTERBOTTOM.

NOES: NONE.

ACTION: No further action is required.

Information Only - Receive and File

Agenda Item #3 – MSRC Contracts Administrator’s Report

The MSRC AB 2766 Contracts Administrator’s Report for August 31 through October 25, 2017 was included in the agenda package.

ON MOTION BY MSRC MEMBER DOLORES ROYBAL SALTARELLI AND SECONDED BY MSRC MEMBER GREG WINTERBOTTOM, UNDER APPROVAL OF CONSENT CALENDAR ITEMS #1 THROUGH #4, THE MSRC UNANIMOUSLY VOTED TO RECEIVE AND FILE THE CONTRACTS ADMINISTRATOR’S REPORT FOR AUGUST 31 THROUGH OCTOBER 25, 2017.

AYES: CARTER, MARTINEZ, MCCALLON, ROYBAL SALTARELLI, WINTERBOTTOM.

NOES: NONE.

ACTION: Staff will include the MSRC Contracts Administrator’s Report in the MSRC Committee Report for the December 1, 2017 SCAQMD Board meeting.

Agenda Item #4 – Financial Report on AB 2766 Discretionary Fund

A financial report on the AB 2766 Discretionary Fund for October 2017 was included in the agenda package.

ON MOTION BY MSRC MEMBER DOLORES ROYBAL SALTARELLI AND SECONDED BY MSRC MEMBER GREG WINTERBOTTOM, UNDER OF APPROVAL OF CONSENT CALENDAR ITEMS #1 THROUGH #4, THE MSRC UNANIMOUSLY VOTED TO RECEIVE AND FILE THE FINANCIAL REPORT FOR THE PERIOD ENDING OCTOBER 2017.

AYES: CARTER, MARTINEZ, MCCALLON, ROYBAL SALTARELLI, WINTERBOTTOM.

NOES: NONE.

ACTION: No further action is required.

ACTION CALENDAR (Items 5 through 9)**FYs 2016-18 WORK PROGRAM****Agenda Item #5 – Consider Option to Extend Programmatic Outreach #MS16030 – The Better World Group**

Cynthia Ravenstein, MSRC Contracts Administrator, reported on this item. Following an open RFP process in 2015 the MSRC awarded \$120,000 for problematic outreach services to the Better World Group. The contract allowed for a two-year extension in an amount not to exceed \$125,903, contingent upon allocation of funds by the MSRC and approval by SCAQMD Governing Board. The MSRC-TAC Administrative Subcommittee was convened to review the Better World Group's performance over the past year and a half or so and their consensus was overall the Better World Group was doing a good job. MSRC-TAC recommends that the contract extension option be exercised carrying over any unexpended funds that are remaining in the contract, based on the proposal that was submitted back in 2015, the cost of the option is set at \$125,903.

ON MOTION BY MSRC MEMBER MICHELE MARTINEZ AND
SECONDED BY MSRC MEMBER GREG WINTERBOTTOM THE MSRC
UNANIMOUSLY VOTED TO EXECUTE THE TWO-YEAR OPTION ON
CONTRACT #MS16030 AND ALLOCATED \$125,903 TO THE BETTER
WORLD GROUP.

AYES: CARTER, MARTINEZ, MCCALLON, ROYBAL SALTARELLI,
WINTERBOTTOM.

NOES: NONE.

ACTION: MSRC Staff will amend the above contract accordingly.

Agenda Item #6 – Consider Hydrogen Infrastructure Partnership Program

Cynthia Ravenstein, MSRC Contracts Administrator, reported on this item. At the May 18, 2017 meeting, the MSRC considered a proposed infrastructure program concept. Along with natural gas and electric vehicle support equipment, another concept was hydrogen fueling infrastructure. The targeted funding amount for hydrogen infrastructure was \$3M. The California Energy Commission (CEC) has offered to provide assistance in the selection and administration of MSRC funded hydrogen projects. The MSRC would be able to set parameters for the projects, one of those being prioritization of at least one project from each county within the south coast air basin. The CEC would provide a list of potential hydrogen refueling station projects for consideration, looking first at projects that have already been proposed but were not able to be funded. If there were not adequate projects to meet the set parameters, they would help the MSRC to identify other potential projects that meet parameters. They would also provide advice concerning the strengths and weaknesses of each of the other projects; the SCAQMD would also be asked for their input. There could be some desire to co-fund some of the projects because these projects are not low cost. It would be brought back to the MSRC to decide the specific projects to be funded. Once the decision is made, CEC would do the day-to-day administration

of the projects, they would enter into the contracts for the project component with MSRC staff oversight. They have offered to do this at no cost. The MSRC-TAC is recommending approval of establishing a Hydrogen Infrastructure Partnership Program with the California Energy Commission in the amount of \$3M.

MSRC Member Michele Martinez questioned if projects were submitted to the California Energy Commission, they're going to be the first in the queue, are they still going to open up projects for others in the region to actually apply? Are they going to look at projects that did not receive funding or maybe were not eligible at the time? Are they going to look at those first or we going to have an opening of projects giving the other jurisdictions opportunity? Ms. Ravenstein replied the idea was to first look at some things that have already been vetted but if amongst those, the MSRC does not find something that they want or is not being met, whether it is a geographic consideration or some other consideration, they would help to identify other projects. Ms. Martinez added I just want to make sure that there is balance across the region. Vice-Chair Larry McCallon added that our concern has always been to make sure there is geographical equity as much as possible and to make sure the funds are used. If we cannot find something in one of their areas, the funds will not be distributed.

ON MOTION BY MSRC MEMBER MICHELE MARTINEZ AND
SECONDED BY MSRC MEMBER GREG WINTERBOTTOM, THE MSRC
UNANIMOUSLY VOTED TO APPROVE AN AWARD TO THE
CALIFORNIA ENERGY COMMISSION FOR \$3M.

AYES: CARTER, MARTINEZ, MCCALLON, ROYBAL SALTARELLI,
WINTERBOTTOM.

NOES: NONE.

ACTION: This item will be considered by the SCAQMD Board at its meeting on December 1, 2017.

Agenda Item #7 – Consider Sole Source Funding Award to the UCLA Luskin Center for Innovation (Luskin Center) for Planning for Electric Vehicle Charging Infrastructure Investments

Ray Gorski, MSRC Technical Advisor, presented this item. This item is asking your review and approval to award a contract to the Luskin Center for Innovation of UCLA in the amount of \$250,795. This is another element of the infrastructure program which the MSRC has under its two-year work program, this being specifically for electric vehicle charging infrastructure or EVSE, as it is typically referred to. When the MSRC allocated the funding for electric vehicle charging infrastructure, there were two primary areas of focus: (1) workplace charging, looking where people would spend the majority of their day, such that they can charge their electric vehicle while they are at their work location; and (2) multi-unit developments, they are really the most difficult to tackle. Multi-unit housing really doesn't have much of an incentive to put in another piece of infrastructure that has a cost associated with it when they themselves aren't necessarily a beneficiary of it. We feel that to adequately address what is needed as far as the overall EV marketplace, those are two areas that need additional focus. There's a lot going on with residential charging. As you are aware, the MSRC has partnered with the South Coast Air Quality Management District on a residential EV Charging Buy Down Program. There are lots

of other programs that are being offered not only through state agencies but also the VW settlement. When this Committee gave the green light to go forth and put our heads together and figure out how we're going to approach multi-unit developments and workplace charging, it became obvious that it's difficult and there are a lot of other entities that you need to coordinate with. Everyone is looking at doing their share of this overall EVSE implementation strategy. We were approached with the recommendation from SCAG to look at some work which has been done by UCLA's Luskin Center, specifically some studies they had done focusing on the Santa Monica area as well as Rancho Palos Verdes. Luskin has developed more of an analytical approach to assessing where the needs for EVSE are and more importantly where investments should be made, will they be utilized so that you will have a return on that investment. They do this by doing a relatively detailed assessment of where the chargers are located, where the workforce is migrating to and from on a daily basis, what's the employee base, and other demographic considerations that would make you believe that this would be a place to install EV chargers that would be utilized. They were able to present that to us in a manner that we felt would be beneficial if that was broadened to include the entire South Coast region. We are recommending to partner with UCLA's Luskin Center to implement a program that would help the MSRC identify strategic locations for the implementation of multi-unit development and workplace charging, so when funding is available, we will have a higher probability we will actually get chargers at those locations and in fact they will have a high rate of utilization. Instead of taking just a broad swath, this is doing some work up front to help do a more surgical assessment of what the opportunities are and then focus your resources on those opportunities which will yield the highest return. We have been working with other regulatory agencies such as the CEC and ARB. We presented it to them, they believe that not only would this benefit the MSRC programs but could also add benefit to other EVSE implementation programs which are being considered.

MSRC Member Michele Martinez commented that she is very supportive of this but what about for civic centers? To give you an example, Santa Ana, we are the county seat for Orange County, we have a lot of government entities, they are not just staying in the government buildings they go off to the downtown area to eat lunch and do other things and then they take their vehicle. One of the issues that was raised to me is we do not have any electric vehicle outlets downtown or anything else to help accommodate that. What is the true definition of workplace, do we have a definition or is it broad? Would it include something like a civic center where you're actually have multiple federal/state/local agencies surrounding a downtown to which they use their vehicles to commute? Mr. Gorski replied typically when we think about workplace charging, we really mean your final destination, where your employment is. The reason is, we anticipate that you will be plugging your car in for a relatively long period of time. It would be more of a daily charging as opposed to an opportunity charging. In putting infrastructure within an area such as your downtown Santa Ana, that is more of an opportunity charging, meaning that when you are going to lunch it would be great if you could plug your vehicle in for 30-45 minutes to get that additional charge but then take it off and let another user use that spot. They are both important if we are really going to achieve the level of electric vehicle adoption that the state suggests we need. For the workplace charging element, we are really looking at places where people are going to go and leave their vehicle there during the day. Cynthia Ravenstein, MSRC Contracts Administrator added that under the Local Partnership Match Program, your city does have an allocation. One of the most attractive options under that program is the publicly accessible electric vehicle charging category where MSRC would fund 75% of the cost.

MSRC Vice-Chair Larry McCallon stated that his concern is the \$254,795 will be taken away from the \$3M. Mr. Gorski replied that is exactly correct. The \$3M was anticipated to be leveraged with other monies which would be made available from other organizations including the California Energy Commission. It was never intended that the \$3M be the only funding which was brought forth for this program. The original number that we were hoping for was \$9M. The thought was it would be difficult to have staff expend a lot of effort trying to find locations. Mr. McCallon asked who allocated that. Mr. Gorski replied the MSRC. Mr. McCallon stated then it could be changed.

ON MOTION BY MSRC MEMBER MICHELE MARTINEZ AND
SECONDED BY MSRC MEMBER GREG WINTERBOTTOM, THE MSRC
UNANIMOUSLY VOTED TO APPROVE AN AWARD TO UCLA'S LUSKIN
CENTER FOR \$254,795.

AYES: CARTER, MARTINEZ, MCCALLON, ROYBAL SALTARELLI,
WINTERBOTTOM.

NOES: NONE.

ACTION: This item will be considered by the SCAQMD Board at its meeting on December 1, 2017.

Agenda Item #8 – Consider Sole Source Funding Award to the Southern California Association of Governments (SCAG) for Implementation of a Southern California Future Communities Partnership Program

MSRC Vice-Chair Larry McCallon noted for Agenda Item #8, that he has no financial interest however, he is a member of the Transportation Committee for Southern California Association of Governments (SCAG) and needs to disclose that for public record.

MSRC Member Michele Martinez noted for Agenda Item #8, that she has no financial interest however, she is a member of the Regional Council for Southern California Association of Governments (SCAG) and needs to disclose that for public record.

Ray Gorski, MSRC Technical Advisor, presented this item. This is another opportunity that's being presented to form a partnership with the Southern California Association of Governments (SCAG). As you may recall, the MSRC forged a partnership to do Active Transportation Programs last year with SCAG. This program uses a very similar format. It is a partnership where the MSRC would allocate \$2M but that would be matched by other resources which would be brought to bear, both by SCAG as well as a number of cities which would ultimately participate in the program. This program is looking at future communities "smart cities". It's trying to reduce vehicle miles traveled (VMT) in vehicle trips by implementing innovative technology which can eliminate automobile use. Over the past 25 years, the MSRC has done programs like this but that was before there were things like smartphones and other types of technology advancements which today we feel are going to significantly change how those strategies would be implemented. There needs to be work to identify what these strategies are and actually demonstrate them to quantify what the benefit is. This is a multi-phase project in which SCAG would be funding the initial two phases. SCAG will be responsible for conducting the initial research to identify the most promising technologies, as well as implementing a call for projects to identify entities, cities, and counties which would be willing to try some out and

also collect data to see how effective they are. The MSRC would have their funding applied in Phase 3, which is the issuance of a Request for Proposals to bring in additional projects to help perforate these technologies on a broader basis throughout the South Coast district, focusing primarily on cities and counties with additional support being provided by the County Transportation Commissions. The final phase of the program is the technical evaluation that would be funded by SCAG. Although this is a program which has many phases and is at least two years in duration, the MSRC funding would be used to demonstrate those projects which are going to result in the direct and quantifiable air quality benefits. The MSRC-TAC recommends approval of the award.

MSRC Vice-Chair Larry McCallon asked will this program be limited to the four counties of AQMD? Mr. Gorski replied that is correct. Even though SCAG is the MPO for six counties total, this would need to be within the four counties that comprise the South Coast Air Quality Management District.

MSRC Member Michele Martinez commented I'd like to thank the TAC for moving forward and being a visionary in partnering and leveraging. I also want to thank Ray for your leadership as well in bringing it together with SCAG leadership to come up with programs like this. As we move forward and we look at cities, our resources are becoming scarce. We have issues with sales tax and property tax, our pensions, our infrastructure, legacy costs. The opportunities that we can move towards leveraging partnerships and then going and getting those resources are becoming very valuable to cities because we don't have any other ways to fund projects like this. I just really want to thank SCAG and the MSRC for coming together and helping us so that we are able to provide funds where they are needed so we all benefit and reduce some of the barriers that we have as it pertains to air quality. I think it's a wonderful program. I am excited that we are moving in this direction.

ON MOTION BY MSRC MEMBER MICHELE MARTINEZ AND
SECONDED BY MSRC VICE CHAIR LARRY MCCALLON, THE MSRC
UNANIMOUSLY VOTED TO APPROVE AN AWARD TO SOUTHERN
CALIFORNIA ASSOCIATION OF GOVERNMENTS FOR \$2.0M.
AYES: CARTER, MARTINEZ, MCCALLON, ROYBAL SALTARELLI,
WINTERBOTTOM.
NOES: NONE.

ACTION: This item will be considered by the SCAQMD Board at its meeting on December 1, 2017.

Agenda Item #9 – Consider Invitation to Negotiate for CTC Partnership Program

Ray Gorski, MSRC Technical Advisor, presented this item. This is a follow-on to two other programs which the MSRC had implemented over the past several years. A few years ago, the MSRC had a partnership program with the County Transportation Commissions (CTCs). It was a partnership program that specifically looked at improving traffic flow through signal coordination and signal synchronization. The program was designed such that each of the CTCs had the ability to put together a list of projects which they felt were most in need of funding, present it to the MSRC and get approval on whether or not they met the needs of this Committee. The second program was a transportation control measure program with the CTCs that was

structured in the same method. Each CTC within their region has their own needs and their own objectives. We allowed the County Transportation Commissions to come in and say, within the overall contexts of traffic demand management (TDM) and transportation control measures (TCMs), which projects and which jurisdictions they felt would yield the most air quality benefits and be of most benefit to their county. They brought in their projects and the MSRC reviewed and approved them. This current proposed solicitation is requesting a total of \$8M with a funding allocation of \$2M to each of the four CTCs. This will be structured in a very similar way to the prior two programs. Each CTC would put together a proposal in which they would show specifically where they would allocate the funding awarded and the MSRC would review the projects and decide if the needs of the Committee were met. The only thing that has changed is instead of having one or two categories, this has been made much broader. Eligible project categories include capital improvement projects, which includes infrastructure development; capital purchase projects, which is limited to zero and near zero buses; traffic signal coordination and Transportation Control measure programs.

MSRC Vice-Chair Larry McCallon questioned would the CTCs reach out to transit districts and cities? Mr. Gorski replied absolutely, historically each CTC has taken a different approach. Some CTC's will choose to have a competition and others will have already identified specific areas which are currently experiencing a funding shortfall. Mr. McCallon questioned will the MSRC have any oversight or approval of projects? Mr. Gorski replied all projects have to be approved by this Committee prior to being awarded the funding.

MSRC Member Greg Winterbottom stated you deserve an additional a person for the work that you have been doing. The last three projects are not low-hanging fruit. We've been talking about how good we've done in the past but it's all the low-hanging fruit, now that that's all gone, we are moving up the tree and I think these are three great projects that are hopefully going to help us remove some VMT. Good job staff.

ON MOTION BY MSRC MEMBER MICHELE MARTINEZ AND
SECONDED BY MSRC MEMBER GREG WINTERBOTTOM, THE MSRC
UNANIMOUSLY VOTED TO APPROVE A PARTNERSHIP PROGRAM
WITH THE COUNTY TRANSPORTATION COMMISSIONS FOR \$8M.
AYES: MARTINEZ, PETTIS, ROYBAL SALTARELLI, VERES, WINTERBOTTOM.
NOES: NONE.

ACTION: This item will be considered by the SCAQMD Board at its meeting on December 1, 2017.

OTHER BUSINESS

- Michele Martinez commented SB1000 is coming into effect January 2018, as we talked about having to do an environmental justice element and reducing impacts. Of course, air quality is going to be a major one for cities. As we move forward can we include this new law because each City will have to map out where their disadvantaged communities are and what does that mean and what are the health risk and impacts. It would be perfect for us. Especially those cities that are already in the process of doing their general plan and for those that are going to update. This is an opportunity for us to help. Mr. Ray Gorski replied often times when we are working with these partnership programs, economically

and historically disadvantaged communities do come into play. I think all of us are pretty experienced using CalEnvironScreen 3.0 because it's required to have an understanding of what these challenge areas are. We are absolutely anticipating that it would be. Matt Miyasato, DEO/Science & Technology Advancement added to address the disadvantaged communities, there are tons of work going on with ARB and ourselves, the big air districts to implement AB 617 and all the associated other legislations. There's going to be a massive effort for the foreseeable future. We are working very hard and it is a priority. Ms. Martinez added a lot of cities and even communities are not aware and they do not understand what environmental justice or disadvantaged communities means, now we have to include the civic engagement component. A lot of people are not sure what to do. As we go out into the community, we just want to make sure, if there are opportunities that we are able to leverage whatever we possibly can to move our agenda forward. MSRC Vice-Chair Larry McCallon commented the SCAQMD has a very extensive environmental justice outreach program. Mr. Miyasato added we have a big environmental justice conference coming December 2nd with keynote speaker Councilmember Herb Wesson.

- Ray Gorski commented that the two-year work program has been fully obligated. All of the funding with the exception of \$340,000 has been allocated. This is above and beyond the \$500,000 prudent reserve. Is it the wish of this committee to have the money rolled forward as part of the discretionary fund for future work program or is there a specific item that staff could investigate that would fall within a \$300,000 targeted value? MSRC Member Michele Martinez questioned if the TAC has looked at it. Mr. Gorski replied the TAC has made some requests. Ms. Martinez stated if there is a worthwhile project please bring it forward but if not the funding should be rolled over.

PUBLIC COMMENT PERIOD

Public comments were allowed during the discussion of each agenda item. No comments were made on non-agenda items.

ADJOURNMENT

There being no further business, the MSRC meeting adjourned at 2:37 p.m.

NEXT MEETING

Thursday, December 21, 2017 at 2:00 p.m., Room CC8.



MSRC Agenda Item No. 3

DATE: January 18, 2018

FROM: Cynthia Ravenstein

SUBJECT: AB 2766 Contracts Administrator's Report

SYNOPSIS: This report covers key issues addressed by MSRC staff, status of open contracts, and administrative scope changes from October 26, 2017 to January 3, 2018.

RECOMMENDATION: Receive and file report

WORK PROGRAM IMPACT: None

Contract Execution Status

2016-18 Work Program

On July 8, 2016, the SCAQMD Governing Board approved an award under the Event Center Transportation Program. This contract is executed.

On October 7, 2016, the SCAQMD Governing Board approved three awards under the Event Center Transportation Program and one award for a Regional Active Transportation Partnership Program. These contracts are with the prospective contractor for signature or executed.

On January 6, 2017, the SCAQMD Governing Board approved an award for development, hosting and maintenance of a new MSRC website. This contract is executed.

On April 7, 2017, the SCAQMD Governing Board approved an award under the Event Center Transportation Program. This contract is executed.

On June 2, 2017, the SCAQMD Governing Board approved an award under the Event Center Transportation Program. This contract is with the prospective contractor for signature.

On July 7, 2017, the SCAQMD Governing Board approved an award under the Event Center Transportation Program. This contract is executed.

On September 1, 2017, the SCAQMD Governing Board approved one award under the Event Center Transportation Program and one award under the Natural Gas Infrastructure Program. These contracts are with the prospective contractor for signature.

On October 6, 2017, the SCAQMD Governing Board approved two awards under the Event Center Transportation Program and one award under the Natural Gas Infrastructure Program. These contracts are under development or undergoing internal review.

On December 1, 2017, the SCAQMD Governing Board approved sole source awards for a Hydrogen Infrastructure Partnership Program, for a Southern California Future Communities Partnership Program, and for electric vehicle charging infrastructure planning analysis. They also approved an option to extend the contract with the Better World Group for MSRC programmatic outreach services. These contracts are under development or undergoing internal review. The SCAQMD Governing Board also approved an Invitation to Negotiate for a CTC Partnership Program.

2014-16 Work Program

On December 5, 2014, the SCAQMD Governing Board approved an award under the AB118 Enhanced Fleet Maintenance Program. This contract is executed.

On June 5, 2015, the SCAQMD Governing Board approved two awards under the Event Center Transportation Program and one award to provide low-emission transportation services to the Special Olympics World Games. These contracts are executed.

On September 4, 2015, the SCAQMD Governing Board approved 25 awards under the Local Government Match Program and one award under the Transportation Control Measure Partnership Program. These contracts are executed.

On October 2, 2015, the SCAQMD Governing Board approved 11 awards under the Local Government Match Program and one award under the Alternative Fuel Infrastructure Program. These contracts are executed.

On November 6, 2015, the SCAQMD Governing Board approved 37 awards under the Local Government Match Program. These contracts are with the prospective contractor for signature or executed.

On December 4, 2015, the SCAQMD Governing Board approved one award under the Major Event Center Transportation Program, one award under the Alternative Fuel Infrastructure Program, and one award under the Transportation Control Measure Partnership Program. These contracts are executed.

On January 8, 2016, the SCAQMD Governing Board approved two awards under the Major Event Center Transportation Program, one award under the Local Government Match Program, and one award under the Transportation Control Measure Partnership Program. These contracts are executed.

On March 4, 2016, the SCAQMD Governing Board approved two awards under the Alternative Fuel Infrastructure Program. These contracts are executed.

On April 1, 2016, the SCAQMD Governing Board approved one award under the Major Event Center Transportation Program and five awards under the Transportation Control Measure Partnership Program. These contracts are executed.

On May 6, 2016, the SCAQMD Governing Board approved one award under the Major Event Center Transportation Program and one award under the Transportation Control Measure Partnership Program. These contracts are executed.

On June 3, 2016, the SCAQMD Governing Board approved one award under the Alternative Fuel Infrastructure Program. This contract is executed.

On October 7, 2016, the SCAQMD Governing Board approved ten awards under the Alternative Fuel Infrastructure Program and five awards under the Near-Zero Natural Gas Engine Incentives Program. These contracts are under development, with the prospective contractor for signature, or executed.

On January 6, 2017, the SCAQMD Governing Board approved an award under the Alternative Fuel Infrastructure Program and an award under the Near-Zero Natural Gas Engine Incentives Program. These contracts are executed.

Work Program Status

Contract Status Reports for work program years with open (including “Open/Complete”) and/or pending contracts are attached.

FY 2004-05 Work Program Contracts

One contract from this work program year is open.

FY 2004-05 Invoices Paid

No invoices were paid during this period.

FY 2006-07 Work Program Contracts

No contracts from this work program year are open; and one is in “Open/Complete” status.

FY 2006-07 Invoices Paid

No invoices were paid during this period.

FY 2007-08 Work Program Contracts

4 contracts from this work program year are open; and 4 are in “Open/Complete” status.

FY 2007-08 Invoices Paid

No invoices were paid during this period.

FY 2008-09 Work Program Contracts

2 contracts from this work program year are open; and 5 are in “Open/Complete” status. Three contracts closed during this period: City of Los Angeles, Dept of Public Works, Contract #ML09023 – Purchase 2 Heavy-Duty Natural Gas Vehicles; City of Los Angeles, Dept of General Svcs, Contract #ML09031 – Purchase 33 Heavy-Duty Natural Gas Vehicles; City of Los Angeles, DWP, Contract #ML09042 – Purchase 56 Heavy-Duty Natural Gas Vehicles.

FY 2008-09 Invoices Paid

No invoices were paid during this period.

FY 2010-11 Work Program Contracts

7 contracts from this work program year are open; and 36 are in “Open/Complete” status.

FY 2010-11 Invoices Paid

1 invoice totaling \$9,749.50 was paid during this period.

FY 2011-12 Work Program Contracts

15 contracts from this work program year are open, and 33 are in “Open/Complete” status.

FY 2011-12 Invoices Paid

1 invoice totaling \$30,000 was paid during this period.

FYs 2012-14 Work Program Contracts

39 contracts from this work program year are open, and 23 are in “Open/Complete” status. One contract moved into “Open/Complete” status during this period: City of Fullerton, Contract #ML14028 – Expansion of existing CNG infrastructure.

FYs 2012-14 Invoices Paid

No invoices were paid during this period.

FYs 2014-16 Work Program Contracts

81 contracts from this work program year are open, and 13 are in “Open/Complete” status.

FYs 2014-16 Invoices Paid

8 invoices totaling \$627,564.90 were paid during this period.

FYs 2016-18 Work Program Contracts

5 contracts from this work program year are open.

FYs 2016-18 Invoices Paid

No invoices were paid during this period.

Administrative Scope Changes

4 administrative scope changes were initiated during the period of October 26, 2017 through January 3, 2018:

- City of Pomona, Contract #ML16008 (Purchase Four Medium-Duty and Nine Heavy-Duty Natural Gas Vehicles) – Reduced scope to the purchase of three medium-duty and one heavy-duty vehicles, reduced value from \$310,000 to \$60,000, plus twelve-month term extension
- American Honda Motor Co., Inc., Contract #MS14078 (Install Public Access CNG Station) – citing insurmountable obstacles to public access, Honda requested to return the funds.
- City of Ontario, Contract #ML16056 (Expand CNG Station) – One-year no-cost term extension
- City of Highland, Contract #ML14055 (Bicycle Lanes & Outreach) – One-year no-cost term extension

Attachments

- FY 2004-05 through FYs 2016-18 (except FY 2005-06 and FY 2009-10) Contract Status Reports



AB2766 Discretionary Fund Program Invoices

October 26, 2017 to January 3, 2018

Contract Admin.	MSRC Chair	MSRC Liaison	Finance	Contract #	Contractor	Invoice #	Amount
<i>2010-2011 Work Program</i>							
11/8/2017	11/17/2017	11/28/2017	11/28/2017	ML11020	City of Indio	FINAL	\$9,749.50
Total: \$9,749.50							
<i>2011-2012 Work Program</i>							
10/31/2017	11/17/2017	11/28/2017	11/28/2017	ML12057	City of Coachella	MD 1/19/201	\$30,000.00
Total: \$30,000.00							
<i>2014-2016 Work Program</i>							
12/28/2017	1/9/2018	1/9/2018	1/10/2018	MS16004	Mineral LLC	103197-Final	\$300.00
12/20/2017	1/9/2018	1/9/2018	1/10/2018	ML16028	City of Azusa	17-027-Final	\$25,000.00
12/8/2017	12/8/2017	12/8/2017	12/8/2017	MS16103	Arrow Services, Inc.	1	\$90,000.00
12/6/2017	12/8/2017	12/8/2017	12/8/2017	MS16086	San Bernardino County Transportation Authority	2	\$43,435.71
12/5/2017	12/8/2017	12/8/2017	12/8/2017	MS16082	Riverside County Transportation Commission	01505	\$209,537.94
11/30/2017	12/8/2017	12/8/2017	12/8/2017	MS16004	Mineral LLC	103174	\$300.00
11/7/2017	11/17/2017	11/17/2017	11/29/2017	MS16004	Mineral LLC	103168	\$300.00
11/15/2017	11/17/2017	11/28/2017	11/28/2017	ML16051	City of South Pasadena	FINAL	\$258,691.25
Total: \$627,564.90							

Total This Period: \$667,314.40

FYs 2004-05 Through 2014-16 AB2766 Contract Status Report

1/12/2018

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2004-2005 Contracts									
Open Contracts									
ML05014	Los Angeles County Department of P	5/21/2007	11/20/2008	3/20/2018	\$204,221.00	\$0.00	Traffic Signal Synchronization	\$204,221.00	No
Total: 1									
Declined/Cancelled Contracts									
ML05005	City of Highland				\$20,000.00	\$0.00	2 Medium Duty CNG Vehicles	\$20,000.00	No
ML05008	Los Angeles County Department of P				\$140,000.00	\$0.00	7 Heavy Duty LPG Street Sweepers	\$140,000.00	No
ML05010	Los Angeles County Department of P				\$20,000.00	\$0.00	1 Heavy Duty CNG Bus	\$20,000.00	No
MS05030	City of Inglewood				\$31,662.00	\$0.00	2 CNG Street Sweepers	\$31,662.00	No
MS05032	H&C Disposal				\$34,068.00	\$0.00	2 CNG Waste Haulers	\$34,068.00	No
MS05044	City of Colton				\$78,720.00	\$0.00	CNG Station Upgrade	\$78,720.00	No
Total: 6									
Closed Contracts									
ML05006	City of Colton Public Works	7/27/2005	7/26/2006		\$30,000.00	\$30,000.00	3 Medium Duty CNG Vehicles	\$0.00	Yes
ML05011	Los Angeles County Department of P	8/10/2006	12/9/2007	6/9/2008	\$52,409.00	\$51,048.46	3 Heavy Duty LPG Shuttle Vans	\$1,360.54	Yes
ML05013	Los Angeles County Department of P	1/5/2007	7/4/2008	1/4/2013	\$313,000.00	\$313,000.00	Traffic Signal Synchronization	\$0.00	Yes
ML05015	City of Lawndale	7/27/2005	7/26/2006		\$10,000.00	\$10,000.00	1 Medium Duty CNG Vehicle	\$0.00	Yes
ML05016	City of Santa Monica	9/23/2005	9/22/2006	9/22/2007	\$350,000.00	\$350,000.00	6 MD CNG Vehicles, 1 LPG Sweep, 13 CNG	\$0.00	Yes
ML05017	City of Signal Hill	1/16/2006	7/15/2007		\$126,000.00	\$126,000.00	Traffic Signal Synchronization	\$0.00	Yes
ML05018	City of San Bernardino	4/19/2005	4/18/2006		\$40,000.00	\$40,000.00	4 M.D. CNG Vehicles	\$0.00	Yes
ML05019	City of Lakewood	5/6/2005	5/5/2006		\$10,000.00	\$10,000.00	1 M.D. CNG Vehicle	\$0.00	Yes
ML05020	City of Pomona	6/24/2005	6/23/2006		\$10,000.00	\$10,000.00	1 M.D. CNG Vehicle	\$0.00	Yes
ML05021	City of Whittier	7/7/2005	7/6/2006	4/6/2008	\$100,000.00	\$80,000.00	Sweeper, Aerial Truck, & 3 Refuse Trucks	\$20,000.00	Yes
ML05022	City of Claremont	9/23/2005	9/22/2006		\$20,000.00	\$20,000.00	2 M.D. CNG Vehicles	\$0.00	Yes
ML05024	City of Cerritos	4/18/2005	3/17/2006		\$10,000.00	\$10,000.00	1 M.D. CNG Vehicle	\$0.00	Yes
ML05025	City of Malibu	5/6/2005	3/5/2006		\$10,000.00	\$10,000.00	1 Medium-Duty CNG Vehicle	\$0.00	Yes
ML05026	City of Inglewood	1/6/2006	1/5/2007	2/5/2009	\$60,000.00	\$60,000.00	2 CNG Transit Buses, 1 CNG Pothole Patch	\$0.00	Yes
ML05027	City of Beaumont	2/23/2006	4/22/2007	6/22/2010	\$20,000.00	\$20,000.00	1 H.D. CNG Bus	\$0.00	Yes
ML05028	City of Anaheim	9/8/2006	9/7/2007	5/7/2008	\$85,331.00	\$85,331.00	Traffic signal coordination & synchronization	\$0.00	Yes
ML05029	Los Angeles World Airports	5/5/2006	9/4/2007		\$140,000.00	\$140,000.00	Seven CNG Buses	\$0.00	Yes
ML05071	City of La Canada Flintridge	1/30/2009	1/29/2011		\$20,000.00	\$20,000.00	1 CNG Bus	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML05072	Los Angeles County Department of P	8/24/2009	5/23/2010	1/23/2011	\$349,000.00	\$349,000.00	Traffic Signal Synchronization (LADOT)	\$0.00	Yes
MS05001	A-Z Bus Sales, Inc.	2/4/2005	12/31/2005	12/31/2006	\$1,385,000.00	\$1,385,000.00	CNG School Bus Buydown	\$0.00	Yes
MS05002	California Bus Sales	2/4/2005	12/31/2005	12/31/2006	\$1,800,000.00	\$1,800,000.00	CNG School Bus Buydown	\$0.00	Yes
MS05003	BusWest	1/28/2005	12/31/2005	12/31/2006	\$2,100,000.00	\$1,620,000.00	CNG School Bus Buydown	\$480,000.00	Yes
MS05004	Johnson/Ukropina Creative Marketin	11/27/2004	1/18/2006	4/18/2006	\$1,000,000.00	\$994,612.56	Implement "Rideshare Thursday" Campaign	\$5,387.44	Yes
MS05031	City of Ontario, Housing & Municipal	7/22/2005	3/21/2007		\$191,268.00	\$191,268.00	11 CNG Waste Haulers	\$0.00	Yes
MS05033	Waste Management of the Desert	9/26/2005	5/25/2007		\$202,900.00	\$202,900.00	10 CNG Waste Haulers	\$0.00	Yes
MS05034	Sukut Equipment, Inc.	9/9/2005	5/8/2007		\$1,151,136.00	\$1,151,136.00	Repower 12 Scrapers	\$0.00	Yes
MS05035	Varner Construction Inc.	11/28/2005	4/27/2007	2/27/2008	\$334,624.00	\$334,624.00	Repower 5 Off-Road H.D. Vehicles	\$0.00	Yes
MS05036	Camarillo Engineering	8/18/2005	1/17/2007		\$1,167,276.00	\$1,167,276.00	Repower 12 Scrapers	\$0.00	Yes
MS05037	Road Builders, Inc.	11/21/2005	4/20/2007	6/20/2008	\$229,302.00	\$229,302.00	Repower 2 Scrapers	\$0.00	Yes
MS05038	SunLine Transit Agency	3/30/2006	9/29/2007		\$135,000.00	\$135,000.00	15 CNG Buses	\$0.00	Yes
MS05039	Los Angeles County MTA	4/28/2006	4/27/2008		\$405,000.00	\$405,000.00	75 CNG Buses	\$0.00	Yes
MS05040	Orange County Transportation Autho	3/23/2006	12/22/2007	6/22/2008	\$200,000.00	\$200,000.00	25 CNG Buses	\$0.00	Yes
MS05041	The Regents of the University of Cali	9/5/2006	8/4/2007	9/4/2008	\$15,921.00	\$15,921.00	CNG Station Upgrade	\$0.00	Yes
MS05042	City of Ontario, Housing & Municipal	11/21/2005	9/20/2006	7/20/2007	\$117,832.00	\$74,531.27	CNG Station Upgrade	\$43,300.73	Yes
MS05043	Whittier Union High School District	9/23/2005	7/22/2006		\$15,921.00	\$15,921.00	CNG Station Upgrade	\$0.00	Yes
MS05045	City of Covina	9/9/2005	7/8/2006		\$10,000.00	\$7,435.61	CNG Station Upgrade	\$2,564.39	Yes
MS05046	City of Inglewood	1/6/2006	5/5/2007		\$139,150.00	\$56,150.27	CNG Station Upgrade	\$82,999.73	Yes
MS05047	Orange County Transportation Autho	10/20/2005	10/19/2006	1/19/2007	\$75,563.00	\$75,563.00	CNG Station Upgrade	\$0.00	Yes
MS05048	City of Santa Monica	7/24/2006	11/23/2007		\$150,000.00	\$150,000.00	CNG Station Upgrade	\$0.00	Yes
MS05049	Omnitrans	9/23/2005	2/22/2007		\$25,000.00	\$7,250.00	CNG Station Upgrade	\$17,750.00	Yes
MS05050	Gateway Cities Council of Governme	12/21/2005	4/20/2010		\$1,464,839.00	\$1,464,838.12	Truck Fleet Modernization Program	\$0.88	Yes
MS05051	Jagur Tractor	1/16/2006	4/15/2007	10/15/2007	\$660,928.00	\$660,928.00	Repower 6 Scrapers	\$0.00	Yes
MS05052	Caufield Equipment, Inc.	8/3/2005	1/2/2007		\$478,000.00	\$478,000.00	Repower 4 Scrapers	\$0.00	Yes
MS05070	Haaland Internet Productions (HIP D	6/24/2005	5/31/2007	11/30/2011	\$100,715.00	\$92,458.24	Design, Host & Maintain MSRC Website	\$8,256.76	Yes

Total: 44

Closed/Incomplete Contracts

ML05007	Los Angeles County Dept of Beache	6/23/2006	6/22/2007	12/22/2007	\$50,000.00	\$0.00	5 Medium Duty CNG Vehicles	\$50,000.00	No
ML05009	Los Angeles County Department of P	6/22/2006	12/21/2007	9/30/2011	\$56,666.00	\$0.00	2 Propane Refueling Stations	\$56,666.00	No
ML05012	Los Angeles County Department of P	11/10/2006	5/9/2008	1/9/2009	\$349,000.00	\$0.00	Traffic Signal Synchronization (LADOT)	\$349,000.00	No
ML05023	City of La Canada Flintridge	3/30/2005	2/28/2006	8/28/2008	\$20,000.00	\$0.00	1 CNG Bus	\$20,000.00	No

Total: 4

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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FY 2006-2007 Contracts

Declined/Cancelled Contracts

ML07031	City of Santa Monica				\$180,000.00	\$0.00	Upgrade N.G. Station to Add Hythane	\$180,000.00	No
ML07032	City of Huntington Beach Public Wor				\$25,000.00	\$0.00	One H.D. CNG Vehicle	\$25,000.00	No
ML07035	City of Los Angeles, General Service				\$350,000.00	\$0.00	New CNG Refueling Station/Southeast Yard	\$350,000.00	No
ML07038	City of Palos Verdes Estates				\$25,000.00	\$0.00	One H.D. LPG Vehicle	\$25,000.00	No
MS07010	Palos Verdes Peninsula Transit Auth				\$80,000.00	\$0.00	Repower 4 Transit Buses	\$80,000.00	No
MS07014	Clean Energy Fuels Corp.				\$350,000.00	\$0.00	New L/CNG Station - SERRF	\$350,000.00	No
MS07015	Baldwin Park Unified School District				\$57,500.00	\$0.00	New CNG Station	\$57,500.00	No
MS07016	County of Riverside Fleet Services D				\$36,359.00	\$0.00	New CNG Station - Rubidoux	\$36,359.00	No
MS07017	County of Riverside Fleet Services D				\$33,829.00	\$0.00	New CNG Station - Indio	\$33,829.00	No
MS07018	City of Cathedral City				\$350,000.00	\$0.00	New CNG Station	\$350,000.00	No
MS07021	City of Riverside				\$350,000.00	\$0.00	New CNG Station	\$350,000.00	No
MS07050	Southern California Disposal Co.				\$320,000.00	\$0.00	Ten Nat. Gas Refuse Trucks	\$320,000.00	No
MS07062	Caltrans Division of Equipment				\$1,081,818.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$1,081,818.00	No
MS07065	ECCO Equipment Corp.				\$174,525.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$174,525.00	No
MS07067	Recycled Materials Company of Calif				\$99,900.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$99,900.00	No
MS07069	City of Burbank	5/9/2008	3/8/2010	9/8/2011	\$8,895.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$8,895.00	No
MS07074	Albert W. Davies, Inc.	1/25/2008	11/24/2009		\$39,200.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$39,200.00	No
MS07081	Clean Diesel Technologies, Inc.				\$240,347.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$240,347.00	No
MS07082	DCL International, Inc.				\$153,010.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$153,010.00	No
MS07083	Dinex Exhausts, Inc.				\$52,381.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$52,381.00	No
MS07084	Donaldson Company, Inc.				\$42,416.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$42,416.00	No
MS07085	Engine Control Systems Limited				\$155,746.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$155,746.00	No
MS07086	Huss, LLC				\$84,871.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$84,871.00	No
MS07087	Mann+Hummel GmbH				\$189,361.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$189,361.00	No
MS07088	Nett Technologies, Inc.				\$118,760.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$118,760.00	No
MS07089	Rypos, Inc.				\$68,055.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$68,055.00	No
MS07090	Sud-Chemie				\$27,345.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$27,345.00	No

Total: 27

Closed Contracts

ML07023	City of Riverside	6/20/2008	10/19/2014	7/19/2016	\$462,500.00	\$461,476.42	CNG Station Expansion/Purch. 14 H.D. Vehi	\$1,023.58	Yes
ML07024	City of Garden Grove	3/7/2008	9/6/2014	7/6/2016	\$75,000.00	\$75,000.00	Three H.D. CNG Vehicles	\$0.00	Yes
ML07025	City of San Bernardino	8/12/2008	7/11/2010		\$350,000.00	\$350,000.00	Maintenance Facility Modifications	\$0.00	Yes
ML07026	City of South Pasadena	6/13/2008	6/12/2014		\$25,000.00	\$25,000.00	One H.D. CNG Vehicle	\$0.00	Yes
ML07027	Los Angeles World Airports	6/3/2008	7/2/2014		\$25,000.00	\$25,000.00	One H.D. LNG Vehicle	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML07028	City of Los Angeles, General Service	3/13/2009	3/12/2014		\$350,000.00	\$350,000.00	New CNG Refueling Station/Hollywood Yard	\$0.00	Yes
ML07029	City of Los Angeles, General Service	3/13/2009	3/12/2014		\$350,000.00	\$350,000.00	New CNG Refueling Station/Venice Yard	\$0.00	Yes
ML07030	County of San Bernardino Public Wo	7/11/2008	9/10/2015		\$200,000.00	\$200,000.00	8 Natural Gas H.D. Vehicles	\$0.00	Yes
ML07033	City of La Habra	5/21/2008	6/20/2014	11/30/2013	\$25,000.00	\$25,000.00	One H.D. Nat Gas Vehicle	\$0.00	Yes
ML07034	City of Los Angeles, General Service	3/13/2009	3/12/2014		\$350,000.00	\$350,000.00	New CNG Refueling Station/Van Nuys Yard	\$0.00	Yes
ML07036	City of Alhambra	1/23/2009	2/22/2015		\$50,000.00	\$50,000.00	2 H.D. CNG Vehicles	\$0.00	Yes
ML07037	City of Los Angeles, General Service	10/8/2008	10/7/2015		\$255,222.00	\$255,222.00	Upgrade LNG/LCNG Station/East Valley Yar	\$0.00	Yes
ML07039	City of Baldwin Park	6/6/2008	6/5/2014	8/5/2015	\$50,000.00	\$50,000.00	Two N.G. H.D. Vehicles	\$0.00	Yes
ML07040	City of Moreno Valley	6/3/2008	9/2/2014		\$25,000.00	\$25,000.00	One Heavy-Duty CNG Vehicle	\$0.00	Yes
ML07041	City of La Quinta	6/6/2008	6/5/2014		\$25,000.00	\$25,000.00	One CNG Street Sweeper	\$0.00	Yes
ML07042	City of La Quinta	8/15/2008	9/14/2010		\$100,000.00	\$100,000.00	Street Sweeping Operations	\$0.00	Yes
ML07043	City of Redondo Beach	9/28/2008	7/27/2014	10/27/2016	\$125,000.00	\$125,000.00	Five H.D. CNG Transit Vehicles	\$0.00	Yes
ML07044	City of Santa Monica	9/8/2008	3/7/2015	3/7/2017	\$600,000.00	\$600,000.00	24 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML07046	City of Culver City Transportation De	5/2/2008	5/1/2014		\$25,000.00	\$25,000.00	One H.D. Nat. Gas Vehicle	\$0.00	Yes
ML07047	City of Cathedral City	6/16/2008	9/15/2014	3/15/2015	\$225,000.00	\$225,000.00	Two H.D. Nat. Gas Vehicles/New CNG Fueli	\$0.00	Yes
ML07048	City of Cathedral City	9/19/2008	10/18/2010		\$100,000.00	\$84,972.45	Street Sweeping Operations	\$15,027.55	Yes
MS07001	A-Z Bus Sales, Inc.	12/28/2006	12/31/2007	2/29/2008	\$1,920,000.00	\$1,380,000.00	CNG School Bus Buydown	\$540,000.00	Yes
MS07002	BusWest	1/19/2007	12/31/2007	3/31/2008	\$840,000.00	\$840,000.00	CNG School Bus Buydown	\$0.00	Yes
MS07003	Westport Fuel Systems, Inc.	11/2/2007	12/31/2011	6/30/2013	\$1,500,000.00	\$1,499,990.00	Advanced Nat. Gas Engine Incentive Progra	\$10.00	Yes
MS07005	S-W Compressors	3/17/2008	3/16/2010		\$60,000.00	\$7,500.00	Mountain CNG School Bus Demo Program-	\$52,500.00	Yes
MS07006	Coachella Valley Association of Gov	2/28/2008	10/27/2008		\$400,000.00	\$400,000.00	Coachella Valley PM10 Reduction Street Sw	\$0.00	Yes
MS07007	Los Angeles World Airports	5/2/2008	11/1/2014		\$420,000.00	\$420,000.00	Purchase CNG 21 Transit Buses	\$0.00	Yes
MS07008	City of Los Angeles, Department of T	9/18/2009	5/17/2020	9/17/2017	\$1,900,000.00	\$1,900,000.00	Purchase 95 Transit Buses	\$0.00	Yes
MS07009	Orange County Transportation Autho	5/14/2008	4/13/2016		\$800,000.00	\$800,000.00	Purchase 40 Transit Buses	\$0.00	Yes
MS07011	L A Service Authority for Freeway E	3/12/2010	5/31/2011	9/30/2011	\$700,000.00	\$700,000.00	"511" Commuter Services Campaign	\$0.00	Yes
MS07012	City of Los Angeles, General Service	6/13/2008	6/12/2009	6/12/2010	\$50,000.00	\$50,000.00	Maintenance Facility Modifications	\$0.00	Yes
MS07013	Rainbow Disposal Company, Inc.	1/25/2008	3/24/2014	9/24/2014	\$350,000.00	\$350,000.00	New High-Volume CNG Station	\$0.00	Yes
MS07019	City of Cathedral City	1/9/2009	6/8/2010		\$32,500.00	\$32,500.00	Maintenance Facility Modifications	\$0.00	Yes
MS07020	Avery Petroleum	5/20/2009	7/19/2015		\$250,000.00	\$250,000.00	New CNG Station	\$0.00	Yes
MS07049	Palm Springs Disposal Services	10/23/2008	11/22/2014	9/22/2016	\$96,000.00	\$96,000.00	Three Nat. Gas Refuse Trucks	\$0.00	Yes
MS07051	City of San Bernardino	8/12/2008	12/11/2014		\$480,000.00	\$480,000.00	15 Nat. Gas Refuse Trucks	\$0.00	Yes
MS07052	City of Redlands	7/30/2008	11/29/2014		\$160,000.00	\$160,000.00	Five Nat. Gas Refuse Trucks	\$0.00	Yes
MS07053	City of Claremont	7/31/2008	12/30/2014		\$96,000.00	\$96,000.00	Three Nat. Gas Refuse Trucks	\$0.00	Yes
MS07054	Republic Services, Inc.	3/7/2008	9/6/2014	9/6/2016	\$1,280,000.00	\$1,280,000.00	40 Nat. Gas Refuse Trucks	\$0.00	Yes
MS07055	City of Culver City Transportation De	7/8/2008	9/7/2014		\$192,000.00	\$192,000.00	Six Nat. Gas Refuse Trucks	\$0.00	Yes
MS07056	City of Whittier	9/5/2008	3/4/2015		\$32,000.00	\$32,000.00	One Nat. Gas Refuse Trucks	\$0.00	Yes
MS07057	CR&R, Inc.	7/31/2008	8/30/2014	6/30/2015	\$896,000.00	\$896,000.00	28 Nat. Gas Refuse Trucks	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2007-2008 Contracts									
Open Contracts									
ML08028	City of Santa Monica	9/11/2009	9/10/2016	5/10/2019	\$600,000.00	\$0.00	24 CNG Heavy-Duty Vehicles	\$600,000.00	No
MS08007	United Parcel Service West Region	12/10/2008	10/9/2014	4/9/2019	\$300,000.00	\$270,000.00	10 H.D. Nat. Gas Vehicles	\$30,000.00	Yes
MS08013	United Parcel Service West Region	12/10/2008	10/9/2014	3/9/2019	\$480,000.00	\$432,000.00	12 H.D. Nat. Gas Yard Tractors	\$48,000.00	No
MS08068	Regents of the University of Californi	11/5/2010	11/4/2017	11/4/2019	\$400,000.00	\$0.00	Hydrogen Station	\$400,000.00	No
Total: 4									
Declined/Cancelled Contracts									
ML08032	City of Irvine	5/1/2009	8/31/2010		\$9,000.00	\$0.00	36 Vehicles (Diagnostic)	\$9,000.00	No
ML08041	City of Los Angeles, Dept of Transpo	8/6/2010	7/5/2011	12/5/2011	\$8,800.00	\$0.00	73 Vehicles (Diagnostic)	\$8,800.00	No
ML08049	City of Cerritos	3/20/2009	1/19/2015	2/19/2017	\$25,000.00	\$0.00	1 CNG Heavy-Duty Vehicle	\$25,000.00	No
ML08051	City of Colton				\$75,000.00	\$0.00	3 CNG Heavy-Duty Vehicles	\$75,000.00	No
ML08080	City of Irvine	5/1/2009	5/31/2015		\$50,000.00	\$0.00	Two Heavy-Duty Nat. Gas Vehicles	\$50,000.00	No
MS08002	Orange County Transportation Autho				\$1,500,000.00	\$0.00	Big Rig Freeway Service Patrol	\$1,500,000.00	No
MS08008	Diversified Truck Rental & Leasing				\$300,000.00	\$0.00	10 H.D. Nat. Gas Vehicles	\$300,000.00	No
MS08010	Orange County Transportation Autho				\$10,000.00	\$0.00	20 H.D. Nat. Gas Vehicles	\$10,000.00	No
MS08011	Green Fleet Systems, LLC				\$10,000.00	\$0.00	30 H.D. Nat. Gas Vehicles	\$10,000.00	No
MS08052	Burrtec Waste Industries, Inc.	12/24/2008	11/23/2014	11/23/2015	\$100,000.00	\$0.00	New CNG Station - Fontana	\$100,000.00	No
MS08054	Clean Energy Fuels Corp.				\$400,000.00	\$0.00	New LNG Station - Fontana	\$400,000.00	No
MS08055	Clean Energy Fuels Corp.	11/26/2009	3/25/2016	3/25/2017	\$400,000.00	\$0.00	New LNG Station - Long Beach-Pier S	\$400,000.00	No
MS08059	Burrtec Waste Industries, Inc.	12/24/2008	11/23/2014		\$100,000.00	\$0.00	New CNG Station - San Bernardino	\$100,000.00	No
MS08060	Burrtec Waste Industries, Inc.	12/24/2008	11/23/2014		\$100,000.00	\$0.00	New CNG Station - Azusa	\$100,000.00	No
MS08062	Go Natural Gas	9/25/2009	1/24/2016	1/24/2017	\$400,000.00	\$0.00	New CNG Station - Rialto	\$400,000.00	No
MS08074	Fontana Unified School District	11/14/2008	12/13/2014		\$200,000.00	\$0.00	Expansion of Existing CNG station	\$200,000.00	No
MS08077	Hythane Company, LLC				\$144,000.00	\$0.00	Upgrade Station to Hythane	\$144,000.00	No
Total: 17									
Closed Contracts									
ML08023	City of Villa Park	11/7/2008	10/6/2012		\$6,500.00	\$5,102.50	Upgrade of Existing Refueling Facility	\$1,397.50	Yes
ML08024	City of Anaheim	7/9/2010	7/8/2017	1/8/2018	\$425,000.00	\$425,000.00	9 LPG Buses and 8 CNG Buses	\$0.00	Yes
ML08026	Los Angeles County Department of P	7/20/2009	7/19/2016		\$250,000.00	\$250,000.00	10 LPG Heavy-Duty Vehicles	\$0.00	Yes
ML08027	Los Angeles County Department of P	7/20/2009	1/19/2011	1/19/2012	\$6,901.00	\$5,124.00	34 Vehicles (Diagnostic)	\$1,777.00	Yes
ML08029	City of Gardena	3/19/2009	1/18/2015		\$25,000.00	\$25,000.00	1 Propane Heavy-Duty Vehicle	\$0.00	Yes
ML08030	City of Azusa	5/14/2010	3/13/2016		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	No
ML08031	City of Claremont	3/27/2009	3/26/2013	3/26/2015	\$97,500.00	\$97,500.00	Upgrade of Existing CNG Station, Purchase	\$0.00	Yes
ML08033	County of San Bernardino Public Wo	4/3/2009	2/2/2010		\$14,875.00	\$14,875.00	70 Vehicles (Diagnostic)	\$0.00	Yes
ML08034	County of San Bernardino Public Wo	3/27/2009	7/26/2015		\$150,000.00	\$150,000.00	8 CNG Heavy-Duty Vehicles	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML08035	City of La Verne	3/6/2009	11/5/2009		\$11,925.00	\$11,925.00	53 Vehicles (Diagnostic)	\$0.00	Yes
ML08036	City of South Pasadena	5/12/2009	7/11/2013		\$169,421.00	\$169,421.00	New CNG Station	\$0.00	Yes
ML08037	City of Glendale	5/20/2009	5/19/2015		\$325,000.00	\$325,000.00	13 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08038	Los Angeles Department of Water an	7/16/2010	7/15/2017		\$1,050,000.00	\$1,050,000.00	42 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08039	City of Rancho Palos Verdes	6/5/2009	8/4/2015		\$50,000.00	\$50,000.00	2 LPG Transit Buses	\$0.00	Yes
ML08042	City of Ontario, Housing & Municipal	5/1/2009	1/31/2016		\$175,000.00	\$175,000.00	7 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08044	City of Chino	3/19/2009	3/18/2015		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
ML08045	City of Santa Clarita	2/20/2009	6/19/2010		\$3,213.00	\$3,150.00	14 Vehicles (Diagnostic)	\$63.00	Yes
ML08046	City of Paramount	2/20/2009	2/19/2015		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
ML08047	City of Culver City Transportation De	5/12/2009	8/11/2015		\$150,000.00	\$150,000.00	6 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08048	City of Santa Clarita	2/20/2009	6/19/2015		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
ML08050	City of Laguna Beach Public Works	8/12/2009	4/11/2016	10/11/2016	\$75,000.00	\$75,000.00	3 LPG Trolleys	\$0.00	Yes
MS08001	Los Angeles County MTA	12/10/2010	6/9/2014		\$1,500,000.00	\$1,499,999.66	Big Rig Freeway Service Patrol	\$0.34	Yes
MS08003	A-Z Bus Sales, Inc.	5/2/2008	12/31/2008	2/28/2009	\$1,480,000.00	\$1,400,000.00	Alternative Fuel School Bus Incentive Progra	\$80,000.00	Yes
MS08004	BusWest	5/2/2008	12/31/2008		\$1,440,000.00	\$1,440,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS08005	Burrtec Waste Industries, Inc.	10/23/2008	11/22/2014	10/22/2015	\$450,000.00	\$450,000.00	15 H.D. Nat. Gas Vehicles - Azusa	\$0.00	Yes
MS08006	Burrtec Waste Industries, Inc.	10/23/2008	11/22/2014	10/22/2015	\$450,000.00	\$450,000.00	15 H.D. Nat. Gas Vehicles - Saugus	\$0.00	Yes
MS08009	Los Angeles World Airports	12/24/2008	12/23/2014		\$870,000.00	\$870,000.00	29 H.D. Nat. Gas Vehicles	\$0.00	Yes
MS08012	California Cartage Company, LLC	12/21/2009	10/20/2015	4/20/2016	\$480,000.00	\$480,000.00	12 H.D. Nat. Gas Yard Tractors	\$0.00	Yes
MS08014	City of San Bernardino	12/5/2008	6/4/2015		\$390,000.00	\$360,000.00	13 H.D. Nat. Gas Vehicles	\$30,000.00	Yes
MS08015	Yosemite Waters	5/12/2009	5/11/2015		\$180,000.00	\$117,813.60	11 H.D. Propane Vehicles	\$62,186.40	Yes
MS08016	TransVironmental Solutions, Inc.	1/23/2009	12/31/2010	9/30/2011	\$227,198.00	\$80,351.34	Rideshare 2 School Program	\$146,846.66	Yes
MS08017	Omnitrans	12/13/2008	12/12/2015	12/12/2016	\$900,000.00	\$900,000.00	30 CNG Buses	\$0.00	Yes
MS08019	Enterprise Rent-A-Car Company of L	2/12/2010	7/11/2016		\$300,000.00	\$300,000.00	10 CNG Vehicles	\$0.00	Yes
MS08020	Ware Disposal Company, Inc.	11/25/2008	2/24/2016		\$900,000.00	\$900,000.00	30 CNG Vehicles	\$0.00	Yes
MS08021	CalMet Services, Inc.	1/9/2009	1/8/2016	7/8/2016	\$900,000.00	\$900,000.00	30 CNG Vehicles	\$0.00	Yes
MS08022	SunLine Transit Agency	12/18/2008	3/17/2015		\$311,625.00	\$311,625.00	15 CNG Buses	\$0.00	Yes
MS08053	City of Los Angeles, Bureau of Sanit	2/18/2009	12/17/2015		\$400,000.00	\$400,000.00	New LNG/CNG Station	\$0.00	Yes
MS08056	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New LNG Station - POLB-Anah. & I	\$0.00	Yes
MS08057	Orange County Transportation Autho	5/14/2009	7/13/2015		\$400,000.00	\$400,000.00	New CNG Station - Garden Grove	\$0.00	Yes
MS08058	Clean Energy Fuels Corp.	11/26/2009	3/25/2016	3/25/2017	\$400,000.00	\$400,000.00	New CNG Station - Ontario Airport	\$0.00	Yes
MS08061	Clean Energy Fuels Corp.	12/4/2009	3/3/2015		\$400,000.00	\$400,000.00	New CNG Station - L.A.-La Cienega	\$0.00	Yes
MS08063	Go Natural Gas	9/25/2009	1/24/2016	1/24/2017	\$400,000.00	\$400,000.00	New CNG Station - Moreno Valley	\$0.00	Yes
MS08064	Hemet Unified School District	1/9/2009	3/8/2015		\$75,000.00	\$75,000.00	Expansion of Existing Infrastructure	\$0.00	Yes
MS08065	Pupil Transportation Cooperative	11/20/2008	7/19/2014		\$10,500.00	\$10,500.00	Existing CNG Station Modifications	\$0.00	Yes
MS08066	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New CNG Station - Palm Spring Airport	\$0.00	Yes
MS08067	Trillium CNG	3/19/2009	6/18/2015	6/18/2016	\$311,600.00	\$254,330.00	New CNG Station	\$57,270.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS08069	Perris Union High School District	6/5/2009	8/4/2015	8/4/2016	\$225,000.00	\$225,000.00	New CNG Station	\$0.00	Yes
MS08070	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New CNG Station - Paramount	\$0.00	Yes
MS08071	ABC Unified School District	1/16/2009	1/15/2015		\$63,000.00	\$63,000.00	New CNG Station	\$0.00	Yes
MS08072	Clean Energy Fuels Corp.	12/4/2009	3/3/2015		\$400,000.00	\$354,243.38	New CNG Station - Burbank	\$45,756.62	Yes
MS08073	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New CNG Station - Norwalk	\$0.00	Yes
MS08075	Disneyland Resort	12/10/2008	2/1/2015		\$200,000.00	\$200,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS08076	Azusa Unified School District	10/17/2008	11/16/2014	1/31/2017	\$172,500.00	\$172,500.00	New CNG station and maint. Fac. Modificati	\$0.00	Yes
MS08078	SunLine Transit Agency	12/10/2008	6/9/2015	2/9/2016	\$189,000.00	\$189,000.00	CNG Station Upgrade	\$0.00	Yes
MS09002	A-Z Bus Sales, Inc.	11/7/2008	12/31/2009	12/31/2010	\$2,520,000.00	\$2,460,000.00	Alternative Fuel School Bus Incentive Progra	\$60,000.00	Yes
MS09004	A-Z Bus Sales, Inc.	1/30/2009	3/31/2009		\$156,000.00	\$156,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS09047	BusWest	7/9/2010	12/31/2010	4/30/2011	\$480,000.00	\$480,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes

Total: 57

Closed/Incomplete Contracts

ML08025	Los Angeles County Department of P	10/30/2009	3/29/2011		\$75,000.00	\$0.00	150 Vehicles (Diagnostic)	\$75,000.00	No
MS08079	ABC Unified School District	1/16/2009	12/15/2009	12/15/2010	\$50,000.00	\$0.00	Maintenance Facility Modifications	\$50,000.00	No

Total: 2

Open/Complete Contracts

ML08040	City of Riverside	9/11/2009	9/10/2016	3/10/2019	\$455,500.00	\$455,500.00	16 CNG Vehicles, Expand CNG Station & M	\$0.00	Yes
ML08043	City of Desert Hot Springs	9/25/2009	3/24/2016	3/24/2021	\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
MS08018	Los Angeles County Department of P	8/7/2009	10/6/2016	4/6/2018	\$60,000.00	\$60,000.00	2 CNG Vehicles	\$0.00	Yes

Total: 3

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2008-2009 Contracts									
Open Contracts									
ML09033	City of Beverly Hills	3/4/2011	5/3/2017	5/3/2018	\$550,000.00	\$100,000.00	10 Nat. Gas Heavy-Duty Vehicles & CNG St	\$450,000.00	No
ML09036	City of Long Beach Fleet Services B	5/7/2010	5/6/2017	5/6/2022	\$875,000.00	\$525,000.00	Purchase 35 LNG Refuse Trucks	\$350,000.00	No
Total: 2									
Declined/Cancelled Contracts									
ML09017	County of San Bernardino Public Wo	1/28/2010	7/27/2016		\$200,000.00	\$0.00	8 Nat. Gas Heavy-Duty Vehicles	\$200,000.00	No
ML09018	Los Angeles Department of Water an	7/16/2010	9/15/2012		\$850,000.00	\$0.00	Retrofit 85 Off-Road Vehicles w/DECS	\$850,000.00	No
ML09019	City of San Juan Capistrano Public	12/4/2009	11/3/2010		\$10,125.00	\$0.00	Remote Vehicle Diagnostics/45 Vehicles	\$10,125.00	No
ML09022	Los Angeles County Department of P				\$8,250.00	\$0.00	Remote Vehicle Diagnostics/15 Vehicles	\$8,250.00	No
ML09025	Los Angeles County Department of P	10/15/2010	12/14/2012	6/14/2013	\$50,000.00	\$0.00	Remote Vehicle Diagnostics/85 Vehicles	\$50,000.00	No
ML09028	Riverside County Waste Manageme				\$140,000.00	\$0.00	Retrofit 7 Off-Road Vehicles w/DECS	\$140,000.00	No
ML09039	City of Inglewood				\$310,000.00	\$0.00	Purchase 12 H.D. CNG Vehicles and Remot	\$310,000.00	No
ML09040	City of Cathedral City				\$83,125.00	\$0.00	Purchase 3 H.D. CNG Vehicles and Remote	\$83,125.00	No
ML09044	City of San Dimas				\$425,000.00	\$0.00	Install CNG Station and Purchase 1 CNG S	\$425,000.00	No
ML09045	City of Orange				\$125,000.00	\$0.00	Purchase 5 CNG Sweepers	\$125,000.00	No
MS09003	FuelMaker Corporation				\$296,000.00	\$0.00	Home Refueling Apparatus Incentives	\$296,000.00	No
Total: 11									
Closed Contracts									
ML09007	City of Rancho Cucamonga	2/26/2010	4/25/2012		\$117,500.00	\$62,452.57	Maintenance Facility Modification	\$55,047.43	Yes
ML09008	City of Culver City Transportation De	1/19/2010	7/18/2016	7/18/2017	\$175,000.00	\$175,000.00	8 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09010	City of Palm Springs	1/8/2010	2/7/2016		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09011	City of San Bernardino	2/19/2010	5/18/2016		\$250,000.00	\$250,000.00	10 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09012	City of Gardena	3/12/2010	11/11/2015		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09013	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$144,470.00	\$128,116.75	Traffic Signal Synchr./Moreno Valley	\$16,353.25	Yes
ML09014	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$113,030.00	\$108,495.94	Traffic Signal Synchr./Corona	\$4,534.06	Yes
ML09015	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$80,060.00	\$79,778.52	Traffic Signal Synchr./Co. of Riverside	\$281.48	Yes
ML09016	County of San Bernardino Public Wo	1/28/2010	3/27/2014		\$50,000.00	\$50,000.00	Install New CNG Station	\$0.00	Yes
ML09020	County of San Bernardino	8/16/2010	2/15/2012		\$49,770.00	\$49,770.00	Remote Vehicle Diagnostics/252 Vehicles	\$0.00	Yes
ML09021	City of Palm Desert	7/9/2010	3/8/2012		\$39,450.00	\$38,248.87	Traffic Signal Synchr./Rancho Mirage	\$1,201.13	Yes
ML09023	Los Angeles County Department of P	12/10/2010	12/9/2017		\$50,000.00	\$50,000.00	2 Heavy-Duty Alternative Fuel Transit Vehicl	\$0.00	Yes
ML09024	Los Angeles County Department of P	10/15/2010	12/14/2012	6/14/2013	\$400,000.00	\$0.00	Maintenance Facility Modifications	\$400,000.00	No
ML09027	Los Angeles County Department of P	7/23/2010	3/22/2012	6/22/2012	\$150,000.00	\$150,000.00	Freeway Detector Map Interface	\$0.00	Yes
ML09029	City of Whittier	11/6/2009	4/5/2016		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09030	City of Los Angeles GSD/Fleet Servi	6/18/2010	6/17/2011		\$22,310.00	\$22,310.00	Remote Vehicle Diagnostics/107 Vehicles	\$0.00	Yes
ML09031	City of Los Angeles, Department of	10/29/2010	10/28/2017		\$825,000.00	\$825,000.00	33 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML09034	City of La Palma	11/25/2009	6/24/2015		\$25,000.00	\$25,000.00	1 LPG Heavy-Duty Vehicle	\$0.00	Yes
ML09037	City of Redondo Beach	6/18/2010	6/17/2016		\$50,000.00	\$50,000.00	Purchase Two CNG Sweepers	\$0.00	Yes
ML09038	City of Chino	9/27/2010	5/26/2017		\$250,000.00	\$250,000.00	Upgrade Existing CNG Station	\$0.00	Yes
ML09041	City of Los Angeles, Bureau of Sanit	10/1/2010	9/30/2017		\$875,000.00	\$875,000.00	Purchase 35 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML09042	Los Angeles Department of Water an	12/10/2010	12/9/2017		\$1,400,000.00	\$1,400,000.00	Purchase 56 Dump Trucks	\$0.00	Yes
ML09046	City of Newport Beach	5/20/2010	5/19/2016		\$162,500.00	\$162,500.00	Upgrade Existing CNG Station, Maintenance	\$0.00	Yes
ML09047	Los Angeles County Department of P	8/13/2014	8/12/2015	11/12/2015	\$400,000.00	\$272,924.53	Maintenance Facility Modifications	\$127,075.47	No
MS09001	Administrative Services Co-Op/Long	3/5/2009	6/30/2012	12/31/2013	\$225,000.00	\$150,000.00	15 CNG Taxicabs	\$75,000.00	Yes
MS09005	Gas Equipment Systems, Inc.	6/19/2009	10/18/2010		\$71,000.00	\$71,000.00	Provide Temp. Fueling for Mountain Area C	\$0.00	Yes

Total: 26

Open/Complete Contracts

ML09009	City of South Pasadena	11/5/2010	12/4/2016	3/4/2019	\$125,930.00	\$125,930.00	CNG Station Expansion	\$0.00	Yes
ML09026	Los Angeles County Department of P	10/15/2010	10/14/2017	4/14/2019	\$150,000.00	\$80,411.18	3 Off-Road Vehicles Repowers	\$69,588.82	Yes
ML09032	Los Angeles World Airports	4/8/2011	4/7/2018		\$175,000.00	\$175,000.00	7 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09035	City of Fullerton	6/17/2010	6/16/2017	12/16/2018	\$450,000.00	\$450,000.00	2 Heavy-Duty CNG Vehicles & Install CNG	\$0.00	Yes
ML09043	City of Covina	10/8/2010	4/7/2017	10/7/2018	\$179,591.00	\$179,591.00	Upgrade Existing CNG Station	\$0.00	Yes

Total: 5

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2010-2011 Contracts									
Open Contracts									
ML11024	County of Los Angeles, Dept of Publi	12/5/2014	6/4/2022		\$90,000.00	\$90,000.00	Purchase 3 Nat. Gas H.D. Vehicles	\$0.00	No
ML11029	City of Santa Ana	9/7/2012	3/6/2020	3/6/2023	\$262,500.00	\$75,000.00	Expansion of Existing CNG Station, Install N	\$187,500.00	No
ML11032	City of Gardena	3/2/2012	9/1/2018	10/1/2020	\$102,500.00	\$0.00	Purchase Heavy-Duty CNG Vehicle, Install	\$102,500.00	No
ML11038	City of Santa Monica	5/18/2012	7/17/2018		\$400,000.00	\$0.00	Maintenance Facility Modifications	\$400,000.00	No
ML11045	City of Newport Beach	2/3/2012	8/2/2018	3/2/2021	\$30,000.00	\$0.00	Purchase 1 Nat. Gas H.D. Vehicle	\$30,000.00	No
MS11065	Temecula Valley Unified School Distr	8/11/2012	1/10/2019		\$50,000.00	\$46,112.64	Expansion of Existing CNG Station	\$3,887.36	No
MS11091	California Cartage Company, LLC	4/5/2013	8/4/2016	2/4/2018	\$55,000.00	\$0.00	Retrofit Two H.D. Off-Road Vehicles Under	\$55,000.00	No
Total: 7									
Declined/Cancelled Contracts									
MS11013	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Huntington Beach	\$150,000.00	No
MS11014	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Santa Ana	\$150,000.00	No
MS11015	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Inglewood	\$150,000.00	No
MS11046	Luis Castro				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11047	Ivan Borjas				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11048	Phase II Transportation				\$1,080,000.00	\$0.00	Repower 27 Heavy-Duty Vehicles	\$1,080,000.00	No
MS11049	Ruben Caceras				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11050	Carlos Arrue				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11051	Francisco Vargas				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11053	Jose Ivan Soltero				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11054	Albino Meza				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11059	Go Natural Gas				\$150,000.00	\$0.00	New Public Access CNG Station - Paramou	\$150,000.00	No
MS11063	Standard Concrete Products				\$310,825.00	\$0.00	Retrofit Two Off-Road Vehicles under Showc	\$310,825.00	No
MS11070	American Honda Motor Company				\$100,000.00	\$0.00	Expansion of Existing CNG Station	\$100,000.00	No
MS11072	Trillium USA Company DBA Californi				\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS11077	DCL America Inc.				\$263,107.00	\$0.00	Retrofit of 13 Off-Road Diesel Vehicles with	\$263,107.00	No
MS11083	Cattrac Construction, Inc.				\$500,000.00	\$0.00	Install DECS on Eight Off-Road Vehicles	\$500,000.00	No
MS11084	Ivanhoe Energy Services and Develo				\$66,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$66,750.00	No
MS11088	Diesel Emission Technologies				\$32,750.00	\$0.00	Retrofit Three H.D. Off-Road Vehicles Under	\$32,750.00	No
MS11089	Diesel Emission Technologies				\$9,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$9,750.00	No
MS11090	Diesel Emission Technologies				\$14,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$14,750.00	No
Total: 21									
Closed Contracts									
ML11007	Coachella Valley Association of Gov	7/29/2011	7/28/2012		\$250,000.00	\$249,999.96	Regional PM10 Street Sweeping Program	\$0.04	Yes
ML11027	City of Los Angeles, Dept. of Genera	5/4/2012	7/3/2015	1/3/2016	\$300,000.00	\$300,000.00	Maintenance Facility Modifications	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML11035	City of La Quinta	11/18/2011	11/17/2012		\$25,368.00	\$25,368.00	Retrofit 3 On-Road Vehicles w/DECS	\$0.00	Yes
MS11001	Mineral LLC	4/22/2011	4/30/2013	4/30/2015	\$111,827.00	\$103,136.83	Design, Develop, Host and Maintain MSRC	\$8,690.17	Yes
MS11002	A-Z Bus Sales, Inc.	7/15/2011	12/31/2011	6/30/2013	\$1,705,000.00	\$1,705,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS11003	BusWest	7/26/2011	12/31/2011	12/31/2012	\$1,305,000.00	\$1,305,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS11004	Los Angeles County MTA	9/9/2011	2/29/2012		\$450,000.00	\$299,743.34	Clean Fuel Transit Service to Dodger Stadiu	\$150,256.66	Yes
MS11006	Orange County Transportation Autho	10/7/2011	2/29/2012	8/31/2012	\$268,207.00	\$160,713.00	Metrolink Service to Angel Stadium	\$107,494.00	Yes
MS11018	Orange County Transportation Autho	10/14/2011	1/31/2012		\$211,360.00	\$211,360.00	Express Bus Service to Orange County Fair	\$0.00	Yes
MS11052	Krisda Inc	9/27/2012	6/26/2013		\$120,000.00	\$120,000.00	Repower Three Heavy-Duty Vehicles	\$0.00	Yes
MS11056	The Better World Group	12/30/2011	12/29/2013	12/29/2015	\$206,836.00	\$186,953.46	Programmatic Outreach Services	\$19,882.54	Yes
MS11057	Riverside County Transportation Co	7/28/2012	3/27/2013		\$100,000.00	\$89,159.40	Develop and Implement 511 "Smart Phone"	\$10,840.60	Yes
MS11058	L A Service Authority for Freeway E	5/31/2013	4/30/2014		\$123,395.00	\$123,395.00	Implement 511 "Smart Phone" Application	\$0.00	Yes
MS11061	Eastern Municipal Water District	3/29/2012	5/28/2015		\$11,659.00	\$1,450.00	Retrofit One Off-Road Vehicle under Showc	\$10,209.00	Yes
MS11062	Load Center	9/7/2012	1/6/2016	12/6/2016	\$175,384.00	\$169,883.00	Retrofit Six Off-Road Vehicles under Showc	\$5,501.00	Yes
MS11074	SunLine Transit Agency	5/11/2012	7/31/2012		\$41,849.00	\$22,391.00	Transit Service for Coachella Valley Festival	\$19,458.00	Yes
MS11080	Southern California Regional Rail Au	4/6/2012	7/31/2012		\$26,000.00	\$26,000.00	Metrolink Service to Auto Club Speedway	\$0.00	Yes
MS11086	DCL America Inc.	6/7/2013	10/6/2016		\$500,000.00	\$359,076.96	Retrofit Eight H.D. Off-Road Vehicles Under	\$140,923.04	Yes
MS11087	Cemex Construction Material Pacific,	10/16/2012	2/15/2016		\$448,766.00	\$448,760.80	Retrofit 13 H.D. Off-Road Vehicles Under Sh	\$5.20	Yes
MS11092	Griffith Company	2/15/2013	6/14/2016	12/14/2017	\$390,521.00	\$78,750.00	Retrofit 17 H.D. Off-Road Vehicles Under Sh	\$311,771.00	No
Total: 20									
Closed/Incomplete Contracts									
MS11064	City of Hawthorne	7/28/2012	8/27/2018	8/27/2019	\$175,000.00	\$0.00	New Limited Access CNG Station	\$175,000.00	No
MS11076	SA Recycling, LLC	5/24/2012	9/23/2015		\$424,801.00	\$0.00	Retrofit of 13 Off-Road Diesel Vehicles with	\$424,801.00	No
MS11081	Metropolitan Stevedore Company	9/7/2012	1/6/2016		\$45,416.00	\$0.00	Install DECS on Two Off-Road Vehicles	\$45,416.00	No
MS11082	Baumot North America, LLC	8/2/2012	12/1/2015		\$65,958.00	\$4,350.00	Install DECS on Four Off-Road Vehicles	\$61,608.00	Yes
MS11085	City of Long Beach Fleet Services B	8/23/2013	12/22/2016		\$159,012.00	\$0.00	Retrofit Seven H.D. Off-Road Vehicles Unde	\$159,012.00	No
Total: 5									
Open/Complete Contracts									
ML11020	City of Indio	2/1/2013	3/31/2019	9/30/2020	\$15,000.00	\$9,749.50	Retrofit one H.D. Vehicles w/DECS, repower	\$5,250.50	Yes
ML11021	City of Whittier	1/27/2012	9/26/2018	6/26/2019	\$210,000.00	\$210,000.00	Purchase 7 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11022	City of Anaheim	3/16/2012	7/15/2018		\$150,000.00	\$150,000.00	Purchase of 5 H.D. Vehicles	\$0.00	Yes
ML11023	City of Rancho Cucamonga	4/20/2012	12/19/2018	9/19/2020	\$260,000.00	\$260,000.00	Expand Existing CNG Station, 2 H.D. Vehicl	\$0.00	Yes
ML11025	County of Los Angeles Department o	3/14/2014	9/13/2021		\$150,000.00	\$150,000.00	Purchase 5 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11026	City of Redlands	3/2/2012	10/1/2018		\$90,000.00	\$90,000.00	Purchase 3 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11028	City of Glendale	1/13/2012	5/12/2018		\$300,000.00	\$300,000.00	Purchase 10 H.D. CNG Vehicles	\$0.00	Yes
ML11030	City of Fullerton	2/3/2012	3/2/2018		\$109,200.00	\$109,200.00	Purchase 2 Nat. Gas H.D. Vehicles, Retrofit	\$0.00	Yes
ML11031	City of Culver City Transportation De	12/2/2011	12/1/2018		\$300,000.00	\$300,000.00	Purchase 10 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML11033	City of Los Angeles, Bureau of Sanit	3/16/2012	1/15/2019		\$1,080,000.00	\$1,080,000.00	Purchase 36 LNG H.D. Vehicles	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML11034	City of Los Angeles, Department of	5/4/2012	1/3/2019		\$630,000.00	\$630,000.00	Purchase 21 H.D. CNG Vehicles	\$0.00	Yes
ML11036	City of Riverside	1/27/2012	1/26/2019	3/26/2021	\$670,000.00	\$670,000.00	Install New CNG Station, Purchase 9 H.D. N	\$0.00	Yes
ML11037	City of Anaheim	12/22/2012	12/21/2019		\$300,000.00	\$300,000.00	Purchase 12 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11039	City of Ontario, Housing & Municipal	1/27/2012	9/26/2018		\$180,000.00	\$180,000.00	Purchase 6 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11040	City of South Pasadena	5/4/2012	1/3/2019	1/3/2022	\$30,000.00	\$30,000.00	Purchase 1 Nat. Gas H.D. Vehicle	\$0.00	Yes
ML11041	City of Santa Ana	9/7/2012	11/6/2018	1/6/2021	\$265,000.00	\$244,651.86	Purchase 7 LPG H.D. Vehicles, Retrofit 6 H.	\$20,348.14	Yes
ML11042	City of Chino	2/17/2012	4/16/2018		\$30,000.00	\$30,000.00	Purchase 1 Nat. Gas H.D. Vehicle, Repower	\$0.00	Yes
ML11043	City of Hemet Public Works	2/3/2012	2/2/2019		\$60,000.00	\$60,000.00	Purchase 2 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML11044	City of Ontario, Housing & Municipal	1/27/2012	6/26/2019		\$400,000.00	\$400,000.00	Expand Existing CNG Station	\$0.00	Yes
MS11008	USA Waste of California, Inc.	10/24/2013	4/23/2020		\$125,000.00	\$125,000.00	Expansion of Existing LCNG Station	\$0.00	Yes
MS11009	USA Waste of California, Inc.	10/24/2013	4/23/2020		\$125,000.00	\$125,000.00	Expansion of Existing LCNG Station	\$0.00	Yes
MS11010	Border Valley Trading	8/26/2011	10/25/2017	4/25/2020	\$150,000.00	\$150,000.00	New LNG Station	\$0.00	Yes
MS11011	EDCO Disposal Corporation	12/30/2011	4/29/2019		\$100,000.00	\$100,000.00	New CNG Station - Signal Hill	\$0.00	Yes
MS11012	EDCO Disposal Corporation	12/30/2011	4/29/2019		\$100,000.00	\$100,000.00	New CNG Station - Buena Park	\$0.00	Yes
MS11016	CR&R Incorporated	4/12/2013	10/11/2019		\$100,000.00	\$100,000.00	New CNG Station - Perris	\$0.00	Yes
MS11017	CR&R, Inc.	3/2/2012	2/1/2018		\$100,000.00	\$100,000.00	Expansion of existing station - Garden Grove	\$0.00	Yes
MS11019	City of Corona	11/29/2012	4/28/2020		\$225,000.00	\$225,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11055	KEC Engineering	2/3/2012	8/2/2018	8/2/2019	\$200,000.00	\$200,000.00	Repower 5 H.D. Off-Road Vehicles	\$0.00	Yes
MS11060	Rowland Unified School District	8/17/2012	1/16/2019	1/16/2020	\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes
MS11066	Torrance Unified School District	11/19/2012	9/18/2018		\$42,296.00	\$42,296.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11067	City of Redlands	5/24/2012	11/23/2018	11/23/2019	\$85,000.00	\$85,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11068	Ryder System Inc.	7/28/2012	10/27/2018		\$175,000.00	\$175,000.00	New Public Access L/CNG Station (Fontana)	\$0.00	Yes
MS11069	Ryder System Inc.	7/28/2012	8/27/2018		\$175,000.00	\$175,000.00	New Public Access L/CNG Station (Orange)	\$0.00	Yes
MS11071	City of Torrance Transit Department	12/22/2012	1/21/2019	1/21/2020	\$175,000.00	\$166,250.00	New Limited Access CNG Station	\$8,750.00	Yes
MS11073	Los Angeles Unified School District	9/11/2015	2/10/2022		\$175,000.00	\$175,000.00	Expansion of Existing CNG Station	\$0.00	Yes
MS11079	Bear Valley Unified School District	2/5/2013	10/4/2019		\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	Yes

Total: 36

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2011-2012 Contracts									
Open Contracts									
ML12014	City of Santa Ana	11/8/2013	8/7/2020		\$384,000.00	\$4,709.00	9 H.D. Nat. Gas & LPG Trucks, EV Charging	\$379,291.00	No
ML12018	City of West Covina	10/18/2013	10/17/2020	8/17/2023	\$300,000.00	\$0.00	Expansion of Existing CNG Station	\$300,000.00	No
ML12041	City of Anaheim Public Utilities Depa	4/4/2014	11/3/2015	11/3/2017	\$68,977.00	\$0.00	EV Charging Infrastructure	\$68,977.00	No
ML12043	City of Hemet	6/24/2013	9/23/2019		\$60,000.00	\$0.00	Two Heavy-Duty Nat. Gas Vehicles	\$60,000.00	No
ML12045	City of Baldwin Park DPW	2/14/2014	12/13/2020	6/13/2022	\$400,000.00	\$0.00	Install New CNG Station	\$400,000.00	No
ML12048	City of La Palma	1/4/2013	11/3/2018		\$20,000.00	\$0.00	Two Medium-Duty LPG Vehicles	\$20,000.00	No
ML12051	City of Bellflower	2/7/2014	2/6/2016	2/6/2018	\$100,000.00	\$0.00	EV Charging Infrastructure	\$100,000.00	No
ML12057	City of Coachella	8/28/2013	8/27/2019	1/27/2022	\$57,456.00	\$40,375.80	Purchase One Nat. Gas H.D. Vehicle/Street	\$17,080.20	No
ML12090	City of Palm Springs	10/9/2015	10/8/2021		\$21,163.00	\$0.00	EV Charging Infrastructure	\$21,163.00	No
MS12008	Bonita Unified School District	7/12/2013	12/11/2019	4/11/2021	\$175,000.00	\$0.00	Construct New Limited-Acess CNG Station	\$175,000.00	No
MS12060	City of Santa Monica	4/4/2014	8/3/2017	8/3/2018	\$500,000.00	\$412,584.46	Implement Westside Bikeshare Program	\$87,415.54	No
MS12077	City of Coachella	6/14/2013	6/13/2020		\$225,000.00	\$0.00	Construct New CNG Station	\$225,000.00	No
MS12083	Brea Olinda Unified School District	7/30/2015	2/29/2024		\$59,454.00	\$0.00	Install New CNG Infrastructure	\$59,454.00	No
MS12084	Airport Mobil Inc.	12/6/2013	5/5/2020		\$150,000.00	\$0.00	Install New CNG Infrastructure	\$150,000.00	No
MS12089	Riverside County Transportation Co	10/18/2013	9/17/2015		\$249,136.00	\$111,052.74	Implement Rideshare Incentives Program	\$138,083.26	No
Total: 15									
Declined/Cancelled Contracts									
ML12016	City of Cathedral City	1/4/2013	10/3/2019		\$60,000.00	\$0.00	CNG Vehicle & Electric Vehicle Infrastructur	\$60,000.00	No
ML12038	City of Long Beach Public Works				\$26,000.00	\$0.00	Electric Vehicle Charging Infrastructure	\$26,000.00	No
ML12040	City of Duarte Transit				\$30,000.00	\$0.00	One Heavy-Duty Nat. Gas Vehicle	\$30,000.00	No
ML12044	County of San Bernardino Public Wo				\$250,000.00	\$0.00	Install New CNG Station	\$250,000.00	No
ML12052	City of Whittier	3/14/2013	7/13/2019		\$165,000.00	\$0.00	Expansion of Existing CNG Station	\$165,000.00	No
ML12053	City of Mission Viejo				\$60,000.00	\$0.00	EV Charging Infrastructure	\$60,000.00	No
MS12007	WestAir Gases & Equipment				\$100,000.00	\$0.00	Construct New Limited-Acess CNG Station	\$100,000.00	No
MS12027	C.V. Ice Company, Inc.	5/17/2013	11/16/2019		\$75,000.00	\$0.00	Purchase 3 Medium-Heavy Duty Vehicles	\$75,000.00	No
MS12030	Complete Landscape Care, Inc.				\$150,000.00	\$0.00	Purchase 6 Medium-Heavy Duty Vehicles	\$150,000.00	No
MS12067	Leatherwood Construction, Inc.	11/8/2013	3/7/2017		\$122,719.00	\$0.00	Retrofit Six Vehicles w/DECS - Showcase III	\$122,719.00	No
MS12070	Valley Music Travel/CID Entertainme				\$99,000.00	\$0.00	Implement Shuttle Service to Coachella Mus	\$99,000.00	No
Total: 11									
Closed Contracts									
ML12013	City of Pasadena	10/19/2012	3/18/2015	9/18/2015	\$200,000.00	\$65,065.00	Electric Vehicle Charging Infrastructure	\$134,935.00	Yes
ML12019	City of Palm Springs	9/6/2013	7/5/2015		\$38,000.00	\$16,837.00	EV Charging Infrastructure	\$21,163.00	Yes
ML12021	City of Rancho Cucamonga	9/14/2012	1/13/2020		\$40,000.00	\$40,000.00	Four Medium-Duty Nat. Gas Vehicles	\$0.00	Yes
ML12023	County of Los Angeles Internal Servi	8/1/2013	2/28/2015		\$250,000.00	\$192,333.00	EV Charging Infrastructure	\$57,667.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML12037	Coachella Valley Association of Gov	3/14/2013	3/13/2014		\$250,000.00	\$250,000.00	Street Sweeping Operations	\$0.00	Yes
ML12042	City of Chino Hills	1/18/2013	3/17/2017		\$87,500.00	\$87,500.00	Expansion of Existing CNG Station	\$0.00	Yes
ML12049	City of Rialto Public Works	7/14/2014	9/13/2015		\$30,432.00	\$3,265.29	EV Charging Infrastructure	\$27,166.71	Yes
ML12050	City of Baldwin Park	4/25/2013	4/24/2014	10/24/2014	\$402,400.00	\$385,363.00	EV Charging Infrastructure	\$17,037.00	Yes
ML12054	City of Palm Desert	9/30/2013	2/28/2015		\$77,385.00	\$77,385.00	EV Charging Infrastructure	\$0.00	Yes
ML12056	City of Cathedral City	3/26/2013	5/25/2014		\$25,000.00	\$25,000.00	Regional Street Sweeping Program	\$0.00	Yes
ML12066	City of Manhattan Beach	1/7/2014	4/6/2015		\$5,900.00	\$5,900.00	Electric Vehicle Charging Infrastructure	\$0.00	Yes
MS12001	Los Angeles County MTA	7/1/2012	4/30/2013		\$300,000.00	\$211,170.00	Clean Fuel Transit Service to Dodger Stadiu	\$88,830.00	Yes
MS12002	Orange County Transportation Autho	9/7/2012	4/30/2013		\$342,340.00	\$333,185.13	Express Bus Service to Orange County Fair	\$9,154.87	Yes
MS12003	Orange County Transportation Autho	7/20/2012	2/28/2013		\$234,669.00	\$167,665.12	Implement Metrolink Service to Angel Stadiu	\$67,003.88	Yes
MS12005	USA Waste of California, Inc.	10/19/2012	8/18/2013		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12006	Waste Management Collection & Re	10/19/2012	8/18/2013		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12012	Rim of the World Unified School Dist	12/20/2012	5/19/2014		\$75,000.00	\$75,000.00	Vehicle Maintenance Facility Modifications	\$0.00	Yes
MS12059	Orange County Transportation Autho	2/28/2013	12/27/2014		\$75,000.00	\$75,000.00	Maintenance Facilities Modifications	\$0.00	Yes
MS12061	Orange County Transportation Autho	3/14/2014	3/13/2017		\$224,000.00	\$114,240.00	Transit-Oriented Bicycle Sharing Program	\$109,760.00	Yes
MS12062	Fraser Communications	12/7/2012	5/31/2014		\$998,669.00	\$989,218.49	Develop & Implement "Rideshare Thursday"	\$9,450.51	Yes
MS12064	Anaheim Transportation Network	3/26/2013	12/31/2014		\$127,296.00	\$56,443.92	Implement Anaheim Circulator Service	\$70,852.08	Yes
MS12065	Orange County Transportation Autho	7/27/2013	11/30/2013		\$43,933.00	\$14,832.93	Ducks Express Service to Honda Center	\$29,100.07	Yes
MS12068	Southern California Regional Rail Au	3/1/2013	9/30/2013		\$57,363.00	\$47,587.10	Implement Metrolink Service to Autoclub Sp	\$9,775.90	Yes
MS12069	City of Irvine	8/11/2013	2/28/2014		\$45,000.00	\$26,649.41	Implement Special Transit Service to Solar	\$18,350.59	Yes
MS12076	City of Ontario, Housing & Municipal	3/8/2013	4/7/2015		\$75,000.00	\$75,000.00	Maintenance Facilities Modification	\$0.00	Yes
MS12078	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$73,107.00	Maintenance Facility Modifications - Vernon	\$1,893.00	Yes
MS12081	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$75,000.00	Maintenance Facility Modifications - Santa A	\$0.00	Yes
MS12085	Bear Valley Unified School District	4/25/2013	6/24/2014		\$75,000.00	\$75,000.00	Maintenance Facility Modifications	\$0.00	Yes
MS12087	Los Angeles County MTA	8/29/2013	11/28/2015		\$125,000.00	\$125,000.00	Implement Rideshare Incentives Program	\$0.00	Yes
MS12088	Orange County Transportation Autho	12/6/2013	3/5/2016		\$125,000.00	\$18,496.50	Implement Rideshare Incentives Program	\$106,503.50	Yes
MS12Hom	Mansfield Gas Equipment Systems				\$296,000.00	\$0.00	Home Refueling Apparatus Incentive Progra	\$296,000.00	No

Total: 31

Closed/Incomplete Contracts

MS12079	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$0.00	Maintenance Facility Modifications - Boyle H	\$75,000.00	No
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Total: 1

Open/Complete Contracts

ML12015	City of Fullerton	4/25/2013	11/24/2020	11/24/2021	\$40,000.00	\$40,000.00	HD CNG Vehicle, Expand CNG Station	\$0.00	Yes
ML12017	City of Los Angeles, Bureau of Sanit	6/26/2013	5/25/2020	11/25/2021	\$950,000.00	\$950,000.00	32 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML12020	City of Los Angeles, Department of	9/27/2012	3/26/2019	3/26/2020	\$450,000.00	\$450,000.00	15 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML12022	City of La Puente	12/6/2013	6/5/2020		\$110,000.00	\$110,000.00	2 Medium-Duty and Three Heavy-Duty CNG	\$0.00	Yes
ML12039	City of Redlands	2/8/2013	10/7/2019		\$90,000.00	\$90,000.00	Three Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML12046	City of Irvine	8/11/2013	3/10/2021		\$30,000.00	\$30,000.00	One Heavy-Duty Nat. Gas Vehicle	\$0.00	Yes
ML12047	City of Orange	2/1/2013	1/31/2019		\$30,000.00	\$30,000.00	One Heavy-Duty Nat. Gas Vehicle	\$0.00	Yes
ML12055	City of Manhattan Beach	3/1/2013	12/31/2018		\$10,000.00	\$10,000.00	One Medium-Duty Nat. Gas Vehicle	\$0.00	Yes
MS12004	USA Waste of California, Inc.	10/24/2013	11/23/2019		\$175,000.00	\$175,000.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS12009	Sysco Food Services of Los Angeles	1/7/2014	4/6/2020		\$150,000.00	\$150,000.00	Construct New Public-Access LNG Station	\$0.00	Yes
MS12010	Murrieta Valley Unified School Distric	4/5/2013	9/4/2019		\$242,786.00	\$242,786.00	Construct New Limited-Access CNG Station	\$0.00	Yes
MS12011	Southern California Gas Company	6/14/2013	6/13/2019	5/28/2021	\$150,000.00	\$150,000.00	Construct New Public-Access CNG Station -	\$0.00	Yes
MS12024	Southern California Gas Company	6/13/2013	12/12/2019	11/12/2020	\$150,000.00	\$150,000.00	Construct New Public-Access CNG Station -	\$0.00	Yes
MS12025	Silverado Stages, Inc.	11/2/2012	7/1/2018		\$150,000.00	\$150,000.00	Purchase Six Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12026	U-Haul Company of California	3/14/2013	3/13/2019		\$500,000.00	\$353,048.26	Purchase 23 Medium-Heavy Duty Vehicles	\$146,951.74	Yes
MS12028	Dy-Dee Service of Pasadena, Inc.	12/22/2012	1/21/2019		\$45,000.00	\$40,000.00	Purchase 2 Medium-Duty and 1 Medium-He	\$5,000.00	Yes
MS12029	Community Action Partnership of Or	11/2/2012	11/1/2018		\$25,000.00	\$14,850.00	Purchase 1 Medium-Heavy Duty Vehicle	\$10,150.00	Yes
MS12031	Final Assembly, Inc.	11/2/2012	11/1/2018		\$50,000.00	\$32,446.00	Purchase 2 Medium-Heavy Duty Vehicles	\$17,554.00	Yes
MS12032	Fox Transportation	12/14/2012	12/13/2018		\$500,000.00	\$500,000.00	Purchase 20 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12033	Mike Diamond/Phace Management	12/22/2012	12/21/2018	6/21/2021	\$148,900.00	\$148,900.00	Purchase 20 Medium-Heavy Duty Vehicles	\$0.00	No
MS12034	Ware Disposal Company, Inc.	11/2/2012	11/1/2018	5/1/2022	\$133,070.00	\$133,070.00	Purchase 8 Medium-Heavy Duty Vehicles	\$0.00	No
MS12035	Disneyland Resort	1/4/2013	7/3/2019		\$25,000.00	\$18,900.00	Purchase 1 Medium-Heavy Duty Vehicle	\$6,100.00	Yes
MS12036	Jim & Doug Carter's Automotive/VS	1/4/2013	11/3/2018		\$50,000.00	\$50,000.00	Purchase 2 Medium-Heavy Duty Vehicles	\$0.00	Yes
MS12058	Krisda Inc	4/24/2013	1/23/2019		\$25,000.00	\$25,000.00	Repower One Heavy-Duty Off-Road Vehicle	\$0.00	Yes
MS12063	Custom Alloy Light Metals, Inc.	8/16/2013	2/15/2020		\$100,000.00	\$100,000.00	Install New Limited Access CNG Station	\$0.00	Yes
MS12071	Transit Systems Unlimited, Inc.	5/17/2013	12/16/2018		\$21,250.00	\$21,250.00	Expansion of Existing CNG Station	\$0.00	Yes
MS12072	99 Cents Only Stores	4/5/2013	9/4/2019		\$100,000.00	\$100,000.00	Construct New CNG Station	\$0.00	Yes
MS12073	FirstCNG, LLC	7/27/2013	12/26/2019		\$150,000.00	\$150,000.00	Construct New CNG Station	\$0.00	Yes
MS12074	Arcadia Unified School District	7/5/2013	9/4/2019		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS12075	CR&R Incorporated	7/27/2013	1/26/2021	1/26/2022	\$100,000.00	\$100,000.00	Expansion of Existing CNG Infrastructure	\$0.00	No
MS12080	City of Pasadena	11/8/2013	8/7/2020	2/7/2022	\$225,000.00	\$225,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS12082	City of Los Angeles, Bureau of Sanit	11/20/2013	2/19/2021	2/19/2023	\$175,000.00	\$175,000.00	Install New CNG Infrastructure	\$0.00	Yes
MS12086	SuperShuttle International, Inc.	3/26/2013	3/25/2019		\$225,000.00	\$225,000.00	Purchase 23 Medium-Heavy Duty Vehicles	\$0.00	Yes

Total: 33

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2012-2014 Contracts									
Open Contracts									
ML14012	City of Santa Ana	2/13/2015	10/12/2021		\$244,000.00	\$0.00	EV Charging and 7 H.D. LPG Vehicles	\$244,000.00	No
ML14016	City of Anaheim	4/3/2015	9/2/2021		\$380,000.00	\$0.00	Purchase 2 H.D. Vehicles, Expansion of Exi	\$380,000.00	No
ML14018	City of Los Angeles, Department of	3/6/2015	9/5/2021	12/5/2022	\$810,000.00	\$720,000.00	Purchase 27 H.D. Nat. Gas Vehicles	\$90,000.00	No
ML14019	City of Corona Public Works	12/5/2014	6/4/2020	11/4/2022	\$178,263.00	\$15,468.52	EV Charging, Bicycle Racks, Bicycle Locker	\$162,794.48	No
ML14021	Riverside County Regional Park and	7/24/2014	12/23/2016	9/23/2018	\$250,000.00	\$0.00	Bicycle Trail Improvements	\$250,000.00	No
ML14023	County of Los Angeles Department o	10/2/2015	9/1/2017	9/1/2018	\$230,000.00	\$0.00	Maintenance Fac. Modifications-Westcheste	\$230,000.00	No
ML14024	County of Los Angeles Department o	10/2/2015	9/1/2017	9/1/2018	\$230,000.00	\$0.00	Maintenance Fac. Modifications-Baldwin Par	\$230,000.00	No
ML14025	County of Los Angeles Dept of Publi	10/2/2015	7/1/2018		\$300,000.00	\$0.00	Construct New CNG Station in Malibu	\$300,000.00	No
ML14026	County of Los Angeles Dept of Publi	10/2/2015	5/1/2023		\$300,000.00	\$0.00	Construct New CNG Station in Castaic	\$300,000.00	No
ML14027	County of Los Angeles Dept of Publi	10/2/2015	5/1/2023	6/1/2024	\$500,000.00	\$0.00	Construct New CNG Station in Canyon Coun	\$500,000.00	No
ML14030	County of Los Angeles Internal Servi	1/9/2015	3/8/2018	6/8/2019	\$425,000.00	\$25,000.00	Bicycle Racks, Outreach & Education	\$400,000.00	No
ML14033	City of Irvine	7/11/2014	2/10/2021		\$60,000.00	\$0.00	Purchase 2 H.D. CNG Vehicles	\$60,000.00	No
ML14049	City of Moreno Valley	7/11/2014	3/10/2021		\$105,000.00	\$48,250.00	One HD Nat Gas Vehicle, EV Charging, Bicy	\$56,750.00	No
ML14051	City of Brea	9/5/2014	1/4/2017	7/4/2018	\$450,000.00	\$0.00	Installation of Bicycle Trail	\$450,000.00	No
ML14055	City of Highland	10/10/2014	3/9/2018		\$500,000.00	\$0.00	Bicycle Lanes and Outreach	\$500,000.00	No
ML14056	City of Redlands	9/5/2014	5/4/2016	5/4/2018	\$125,000.00	\$0.00	Bicycle Lanes	\$125,000.00	No
ML14060	County of Los Angeles Internal Servi	10/6/2017	1/5/2019		\$104,400.00	\$0.00	Electric Vehicle Charging Infrastructure	\$104,400.00	No
ML14062	City of San Fernando	3/27/2015	5/26/2021		\$387,091.00	\$0.00	Expand Existing CNG Fueling Station	\$387,091.00	No
ML14066	City of South Pasadena	9/12/2014	7/11/2016	2/11/2018	\$142,096.00	\$0.00	Bicycle Trail Improvements	\$142,096.00	No
ML14067	City of Duarte Transit	12/4/2015	1/3/2023		\$60,000.00	\$0.00	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$60,000.00	No
ML14068	City of South Pasadena	9/12/2014	10/11/2015	1/11/2020	\$10,183.00	\$0.00	Electric Vehicle Charging Infrastructure	\$10,183.00	No
ML14069	City of Beaumont	3/3/2017	3/2/2025		\$200,000.00	\$0.00	Construct New CNG Infrastructure	\$200,000.00	No
ML14070	City of Rancho Cucamonga	9/3/2016	12/2/2018		\$365,245.00	\$0.00	Bicycle Trail Improvements	\$365,245.00	No
ML14072	City of Cathedral City	8/13/2014	1/12/2021		\$136,000.00	\$0.00	Medium & H.D. Vehicles, EV Charging, Bike	\$136,000.00	No
ML14093	County of Los Angeles Dept of Publi	8/14/2015	1/13/2019		\$150,000.00	\$0.00	San Gabriel BikeTrail Underpass Improveme	\$150,000.00	No
ML14094	City of Yucaipa	6/9/2017	6/8/2018		\$84,795.00	\$0.00	Installation of Bicycle Lanes	\$84,795.00	No
MS14001	Los Angeles County MTA	3/6/2015	4/30/2015		\$1,216,637.00	\$1,199,512.68	Clean Fuel Transit Service to Dodger Stadiu	\$17,124.32	No
MS14037	Penske Truck Leasing Co., L.P.	4/7/2017	6/6/2020		\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Carson	\$75,000.00	No
MS14057	Los Angeles County MTA	11/7/2014	10/6/2019		\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No
MS14059	Riverside County Transportation Co	9/5/2014	3/4/2018		\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No
MS14072	San Bernardino County Transportatio	3/27/2015	3/26/2018		\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No
MS14075	Fullerton Joint Union High School Di	7/22/2016	11/21/2023		\$300,000.00	\$0.00	Expansion of Existing CNG Infrastructure/Ma	\$300,000.00	No
MS14076	Rialto Unified School District	6/17/2015	2/16/2022		\$225,000.00	\$0.00	New Public Access CNG Station	\$225,000.00	No
MS14078	American Honda Motor Co., Inc.	9/4/2015	8/3/2022		\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS14079	Waste Resources, Inc.	9/14/2016	8/13/2022	8/13/2023	\$100,000.00	\$0.00	New Limited Access CNG Station	\$100,000.00	No
MS14082	Grand Central Recycling & Transfer	12/4/2015	3/3/2023	3/3/2024	\$150,000.00	\$0.00	Construct New Public Access CNG Station	\$150,000.00	No
MS14083	Hacienda La Puente Unified School	7/10/2015	3/9/2022		\$175,000.00	\$0.00	New Limited Access CNG Station	\$175,000.00	No
MS14089	Top Shelf Consulting, LLC	1/18/2017	8/4/2016	3/31/2017	\$200,000.00	\$200,000.00	Enhanced Fleet Modernization Program	\$0.00	Yes
MS14092	West Covina Unified School District	9/3/2016	12/2/2022		\$124,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$124,000.00	No
Total: 39									
Declined/Cancelled Contracts									
ML14063	City of Hawthorne				\$32,000.00	\$0.00	Expansion of Existng CNG Infrastructure	\$32,000.00	No
MS14035	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Sun Valle	\$75,000.00	No
MS14036	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - La Mirad	\$75,000.00	No
MS14038	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Fontana	\$75,000.00	No
MS14043	City of Anaheim				\$175,000.00	\$0.00	Expansion of Existing CNG Station	\$175,000.00	No
MS14085	Prologis, L.P.				\$100,000.00	\$0.00	New Limited Access CNG Station	\$100,000.00	No
MS14086	San Gabriel Valley Towing I				\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS14091	Serv-Wel Disposal				\$100,000.00	\$0.00	New Limited-Access CNG Infrastructure	\$100,000.00	No
Total: 8									
Closed Contracts									
ML14010	City of Cathedral City	8/13/2014	10/12/2015		\$25,000.00	\$25,000.00	Street Sweeping Operations	\$0.00	Yes
ML14011	City of Palm Springs	6/13/2014	1/12/2016		\$79,000.00	\$78,627.00	Bicycle Racks, Bicycle Outreach & Educatio	\$373.00	Yes
ML14015	Coachella Valley Association of Gov	6/6/2014	9/5/2015		\$250,000.00	\$250,000.00	Street Sweeping Operations	\$0.00	Yes
ML14020	County of Los Angeles Dept of Publi	8/13/2014	1/12/2018		\$150,000.00	\$0.00	San Gabriel BikeTrail Underpass Improveme	\$150,000.00	No
ML14029	City of Irvine	7/11/2014	6/10/2017		\$90,500.00	\$71,056.78	Bicycle Trail Improvements	\$19,443.22	Yes
ML14054	City of Torrance	11/14/2014	4/13/2017	7/13/2017	\$350,000.00	\$319,908.80	Upgrade Maintenance Facility	\$30,091.20	Yes
ML14065	City of Orange	9/5/2014	8/4/2015		\$10,000.00	\$10,000.00	Electric Vehicle Charging Infrastructure	\$0.00	Yes
MS14002	Orange County Transportation Autho	9/6/2013	4/30/2014		\$576,833.00	\$576,833.00	Clean Fuel Transit Service to Orange Count	\$0.00	Yes
MS14003	Orange County Transportation Autho	8/1/2013	4/30/2014	10/30/2014	\$194,235.00	\$184,523.00	Implement Metrolink Service to Angel Stadiu	\$9,712.00	Yes
MS14004	Orange County Transportation Autho	9/24/2013	4/30/2014		\$36,800.00	\$35,485.23	Implement Express Bus Service to Solar De	\$1,314.77	Yes
MS14005	Transit Systems Unlimited, Inc.	4/11/2014	2/28/2016		\$515,200.00	\$511,520.00	Provide Expanded Shuttle Service to Hollyw	\$3,680.00	Yes
MS14007	Orange County Transportation Autho	6/6/2014	4/30/2015		\$208,520.00	\$189,622.94	Implement Special Metrolink Service to Ang	\$18,897.06	Yes
MS14008	Orange County Transportation Autho	8/13/2014	5/31/2015		\$601,187.00	\$601,187.00	Implement Clean Fuel Bus Service to Orang	\$0.00	Yes
MS14009	A-Z Bus Sales, Inc.	1/17/2014	12/31/2014	3/31/2015	\$388,000.00	\$388,000.00	Alternative Fuel School Bus Incentive Progra	\$0.00	Yes
MS14039	Waste Management Collection and	7/10/2015	4/9/2016		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Irvine	\$0.00	Yes
MS14040	Waste Management Collection and	7/10/2015	4/9/2016		\$75,000.00	\$75,000.00	Vehicle Maint. Fac. Modifications - Santa An	\$0.00	Yes
MS14047	Southern California Regional Rail Au	3/7/2014	9/30/2014		\$49,203.00	\$32,067.04	Special Metrolink Service to Autoclub Speed	\$17,135.96	Yes
MS14048	BusWest	3/14/2014	12/31/2014	5/31/2015	\$940,850.00	\$847,850.00	Alternative Fuel School Bus Incentive Progra	\$93,000.00	Yes
MS14058	Orange County Transportation Autho	11/7/2014	4/6/2016	4/6/2017	\$1,250,000.00	\$1,250,000.00	Implement Various Signal Synchronization P	\$0.00	Yes
MS14073	Anaheim Transportation Network	1/9/2015	4/30/2017		\$221,312.00	\$221,312.00	Anaheim Resort Circulator Service	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS14087	Orange County Transportation Autho	8/14/2015	4/30/2016		\$239,645.00	\$195,377.88	Implement Special Metrolink Service to Ang	\$44,267.12	Yes
MS14088	Southern California Regional Rail Au	5/7/2015	9/30/2015		\$79,660.00	\$66,351.44	Special Metrolink Service to Autoclub Speed	\$13,308.56	Yes

Closed/Incomplete Contracts

Open/Complete Contracts

Total: 23

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2014-2016 Contracts									
Open Contracts									
ML16005	City of Palm Springs	3/4/2016	10/3/2017		\$40,000.00	\$0.00	Install Bicycle Racks, and Implement Bicycl	\$40,000.00	No
ML16006	City of Cathedral City	4/27/2016	4/26/2022		\$55,000.00	\$0.00	Purchase 1 H.D. Nat. Gas Vehicle, Bicycle	\$55,000.00	No
ML16007	City of Culver City Transportation De	10/6/2015	4/5/2023		\$246,000.00	\$210,000.00	Purchase 7 H.D. Nat. Gas Vehicles, EV Cha	\$36,000.00	No
ML16008	City of Pomona	9/20/2016	11/19/2022		\$310,000.00	\$0.00	Purchase 4 Medium-Duty and 9 Heavy-Duty	\$310,000.00	No
ML16009	City of Fountain Valley	10/6/2015	2/5/2018		\$46,100.00	\$0.00	Install EV Charging Infrastructure	\$46,100.00	No
ML16010	City of Fullerton	10/7/2016	4/6/2023		\$370,500.00	\$0.00	Expand Existing CNG Station, EV Charging I	\$370,500.00	No
ML16013	City of Monterey Park	12/4/2015	7/3/2022	7/3/2023	\$90,000.00	\$0.00	Purchase 3 Heavy-Duty Nat. Gas Vehicles	\$90,000.00	No
ML16016	City of Los Angeles, Department of	2/5/2016	12/4/2022		\$630,000.00	\$0.00	Purchase 21 Heavy-Duty Nat. Gas Vehicles	\$630,000.00	No
ML16017	City of Long Beach	2/5/2016	8/4/2023		\$1,445,400.00	\$809,642.73	Purchase 48 Medium-Duty, 16 H.D. Nat. Ga	\$635,757.27	No
ML16018	City of Hermosa Beach	10/7/2016	1/6/2023		\$29,520.00	\$0.00	Purchase 2 M.D. Nat. Gas Vehicles, Bicycle	\$29,520.00	No
ML16019	City of Los Angeles, Dept of General	1/25/2017	3/24/2020		\$102,955.00	\$0.00	Install EV Charging Infrastructure	\$102,955.00	No
ML16020	City of Pomona	4/1/2016	2/1/2018	8/1/2018	\$440,000.00	\$0.00	Install Road Surface Bicycle Detection Syste	\$440,000.00	No
ML16021	City of Santa Clarita	10/7/2016	6/6/2024		\$49,400.00	\$0.00	Install EV Charging Infrastructure	\$49,400.00	No
ML16022	Los Angeles Department of Water an	5/5/2017	3/4/2024		\$360,000.00	\$0.00	Purchase 13 H.D. Nat. Gas Vehicles	\$360,000.00	No
ML16025	City of South Pasadena	6/22/2016	4/21/2023		\$180,535.00	\$0.00	Purchase 2 H.D. Nat. Gas Vehicles, Expand	\$180,535.00	No
ML16028	City of Azusa	9/9/2016	4/8/2018		\$25,000.00	\$25,000.00	Enhance Existing Class 1 Bikeway	\$0.00	No
ML16032	City of Azusa	9/9/2016	4/8/2019	4/8/2020	\$474,925.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$474,925.00	No
ML16033	Coachella Valley Association of Gov	4/27/2016	4/26/2018		\$250,000.00	\$0.00	Street Sweeping Operations in Coachella Va	\$250,000.00	No
ML16034	City of Riverside	3/11/2016	10/10/2018		\$500,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$500,000.00	No
ML16035	City of Wildomar	4/1/2016	11/1/2017		\$500,000.00	\$0.00	Install Bicycle Lanes	\$500,000.00	No
ML16036	City of Brea	3/4/2016	12/3/2018		\$500,000.00	\$0.00	Install a Class 1 Bikeway	\$500,000.00	No
ML16038	City of Palm Springs	4/1/2016	7/31/2022		\$230,000.00	\$0.00	Install Bicycle Lanes & Purchase 4 Heavy-D	\$230,000.00	No
ML16039	City of Torrance Transit Department	1/6/2017	9/5/2022		\$32,000.00	\$0.00	Install EV Charging Infrastructure	\$32,000.00	No
ML16040	City of Eastvale	1/6/2017	7/5/2022		\$110,000.00	\$0.00	Install EV Charging Infrastructure	\$110,000.00	No
ML16041	City of Moreno Valley	9/3/2016	1/2/2021	1/2/2022	\$20,000.00	\$0.00	Install EV Charging Infrastructure	\$20,000.00	No
ML16042	City of San Dimas	4/1/2016	12/31/2019	12/31/2020	\$55,000.00	\$0.00	Install EV Charging Infrastructure	\$55,000.00	No
ML16045	City of Anaheim	6/22/2016	8/21/2019		\$275,000.00	\$0.00	Maintenance Facility Modifications	\$275,000.00	No
ML16046	City of El Monte	4/1/2016	5/31/2021	5/31/2023	\$20,160.00	\$0.00	Install EV Charging Infrastructure	\$20,160.00	No
ML16047	City of Fontana	1/6/2017	8/5/2019		\$500,000.00	\$0.00	Enhance an Existing Class 1 Bikeway	\$500,000.00	No
ML16048	City of Placentia	3/26/2016	5/25/2021	6/25/2022	\$90,000.00	\$18,655.00	Install a Bicycle Locker and EV Charging Infr	\$71,345.00	No
ML16049	City of Buena Park	4/1/2016	11/30/2018		\$429,262.00	\$0.00	Installation of a Class 1 Bikeway	\$429,262.00	No
ML16052	City of Rancho Cucamonga	9/3/2016	11/2/2019		\$315,576.00	\$0.00	Install Two Class 1 Bikeways	\$315,576.00	No
ML16053	City of Claremont	3/11/2016	7/10/2018		\$498,750.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$498,750.00	No
ML16054	City of Yucaipa	3/26/2016	7/26/2018		\$120,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$120,000.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML16056	City of Ontario	3/23/2016	9/22/2020		\$150,000.00	\$0.00	Expansion of an Existing CNG Station	\$150,000.00	No
ML16057	City of Yucaipa	4/27/2016	1/26/2019		\$380,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$380,000.00	No
ML16058	Los Angeles County Department of P	10/7/2016	4/6/2024		\$491,898.00	\$0.00	Purchase 15 H.D. Nat. Gas Vehicles and Ins	\$491,898.00	No
ML16059	City of Burbank	4/1/2016	2/28/2022		\$180,000.00	\$180,000.00	Purchase 6 H.D. Nat. Gas Vehicles	\$0.00	No
ML16060	City of Cudahy	2/5/2016	10/4/2017		\$73,910.00	\$0.00	Implement an "Open Streets" Event	\$73,910.00	No
ML16064	County of Orange, OC Parks	2/21/2017	10/20/2018		\$204,073.00	\$0.00	Implement "Open Streets" Events with Vario	\$204,073.00	No
ML16066	City of Long Beach Public Works	1/13/2017	9/12/2018		\$75,050.00	\$0.00	Implement an "Open Streets" Event	\$75,050.00	No
ML16068	Riverside County Dept of Public Heal	12/2/2016	8/1/2018		\$171,648.00	\$0.00	Implement an "Open Streets" Events with V	\$171,648.00	No
ML16069	City of West Covina	3/10/2017	6/9/2021		\$54,199.00	\$0.00	Installation of EV Charging Infrastructure	\$54,199.00	No
ML16070	City of Beverly Hills	2/21/2017	6/20/2023		\$90,000.00	\$0.00	Purchase 3 H.D. Nat. Gas Vehicles	\$90,000.00	No
ML16071	City of Highland	5/5/2017	1/4/2020		\$264,500.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$264,500.00	No
ML16072	City of Palm Desert	3/4/2016	1/4/2020	1/3/2022	\$56,000.00	\$56,000.00	Installation of EV Charging Infrastructure	\$0.00	No
ML16074	City of La Verne	7/22/2016	1/21/2023		\$365,000.00	\$0.00	Install CNG Fueling Station	\$365,000.00	No
ML16075	City of San Fernando	10/27/2016	2/26/2019		\$354,000.00	\$0.00	Install a Class 1 Bikeway	\$354,000.00	No
ML16076	City of San Fernando	2/21/2017	8/20/2021		\$100,000.00	\$0.00	Install EV Charging Infrastructure	\$100,000.00	No
ML16078	City of Moreno Valley	5/6/2016	11/5/2017	5/5/2018	\$32,800.00	\$5,569.49	Install Bicycle Infrastructure & Implement Bi	\$27,230.51	No
ML16083	City of El Monte	4/1/2016	4/30/2021	4/30/2023	\$57,210.00	\$0.00	Install EV Charging Infrastructure	\$57,210.00	No
MS16001	Los Angeles County MTA	4/1/2016	4/30/2017		\$1,350,000.00	\$1,042,039.84	Clean Fuel Transit Service to Dodger Stadiu	\$307,960.16	No
MS16004	Mineral LLC	9/4/2015	7/3/2017	1/3/2018	\$27,690.00	\$9,300.00	Design, Develop, Host and Maintain MSRC	\$18,390.00	No
MS16030	The Better World Group	12/19/2015	12/31/2017	12/31/2019	\$256,619.00	\$104,648.69	Programmic Outreach Services to the MSR	\$151,970.31	No
MS16082	Riverside County Transportation Co	9/3/2016	8/2/2018		\$590,759.00	\$209,537.94	Extended Freeway Service Patrols	\$381,221.06	No
MS16084	Transit Systems Unlimited, Inc.	5/6/2016	2/28/2018		\$565,600.00	\$396,930.00	Implement Special Shuttle Service from Uni	\$168,670.00	No
MS16086	San Bernardino County Transportatio	9/3/2016	10/2/2021		\$800,625.00	\$105,038.28	Freeway Service Patrols	\$695,586.72	No
MS16087	Burrtec Waste & Recycling Services,	7/8/2016	3/7/2023		\$100,000.00	\$0.00	Construct New Limited-Access CNG Station	\$100,000.00	No
MS16088	Transit Systems Unlimited, Inc.	5/12/2017	1/11/2023		\$17,000.00	\$15,300.00	Expansion of Existing CNG Station	\$1,700.00	No
MS16090	Los Angeles County MTA	10/27/2016	4/26/2020		\$2,500,000.00	\$0.00	Expansion of the Willowbrook/Rosa Parks Tr	\$2,500,000.00	No
MS16091	San Bernardino County Transportatio	10/7/2016	11/6/2018		\$1,000,000.00	\$0.00	Traffic Signal Synchronization Projects	\$1,000,000.00	No
MS16092	San Bernardino County Transportatio	2/3/2017	1/2/2019		\$250,000.00	\$84,744.00	Implement a Series of "Open Streets" Event	\$165,256.00	No
MS16093	Orange County Transportation Autho	9/3/2016	3/2/2018		\$1,553,657.00	\$0.00	Implement a Mobile Ticketing System	\$1,553,657.00	No
MS16094	Riverside County Transportation Co	1/25/2017	1/24/2022		\$1,909,241.00	\$0.00	MetroLink First Mile/Last Mile Mobility Strate	\$1,909,241.00	No
MS16096	San Bernardino County Transportatio	10/27/2016	12/26/2019		\$450,000.00	\$0.00	EV Charging Infrastructure	\$450,000.00	No
MS16097	Walnut Valley Unified School District	10/7/2016	11/6/2022		\$250,000.00	\$175,000.00	Expand CNG Station & Modify Maintenance	\$75,000.00	No
MS16099	Foothill Transit	3/3/2017	3/31/2017		\$50,000.00	\$0.00	Provide Special Bus Service to the Los Ange	\$50,000.00	No
MS16102	Nasa Services, Inc.	2/21/2017	4/20/2023		\$100,000.00	\$0.00	Construct a Limited-Access CNG Station	\$100,000.00	No
MS16103	Arrow Services, Inc.	2/3/2017	4/2/2023		\$100,000.00	\$90,000.00	Construct a Limited-Access CNG Station	\$10,000.00	No
MS16105	Huntington Beach Union High School	3/3/2017	7/2/2024		\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS16110	City of Riverside	10/6/2017	2/5/2025		\$300,000.00	\$0.00	Expansion of Exisiting CNG Station and Mai	\$300,000.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS16112	Orange County Transportation Autho	4/14/2017	3/13/2024		\$1,470,000.00	\$0.00	Repower Up to 98 Transit Buses	\$1,470,000.00	No
MS16113	Los Angeles County MTA	5/12/2017	4/11/2024		\$1,875,000.00	\$0.00	Repower Up to 125 Transit Buses	\$1,875,000.00	No
MS16114	City of Norwalk	3/3/2017	6/2/2024		\$45,000.00	\$0.00	Repower Up to 3 Transit Buses	\$45,000.00	No
MS16115	City of Santa Monica	4/14/2017	7/13/2025		\$870,000.00	\$0.00	Repower Up to 58 Transit Buses	\$870,000.00	No
MS16117	Omnitrans	4/21/2017	6/20/2023		\$175,000.00	\$166,250.00	Expansion of Existing CNG Infrastructure	\$8,750.00	No
MS16118	Omnitrans	4/21/2017	6/20/2023		\$175,000.00	\$166,250.00	Expansion of Existing CNG Infrastructure	\$8,750.00	No
MS16119	Omnitrans	4/21/2017	8/20/2022		\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS16120	Omnitrans	4/7/2017	5/6/2025		\$945,000.00	\$0.00	Purchase 39 Transit Buses and Repower 24	\$945,000.00	No
MS16121	Long Beach Transit	11/3/2017	4/2/2024		\$600,000.00	\$0.00	Purchase 40 New Transit Buses with Near-Z	\$600,000.00	No

Total: 80

Pending Execution Contracts

ML16067	City of South El Monte				\$73,329.00	\$0.00	Implement an "Open Streets" Event	\$73,329.00	No
ML16077	City of Rialto				\$463,216.00	\$0.00	Pedestrian Access Improvements, Bicycle L	\$463,216.00	No
MS16029	Orange County Transportation Autho				\$851,883.00	\$0.00	Transportation Control Measure Partnership	\$851,883.00	No
MS16106	City of Lawndale				\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS16108	VNG 5703 Gage Avenue, LLC				\$150,000.00	\$0.00	Construct Public-Access CNG Station in Bell	\$150,000.00	No
MS16109	Sanitation Districts of Los Angeles C				\$275,000.00	\$0.00	Expansion of an Existing L/CNG Station	\$275,000.00	No
MS16111	VNG 5703 Gage Avenue, LLC				\$150,000.00	\$0.00	Construct Public Access CNG Station in Pla	\$150,000.00	No

Total: 7

Declined/Cancelled Contracts

ML16014	City of Dana Point				\$153,818.00	\$0.00	Extend an Existing Class 1 Bikeway	\$153,818.00	No
ML16065	City of Temple City				\$500,000.00	\$0.00	Implement a "Complete Streets" Pedestrian	\$500,000.00	No
MS16043	LBA Realty Company LLC				\$100,000.00	\$0.00	Install Limited-Access CNG Station	\$100,000.00	No
MS16080	Riverside County Transportation Co				\$1,200,000.00	\$0.00	Passenger Rail Service for Coachella and St	\$1,200,000.00	No
MS16098	Long Beach Transit				\$198,957.00	\$0.00	Provide Special Bus Service to Stub Hub Ce	\$198,957.00	No
MS16104	City of Perris				\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS16107	Athens Services				\$100,000.00	\$0.00	Construct a Limited-Access CNG Station	\$100,000.00	No

Total: 7

Closed Contracts

ML16015	City of Yorba Linda	3/4/2016	11/3/2017		\$85,000.00	\$85,000.00	Install Bicycle Lanes	\$0.00	No
ML16026	City of Downey	5/6/2016	9/5/2017		\$40,000.00	\$40,000.00	Install EV Charging Infrastructure	\$0.00	No
ML16031	City of Cathedral City	12/19/2015	2/18/2017		\$25,000.00	\$25,000.00	Street Sweeping in Coachella Valley	\$0.00	Yes
ML16051	City of South Pasadena	2/12/2016	1/11/2017	12/11/2017	\$320,000.00	\$258,691.25	Implement "Open Streets" Event with Variou	\$61,308.75	Yes
ML16073	City of Long Beach Public Works	1/13/2017	7/12/2017		\$50,000.00	\$50,000.00	Implement an "Open Streets" Event	\$0.00	Yes
MS16002	Orange County Transportation Autho	10/6/2015	5/31/2016		\$722,266.00	\$703,860.99	Clean Fuel Transit Service to Orange Count	\$18,405.01	Yes
MS16003	Special Olympics World Games Los	10/9/2015	12/30/2015		\$380,304.00	\$380,304.00	Low-Emission Transportation Service for Sp	\$0.00	Yes
MS16085	Southern California Regional Rail Au	3/11/2016	9/30/2016		\$78,033.00	\$64,285.44	Special MetroLink Service to Autoclub Spee	\$13,747.56	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS16089	Orange County Transportation Autho	7/8/2016	4/30/2017		\$128,500.00	\$128,500.00	Implement Special Bus Service to Angel Sta	\$0.00	Yes
MS16095	Orange County Transportation Autho	7/22/2016	5/31/2017		\$694,645.00	\$672,864.35	Implement Special Bus Service to Orange C	\$21,780.65	Yes
MS16100	Southern California Regional Rail Au	5/5/2017	9/30/2017		\$80,455.00	\$66,169.43	Provide Metrolink Service to Autoclub Speed	\$14,285.57	Yes

Total: 11

Open/Complete Contracts

ML16011	City of Claremont	10/6/2015	6/5/2022		\$90,000.00	\$90,000.00	Purchase 3 Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML16012	City of Carson	1/15/2016	10/14/2022		\$60,000.00	\$60,000.00	Purchase 2 Heavy-Duty Nat. Gas Vehicles	\$0.00	Yes
ML16023	City of Banning	12/11/2015	12/10/2021		\$30,000.00	\$30,000.00	Purchase 1 H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16024	City of Azusa	4/27/2016	2/26/2022		\$30,000.00	\$30,000.00	Purchase 1 H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16027	City of Whittier	1/8/2016	11/7/2022		\$30,000.00	\$30,000.00	Purchase 1 H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16037	City of Rancho Cucamonga	2/5/2016	11/4/2022		\$30,000.00	\$30,000.00	Purchase One Heavy-Duty Natural Gas Vehi	\$0.00	Yes
ML16050	City of Westminster	5/6/2016	7/5/2020	5/5/2022	\$115,000.00	\$93,925.19	Installation of EV Charging Infrastructure	\$21,074.81	No
ML16055	City of Ontario	5/6/2016	5/5/2022		\$270,000.00	\$270,000.00	Purchase Nine Heavy-Duty Natural-Gas Veh	\$0.00	Yes
ML16061	City of Murrieta	4/27/2016	1/26/2020		\$11,642.00	\$9,398.36	Installation of EV Charging Infrastructure	\$2,243.64	Yes
ML16062	City of Colton	6/3/2016	7/2/2020		\$25,000.00	\$21,003.82	Installation of EV Charging Infrastructure	\$3,996.18	Yes
ML16063	City of Glendora	3/4/2016	4/3/2022		\$30,000.00	\$30,000.00	Purchase One H.D. Nat. Gas Vehicle	\$0.00	Yes
ML16079	City of Yucaipa	4/1/2016	3/31/2020		\$5,000.00	\$5,000.00	Purchase Electric Lawnmower	\$0.00	Yes
MS16081	EDCO Disposal Corporation	3/4/2016	10/3/2022		\$150,000.00	\$150,000.00	Expansion of Existing Public Access CNG St	\$0.00	Yes
MS16116	Riverside Transit Agency	3/3/2017	1/2/2023		\$10,000.00	\$9,793.00	Repower One Transit Bus	\$207.00	No

Total: 14

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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FY 2016-2018 Contracts

Open Contracts

MS18001	Los Angeles County MTA	6/29/2017	4/30/2018		\$807,945.00	\$0.00	Provide Clean Fuel Transit Service to Dodge	\$807,945.00	No
MS18002	Southern California Association of G	6/9/2017	11/30/2018		\$2,500,000.00	\$0.00	Regional Active Transportation Partnership	\$2,500,000.00	No
MS18003	Geographics	2/21/2017	2/20/2021		\$56,953.00	\$44,688.00	Design, Host and Maintain MSRC Website	\$12,265.00	No
MS18004	Orange County Transportation Autho	8/3/2017	4/30/2019		\$503,272.00	\$0.00	Provide Special Rail Service to Angel Stadiu	\$503,272.00	No
MS18006	Anaheim Transportation Network	10/6/2017	2/28/2020		\$219,564.00	\$0.00	Implement Anaheim Circulator Service	\$219,564.00	No

Total: 5

Pending Execution Contracts

MS18005	Orange County Transportation Autho				\$834,222.00	\$0.00	Clean Fuel Bus Service to OC Fair	\$834,222.00	No
MS18008	Foothill Transit				\$100,000.00	\$0.00	Special Transit Service to LA County Fair	\$100,000.00	No
MS18009	Penske Truck Leasing Co., L.P.				\$82,500.00	\$0.00	Modify Maintenance Facility & Train Technici	\$82,500.00	No
MS18010	Southern California Regional Rail Au				\$351,186.00	\$0.00	Implement Special Metrolink Service to Unio	\$351,186.00	No
MS18011	Southern California Regional Rail Au				\$239,565.00	\$0.00	Special Train Service to Festival of Lights	\$239,565.00	No
MS18012	City of Hermosa Beach				\$36,000.00	\$0.00	Construct New Limited-Access CNG Station	\$36,000.00	No
MS18013	California Energy Commission				\$3,000,000.00	\$0.00	Advise MSRC and Administer Hydrogen Infr	\$3,000,000.00	No
MS18014	Regents of the University of Californi				\$254,795.00	\$0.00	Planning for EV Charging Infrastructure Inve	\$254,795.00	No
MS18015	Southern California Association of G				\$2,000,000.00	\$0.00	Southern California Future Communities Par	\$2,000,000.00	No

Total: 9

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 27

REPORT: Stationary Source Committee

SYNOPSIS: The Stationary Source Committee held a meeting on Friday, January 19, 2018. The following is a summary of the meeting.

RECOMMENDED ACTION:
Receive and file.

Ben Benoit, Chair
Stationary Source Committee

LT:eb

Committee Members

Present: Mayor Ben Benoit/Chair, Dr. Joseph Lyou/Vice Chair, Mayor Pro Tem Judith Mitchell, Supervisor Janice Rutherford (videoconference), Supervisor Nelson (arrived at 11:50 via videoconference), and Supervisor Hilda Solis

Call to Order

Chair Benoit called the meeting to order at 10:30 a.m.

ACTION ITEM:

1. Determine Proposed Amendments to BACT Guidelines Are Exempt from CEQA and Amend BACT Guidelines

Staff provided a presentation of the activities since the last Board-approved update of the BACT Guidelines in December 2016. At the December 2016 Board meeting the Board also directed staff to continue work on updating the BACT Guidelines, reviewing BACT determinations done by other air districts with an emphasis on UV/EB inks and coatings technology and report back to Stationary Source Committee (SSC) by June 2017. Staff presented proposed updates to the BACT Guidelines at the June 2017 SSC meeting and at four public BACT SRC meetings. There have been two 30-day comment periods and staff has addressed comments from 13 comment letters. The proposed updates to the BACT Guidelines include categories of Printing (graphic arts), Food Ovens, Flares (landfill and biogas), Furnace, Boiler, stationary and portable Engines and improvements to the BACT

webpage to make it more informative and user friendly. In addition, the proposed amendments to the BACT Guidelines are to make them consistent with current requirements of SCAQMD rules and regulations, as well as state requirements.

Dr. Lyou asked what the criteria is for determining BACT. Staff stated that for Major Source LAER, it has be commercially available, achieved in practice, and in compliance with air quality permits for at least six months. For Minor Source BACT, it's similar to LAER but we also need to comply with state Health & Safety codes, which include cost effectiveness studies.

Dr. Lyou asked about the proposed LAER/BACT listings in Part B, Section 3 - Emerging Technologies, since they have permits and are achieved in practice, why are they not proposed for LAER in Section 1. Staff replied that further proof of reliability is still needed before they can be moved to Section 1.

Dr. Lyou commented that there needs to be a balance as a listing that is too specific may make it difficult for users to match their equipment category. Staff agreed.

Dr. Lyou asked why the UV/EB ink listing has a 180 g/L VOC limit, when permits are already showing limits of 50 g/L. Staff explained that this BACT determination is for the purpose of including the UV/EB ink as an alternative to other low VOC inks. The lowering of the VOC content will be visited separately. Staff also stated that the UV/EB ink may not suitable for all printing processes, higher limits are needed for process that cannot utilize this technology.

Dr. Laki Tisopulos, Deputy Executive Officer/Engineering & Permitting, added that many of these users are small businesses, so costs must be factored in, and technological neutrality is provided to give other technologies a chance.

Dr. Lyou stated that he understands but would still like to see the overall limit trending lower.

Rita Loof representing Radtech International thanked staff for including UV/EB inks, and stated that the inks can meet the 50 g/L if needed, and they are cost effective. On the subject of screening for new BACT determinations, she stated that the process of the permit engineer sending the latest BACT determinations to the BACT team seem to have slowed down.

Mayor Pro Tem Mitchell asked staff to address the comment regarding a delay in identifying BACT between permitting and the BACT team. Dr. Tisopulos said that staff will work on improving the communication between the two groups.

Bill LaMarr of California Small Business Alliance thanked staff for the work on updating the guidelines. He stated that UV/EB is a niche market; it's a high solvent application and the business needs to have sufficient margin to demand the quality. Mr. LaMarr stated there were no BACT SRC meetings for ten years and he hopes this group will continue to meet.

David Rothbart, representing Southern California Alliance of Publicly Owned Treatment Works (SCAP), thanked staff for their work in updating the BACT Guidelines. He stated that staff is making progress and much more work needs to be done. He hopes that the BACT guidelines will reach a point where the user can click on the equipment listed and get specific instructions.

Harvey Eder of the Public Solar Power Coalition stated he provided a study to staff a year ago comparing solar technology to other technologies, and asked why solar technology was not included in BACT. He stated that fuel combustion emits PM and ultrafines that goes directly to the lungs. He said that more cities should have performed solar conversions by now. Mr. Eder has provided staff with studies on solar conversion and energy strategies.

Moved by Lyou; seconded by Mitchell; unanimously approved.

Ayes: Benoit, Lyou, Mitchell, Rutherford, Solis

Noes: None

Absent: Nelson

INFORMATIONAL ITEMS:

2. Proposed Amendments to Rule 1111 – Reduction of NO_x Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces

Tracy Goss, Planning and Rules Manager/Planning, Rule Development and Area Sources, presented a summary of the proposed rule, a proposed companion rebate program, and stakeholders' comments and key issues. This was an update to the proposal presented to the November 17, 2017 SSC meeting.

Dr. Lyou asked if there will be more certified compliant units. Staff informed that additional certifications for high efficiency units are expected in the next few months. In addition, there are a few more manufacturers intending to have compliant non-condensing units by October 1, 2018.

Dr. Lyou stated that Board Members received a letter from a distributor stating that a particular manufacturer that they distribute units for would not have compliant units. Staff responded that the proposal addresses the concern by extending the mitigation fee option. With regards to sell-through of existing inventory, distributors would be able to plan with their manufacturer based on the extended mitigation fee period.

Supervisor Solis asked for clarification of the proposal related to low income consumers and commented that smaller units are not equivalent to low income consumers, and suggested that staff could seek some more targeted solutions for low income consumers.

Mr. Mark Woodruff of Ingersoll Rand commented that Ingersoll Rand expects to seek certification for compliant products in the near future. The company supports

the proposal giving manufacturers more time to comply. Ingersoll Rand requested: (1) aligning the start time of the rebate program with the mitigation fee increase effective time; and (2) providing a longer sell-through period for distributors' inventory.

Mr. Dave Winningham of Lennox distributed handouts to the committee and stated that Lennox will have compliant products by the current compliant dates. Mr. Winningham commented that the current proposal would negatively impact emission reductions and that low income areas actually need extra emission reductions. He noted that there are currently a number of programs through CARB, CEC and other to help low income consumers.

Mr. Jeff Winter of Howard Industries (local distributor) commented that Lennox models are too expensive for the majority of consumers. Mr. Winter requested that distributors be given more time to move inventory and that the rebate program should start later, with the fee increase.

Mr. Ryan Teschner of Rheem stated that his company has certified non-condensing products for low end users and will be in the market by the current compliance date. Mr. Teschner commented that: (1) Rheem does not support any further changes to the proposal; (2) the fee increase effective date for condensing furnaces on April 1, 2018 would be too soon; (3) the tiered approach was too complex for contractors to understand; and (4) they had concerns about propane furnaces.

Mr. Nathan Walker of Goodman commented that Goodman supports the current proposal and manufacturers could find ways to adapt to the complexity of the tiered approach.

Mr. Daniel McGivney of Southern California Gas Company appreciated staff working with stakeholders developing the proposal.

Mr. Harvey Eder of the Public Solar Power Coalition voiced caution of backsliding from BACT, and also advocated for a low income solar program.

Dr. Lyou asked about emissions forgone and the SIP. Staff responded that the currently collected fee is dedicated to mitigate the forgone emissions, which are part of the fund for a RFP that was recently released. With regards to the SIP, there are some emissions foregone. The main reason for the emissions forgone was that the compliant products were not available.

Mayor Pro Tem Mitchell asked for staff's comment on the concerns raised on the tiered approach being too complex for contractors, a sell through provision, and propane furnaces. The mitigation fee collection would be placed on the manufacturers, while the contractors would only see the current mitigation fee. It is expected that once the mitigation fee is established for the different tiers, the regulated community can make the proper adjustments. The tiered mitigation fee is similar to the San Joaquin Valley Air Pollution Control District. With regards to the sell though provision, the mitigation fee extension allows additional time for

manufacturers and distributors to reduce their inventories. For propane furnace, the purpose of the proposal was to prevent circumvention by selling a propane furnace and using a conversion kit to convert to a non-compliant natural gas furnace. Staff is still working for a better solution, which could be through rule language, enforcement, or labeling.

Supervisor Solis left the meeting at approximately 11:20 a.m.

3. Proposed Rule 120 – Credible Evidence

Due to time constraints, this item was deferred to the February meeting.

4. Proposed Rule 408 – Circumvention

Due to time constraints, this item was deferred to the February meeting.

5. Update on the Assessment of tertiary-Butyl Acetate (tBAc)

Heather Farr, Program Supervisor/Planning, Rule Development, and Area Sources, presented an update on the final findings of the Scientific Review Panel's assessment of tBAc's cancer potency factor (CPF), the final CPF from the Office of Environmental Health Hazard Assessment (OEHHA), and the determination that tBAc is a carcinogen. The regulatory status of other exempt compounds, para-Chlorobenzotrifluoride (pCBtF) and methylene chloride, were also discussed. The staff recommendations were to remove the existing tBAc exemptions in Rules 1113 and 1151, request that OEHHA assess pCBtF, and more forward to evaluate a potential methylene chloride phase out or restriction.

Dave Darling with the American Coatings Association opposes the removal of the exemption because it will have an adverse impact on the coatings industry. He states that the staff estimates of tBAc usage are too low for Rules 1113 and 1151. He offered to help provide inventory numbers from the manufacturers and expressed that a great deal of time has already been put into reformulating coatings, which takes three years to complete. He expressed concern that there would be stranded products and highlighted that the removal of pCBtF and tBAc would be devastating to the industry and there may be no products available.

Mayor Pro Tem Mitchell expressed concern that no replacement products would be available if the VOC exemption is removed for tBAc and pCBtF. Ms. Farr responded that 90 percent of the coatings available in our jurisdiction are water-based coatings, but reformulation would be addressed in the rulemaking process.

Dr. Lyou asked staff to confirm the inventory and stated that if it is not significant, then the removal should not have much of an impact. He stated that the pathway that staff identified was defensible and suggested that staff request OEHHA look into pCBtF toxicity.

Supervisor Nelson joined the meeting [at 11:50 a.m.] while this item was in progress.

6. Status Report on Reg. XIII – New Source Review

Dr. Tisopulos waved the presentation and stated that it was a standard report. SCAQMD is in equivalency with the federal New Source Review program.

WRITTEN REPORTS:

7. Home Rule Advisory Group – November 2017 Meeting Minutes and the 2017 Accomplishments and 2018 Goals & Objectives

The report was acknowledged by the Committee.

8. Notice of Violation Penalty Summary

The report was acknowledged by the Committee.

9. Twelve-month and Three-month Rolling Price of RTCs for Compliance Years 2017 and 2018

The report was acknowledged by the Committee.

OTHER MATTERS:

10. Other Business

There was no other business.

11. Public Comment Period

Mr. Harvey Eder stated that there needs to be a toxicology study on natural gas, pre- and post- combustion for all toxics, including ultrafine PM. Dr. Lyou asked Mr. Nastri to have Health Effects Officer Dr. Jo Kay Ghosh look at literature on natural gas to see if there is any information on ultrafine particles.

12. Next Meeting Date

The next regular Stationary Source Committee meeting is scheduled for Friday, February 16, 2018.

Adjournment

The meeting was adjourned at 12:00 p.m.

Attachments

1. Attendance Record
2. Home Rule Advisory Group – Bi-Monthly Report for November 2017 Meeting Minutes and the 2017 Accomplishments and 2018 Goals & Objectives Notice of
3. Notice of Violation Penalty Summary
4. Twelve-month and Three-month Rolling Price of RTCs for Compliance Years 2017 and 2018

ATTACHMENT 1

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT STATIONARY SOURCE COMMITTEE

Attendance – January 19, 2018

Mayor Ben Benoit	SCAQMD Governing Board
Dr. Joseph Lyou.....	SCAQMD Governing Board
Mayor Pro Tem Judith Mitchell	SCAQMD Governing Board
Supervisor Shawn Nelson (Videoconference).....	SCAQMD Governing Board
Supervisor Janice Rutherford (Videoconference)	SCAQMD Governing Board
Supervisor Hilda L. Solis	SCAQMD Governing Board
David Czamanske	Board Consultant (Cacciotti)
Ron Ketcham	Board Consultant (McCallon)
Dave Darling	American Coatings Association
Marnie Dorsz	MAQS
Harvey Eder.....	Public Solar Power Coalition
Bill LaMarr	California Small Business Alliance
Rita Loof.....	RadTech
Daniel McGivney	SoCalGas
David Rothbart	L.A. County Sanitation Districts
David Stephens	Johnson Controls
Ryan Teschner	Rheem
Nathan Walker.....	Goodman
Peter Whitingham.....	WPAA
Dave Winningham.....	Lennox
Jeff Winter	Howard Industries
Mark Woodruff.....	Ingersoll Rand
Al Baez	SCAQMD staff
Barbara Baird.....	SCAQMD staff
Heather Farr	SCAQMD staff
Philip Fine	SCAQMD staff
Bayron Gilchrist	SCAQMD staff
Tracy Goss.....	SCAQMD staff
Susan Nakamura	SCAQMD staff
Wayne Nastri	SCAQMD staff
Laki Tisopulos	SCAQMD staff
Kurt Weise.....	SCAQMD staff
Jill Whynot	SCAQMD staff
Bill Wong	SCAQMD staff



**South Coast
Air Quality Management District**
21865 Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • www.aqmd.gov

**HOME RULE ADVISORY GROUP
Wednesday, November 8, 2017
MEETING MINUTES**

CHAIR:

Dr. Joseph Lyou, Governing Board member

MEMBERS PRESENT:

Curt Coleman (Southern California Air Quality Alliance); Michael Downs (Downs Energy);-Jaclyn Ferlita (Air Quality Consultants); Bill LaMarr (California Small Business Alliance); Lauren Nevitt (Southern California Gas); Kristen Torres Pawling (County of Los Angeles, Chief Sustainability Office); Terry Roberts (American Lung Association of California); David Rothbart (Los Angeles County Sanitation District); and TyRon Turner (Dakota Communications).

The following members participated by conference call: Rongsheng Luo (SCAG) and Janet Whittick (California Council for Environmental & Economic Balance).

MEMBERS ABSENT:

Micah Ali (Compton Unified School District Board of Trustees); Mike Carroll (Regulatory Flexibility Group); Nan Harrold (Orange County Waste & Recycling); Art Montez (AMA International); Penny Newman (Center for Community Action and Environmental Justice); Larry Rubio (Riverside Transit Agency); Larry Smith (Cal Portland Cement); and Amy Zimpfer (EPA).

OTHER ATTENDEES:

Mark Abramowitz (Board Consultant to Dr. Lyou); Charlene Contreras (Los Angeles County Department of Public Health); Johnny Raymond (CARB); and Weinke Tax (EPA).

SCAQMD STAFF:

Philip Fine	Deputy Executive Officer
Sarah Rees	Assistant Deputy Executive Officer
William Wong	Principal Deputy District Counsel
Philip Crabbe	Community Relations Manager
Pedro Piqueras	Air Quality Specialist
Ann Scagliola	Administrative Secretary

OPENING COMMENTS AND SELF-INTRODUCTIONS

The meeting was called to order at 10:00 a.m. by Dr. Joseph Lyou (Chairman).

APPROVAL OF SEPTEMBER 2017 MEETING MINUTES

Dr. Lyou asked for comments on the September 13, 2017 meeting minutes. Bill LaMarr inquired if Matt Miyasato was advised of the Tribal DERA funding. Dr. Fine responded that he spoke with Dr. Miyasato about this. Mr. LaMarr also requested clarification on the Rule 1466 presentation

summary (page 5), and the word provided was deleted. Mr. LaMarr requested further clarification on the Report to and from Stationary Source Committee discussion (page 7), as to which Committee was being referenced. Dr. Lyou indicated that the discussion was for the Stationary Source Committee. Once the correction and clarifications were provided, the meeting minutes were approved and finalized.

EPA AND FEDERAL ACTIVITIES

Weinke Tax-provided an update on recent U.S. Environmental Protection Agency (EPA) and federal activities.

National Updates

- There is no political appointee yet for Region 9 Regional Administrator;
- Bill Wehrum was nominated as EPA Assistant Administrator for the Office of Air and Radiation and the vote is scheduled for November 9, 2017; and
- On November 6, 2017, there were some initial designations for attainment areas for the national ambient air quality standard (NAAQS) for ozone. Fact sheets are available.

Air Planning and Rulemaking

- On September 14, 2017, there was a final approval of the most recent set of RECLAIM rules. This allowed EPA, in combination with another submittal from South Coast Air Quality Management District (SCAQMD), on September 20, 2017 to publish a final approval of the 2008 Ozone RACT SIP. On October 10, 2017 there was a proposed approval of the RACM/RACT demonstration for 2006 Moderate Area PM2.5 Plan. Also signed was an interim final notice to defer sanctions with a comment period end date of November 9, 2017; and
- On October 23, 2017, a completeness letter was issued for SCAQMD and Coachella Valley VMT offset and for SCAQMD refuels for boilers. This action turned off the sanctions clock related to failure to submit.

Air Permitting

- On September 25, 2017, a synthetic minor permit was issued for the San Manuel Casino under the Tribal Minor New Source Review Program; and
- On June 20, 2017; EPA concluded that Federal PFC permitting revisions do not apply to the Tesoro Los Angeles Refinery integration and compliance project.

Grants

- There were six DERA competitive grants awarded in the Fall of 2017;
- Tribal DERA Program request for proposal period will close on January 18, 2018; and
- Targeted Air Shed Grants request for proposal period closed on October 18, 2017.

Technology and Toxics

- Media event on November 8, 2017 for the Siemens ehighway demo project;
- San Joaquin co-hosted an electric truck refrigeration unit demonstration project on October 11, 2017;
- EPA is working with state and federal partners in California, Oregon and Washington to facilitate alternate fuel infrastructure planning and deployment to support low and zero emission medium and heavy duty fleet operations; and
- EPA's National Air Toxics Assessment is scheduled to be released during the summer of 2018.

Discussion

Rongsheng Luo inquired if any comments were received on the actions for the exemptions. Weinke Tax indicated that four comments were received.

Dr. Lyou inquired if SCAQMD is good for the immediate future on sanction clock issues. Weinke Tax replied that there are still a few remaining NSR issues related to ozone, but EPA is working closely with SCAQMD and CARB to resolve.

AB 617 IMPLEMENTATION

Karen Magliano and Dr. Philip Fine provided presentations regarding AB 617 implementation for CARB and SCAQMD.

Discussion

Bill LaMarr commented that 99.2 percent of the businesses in California are small businesses, these businesses employ members of the community and the business owners usually live within the community. Mr. LaMarr suggested that CARB include the small business community in meetings with business organizations and groups, for what they can offer. Ms. Magliano indicated that in initial meetings community members expressed these concerns and that while incentive funding in the initial round is mainly focused on the Carl Moyer Program, when they get into the communities there may be financial assistance needed for emission reduction costs. Dr. Fine added that the legislation and discussions for working and advisory groups will include industry and business representatives.

Janet Whittick asked if the working groups would be formed before or after the concept paper, and if after what is the best way to scope out the initial concept. Ms. Magliano indicated that the working or advisory groups would be formed before the concept paper.

David Rothbart inquired about the coordination between CARB and the air districts, specifically the potential overlap in requirements and if there were discussions on where there could be duplicative regulations. Ms. Magliano indicated that inter-agency discussions have already started, specifically on emissions reporting, and to avoid dual reporting systems.

Kristen Pawling commented that she had invited Charlene Contreras from the Los Angeles Public Health Department to the meeting to address prior comments made regarding the role of the Public Health Department, to share the work that the Public Health Department is involved on environmental justice issues and the desire to build a bridge with Los Angeles County on AB 617 issues and to encourage the District to do the same. Charlene Contreras, Environmental Health Services Manager, introduced herself and expressed that the Los Angeles County Department of Public Health Board has a priority of environmental health oversight to engage in environmental justice efforts. Ms. Contreras also indicated that there are communities that have already been targeted for risk reductions and expressed appreciation for the approach and the willingness by CARB and SCAQMD to work with local initiatives and to possibly leverage some of the work that they are already doing.

Dr. Lyou asked Ms. Contreras if she was aware of the motion being brought forward by Supervisors Hahn and Barger to explore the enforcement authority of the Department of Public Health. He also explained that the Health and Safety Code which indicates that local agencies can adopt more stringent, non-vehicular standards, and then offered the assistance of the SCAQMD legal counsel. Curt Coleman indicated that the motion does state that the District staff is supposed to provide assistance, if the Department of Public Health lacks the technical expertise.

Lauren Nevitt commented that the stakeholders are not aware how quickly that implementation will happen, it would be helpful to focus people on the timeframe and the community identification process. Ms. Nevitt also inquired if there is criteria on how the community will be selected, and the nomination process. Dr. Fine replied that this is an active point of discussion with the agencies working groups.

Lauren Nevitt indicated that a pressure point is the funding. Dr. Fine replied that there is a strong desire by all the districts to get the money out quickly and there are active discussions on how to do this.

Dr. Lyou inquired where the funds would come from since separate sources of funds were appropriated and the \$250M seems to be appropriated directly to the districts, not through the Air Resources Board. Ms. Magliano said that the \$250M and the \$27M were appropriated by the legislature through slightly different funding mechanisms and both would come through CARB first and then they would be allocated out to the air districts. Ms. Magliano further indicated that CARB will continue to work with CAPCOA and the air districts to expedite the distribution process.

Bill LaMarr inquired about the additional personnel needed at CARB and the District. Ms. Magliano indicated around 72 full time employees (FTEs) for CARB, some of which would be intermittent. Dr. Fine added that it could be anywhere from 20 to 30 new FTEs for SCAQMD, which does not take into account the funding budget for future years. Mr. LaMarr also expressed, with funding for only one year, are there discussions for an increase in fees or charges to individual businesses for the additional mandated services. Dr. Fine commented that initially legislators considered for regulated entities to cover the related costs, but the District continues to explore cost recovery mechanisms and at this time nothing has been finalized. Mr. LaMarr further commented that the funding has to come from somewhere. Dr. Lyou encouraged Mr. LaMarr to bring this topic up at the next Budget Workshop.

David Rothbart inquired about the regulation framework which would determine who is responsible for doing what, the levels of responsibility and whether it will be reviewed as part of the public review process. Dr. Fine indicated that CARBs obligation is to create a statewide framework on how districts would develop their community reduction plans and there will be some flexibility on how a community reduction plan would be implemented. Dr. Fine further explained how mobile sources are the primary toxic risk where strategy assistance will be needed. Ms. Magliano added that if you look at the federal Clean Air Act where EPA sets out broad requirements, benchmarks, and there are the state and local development and review, within California there will be a similar review concept with a focus on the challenges in specific communities.

Lauren Nevitt inquired if the Clean Communities Plan would be a possible blueprint model and if other air districts have made similar efforts. Dr. Fine indicated that the Bay Area has made similar efforts and that the Clean Communities Plan would be a good model for SCAQMD for community outreach, identification of specific air quality issues and the coordination with other entities. Dr. Fine further clarified that the AB 617 implementation process will be more formal, similar to mini-Air Quality Management Plans.

Bill LaMarr commented that Clean Communities Plan did involve business representatives and it also helped identify many unpermitted sources within communities, which were good features.

Janet Whittick inquired if the districts were going to nominate and prioritize within regions and would CARB look to prioritize statewide or within the regions. Ms. Magliano indicated that it would ultimately be a little of both.

Rongsheng Luo asked if CARB planned to develop guidelines on AB 617 implementation. Ms. Magliano expressed that there will be guidelines within the statewide and monitoring strategies. Mr. Luo also inquired if the \$250M is only for mobile sources or will stationary sources be included. Ms. Magliano indicated the first round is statutorily focused on Moyer and Proposition 1B, but going forward there is the possibility that the incentive funding would be expanded. Dr. Fine commented that the District is working towards identifying available funding to put together a package on stationary source incentive funding. Mr. Luo further inquired how AB 617 relates to the implementation of the 2016 AQMP, specifically in terms of the SIP credits and how it relates to the facility-based measures. Dr. Fine indicated there are some overlaps in the incentives with a community geographical focus and on the regulatory side it is less clear on how this will tie together, since there could be regulations at the state or local level that may help achieve AQMP goals.

Dr. Lyou expressed the following thoughts, ideas and considerations.

- For the BARCT and BACT requirements, this is an opportunity for businesses to be recognized for their retro-fit technology, and we should point this out the good actors to the communities.
- In terms of timing, it seems communities may not be identified by the time that the money needs to be spent. *Dr. Fine indicated for the long term this is true, but there are on-going discussions for the first round to identify communities impacted by mobile sources, staff would then work with CARB to get that money out quicker.*
- Some communities may feel like they are being left behind and we need to take a long view of this, because it will take time to get to all of the communities that we think are deserving.
- Everyone needs to recognize that this is not happening overnight and it may take a longer period of time to get the focused attention that the first identified communities will be getting.
- You need to already have some degree of community engagement for those being considered and familiarity to what is going on.
- As we have seen with the Clean Communities Program, it is very difficult to start from building and supporting a community to capacity, get them up to speed and being engaged, and for them to stay engaged over time.
- There are many communities who are very deserving and are already well organized and already engaged, and we want to take advantage of those communities.
- We need to make sure that we get going on this as soon as possible and we also need to consider what the existing community capacity engagement is. *Dr. Fine indicated that this is one of the criteria that CARB has on their preliminary list.*
- Could the analytical and data system used in the Torrance area for refineries be used for other communities? *Dr. Fine indicated that this was a possibility, since this is the platform that we are already using for our data management systems.*
- We should also make sure that other people can access the data, because this could result in cost savings. *Dr. Fine indicated that we would like to have one system that collects the data from the Basin, that CARB can have access to and possibly a statewide website that people can choose what community data they want to look at.*
- To achieve SIP credit and emission reductions is the objective.
- We have to appreciate that some of the data will be qualitative and will be difficult, but we need to know that there are benefits.
- We should measure, track and quantify what we can, but also not be afraid to pursue things that we inherently know will lead to qualitatively better situations for the communities.

Kristen Pawling commented that she could extend invitations to the Local Governments for the County and City of Los Angeles Planning Departments to possibly attend a future meeting to update members on jurisdictions where future discussions may be needed on land use. Dr. Lyou indicated that even though this is not explicit in AB 617, this is something that should be addressed.

CARB REGULATORY ACTIVITIES

Johnnie Raymond provided a report on the following items scheduled to go before CARB's Board in November 2017.

- Approval of the 2016 Ozone SIP for the Sacramento nonattainment region;
- Approval of the Chico PM2.5 Maintenance Plan;
- Proposed Fiscal Year 2017-18 Funding Plan for low carbon transportation investments and the Air Quality Improvement Plan; and
- Proposed amendments to the Statewide Portable Equipment Registration Program regulation and the airborne toxic control measures for diesel-fueled portable engines.

Additional Related Efforts

- Environmental Justice Advisory Committee meeting on November 13, 2017, to form recommendations to the AB 32 Scoping Plan;
- Public Meeting on November 14, 2017, to discuss air quality monitoring in neighborhoods near oil and gas facilities
- AB 617 San Diego community meeting on November 28, 2017, to discuss freight activities.

Discussion

Kristen Torres Pawling reported that the SB 375 update is being delayed and will not go before CARB's Board in November.

LEGISLATIVE UPDATE

Philip Crabbe provided a recap of the October 13, 2017 Legislative Committee meeting.

Federal Legislative Issues

SCAQMD's federal legislative consultants each provided a written report on various key Washington, D.C. issues. Copies of those are available as part of the Legislative Committee package. The consultants also provided verbal updates.

With regard to possible future infrastructure legislation, it was stated that President Trump could potentially be amenable to putting more federal money into the package. However, the public focus is on tax reform right now, but infrastructure will likely be the next big thing after that, either later this year or early next year.

Also, the EPA has come out with a repeal notice on the Clean Power Plan from the Obama Administration. While this action was not unexpected, the EPA is taking a different approach to what the Clean Air Act allows and what the authority is with regard to regulating power plants. The EPA adjusted the cost-benefit analysis, which was a major announcement in Washington, D.C.

It was also reported that the Department of Energy released a proposal which would potentially provide the ability to charge higher rates for energy generation from coal and nuclear facilities. It was stated that this proposal is in the form of a petition before the Federal Energy Regulatory Commission (FERC) and is not legislative. It is believed that this would put at a disadvantage any type of energy developers other than that for coal and nuclear. Further, there are tight timelines on

this proposal. The proposal's potential impacts to the energy market would be very significant. However, predicting the outcome of this highly unusual proposal is very difficult.

Also, the Senate Appropriations Committee announced that its markup of the interior appropriations bill which oversees the EPA budget will occur soon. The U.S. House of Representatives (House) has completed its appropriations work and is waiting for the Senate's version of the bill. The Congressional session runs through December 8, 2017. However, there is talk by Congressional leadership that Congress may stay in session until Christmas in an effort to get a tax bill completed.

In October 2017, there was staff trip to Washington, D.C. to visit the Vice President's office as well as Congressional members' offices, for discussions on the glider kit issue, truck retrofit rules, DERA reauthorization and the effort to add clean air funding to any future infrastructure legislation.

State Legislative Issues

SCAQMD's state legislative consultants provided written reports along with verbal updates at the meeting.

It was stated that the Legislature adjourned on September 15, 2017, but not before sending Governor Brown over 1,300 bills for consideration. The Governor had until October 15, 2017, to take action on those bills.

At the committee a Summary End-of-Year Report on State Legislature's and Governor's Action on 2017 Legislation was presented.

Philip Crabbe stated that both bills sponsored by SCAQMD, AB 1274 and AB 1132, passed the Legislature and were signed by Governor Brown. AB 1274, by Assembly Member O'Donnell, will redirect funds to the Carl Moyer Program, including about \$30 million per year that will benefit the South Coast region starting in 2019, and there is no sunset date on this funding source. Mr. Crabbe further explained that AB 1132, by Assembly Member Cristina Garcia, creates a critical new tool that will help protect disadvantaged communities from serious toxic emissions.

Further, the cap-and-trade program was extended until 2030 by AB 398, authored by Assemblyman Eduardo Garcia. The bill aims to meet greenhouse gas reduction targets of 40 percent below 1990 levels by 2030 and has already begun to reaffirm the cap-and-trade auction process to ensure that future GGRF funding will be generated in the coming years.

The committee was also updated on two budget trailer bills, AB 109 and AB 134, which allocated \$1.5 billion in GGRF monies. From AB 109, SCAQMD will receive a portion of \$27 million made available statewide to local air districts to fund initial implementation of the new duties and responsibilities mandated by AB 617 for the first year; from AB 134, the South Coast region will receive \$107.5 million of increased Carl Moyer funding.

Philip Crabbe noted that AB 134 also provides \$645 million in additional statewide funding, including: \$180 million for Hybrid and Zero-Emission Truck and Bus Voucher Incentive Program; \$140 million for the Clean Vehicle Rebate Program for rebates for light-duty vehicles; \$140 million for equipment and improvements at ports; \$100 million for the Enhanced Fleet Modernization Program and \$85 million for reducing agricultural emissions through agricultural equipment, heavy-duty truck and tractor retrofit and replacement. In addition, SB 132, provided \$50 million for a competitive zero and near-zero emission warehouse program.

Other Bills of Interest

AB 615 (Cooper), was signed into law. AB 615 extended the income caps for the Clean Vehicle Rebate Project.

AB 739 (Chau), signed by the Governor, would require at least 15 percent of heavy-duty vehicles purchased by state agencies to be zero-emission beginning in 2025, and at least 30 percent of those vehicles to be ZEV beginning in 2030.

AB 1647 (Muratsuchi) which was discussed previously and deals with monitoring at and around refineries, was signed into law and will affect SCAQMD's Proposed Rule 1180.

The Legislative Committee also considered H.R. 3682 (Lowenthal) Blue Whales and Blue Skies Act. This bill calls on the National Oceanic and Atmospheric Administration's (NOAA) Office of National Marine Sanctuaries to establish annual Blue Whales and Blue Skies Excellence Awards to recognize shipping companies for voluntarily reducing speeds in the Santa Barbara Channel region below 12 knots, or for participating in the Port of Los Angeles' or Port of Long Beach's voluntary vessel speed reduction programs. The goal of the bill is to reduce both air pollution emissions and the risk of fatal ship strikes on whales. Within the next four years, NOAA would assess the feasibility of extending the voluntary program to encompass all shipping channels along the U.S. Pacific Coast between Canada and Mexico. If the program were to be extended to all shipping channels along the Pacific coast, it would help reduce NOx emissions within the South Coast region. Staff recommended a position of SUPPORT on this bill. However, the Legislative Committee made a recommendation to not support this bill.

UPDATE REGARDING LITIGATION ITEMS AND RELATED EPA ACTIONS

William Wong proved an update to the litigation status report handout.

- Case #9 – There was a tentative decision, however the decision is not final.

SUBCOMMITTEE STATUS REPORTS

A. Freight Sustainability (Dan McGivney)

Lauren Nevitt provided updates on the following items.

- The San Pedro Bay Port Draft Clean Air Action Plan (CAAP) was adopted November 2, 2017;
- The new heavy-duty 12 liter Cummins engine will be available in 2018; and
- The draft California Rail Plan was released for public review on October 11, 2017 and the comment end date is December 11, 2017, upcoming workshops will be held in San Bernardino and Los Angeles.

B. Small Business Considerations (Bill LaMarr)

Bill LaMarr provided a summary of the following Small Business Considerations Subcommittee activities.

- Participated in working group meetings for RECLAIM, Rule 1469 and AQMP Funding;
- Arranged a demonstration/walk-through for the Korean and California Cleaner Associations on the District's new epermit online application process.

C. Environmental Justice (Curt Coleman)

There was no report.

D. Climate Change (David Rothbart)

David Rothbart reported that CARB released the latest draft of the 2017 Climate Change Scoping Plan in October 2017, which will then go to the CARB Board at their December 14, 2017 meeting.

REPORT FROM AND TO THE STATIONARY SOURCE COMMITTEE

Dr. Philip Fine provided a recap of items from the October meeting and on the November 2017 agenda.

October

- Update report on the permit backlog and automation efforts;
- Updates on proposed amendments to Rules 1466 and 1180;
- Removal of 1148.3 from the agenda;
- Quarterly report on the RECLAIM; and
- Update on tBac white paper.

November

- Action Item – proposed amendments to Rule 1111 and issuance of RFP for Consumer Rebate Program for compliant natural gas-fired, fan-type central furnaces; and
- Updates on proposed amendments to Rules 1111, 2001, 2002 and 1469.

Discussion

Dr. Lyou commented that CARB is working with the San Joaquin Valley Air Pollution Control District on their PM2.5 SIP submission, for commitments on under-fired charbroilers. Staff indicated that they have noted this and there are on-going efforts with the College of Engineering, Center for Environmental Research and Technology (CE-CERT) to locate additional cost-effective controls.

APPROVAL OF THE 2018 HOME RULE ADVISORY SCHEDULE

The Home Rule Advisory Group confirmed and Dr. Lyou approved the following meeting schedule for 2018.

January 10	May 9	September 12
March 14	July 11	November 14

Note: All meetings are scheduled to begin at 10:00 a.m. and will be held in Conference Room CC-8.

2017 ACCOMPLISHMENTS AND 2018 GOALS & OBJECTIVES

Dr. Lyou requested any recommendations or changes for the provided Home Rule Advisory Group 2017 Accomplishments and the 2018 Goals and Objectives.

Discussion

Bill LaMarr commented that not all of the submitted 2017 Small Business Considerations accomplishments were included. Staff assured Mr. LaMarr that the report is in draft format and all submitted accomplishments will be included.

OTHER BUSINESS

There were no comments.

PUBLIC COMMENT

There were no comments.

ADJOURNMENT

The meeting was adjourned at 12:08 p.m. The next meeting of the Home Rule Advisory Group is scheduled for 10:00 a.m. on January 10, 2018, and will be held at SCAQMD in Conference Room CC-8.



SCAQMD AB 617 Implementation

HOME RULE ADVISORY GROUP

NOVEMBER 8, 2017

Key Components of AB 617

2

Monitoring

- Identification of Communities
- Statewide Monitoring Plan
- District and Community operated networks
- Statewide data display

Community Emission Reduction Plans

- Identification of Communities
- Statewide Strategy
- District Community Emission Reduction Plans
- State and District emission reduction strategies

Best Available Retrofit Control Technology

- Development of Statewide BACT/BARCT Clearinghouse
- Develop mechanisms to input new determinations
- Implement BARCT

Emissions Reporting

- Uniform Statewide Reporting
- Statewide Pollution Mapping Tool

Timing

3

Monitoring

- Monitoring Plan by October **2018**
- Deploy networks in identified communities by July **2019**
- updated January every year thereafter

Community Emission Reduction Plans

- Identification of Communities by October **2018**
- Statewide Strategy by October **2018**
- District Community Emission Reduction Plans by October **2019**
- updated every 5 years

Best Available Retrofit Control Technology

- Development of Statewide BACT/BARCT Clearinghouse
- District schedule for BARCT by end of **2018**
- Implement BARCT by end of **2023**

Emissions Reporting

- No timelines in statute, but anticipated actions by **2019**

Key Implementation Issues for SCAQMD

- ▶ Funding
 - ▶ \$27 million statewide for AB617 Implementation
 - ▶ \$250 million statewide for mobile source emission reduction
- ▶ Staffing
 - ▶ Monitoring
 - ▶ Community Emission Reduction Plans
 - ▶ BARCT rules and implementation
 - ▶ Emission Inventory, BARCT, and BACT work with CARB
- ▶ Timing and Deadlines
 - ▶ Very challenging in every case

Current SCAQMD Approach

5

- ▶ Close Coordination with CARB
 - ▶ High level meetings and ongoing staff Working Groups for topic areas
 - ▶ Funding, roles, outreach, timing, guidance documents, clearing house, etc.
- ▶ Utilize existing SCAQMD resources and experience to the maximum extent possible
- ▶ SCAQMD recommending a nomination process for communities through a public process
- ▶ Continue expedited schedule for BARCT rules and RECLAIM sunset
- ▶ Avoid double reporting of emissions to SCAQMD and CARB
- ▶ Continue to assess expected workload and resource needs
- ▶ Access funding ASAP for timely implementation
- ▶ Early action successes make case for continued funding
- ▶ Need to begin hiring process and start work immediately



Update on AB 617

Community Air Protection Program



Delivering on AB 617 Goals

- Collaborative process involving CARB, air districts, and community representatives
- Clear goals and timelines for action
- Accountability and metrics for tracking progress
- Transparency and accessibility to information



IMPROVED
PUBLIC HEALTH



LOCAL TOXIC &
AIR POLLUTION
REDUCTIONS



COMMUNITY
ENGAGEMENT



OPEN &
TRANSPARENT
PROCESS



ACCESS TO
AIR QUALITY
MONITORING DATA

Community Identification

- Prioritize communities with highest exposure burdens
 - Deployment of community air monitoring
 - Development of community emission reduction programs
- Focus on disadvantaged communities and sensitive receptor locations



Statewide Monitoring Plan



- Review capabilities of air monitoring technologies
- Review existing community air monitoring systems
- Provide recommendations for additional air monitoring
- Establish guidance on best practices

Statewide Reduction Strategy



- Methods for assessment of community exposure and contributing sources
- Strategies for reducing emissions
- Criteria for community emissions reduction programs

\$5M for Community Assistance Grants

- Developing process for grant program
- Funding to support
 - Capacity building – training and support
 - Assistance for community led air monitoring
 - Technical assistance



Next Steps

Fall 2017

- Board Meeting Update; Informational and Community Meetings

Winter 2018

- Draft Concepts; Workshops and Community Meetings

Spring 2018

- Board Meeting Update; Draft Planning Documents

Summer 2018

- Workshops and Community Meetings; Final Draft Planning Documents

Fall 2018

- Board Meeting to consider Final Planning Documents

**South Coast Air Quality Management District
HOME RULE ADVISORY GROUP – Attendance Record – 2017**

	NAME (Term: 1/1/17 - 1/1/2019)	1/11	FEB	3/15	APR	5/10	JUN	7/12	AUG	9/13	OCT	11/8	DEC
	Board/Member, Business & Community Reps, SCAQMD Staff												
1	Dr. Joseph Lyou, Chairman	X	dark	X	dark	X	dark	X	dark	X	dark	X	dark
2	Dr. Philip Fine (Agency Member) - SCAQMD	X*		X		X*		X		X		X	
3	Zimpfer, Amy (Agency Member) - EPA <i>Representing Elizabeth Adams</i>	T		A*		T		X		T*		T*	
4	Gallenstein, Chris (Agency Member) - CARB <i>Representing Richard Corey</i>	T*		T		T		A		T		T*	
5	Chang, Ping (Agency Member) - SCAG <i>Alternate – Rongsheng Luo</i>	T*		T*		T*		T*		T*		T*	
6	Carroll, Mike (Business Representative) <i>Alternate – Robert Wyman</i>	A		A		A		X		A		A	
7	Coleman, Curtis (Business Representative) <i>Alternate – Susan Stark</i>	X		X		X		X		X		X	
8	McCann, Bridget (Business Representative) <i>Alternate – Patty Senecal</i>	A		A		A		A		X		A*	
	Joy, Jayne (Business Representative) <i>Alternate – Al Javier</i>	T		A*		X		T		T			
9	La Marr, Bill (Business Representative)	X		X		X		X		X		X	
10	McGivney, Dan (Business Representative) <i>Alternate – Lauren Nevitt</i>	X		X*		X		A		X		X*	
11	Newman, Penny (Environmental Representative)	X		X		A		A		A		A	
12	Roberts, Terry (Environmental Representative)	X		X		X		X		X		X	
13	Quinn, Bill (Business Representative) <i>Alternate – Janet Whittick</i>	T		T		T		T		T		T*	
	Wyenn, Morgan (Environmental Representative)	A*		A*		A*		A*					
14	Ali, Micah (Community Representative - Parker)	T		A		A		A		A		A	
15	Downs, Michael (Community Representative - McCallon)	X		A		X		A		A		X	
16	Ferlita, Jaclyn (Community Representative - Lyou)	X		A*		X		A		X		X	
17	Harrold, Nan (Community Representative - Nelson)									X		A	
18	Montez, Art (Community Representative - Lyou)	A		X		X		A		A		A	
	Olson, Mark (Community Representative - Rutherford)	X		A*		X		A*					
19	Rothbart, David (Community Representative - Mitchell)	X		X		X		X		X		X	
20	Rubio, Larry (Community Representative - Ashley)	A*		T		T		A*		T		A*	
21	Smith, Larry (Community Representative - Benoit)	X		A		X		A		X		A	
22	Pawling Torres, Kristen (Community Representative - Kuehl)									X		X	
23	Turner, TyRon (Community Representative - Burke)	T		X		X		X		X		X	

Attendance Codes

X	Present	T	Teleconference	A	Absence
X*	Alternate in Attendance	T*	Alternate Teleconference	A*	Absence Excused

**South Coast Air Quality Management District
Home Rule Advisory Group
Membership Roster
(Term: 2017-2019)**

CHAIRPERSON

Dr. Joseph K. Lyou

BOARD MEMBER

Dr. Clark E. Parker, Sr. (interim)

AGENCY MEMBERS

Philip Fine
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Richard Corey, represented by Chris Gallenstein
Air Resources Board
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Elizabeth Adams, represented by Amy Zimpfer
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Ping Chang
Southern California Association of Governments
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ALT: Rongsheng Luo

BUSINESS REPRESENTATIVES

Mike Carroll
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ALT: Bob Wyman

Bridget McCann
Western States Petroleum Association
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ALT: Patty Senecal

Curtis Coleman
Southern California Air Quality Alliance
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ALT: Susan Stark (Tesoro)

Daniel McGivney
Southern California Gas
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ALT: Lauren Nevitt

William R. La Marr
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Bill Quinn
**California Council for Environmental
& Economic Balance**
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ALT: Janet Whittick

ENVIRONMENTAL REPRESENTATIVES

Penny Newman
**Center for Community Action and
Environmental Justice**
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Terry Roberts
American Lung Association in California
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COMMUNITY REPRESENTATIVES – Recommended by Board Members

Michael Downs (McCallon)
Downs Energy
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Jaclyn Ferlita (Lyou)
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Nan Harrold (Nelson)
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Art Montez (Lyou)
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Kristen Torres Pawling (Kuehl)
County of Los Angeles, Chief Sustainability Office
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David Rothbart (Mitchell)
County Sanitation Districts of Los Angeles County
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Larry Rubio (Ashley)
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Larry Smith (B. Benoit)
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South Coast Air Quality Management District

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HOME RULE ADVISORY GROUP 2017 ACCOMPLISHMENTS

In 2017 the following important updates were provided to the Home Rule Advisory Group to keep the group informed and engender discussion on important, relevant issues.

- Current Incentive and Funding Goals and Actions for the 2016 AQMP
- Update on Efforts in Paramount to Address Hexavalent Chromium
- Outreach Efforts by the Legislative and Public Affairs staff in the local communities
- Facility-Based Mobile Source Measures
- Rule 1466 – Control of Particulate Emissions from Soils with Toxic Air Contaminants
- AB 617 Implementation

Climate Change (CC)

The Climate Change Subcommittee discussed greenhouse (GHG) programs and the potential to minimize duplicative regulatory efforts. The subcommittee tracked regulatory efforts by California Air Resources Board and Environmental Protection Agency efforts to reduce greenhouse gas emissions. The subcommittee monitored the sale of GHG allowances through the auction market. Various climate change bills seeking to reauthorize California's Cap-and-Trade Program, including AB 398, were also tracked. Regulatory and legislative developments were monitored to ensure that duplicative requirements would not be imposed on stationary sources.

Environmental Justice (EJ)

The Environmental Justice Subcommittee monitored and reported on environmental justice activities at CARB and OEHHA, including the release of CalEnviroScreen 3.0. It also monitored CARB's proposed use of funds generated by the GHG cap and trade program auctions and SCAQMD's staff development of revised AB 2588 guidance documents in light of OEHHA's revised Risk Assessment Guidelines.

Freight Sustainability (FS)

During the past year, the Freight Sustainability Subcommittee has provided discussion and/or updates on the following items:

- California Freight Investment Program Guidelines for the programming and allocation of state and federal funds pursuant to SB 826 (Leno, 2016);
- The San Pedro Bay Ports Clean Air Action Plan;
- Facility-Based Mobile Source Measures; and
- Caltrans California Freight Advisory Committee activities.

Small Business Considerations (SB)

Permit Streamlining and Modernization

Throughout 2017, the Small Business Subcommittee participated in meeting of the Permit Streamlining Task Force, and contributed to the discussions between the district staff and industry stakeholders about recommending strategies for reducing the volume of backlogged permits and improving the efficiency by which future permits can be processed, approved and issued.

Additionally, the Small Business Subcommittee assisted the district staff in arranging for representatives of two major dry cleaning trade associations in Southern California to participate in a demonstration and assessment of the new E-Permit System.

NO_x RECLAIM Transition to Command and Control

Throughout 2017, the Small Business Subcommittee participated in the meetings and contributed to the discussions between the district staff and industry and community stakeholders on issues relating to the equitable “sunsetting” of RECLAIM, and the orderly transition to a command-and-control program.

Rule 1469 (Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing)

Throughout 2017, the Small Business Subcommittee participated in the meetings and public workshops, and contributed to the discussions pertinent to the district’s efforts to amend Rule 1469. The Subcommittee will continue its participation in these efforts as the proposed rule is not scheduled to be heard by the Governing Board until January 2018.

Rule 1147 (NO_x Reductions from Miscellaneous Sources)

The Small Business Subcommittee has reported on the measured pace of rulemaking involved in amending Rule 1147 for the past six (6) years. On July 7, when the Governing Board approved the proposed rule, they did so with stipulations that the staff begin or continue (as appropriate) to accomplish certain tasks that would: 1) mitigate the economic burden of bi-annual emissions testing on the less than 1 lb. NO_x/day facilities; 2) eliminate the monopoly that a single low-NO_x burner manufacturer has over all other burner manufacturers; and 3) publish an implementation guide that clearly explains to the regulated community how they can comply with the amended rule. Moreover, the board stressed that their stipulations to staff be carried out with a sense of immediacy, and in collaboration with business stakeholders.

Since the staff has yet to meet and collaborate with business community leaders on any of the aforementioned stipulations, the Subcommittee will only claim a partial accomplishment for our efforts and influence over the past 6 years leading up to approval of the rule. The Small Business Subcommittee will report on Rule 1147 post-adoption progress, whenever there is something of substance to report.



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HOME RULE ADVISORY GROUP

2018 GOALS AND OBJECTIVES

The Home Rule Advisory Group (HRAG) was established April 14, 1995, by the SCAQMD Governing Board as one element of the Business Clean Air Partnership. The HRAG is a coalition of local business leaders, environmental representatives, regulated agency officials, and air quality regulators dedicated to seeking realistic approaches to attaining clean air goals.

The mission of the Home Rule Advisory Group is to seek consolidation and consistency of federal, state, and local regulations to streamline regulatory compliance while achieving and fulfilling air quality goals and requirements. The group will focus on regulatory proposals and compliance issues that impose duplicative, conflicting or burdensome requirements. These goals will be accomplished by making recommendations including alternatives to the Stationary Source Committee on those issues that the group identifies, as well as pending legislation, litigation and regulatory proposals that have the potential to impose an unreasonable compliance burden on local businesses. The anticipated result is the development of recommendations that support reasonable and efficient approaches to attaining clean air goals.

The term “Home Rule” refers to the process and mechanism of self-governance by local government jurisdictions.

The Home Rule Advisory Group hereby adopts the following 2018 goals and objectives. These goals and objectives may be amended and/or re-prioritized at any time to reflect emerging or changing issues.

The Home Rule Advisory Group will actively examine potential conflicting, duplicative, and/or overly burdensome regulatory activities at local, state, and federal levels, including issues concerning credits and offsets for new sources, relieving air emission burdens on local communities, release of air toxic emissions, best practices to achieve air quality goals, interactions between local air quality and greenhouse gas objectives, etc. The anticipated result is the development of improved strategies to attain clean air goals. .

Climate Change

The Home Rule Advisory Group Climate Change Subcommittee will monitor selected local, state, regional federal, and international climate change regulatory, legislative, and non-governmental organizations’ developments. The Climate Change Subcommittee will review selected rulemaking and actions taken by U.S. EPA, ARB, and others with an eye toward harmonization of the regulatory process and to prevent or eliminate duplicative, overlapping, and unnecessarily burdensome requirements, while maximizing co-benefits of emission reductions in criteria pollutants and air toxics.

Environmental Justice

The Home Rule Advisory Group Environmental Justice Subcommittee will continue to monitor and report on the development and implementation of environmental justice programs and cumulative impact assessments by federal, state, and local agencies for purposes of evaluating the consistency of those programs and assessments with federal law, state law, and SCAQMD policies. It will also monitor the SCAQMD's AB 617 implementation and seek effective ways to address cumulative and disproportionate impacts while providing regulatory certainty and avoiding duplicative and overlapping requirements. It will continue to monitor developments related to OEHHA's AB2588 Risk Assessment Guidelines and CalEnviroScreen Tool and EPA's EJ Screen Tool for assessing environmental justice communities. Finally, it will continue to provide quarterly updates on how proceeds from CARB's GHG auctions are proposed to be used.

Freight Sustainability

One of the largest sources of NOx emissions in the SCAQMD are mobile sources associated with the movement of freight through our region. Currently, the California Air Resources Board and the SCAQMD are developing (for SIP and AQMP purposes) mobile source reduction strategies for development and implementation over the next few years. Additionally, the State of California, under the guidance of Caltrans, is updating the California State Rail Plan and the California Transportation Commission is developing guidelines for implementation of the California Freight Investment Program. The Subcommittee will monitor and report on these and other related activities during the upcoming year.

Small Business Considerations

The Small Business Considerations Subcommittee will continue to provide small business input in the review and undertaking of air quality-related programs and will assure that recommendations to the Stationary Source Committee by the HRAG reflect a balanced view from small businesses and other HRAG members. The Subcommittee will periodically monitor economic and air modeling data, and report on any significant changes that may occur during 2018 and beyond. The Subcommittee representatives will also continue their involvement in the discussions about RECLAIM.

**DISTRICT RULES AND REGULATIONS INDEX
FOR NOVEMBER 2017 PENALTY REPORT**

REGULATION I - GENERAL PROVISIONS

Rule 109 Recordkeeping for Volatile Organic Compound Emissions (*Amended 8/18/00*)

REGULATION II – PERMITS

Rule 201 Permit to Construct (*Amended 1/5/90*)

Rule 203 Permit to Operate (*Amended 1/5/90*)

REGULATION IV - PROHIBITIONS

Rule 402 Nuisance (*Adopted 5/7/76*)

Rule 403 Fugitive Dust (*Amended 12/11/98*) *Pertains to solid particulate matter emitted from man-made activities.*

Rule 461 Gasoline Transfer and Dispensing (*Amended 6/15/01*)

REGULATION XI - SOURCE SPECIFIC STANDARDS

Rule 1110.2 Emissions from Gaseous- and Liquid-Fueled Internal Combustion Engines (*Amended 11/14/97*)

Rule 1146 Emissions of Oxides of Nitrogen from Industrial, Institutional and Commercial Boilers, Steam Generators, and Process Heaters (*Amended 11/17/00*)

Rule 1146.2 Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers (*Adopted 1/9/98*)

Rule 1176 Sumps and Wastewater Separators (*Amended 9/13/96*)

REGULATION XX - REGIONAL CLEAN AIR INCENTIVES MARKET (RECLAIM)

Rule 2004 Requirements (*Amended 5/11/01*)

Rule 2012 Requirements for Monitoring, Reporting, and Recordkeeping for Oxides of Nitrogen (NO_x) Emissions
(*Amended 5/11/01*)

REGULATION XXII ON-ROAD MOTOR VEHICLE MITIGATION

Rule 2202 On-Road Motor Vehicle Mitigation Options (*Amended 10/9/98*)

REGULATION XXX - TITLE V PERMITS

Rule 3002 Requirements (*Amended 11/14/97*)

CALIFORNIA HEALTH AND SAFETY CODE § 41700

41960.2 Gasoline Vapor Recovery
41700 Violation of General Limitations

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
General Counsel's Office**

November 2017 Settlement Penalty Report

<u>Total Penalties</u>	
Civil Settlements:	\$128,673.00
MSPAP Settlements:	\$27,470.00
Total Cash Settlements:	\$156,143.00
Total SEP Value:	\$0.00
Fiscal Year through 11 / 2017 Cash Total:	\$2,753,532.97
Fiscal Year through 11 / 2017 SEP Value Only Total:	\$1,120,000.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
115536	AES REDONDO BEACH, LLC		11/7/2017	WBW		\$15,150.00
		2004			P60572	
		2012				
		203(b)				
		3002(c)(1)				
3704	ALL AMERICAN ASPHALT, UNIT NO.01		11/3/2017	ML		\$16,000.00
		2004			P14153	
		3002(c)(1)			P56328	
					P56333	
					P56341	
155474	BICENT (CALIFORNIA) MALBURG LLC		11/9/2017	BST		\$4,000.00
		2004			P62077	
		2012				
		3002				
178639	ECO SERVICES OPERATIONS LLC		11/1/2017	VKT		\$1,200.00
		2012 Appen A			P57824	
173033	GARDNERS COMMUNITY SERVICE		11/22/2017	WBW		\$3,000.00
		203(a)			P64552	
					P64563	
					P64566	
149473	GLIDEWELL LABORATORIES		11/29/2017	SH		\$750.00
		2202			P60343	
110581	GOLDEN STATE ENG., INC.		11/17/2017	DH		\$7,000.00
		203(a)			P63714	
164251	JR FUELING 2005		11/30/2017	NAS		\$200.00
		461(c)(2)(B)			P61667	
77266	JSL FOODS INC.		11/16/2017	BST		\$7,200.00
		1146			P64108	
		203(b)				
168205	KINDRED HOSPITAL BALDWIN PARK		11/17/2017	VKT		\$8,173.00
		2202			P60346	

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
44287	PHIBRO-TECH INC		11/29/2017	BST		\$19,000.00
		203(b)			P64458	
137520	PLAINS WEST COAST TERMINALS LLC		11/28/2017	MJR		\$6,000.00
		2004(f)(1)			P56573	
		2012(d)(2)(A)				
		3002			P57088	
					P59390	
					P59392	
					P62954	
181119	QAI LABORATORIES		11/29/2017	BST		\$5,000.00
		402			P63961	
		41700				
19167	R J NOBLE COMPANY		11/1/2017	NAS		\$1,000.00
	Suspended: during a period of one year commencing November 1, 2017 through November 1, 2018, if the facility is issued an NOV for any District fugitive dust rule or regulation, the facility shall pay a suspended penalty of \$1,000.00.	403(d)(1)			P60409	
		403(d)(2)				
800330	THUMS LONG BEACH		11/14/2017	WBW		\$4,000.00
		1176(e)(1)			P65301	
					P65302	
182050	TORRANCE VALLEY PIPELINE CO LLC		11/9/2017	BST		\$2,000.00
		2004			P62082	
18452	UNIVERSITY OF CALIFORNIA, LOS ANGELES		11/28/2017	MJR		\$2,000.00
					P60142	
		1146.2			P60146	
		3002(c)(1)			P60688	

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
45973	UNIVERSITY OF REDLANDS	1110.2	11/16/2017	SH	P62008 P62026 P62044	\$27,000.00
Total Civil Settlements: \$128,673.00						

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
MSPAP Settlements						
178188	BIGGE CRANE		11/17/2017	JS		\$800.00
		203(a)			P66653	
180567	BOZAH, INC.		11/29/2017	JS		\$650.00
		41960.2			P65026	
		461(c)(2)(B)				
174177	CIRCLE K STORES INC #2709493		11/29/2017	JS		\$595.00
		41960			P64919	
		461				
182101	COMPLETE AUTOMOTIVE RECONDITIONING SPECI		11/29/2017	JS		\$2,800.00
		203(a)			P65558	
175084	DJ FOODS INC., HISHAM FARSAKH		11/29/2017	GC		\$1,100.00
		461			P64334	
		461(e)(5)				
175084	DJ FOODS INC., HISHAM FARSAKH		11/29/2017	GC		\$600.00
		461			P64339	
149485	FIVE POINTS GEN STORE, KISHORE RAMLAGAN		11/29/2017	GC		\$1,300.00
		203(a)			P63128	
		461(e)(1)				
		461 (e)(2)(A)				
176766	G & S STATION, GEHAN KHAFAGY		11/17/2017	GC		\$875.00
		41960.2			P60084	
		461(c)				
124776	H&S ENERGY, LLC. H&S 4		11/17/2017	GC		\$1,200.00
		203(a)			P65706	
		41960.2				
		461				
183626	HOLIDAY INN EXPRESS WEST LA		11/17/2017	GC		\$1,100.00
		1146.2			P62917	

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
MSPAP Settlements						
124529	HUSTLER CASINO		11/29/2017	GC		\$1,100.00
		1146.2			P64017	
129121	IRVINE TOYOTA		11/17/2017	GC		\$850.00
		461(e)(2)(A)			P63605	
		461(e)(2)(C)				
178426	LAKEWOOD ARCO AM-PM		11/17/2017	GC		\$300.00
		41960.2			P65710	
		461				
184394	MR. HERNANDEZ CONCRETE PUMPING		11/17/2017	TF		\$300.00
		203(a)			P59693	
18294	NORTHROP GRUMMAN SYSTEMS CORP		11/3/2017	TF		\$1,300.00
		2004			P57098	
184199	ORANGE COATING AND SANDBLASTING		11/17/2017	TF		\$750.00
		109			P63861	
		203(a)				
181196	PARDEE HOMES		11/3/2017	TF		\$2,300.00
		403			P64368	
140997	QUIXTOP		11/3/2017	TF		\$1,650.00
		201			P65717	
		203				
		461				
166107	SHAHKOT GAS & MART, INC.		11/3/2017	GV		\$1,000.00
		41960.2			P65709	
		461				
140518	SHANCOR TESTING		11/3/2017	GV		\$200.00
		461(e)(3)			P65454	
43300	SKANSKA USA CIVIL WEST CA DISTRICT INC		11/3/2017	GV		\$1,700.00
		403			P65253	
183750	VALENIA CUSTOM FINISHER		11/2/2017	GV		\$1,100.00
		109			P62918	
		203 (a)				

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
MSPAP Settlements						
180653	VATANI ENTERPRISES INC/DBA DAVE'S ARCO	203 (a) 461	11/17/2017	GC	P64664	\$3,500.00
167195	VIRSA FOOD MART	41960.2 461(c)(2)(B)	11/3/2017	GV	P65452	\$400.00
Total MSPAP Settlements: \$27,470.00						

DISTRICT RULES AND REGULATIONS INDEX FOR NOVEMBER 2017 PENALTY REPORT

REGULATION II – PERMITS

- Rule 203 Permit to Operate (*Amended 1/5/90*)
Rule 221 Plans (*Adopted 1/4/85*)
Rule 222 Filing Requirements for Specific Emission Sources Not Requiring a Written permit Pursuant to Regulation II.
(*Amended 5/19/00*)

REGULATION III - FEES

- Rule 314 Fees for Architectural Coatings

REGULATION IV - PROHIBITIONS

- Rule 401 Visible Emissions (*Amended 9/11/98*)
Rule 402 Nuisance (*Adopted 5/7/76*)
Rule 403 Fugitive Dust (*Amended 12/11/98*) *Pertains to solid particulate matter emitted from man-made activities.*
Rule 461 Gasoline Transfer and Dispensing (*Amended 6/15/01*)
Rule 463 Storage of Organic Liquids (*Amended 3/11/94*)

REGULATION XI - SOURCE SPECIFIC STANDARDS

- Rule 1105.1 Reduction of PM and Ammonia Emissions from Fluid Catalytic Cracking Units
Rule 1110.2 Emissions from Gaseous- and Liquid-Fueled Internal Combustion Engines (*Amended 11/14/97*)
Rule 1118 Emissions from Refinery Flares (*Adopted 2/13/98*)
Rule 1146 Emissions of Oxides of Nitrogen from Industrial, Institutional and Commercial Boilers, Steam Generators, and Process Heaters (*Amended 11/17/00*)
Rule 1146.2 Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers (*Adopted 1/9/98*)
Rule 1149 Storage Tank Degassing (*Amended 7/14/95*)
Rule 1158 Storage, Handling and Transport of Petroleum Coke (*Amended 6/11/99*)
Rule 1173 Fugitive Emissions of Volatile Organic Compounds (*Amended 5/13/94*)
Rule 1176 Sumps and Wastewater Separators (*Amended 9/13/96*)
Rule 1178 Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities (*Amended 4/7/06*)
Rule 1403 Asbestos Emissions from Demolition/Renovation Activities (*Amended 4/8/94*)
Rule 1415 Reduction of Refrigerant Emissions from Stationary Refrigeration and Air Conditioning Systems (*Amended 10/14/94*)
Rule 1430 Control of Emissions from Metal Grinding Operations at Metal Forging Facilities (*Adopted 3/3/17*)

REGULATION XX - REGIONAL CLEAN AIR INCENTIVES MARKET (RECLAIM)

Rule 2004 Requirements (*Amended 5/11/01*)
Rule 2005 New Source Review for RECLAIM (*Amended 4/20/01*)
Rule 2012 Requirements for Monitoring, Reporting, and Recordkeeping for Oxides of Nitrogen (NO_x) Emissions
 (*Amended 5/11/01*)

REGULATION XXII ON-ROAD MOTOR VEHICLE MITIGATION

Rule 2202 On-Road Motor Vehicle Mitigation Options (*Amended 10/9/98*)

REGULATION XXX - TITLE V PERMITS

Rule 3002 Requirements (*Amended 11/14/97*)

CALIFORNIA HEALTH AND SAFETY CODE § 41700

41960.2 Gasoline Vapor Recovery
41700 Violation of General Limitations

CODE OF FEDERAL REGULATIONS

40 CFR – Protection of the Environment

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
General Counsel's Office**

December 2017 Settlement Penalty Report

<u>Total Penalties</u>	
Civil Settlements:	\$882,575.00
Settlements including SEP	\$1,500,000.00
MSPAP Settlements:	\$36,595.00
Total Cash Settlements:	\$1,419,170.00
Total SEP Value:	\$1,000,000.00
Fiscal Year through 12 / 2017 Cash Total:	\$4,165,702.97
Fiscal Year through 12 / 2017 SEP Value Only Total:	\$2,120,000.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
115536	AES REDONDO BEACH, LLC	3002(c)(1) 40 CFR 2004(f)(1) 203 (b)	12/21/2017	WBW	P60582	\$2,875.00
164571	ALL ANIMAL VETERINARY GROUP \$1,000 is suspended commencing January 1, 2018 through January 1, 2019. If during this period the facility is issued an NOV for any District rule, the facility will pay a suspended penalty of \$1,000.00.	203 (a)	12/14/2017	NAS	6081-1 P61314	\$1,000.00
176339	BECKER SPECIALTY CORP.	3002(c)(1)	12/20/2017	BST	P63964	\$3,000.00
148895	CALIFORNIA RESOURCES PRODUCTION CORP	1173	12/5/2017	BST	P59396	\$6,500.00
148897	CALIFORNIA RESOURCES PRODUCTION CORP	1173		BST	P65303	
151899	CALIFORNIA RESOURCES PRODUCTION CORP	1173		BST	P65304	
164709	CALIFORNIA RESOURCES PRODUCTION CORP	1173		BST	P65305	

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
16389	CEDARS-SINAI MEDICAL CTR		12/20/2017	NSF		\$41,000.00
		1146.2			P63668	
		1415				
		222				
		203			P63680	
		3002				
800030	CHEVRON PRODUCTS CO.		12/27/2017	TRB		\$375,500.00
		402			P26993	
		41700				
		2004			P48743	
		203				
		3002				
		401			P48744	
		1173				
		1176				
					P48745	
					P48746	
					P48748	
38440	COOPER & BRAIN - BREA		12/12/2017	ML		\$250.00
		2004			P62060	

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
800089	EXXONMOBIL OIL CORPORATION	1158(d)(8) 1173 40 CFR 1118 221(b)	12/15/2017	DH	P56623 P61021	\$47,750.00
800066	HITCO CARBON COMPOSITES INC wire transfer	2012 Appen A	12/27/2017	BST	P62810	\$80,000.00
178689	HORSELESS CARRAIGE/NORTH COUNTY SAND & GRAVEL	203 42401	12/14/2017	NAS	P62012	\$3,500.00
92380	JB MARK ALLEN HOTEL VALET CLEANER'S	1146.2	12/19/2017	BST	P64004	\$5,000.00
182970	MATRIX OIL CORP	1173	12/7/2017	BST	P65310	\$3,200.00
18294	NORTHROP GRUMMAN SYSTEMS CORP	2004 2012(e)(2)(B)	12/26/2017	BST	P64414	\$2,500.00
181838	OSK MOBIL #2211214	203(a) 461	12/22/2017	WBW	P61993 P61996	\$1,000.00
157653	ROMAN DECORATING PRODUCTS	314	12/13/2017	NSF	P64815	\$1,500.00

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
174655	TESORO REFINING & MARKETING CO, LLC		12/5/2017	NSF		\$246,500.00
		1105.1			P45975	
		1118				
		1149				
		1173				
		1176(e)(1)				
		1178				
		2004(f)(1)				
		3002(c)(1)				
		401				
		463				
		1105.1			P45977	
		2005			P45978	
					P45979	
					P45980	
					P45981	

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Civil Settlements						
13011	THE GILL CORPORATION	3002(c)(1)	12/26/2017	BST		\$6,000.00
160141	THOMAS SAFRAN & ASSOCIATES		12/1/2017	DH	P60538	\$5,500.00
181667	TORRANCE REFINING COMPANY LLC	1403	12/15/2017	DH	P64852	\$50,000.00
		402			P63409	
		41700				
Total Civil Settlements: \$882,575.00						

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
Settlements including SEP						
169754	SO CAL HOLDING, LLC		12/19/2017	TRB		\$1,500,000.00
	\$500,000 = cash settlement, \$1,000,000 = SEP - construct and operate a natural	2004			P37241	
	gas pipeline that will connect the Facility with the Southern California Gas Company	2012			P37242	
	Distribution System with a completion date of no later than January 31, 2020.				P37247	
					P62958	
Total Settlements including SEP: \$1,500,000.00						

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
MSPAP Settlements						
184393	ANTONIO HUERRERA		12/20/2017	JS		\$300.00
		203 (a)			P59692	
179857	APEX PARKS GROUP DBA BOOMERS		12/26/2017	JS		\$1,375.00
		461(c)(1)(B)			P65359	
184887	FULLMER CONSTRUCTION		12/22/2017	TF		\$1,650.00
	closes both 64760 Fullmer Construction, P64761 Metra Construction, Inc.	403(d)(1)			P64760	
		403(d)(2)			P64761	
90847	KLUNE INDUSTRIES INC		12/20/2017	GC		\$1,275.00
		1147			P63672	
152675	MAGNOILIA VALERO, INC.		12/20/2017	GV		\$400.00
		41960			P64917	
		461				
172841	MSL ELECTRIC INC.		12/21/2017	TF		\$225.00
		203(a)			P66657	
26098	MULCAHY ENTERPRISES, INC.		12/21/2017	TF		\$1,000.00
		461			P65720	
165820	PACIFIC PALMS PETROLEUM, LLC		12/26/2017	TF		\$1,650.00
		203(a)			P56997	
		222				
138015	REDWOOD PRODUCTS INC		12/21/2017	TF		\$800.00
		203(a)			P66251	
13920	SAINT JOSEPH HOSPITAL		12/26/2017	GV		\$1,700.00
		3002(c)(1)			P63862	
155425	SANTA FE ENERGY, INC.		12/21/2017	GV		\$800.00
		461			P64976	
179724	SEYEDI PARTNERS		12/26/2017	GV		\$520.00
		41960.2			P65723	
		461				

Fac ID	Company Name	Rule Number	Settled Date	Init	Notice Nbr	Total Settlement
MSPAP Settlements						
181223	SIERRA ALLOYS COMPANY		12/26/2017	GV		\$2,400.00
		1430			P60689	
4477	SO CAL EDISON CO		12/21/2017	GV		\$2,000.00
		2004(f)(1)			P60585	
		203(b)				
		3002(c)(1)				
153780	SOUTH PASADENA SMOGPROS		12/21/2017	GV		\$1,000.00
		41960.2			P65023	
		461(c)(2)(B)				
118056	STRONG INC		12/21/2017	GV		\$450.00
		203(a)			P66901	
171660	TESORO (USA) 63311		12/26/2017	TF		\$14,850.00
		461			P64978	
185040	VERTEX TELECOM INC		12/21/2017	GV		\$800.00
		203(a)			P65555	
94488	WALT DISNEY PICTURES AND TELEVISION		12/26/2017	GV		\$2,400.00
		203			P57401	
		461(c)(3)(L)				
		461(e)(2)(A)				
153320	WALT'S CLEANERS		12/22/2017	GV		\$1,000.00
		1102			P63762	
Total MSPAP Settlements: \$36,595.00						



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

Twelve-Month and Three-Month Rolling Average Price of Compliance Years 2017 and 2018 NOx and SOx RTCs

January 2018 Quarterly Report to Stationary Source Committee

Table I

Twelve-Month Rolling Average Price Data for Compliance Year 2017 NOx RTCs
(Report to Governing Board if rolling average price greater than \$22,500/ton)

Twelve-Month Rolling Average Price Data for Compliance Year 2017 NOx RTC					
Reporting Month	12-Month Period	Total Volume Traded with Price During Past 12-month (tons)	Total Price of Volume Traded During Past 12-month (\$)	Number of Trades with Price	Rolling Average Price ¹ (\$/ton)
Jan-17	Jan-16 to Dec-16	69.7	\$460,621	9	\$6,606
Feb-17	Feb-16 to Jan-17	94.7	\$610,693	11	\$6,446
Mar-17	Mar-16 to Feb-17	82.2	\$573,193	10	\$6,970
Apr-17	Apr-16 to Mar-17	125.3	\$824,493	12	\$6,581
May-17	May-16 to Apr-17	113.8	\$741,828	15	\$6,519
Jun-17	Jun-16 to May-17	113.8	\$741,828	15	\$6,519
Jul-17	Jul-16 to Jun-17	134.4	\$867,079	22	\$6,450
Aug-17	Aug-16 to Jul-17	144.8	\$920,041	29	\$6,355
Sep-17	Sep-16 to Aug-17	150.4	\$955,120	35	\$6,351
Oct-17	Oct-16 to Sep-17	151.2	\$956,005	36	\$6,323
Nov-17	Nov-16 to Oct-17	252.8	\$1,345,772	55	\$5,324
Dec-17	Dec-16 to Nov-17	267.1	\$1,376,674	58	\$5,155
Jan-18	Jan-17 to Dec-17	305.1	\$1,276,006	57	\$4,182

1. District Rule 2015(b)(6) - Backstop Provisions provides additional "evaluation and review of the compliance and enforcement aspects of the RECLAIM program" if the average RTC price exceeds \$15,000 per ton.

Table II

Twelve-Month Rolling Average Price Data for Compliance Year 2018 NOx RTCs
(Report to Governing Board if rolling average price greater than \$22,500/ton)

Twelve-Month Rolling Average Price Data for Compliance Year 2018 NOx RTC					
Reporting Month	12-Month Period	Total Volume Traded with Price During Past 12-month (tons)	Total Price of Volume Traded During Past 12-month (\$)	Number of Trades with Price	Rolling Average Price ¹ (\$/ton)
Jan-18	Jan-17 to Dec-17	91.6	\$974,592	3	\$10,639

1. District Rule 2015(b)(6) - Backstop Provisions provides additional "evaluation and review of the compliance and enforcement aspects of the RECLAIM program" if the average RTC price exceeds \$15,000 per ton.

Table III

Three-Month Rolling Average Price Data for Compliance Year 2017 NOx RTCs
(Report to Governing Board if rolling average price greater than \$35,000/ton)

Three-Month Rolling Average Price Data for Compliance Year 2017 NOx RTC					
Reporting Month	3-Month Period	Total Volume Traded with Price During Past 3-month (tons)	Total Price of Volume Traded During Past 3-month (\$)	Number of Trades with Price	Rolling Average Price (\$/ton)
Jan-17	Oct-16 to Dec-16	41.1	\$310,586	6	\$7,561
Feb-17	Nov-16 to Jan-17	66.1	\$460,658	8	\$6,971
Mar-17	Dec-16 to Feb-17	65.0	\$452,221	7	\$6,962
Apr-17	Jan-17 to Mar-17	68.1	\$401,372	4	\$5,897
May-17	Feb-17 to Apr-17	46.6	\$272,479	6	\$5,847
Jun-17	Mar-17 to May-17	46.6	\$272,479	6	\$5,847
Jul-17	Apr-17 to Jun-17	24.2	\$146,430	11	\$6,051
Aug-17	May-17 to Jul-17	31.0	\$178,213	14	\$5,753
Sep-17	Jun-17 to Aug-17	36.6	\$213,292	20	\$5,828
Oct-17	Jul-17 to Sep-17	17.9	\$97,616	15	\$5,468
Nov-17	Aug-17 to Oct-17	109.1	\$434,421	27	\$3,981
Dec-17	Sep-17 to Nov-17	118.9	\$438,682	25	\$3,689
Jan-18	Oct-17 to Dec-17	195.0	\$630,587	27	\$3,233

Table IV

Three-Month Rolling Average Price Data for Compliance Year 2018 NOx RTCs
(Report to Governing Board if rolling average price greater than \$35,000/ton)

Three-Month Rolling Average Price Data for Compliance Year 2017 NOx RTC					
Reporting Month	3-Month Period	Total Volume Traded with Price During Past 3-month (tons)	Total Price of Volume Traded During Past 3-month (\$)	Number of Trades with Price	Rolling Average Price (\$/ton)
Jan-18	Oct-18 to Dec-18	38.1	\$400,092	1	\$10,500

Table V

Twelve-Month Rolling Average Price Data for Infinite-Year Block NOx RTCs
(Report to Governing Board if rolling average price after 2018 is less than \$200,000/ton)

Twelve-Month Rolling Average Price Data for Infinite-Year Block NOx RTC					
Reporting Month	12-Month Period	Total Volume Traded with Price During Past 12-month (tons)	Total Price of Volume Traded During Past 12-month (\$)	Number of Trades with Price	Rolling Average Price (\$/ton)
May-16	May-15 to Apr-16	805.1	\$215,694,953	44	\$267,913
Jun-16	Jun-15 to May-16	781.6	\$211,669,953	44	\$270,819
Jul-16	Jul-15 to Jun-16	351.5	\$128,539,029	31	\$365,654
Aug-16	Aug-15 to Jul-16	512.9	\$166,663,599	32	\$324,943
Sep-16	Sep-15 to Aug-16	517.7	\$167,951,099	32	\$324,449
Oct-16	Oct-15 to Sep-16	441.9	\$150,586,981	30	\$340,759
Nov-16	Nov-15 to Oct-16	321.9	\$121,239,854	25	\$376,628
Dec-16	Dec-15 to Nov-16	321.9	\$121,238,354	24	\$376,638
Jan-17	Jan-16 to Dec-16	301.9	\$114,731,605	20	\$380,057
Feb-17	Feb-16 to Jan-17	183.0	\$46,520,577	10	\$254,172
Mar-17	Mar-16 to Feb-17	174.3	\$41,738,077	7	\$239,491
Apr-17	Apr-16 to Mar-17	174.3	\$41,738,077	7	\$239,491
May-17	May-16 to Apr-17	176.8	\$42,113,977	8	\$238,223
Jun-17	Jun-16 to May-17	175.3	\$41,588,977	7	\$237,266
Jul-17	Jul-16 to Jun-17	172.2	\$40,437,201	6	\$234,802
Aug-17	Aug-16 to Jul-17	10.8	\$2,311,624	4	\$213,249
Sep-17	Sep-16 to Aug-17	4.1	\$624,124	3	\$152,598
Oct-17	Oct-16 to Sep-17	4.1	\$624,124	3	\$152,598
Nov-17	Nov-16 to Oct-17	4.1	\$624,124	3	\$152,598
Dec-17	Dec-16 to Nov-17	4.1	\$624,124	3	\$152,598
Jan-18	Jan-17 to Dec-17	31.8	\$1,262,801	6	\$39,673

Table VI

Twelve-Month Rolling Average Price Data for Compliance Year 2017 SOx RTCs
(Report to Governing Board if rolling average price greater than \$50,000/ton)

Twelve-Month Rolling Average Price Data for Compliance Year 2017 SOx RTC					
Reporting Month	12-Month Period	Total Volume Traded with Price During Past 12-month (tons)	Total Price of Volume Traded During Past 12-month (\$)	Number of Trades with Price	Rolling Average Price ¹ (\$/ton)
Jan-17	Jan-16 to Dec-16	0	0	0	-
Feb-17	Feb-16 to Jan-17	0	0	0	-
Mar-17	Mar-16 to Feb-17	0	0	0	-
Apr-17	Jan-17 to Mar-17	0	0	0	-
May-17	May-16 to Apr-17	0	0	0	-
Jun-17	Jun-16 to May-17	0	0	0	-
Jul-17	Jul-16 to Jun-17	0	0	0	-
Aug-17	Aug-16 to Jul-17	4.0	\$4,400	1	\$1,100
Sep-17	Sep-16 to Aug-17	14.0	\$19,400	2	\$1,386
Oct-17	Oct-16 to Sep-17	14.0	\$19,400	2	\$1,386
Nov-17	Nov-16 to Oct-17	14.0	\$19,400	2	\$1,386
Dec-17	Dec-16 to Nov-17	14.0	\$19,400	2	\$1,386
Jan-18	Jan-17 to Dec-17	14.0	\$19,400	2	\$1,386

1. District Rule 2015(b)(6) - Backstop Provisions provides additional "evaluation and review of the compliance and enforcement aspects of the RECLAIM program" if the average RTC price exceeds \$15,000 per ton.

Table VII

Twelve-Month Rolling Average Price Data for Compliance Year 2018 SOx RTCs
(Report to Governing Board if rolling average price greater than \$50,000/ton)

Twelve-Month Rolling Average Price Data for Compliance Year 2017 SOx RTC					
Reporting Month	12-Month Period	Total Volume Traded with Price During Past 12-month (tons)	Total Price of Volume Traded During Past 12-month (\$)	Number of Trades with Price	Rolling Average Price ¹ (\$/ton)
Jan-18	Jan-17 to Dec-17	None	-	-	-

1. District Rule 2015(b)(6) - Backstop Provisions provides additional "evaluation and review of the compliance and enforcement aspects of the RECLAIM program" if the average RTC price exceeds \$15,000 per ton.

[↑ Back to Agenda](#)

UPDATE ON CURRENT AND UPCOMING COMMUNITY AIR TOXICS MONITORING EFFORTS

GOVERNING BOARD MEETING

FEBRUARY 2, 2018

RECENT AIR TOXIC MONITORING EFFORTS

- MATES I, II, III and IV (1987, 1998, 2004, 2012)
- California Toxics Air Contaminants Monitoring (1999 – Current)
- National Air Toxics Trends Stations (2007 - Current)
- SCAQMD Requirements (e.g. Rules 1156 and 1420.2)
- Special Monitoring/ Community Air Toxics (e.g. Battery recycling facilities, cement facilities, oil and gas industry, metal working facilities)
- Sensor Evaluation (2014 - Current)



FRAMEWORK FOR UPCOMING TOXIC MONITORING EFFORTS AT SCAQMD



Grants: AQ-SPEC sensor networks & technology demonstration (STAR, NASA ROSE, U.S. EPA)



District Initiatives: Community Air Toxics Initiative, MATES V



Torrance Refinery SEP – Fenceline & Community Monitoring



SCAQMD Rule Requirements: Rule 1180 (AB 1674)








State mandates: AB 617

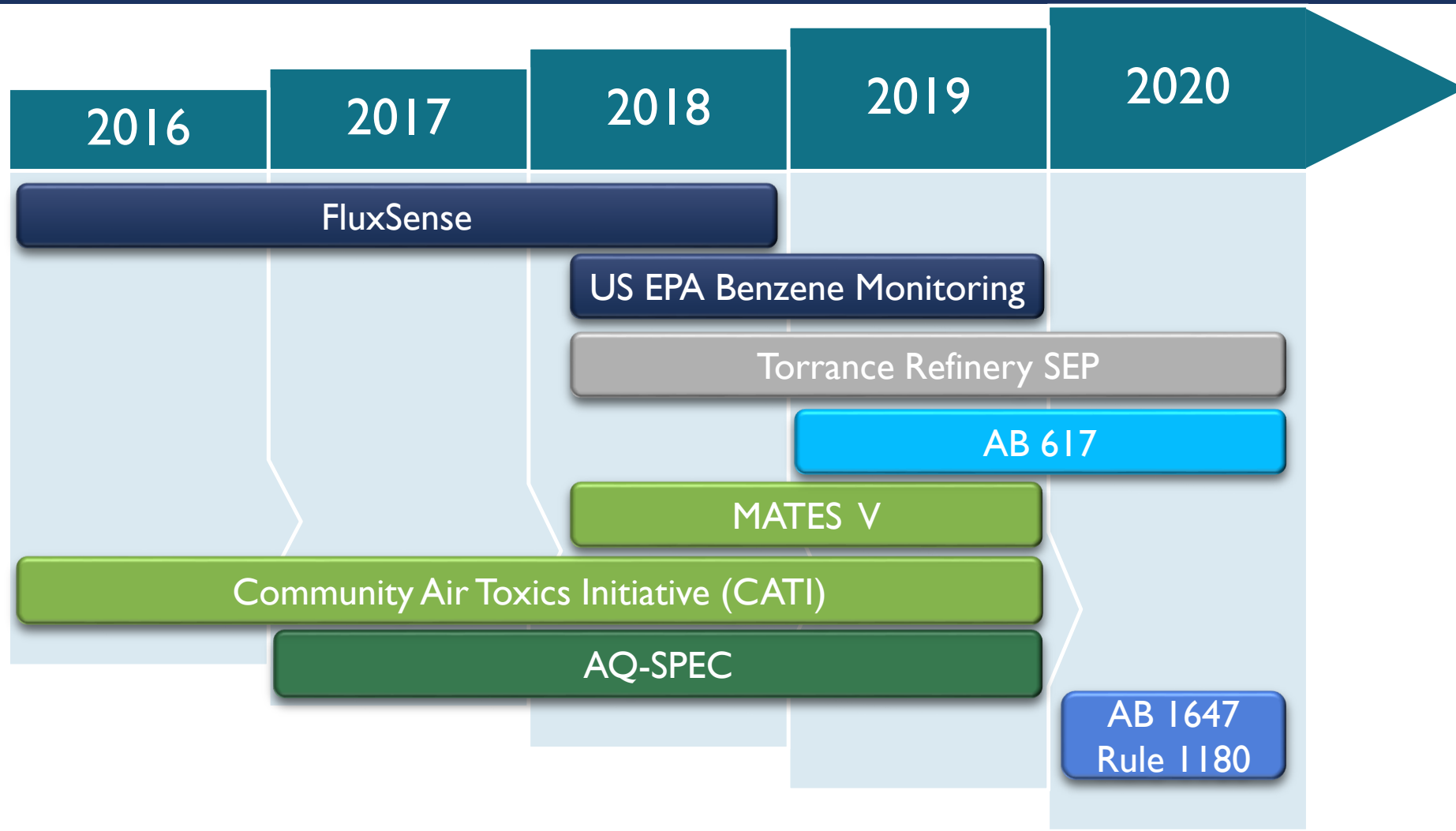


Ensure efforts are complementary & form a natural progression

DISTINGUISHING MONITORING EFFORTS

	AQ-SPEC 	District Initiatives 	Torrance Refinery SEP 	Rule 1180 AB 1674 	AB 617 
Pollutants	<ul style="list-style-type: none"> • Limited Toxic Air Pollutants • Criteria Pollutants 	<ul style="list-style-type: none"> • Toxic Air Pollutants • Criteria Pollutants 	<ul style="list-style-type: none"> • Toxic Air Pollutants • Criteria Pollutants 	<ul style="list-style-type: none"> • Toxic Air Pollutants • Refinery-Related Pollutants 	<ul style="list-style-type: none"> • Toxic Air Pollutants • Criteria Pollutants • GHG
Monitoring Approach	<ul style="list-style-type: none"> • Low-Cost Sensors • Saturation Monitoring • Continuous Monitors 	<ul style="list-style-type: none"> • FRM/FEM • Low-Cost Sensors • Open Path • Saturation Monitoring • Continuous Monitors • Mobile Platform • Aircraft Surveys 	<ul style="list-style-type: none"> • Fenceline Open-Path ORS • Continuous Monitors 	<ul style="list-style-type: none"> • Open-Path • Continuous Monitors • Low-Cost sensors 	<ul style="list-style-type: none"> • FRM/FEM • Low-Cost Sensors • Open Path • Continuous Monitors • Aircraft Surveys
Purpose & Timeframe	<ul style="list-style-type: none"> • Short-Term Intensive Studies • Identify Hot Spots • Community Monitoring 	<ul style="list-style-type: none"> • Short-Term Intensive Studies • Basin Toxic Analysis 	<ul style="list-style-type: none"> • 2-year Program • Community Monitoring 	<ul style="list-style-type: none"> • Permanent • Fenceline Monitoring • Community Monitoring 	<ul style="list-style-type: none"> • Long-term • Community Monitoring

AIR TOXIC MONITORING IMPLEMENTATION TIMELINE



BUILDING UPON SCAQMD'S COMMUNITY MONITORING CAPABILITIES USING SENSOR NETWORKS

AQ-SPEC

- Community engagement and citizen science
- Deploy gaseous and PM sensors

MATES V

- Community engagement, citizen science, and needs assessment
- Deploy more gaseous and PM sensors, and also VOC sensors (2018 -2019)

AB 617
AB 1647

- Potential applications to community sensor networks (2019+)

EXAMPLE: VOC MONITORING SENSOR DEVELOPMENT

Oct – Dec 2016

Assembled and tested prototype based on EPA's design



Jan – Apr 2017

Designed and assembled 4 "improved" SPODs with added capabilities



May – Aug 2017

Deployed 4 SPOD units at SCAQMD's Fenceline Monitoring Lab in Carson, CA



Jun – Aug 2017

Integrated sensor data with EnviroSuite for visualization and analysis



BUILDING UPON SCAQMD'S AIR TOXICS COMMUNITY MONITORING AND RESPONSE CAPABILITIES

MATES V

- Regional air toxics measurements & modeling
- Flight measurements and mobile monitoring to find potential hotspots

CATI

- Local Cr6 investigations (Paramount & Compton)
- Monitoring, inspections, source testing
- Interagency coordination and collaboration

AB 617

- Identify communities for air toxics monitoring
- Conduct air toxics monitoring and follow-up

PARAMOUNT INVESTIGATION - APPROACH

Transparency & Accessibility

- Share information promptly
- Website, public meetings and calls
- Plain language fact sheets & reports

Collaboration

- Joint inspections
- Information sharing
- Coordination with agencies

Solution-oriented

- Data-driven decision making
- Significant decreases in Cr6
- Lessons learned

**AB 617
Implementation**

BUILDING UPON SCAQMD'S EXPERTISE IN REFINERY-RELATED MONITORING

FluxSense

- Completed demonstration project/pilot studies (2013-2017)
- Continue work on community monitoring (2017-2018)

MATES V

- Demonstrate real-time, continuous facility monitoring and community monitoring using mobile lab and VOC sensor network (2018-2019)

Torrance
SEP

- Deploy fenceline and community monitoring systems (2018-2020)
- Implement community alert system

Rule
1180

- Deploy permanent fenceline and community monitoring systems (2020)

OPTICAL REMOTE SENSING (ORS) SURVEYS - FLUXSENSE

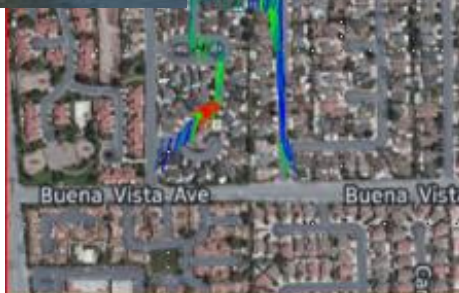
2013

Demonstration
project at one
refinery



2015

Study of fugitive emissions
from refineries, small
sources, and ships



2016 - 2018

Quarterly mobile
emission and
community surveys



December 2017

Study of emissions
from oil tankers in
and near the ports



MATES V – ADVANCED MONITORING COMPONENT



Flight
Measurements



Mobile Lab



Optical Tent



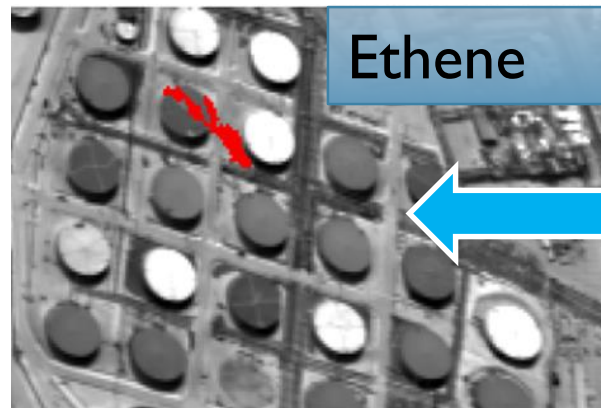
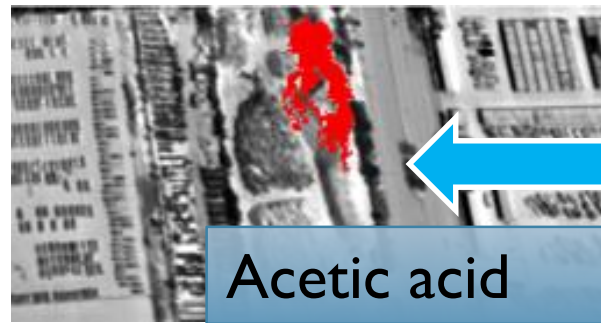
Sensor
Networks

- Create detailed air toxics maps
- Evaluate monitoring technologies for leak detection capabilities
- Characterize cumulative impacts to communities
- Focus on refineries, as well as other industrial sources

MATES V – FLIGHT-BASED AIR TOXICS MEASUREMENTS



- Survey large areas, including refinery areas
- Detect plumes & emissions
- Focus ground-based efforts

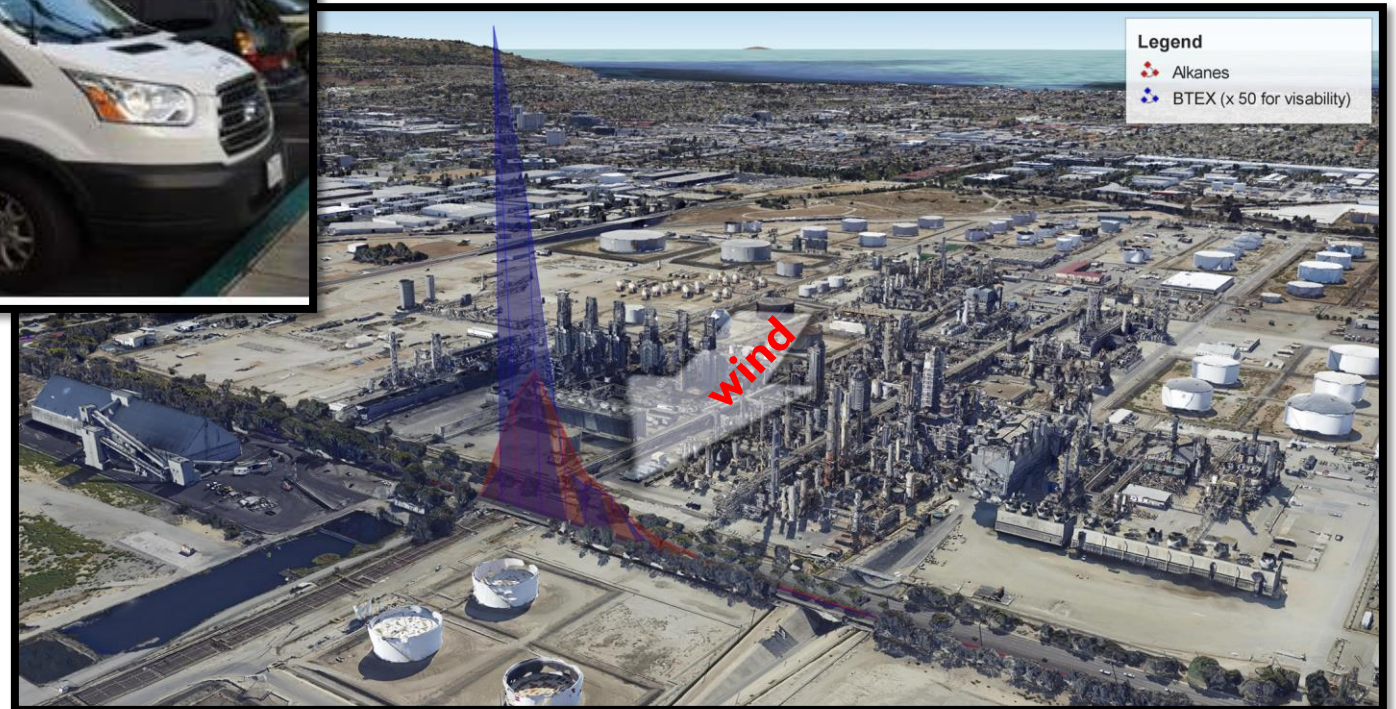


MOBILE AIR TOXICS LABORATORY (FLUXSENSE)



- Survey major refineries and other petroleum facilities

- Fenceline and community mobile monitoring
- Identify sources/leaks and community levels



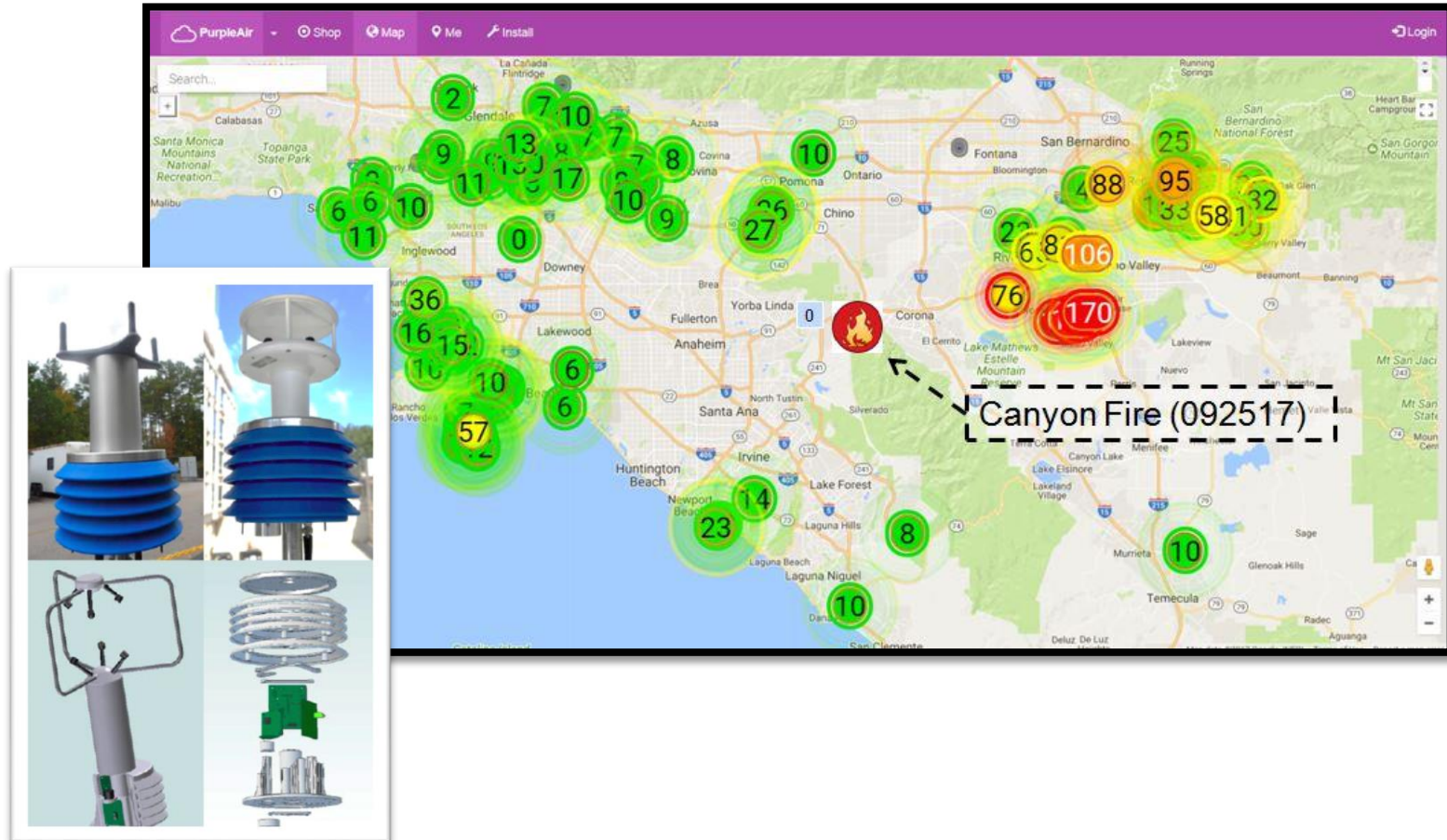
OPTICAL TENT (FACILITY-BASED AIR TOXICS MONITORING)



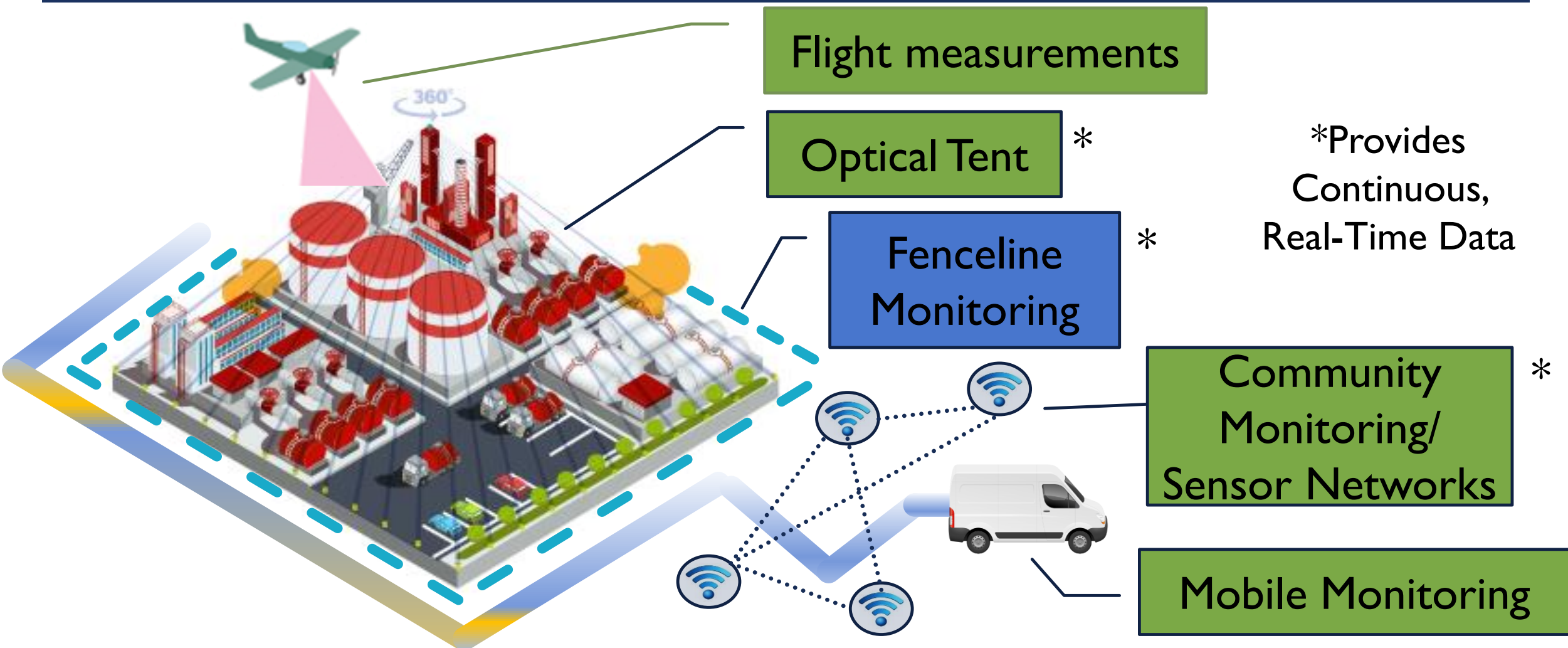
- Continuous facility monitoring
- Real-time leak detection
- Quantify long-term emissions

SENSOR NETWORKS & COMMUNITY ENGAGEMENT

- Detailed local data
 - PM: Two communities
 - VOC: Communities near refineries
- Community engagement
 - Air quality & sensor training
 - Needs assessment
 - Inform air quality improvement projects



COMPLEMENTARY APPROACHES TO REFINERY MONITORING



TORRANCE REFINERY SEP PROJECTS - UPDATE



Community Alert System

- Contract executed with City of Torrance
- ~One year implementation



Fenceline and Community Monitoring

- Contract under development with Sonoma Technology, Inc
- Up to 3 year project

POTENTIAL IMPACT OF THESE PROJECTS IN OVERALL SCAQMD ACTIVITIES



Improve estimates of
community level
exposures



Improve facility leak
detection capabilities



Validate emission
inventories



Inform future policy
and rule development



Guide incentive
money choices

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 29

REPORT: Status Report on Regulation XIII – New Source Review

SYNOPSIS: This report presents the federal preliminary determination of equivalency for January 2016 through December 2016. As such, it provides information regarding the status of Regulation XIII – New Source Review in meeting federal NSR requirements and shows that SCAQMD’s NSR program is in preliminary compliance with applicable federal requirements from January 2016 through December 2016.

COMMITTEE: Stationary Source Committee, January 19, 2018

RECOMMENDED ACTION:
Receive and file the attached report.

Wayne Nastri
Executive Officer

LT:WCT:SKT

SUMMARY

SCAQMD’s New Source Review (NSR) rules and regulations are designed to comply with federal and state Clean Air Act requirements and to ensure that emission increases from new and modified sources do not interfere with efforts to attain and maintain the federal and state air quality standards, while economic growth in the South Coast region is not unnecessarily impeded. Regulation XIII - New Source Review regulates and accounts for all emission changes (both increases and decreases) from the permitting of new, modified, and relocated stationary sources within SCAQMD, excluding NO_x and SO_x sources that are subject to Regulation XX – Regional Clean Air Incentives Market (RECLAIM)¹.

¹ While the RECLAIM program is different than command and control rules for NO_x and SO_x, its NSR requirements, as specified in Rule 2005, are designed to comply with the governing principles of NSR contained in the federal Clean Air Act (CAA) and the California State Health and Safety Code.

Rule 1315 – Federal New Source Review Tracking System, was adopted by the Board on February 4, 2011 to maintain SCAQMD’s ability to issue permits to major sources that require offsets, but obtain offset credits from the SCAQMD’s Priority Reserve under Rule 1309.1 - Priority Reserves, and/or that are exempt from offsets under SCAQMD Rule 1304 - Exemptions. In addition, Rule 1315 requires that, commencing with calendar year 2010, and for each calendar year thereafter, the Executive Officer prepare a Preliminary Determination of Equivalency (PDE) and Final Determination of Equivalency (FDE) which cover NSR activities for twelve-month periods. The calendar year 2016 PDE and FDE are required to be reported to the SCAQMD Board at the February and September 2018 Board meetings, respectively. Rule 1315 also requires the Executive Officer to aggregate and track offsets debited from and deposited to SCAQMD’s offset accounts for specified periods between October 1, 1990 and December 31, 2005 and each calendar year from 2006 through 2030 for purpose of making periodic determinations of compliance. The last annual report submitted to the SCAQMD Board on September 1, 2017 presented the FDE for calendar year 2015 and demonstrated that SCAQMD’s NSR program met the federal offset requirements for calendar year 2015.

This report, which presents the PDE covering the calendar year 2016 reporting period, demonstrates compliance with federal NSR requirements by establishing aggregate equivalence with federal offset requirements for sources that were not exempt from federal offset requirements, but were either exempt from District offset requirements or obtained their offsets from SCAQMD pursuant to Regulation XIII.

The PDE for the calendar year 2016 is summarized in Table 1. Additionally, the projections of SCAQMD’s federal offset account balances for January 2017 through December 2017 and January 2018 through December 2018 as specified and required pursuant to Rule 1315(e) are presented in Table 2. These results demonstrate that there were, and project that there will be, adequate offsets available to mitigate all applicable emission increases during these reporting periods. This report demonstrates that, for calendar years 2016 through 2018, SCAQMD’s NSR program continues to meet and is projected to meet federal offset requirements and is equivalent to those requirements on an aggregate basis². Although the U.S. EPA designated the SCAQMD as attainment with the federal CO standard effective June 11, 2007, SCAQMD will continue to track and report CO accumulated credits and account balances for informational purposes only.

² SCAQMD’s NSR program is deemed to be equivalent to federal offset requirements because SCAQMD’s ending offset account balances remained positive, indicating there were adequate offsets during this reporting period.

Table 1
PDE for January 2016 through December 2016

DESCRIPTION	VOC	NO_x	SO_x	CO	PM₁₀
2015 Actual Ending Balance^a (tons/day)	101.47	24.49	4.15	14.80	15.05
2016 Discount of Credits for Surplus Adjustment ^b (tons/day)	0.00	-2.73	0.00	0.00	0.00
2016 Starting Balance (tons/day)	101.47	21.76	4.15	14.80	15.05
2016 Actual Total Credits ^c (lbs/day)	0	0	0	0	0
2016 Actual Total Credits^c (tons/day)	0.00	0.00	0.00	0.00	0.00
2016 Actual Total Debits ^d (lbs/day)	-22	-65	0	-10	0
2016 Actual Total Debits^d (tons/day)	-0.01	-0.03	0.00	-0.01	0.00
2016 Preliminary Ending Balance^e (tons/day)	101.46	21.73	4.15	14.79	15.05

^a “2015 Actual Ending Balance” is from Table 1 of the 2015 FDE report dated September 1, 2017.

^b This adjustment is surplus at the time of use discount, which is also discussed in Rule 1315(c)(4).

^c PDE does not account for any credits for calendar year 2016, however, credits will be included in the Final Determination of Equivalency.

^d For an explanation of the sources of debits please refer to page 7 of this report, as well as Rule 1315(c) and the February 4, 2011 Rule 1315 staff report.

^e “2016 Preliminary Ending Balance” equals the “2015 Actual Ending Balance” reduced by any surplus adjustments and the sum of actual debits.

Table 2
Projections of SCAQMD's Federal Offset Account Balances for
January 2017 through December 2017, and
January 2018 through December 2018

DESCRIPTION	VOC	NO _x	SO _x	CO	PM ₁₀
2016 Preliminary Ending Balance^a (tons/day)	101.46	21.73	4.15	14.79	15.05
2017 Projected Discount of Credits for Surplus Adjustment ^b (tons/day)	-0.20	-1.33	0.00	-0.10	0.00
2017 Projected Starting Balance (tons/day)	101.26	20.40	4.15	14.69	15.05
2017 Total Projected Credits ^c (lbs/day)	9,715	2,312	586	3,991	1,238
2017 Total Projected Debits ^c (lbs/day)	-547	-394	0	-4,161	-113
2017 Sum of Projected Credits/Debits^c (lbs/day)	9,169	1,918	586	-170	1,124
2017 Sum of Projected Credits/Debits^c (tons/day)	4.58	0.96	0.29	-0.09	0.56
2017 Projected Ending Balance^d (tons/day)	105.84	21.36	4.44	14.60	15.61
2018 Projected Discount of Credits for Surplus Adjustment ^b (tons/day)	-0.21	-1.30	0.00	-0.09	0.00
2018 Projected Starting Balance (tons/day)	105.63	20.06	4.44	14.51	15.61
2018 Total Projected Credits ^c (lbs/day)	9,715	2,312	586	3,991	1,238
2018 Total Projected Debits ^c (lbs/day)	-547	-394	0	-4,161	-113
2018 Sum of Projected Credits/Debits^c (lbs/day)	9,169	1,918	586	-170	1,124
2018 Sum of Projected Credits/Debits^c (tons/day)	4.58	0.96	0.29	-0.09	0.56
2018 Projected Ending Balance^e (tons/day)	110.21	21.02	4.73	14.42	16.17

^a "2016 Preliminary Ending Balance" is as shown in Table 1.

^b This adjustment is surplus at the time of use discount, which is also discussed in Rule 1315(c)(4).

^c For an explanation of the sources of debits and credits please refer to page 7 of this report, as well as Rule 1315(c) and the Rule 1315 staff report. Credits are shown as positive and debits as negative, while the sum of credits/debits are shown as positive or negative, as appropriate.

^d "2017 Projected Ending Balance" equals the "2016 Preliminary Ending Balance" plus any projected surplus adjustments and the sum of projected credits and projected debits.

^e "2018 Projected Ending Balance" equals the "2017 Projected Ending Balance" plus any projected surplus adjustments and the sum of projected credits and projected debits.

BACKGROUND

SCAQMD originally adopted its New Source Review Rules and Regulations (NSR program) in 1976. U.S. EPA approved SCAQMD's NSR program into the State Implementation Plan (SIP) initially on January 21, 1981 (46FR5965) and again on December 4, 1996 (61FR64291). U.S. EPA approved SCAQMD's May 3, 2002 Rule 1309.1 amendments into the SIP on June 19, 2006 (71FR35157). The original program has evolved into the current version of the Regulation XIII rules in response to federal and state legal requirements and the changing needs of the local environment and economy. Specific amendments to the NSR rules were adopted by SCAQMD's Board on December 6, 2002 to facilitate and provide additional options for credit generation and use. Rule 1315 was adopted and re-adopted on September 8, 2006 and August 3, 2007, respectively. Rule 1309.1 was amended and replaced on September 8, 2006 and August 3, 2007, respectively. On November 3, 2008, in response to a law suit filed by a group of environmental organizations, a California State Superior Court Judge in the County of Los Angeles invalidated the August 3, 2007 adopted Rule 1315 and amendments to Rule 1309.1, and prohibited SCAQMD from taking any action to implement Rule 1315 or the amendments to Rule 1309.1 until it had prepared a new environmental assessment under the California Environmental Quality Act (CEQA). On February 4, 2011 SCAQMD adopted a revised and enhanced version of Rule 1315, which included a new CEQA assessment. U.S. EPA approved Rule 1315 in 2012 (77FR31200).

One element of SCAQMD's NSR program design is to offset emission increases in a manner at least equivalent to federal and state statutory NSR requirements. SCAQMD's NSR program implements the federal and state statutory requirements for NSR and ensures that construction and operation of new, relocated and modified stationary sources does not interfere with progress towards attainment of the National and State Ambient Air Quality Standards. SCAQMD's computerized emission tracking system is utilized to demonstrate equivalence with federal and state offset requirements on an aggregate basis. Specific NSR requirements of federal law are presented below.

Federal Law

The NSR requirements of federal law vary with respect to the area's attainment status and classification. Based on their classification in 2007, the South Coast Air Basin (SOCAB) and Salton Sea Air Basin (SSAB) must comply with the requirements for severe 17 and severe non-attainment areas, respectively, for ozone precursors (*i.e.*, VOC and NO_x). However, in May of 2010, the SOCAB was re-designated as an extreme non-attainment area for ozone. During the equivalency period, both the SOCAB and the SSAB complied with their respective requirements for ozone non-attainment and serious non-attainment for PM₁₀ and its precursors (*i.e.*, VOC, NO_x and SO_x)³. SSAB is considered attainment

³ As of July 26, 2013, SOCAB was redesignated as attainment for the federal 24-hour PM₁₀ standard and U.S. EPA approved a PM₁₀ maintenance plan; however, Rule 1303 still requires offsets for PM₁₀ since SOCAB is considered non-attainment for state PM₁₀ Ambient Air Quality Standards, so that pollutant continues to be

for CO. Although effective June 11, 2007, U.S. EPA designated the SOCAB as attainment with federal CO standards, SCAQMD will continue to track and report CO accumulated credits and account balances for informational purposes only. Both SOCAB and SSAB are considered attainment for SO₂ and NO₂, however SO_x and NO_x are precursors to pollutants for which both SOCAB and SSAB are designated as non-attainment⁴. The Mojave Desert Air Basin (MDAB) is currently classified as moderate non-attainment for ozone precursors (*i.e.*, VOC and NO_x) and as attainment for NO₂, SO₂, and CO. Federal law requires the use of Lowest Achievable Emission Rate (LAER) and offsets for emissions of nonattainment pollutants (or their precursors) for new, modified, and relocated stationary sources, when the source is considered a major stationary source⁵ for the nonattainment pollutants (or their precursors). This report demonstrates compliance with the federal NSR offsets requirements.

OVERVIEW OF ANALYSIS METHODOLOGY

The two most important elements of federal non-attainment NSR requirements are LAER and emission offsetting for major sources. As set forth in SCAQMD's *Best Available Control Technology (BACT) Guidelines*, SCAQMD's BACT requirements are at least as stringent as federal LAER for major sources. Furthermore, the NSR emission offset requirements that SCAQMD implements through its permitting process ensure that sources provide emission reduction credits (ERCs) to offset their emission increases in compliance with federal requirements. As a result, these sources each comply with federal offset requirements by providing their own ERCs. However, certain sources are exempt from SCAQMD's offset requirements pursuant to Rule 1304 or qualify for offsets from SCAQMD's Community Bank (applications received between October 1, 1990 and February 1, 1996 only) or Priority Reserve, both pursuant to Rule 1309.1. SCAQMD has determined that providing offset exemptions and the Priority Reserve (as well as the previously-administered Community Bank) is important to the NSR program and the local economy while encouraging installation of BACT. Therefore, SCAQMD has assumed the responsibility of providing the necessary offsets for exempt sources, the Priority Reserve, and the Community Bank. This report examines withdrawals from

tracked. Although the Clean Air Act no longer requires offsets for PM₁₀ major sources in SOCAB, PM_{2.5} is not covered by Rule 1315 or Rule 1304 and is subject to its own NSR Rule, 1325 - Federal PM_{2.5} New Source Review Program.

⁴ SO_x is a precursor to PM₁₀ and NO_x is a precursor to both PM₁₀ and ozone.

⁵ The major source thresholds for SOCAB, SSAB and MDAB, based on their attainment status during the calendar year 2007 through 2016 reporting periods are summarized below:

Pollutant	SOCAB	SSAB	MDAB
VOC	10 tons/year	25 tons/year	100 tons/year
NO _x	10 tons/year	25 tons/year	100 tons/year
SO _x	100 tons/year	100 tons/year	100 tons/year
PM ₁₀	100 tons/year	100 tons/year	100 tons/year
CO	100 tons/year	100 tons/year	100 tons/year

SCAQMD's emission offset accounts during calendar year 2016 and demonstrates programmatic equivalence on an aggregate basis with federal emission offset requirements for the sources exempt from providing offsets and the sources that receive offsets from the Priority Reserve or the Community Bank.

SCAQMD's Offset Accounts

For the purposes of this report, federal debit and credit accounting for SCAQMD's offset accounts was conducted pursuant to the same procedures previously agreed to by U.S. EPA and as delineated in Rule 1315 and described in the staff report dated January 7, 2011. Each of the pollutants subject to offset requirements has its own federal offset account. SCAQMD's NSR program is considered to provide equivalent or greater offsets of emissions as required by federal requirements for each subject pollutant provided the balance of offsets left in SCAQMD's federal offset account for each pollutant remains positive, indicating that there were adequate offsets available.

Debit Accounting

SCAQMD tracks all emission increases that are offset through the Priority Reserve or the Community Bank, as well as all increases that are exempt from offset requirements pursuant to Rule 1304 – Exemptions. These increases are all debited from SCAQMD's federal offset accounts when they occur at federal major sources. For federal equivalency demonstrations, SCAQMD uses an offset ratio of 1.2-to-1.0 for extreme non-attainment pollutants (ozone and ozone precursors, *i.e.*, VOC and NO_x) and uses 1.0-to-1.0 for all other non-attainment pollutants (non-ozone precursors, *i.e.*, SO_x, CO, and PM₁₀) to offset any such increases. That is, 1.2 pounds are deducted from SCAQMD's offset accounts for each pound of maximum allowable permitted potential to emit VOC or NO_x increase at a major source and 1.0 pound is deducted for each pound of maximum allowable permitted potential to emit SO_x, CO, or PM₁₀ at a major source. A more detailed description of federal debit accounting is provided in the Rule 1315 staff report and Rule 1315(c)(2).

Furthermore, to comply with U.S. EPA's NSR Reform requirements applicable to extreme non-attainment areas for ozone, the SCAQMD tracks changes to facility-wide limits under Rule 1304 – Exemptions, and debit any increases from the federal offset accounts accordingly.

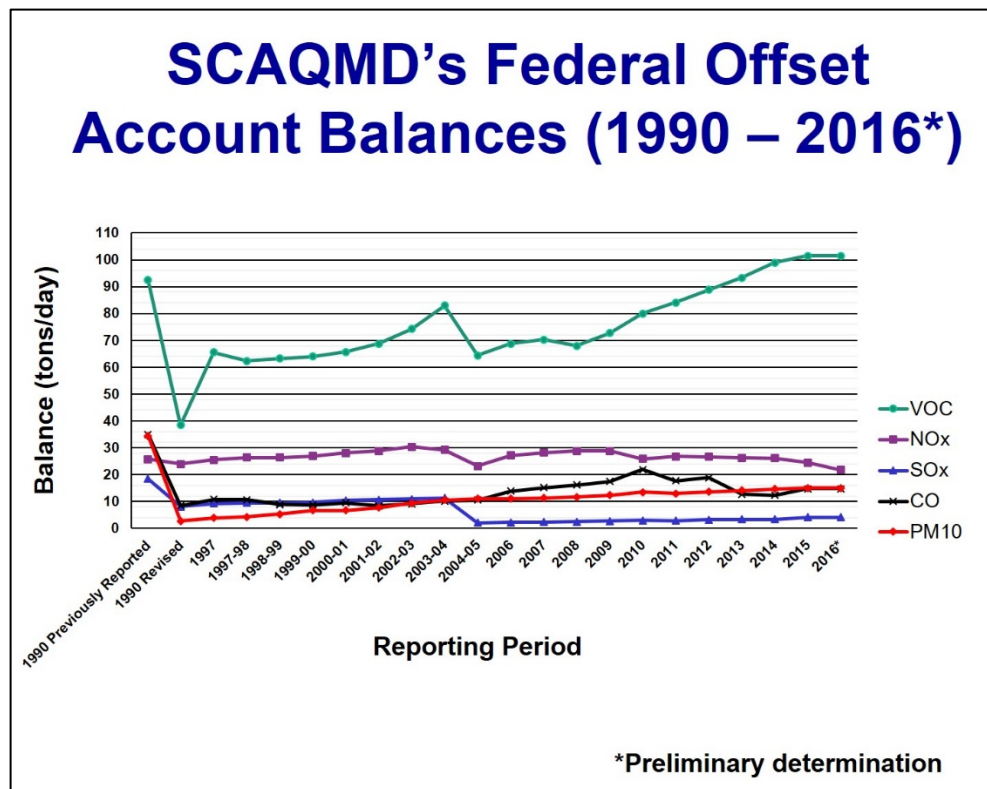
Credit Accounting

When emissions from a permitted source are permanently reduced (*e.g.*, installation of control equipment, removal of the source) and the emission reduction is not required by rule or law and is not called for by an AQMP control measure that has been assigned a

target implementation date⁶, the permit holder may apply for ERCs for the pollutants reduced. If the permit holder for the source generating the emission reduction had previously received offsets from SCAQMD or has a “positive NSR balance” (*i.e.*, pre-1990 net emission increase), the quantity of SCAQMD offsets used or the amount of the positive NSR balance is subtracted from the reduction and “paid back” to SCAQMD’s accounts prior to issuance of an ERC pursuant to Rule 1306. In certain other cases, permit holders do not always submit applications to claim ERCs or do not qualify to obtain ERCs for their equipment shutdowns or other eligible emission reductions. These unclaimed reductions are referred to as “orphan shutdowns” and are deposited in SCAQMD’s offset accounts. ERCs provided as offsets by major sources in excess of the applicable federally-required offset ratio and all ERCs provided as offsets by minor sources not subject to federal offset requirements are also deposited in SCAQMD’s federal offset accounts. A more detailed description of federal credit accounting is provided in Rule 1315(c)(3)(A) and its staff report.

DETERMINATION OF EQUIVALENCY WITH FEDERAL OFFSET REQUIREMENTS

Figure 1 illustrates SCAQMD’s federal offset account balances for calendar years 1990 and after. The calendar year 2016 balances are based on preliminary determinations.



⁶ Refer to Rule 1309(b) for a complete explanation of eligibility requirements.

The federal offset requirements PDE for calendar year 2016 and the projections for calendar years 2017 and 2018 are summarized in Tables 1, and 2, respectively. The detailed listing of actual final withdrawals, deposits, and sum of withdrawals and deposits are shown in Tables A and B of Attachment 1 to this letter.

These account balances, shown in Tables A and B reflect the tracking sequence described under Rule 1315(c)(5).

CONCLUSIONS

The analysis presented in this report demonstrates the following:

- For calendar year 2016, SCAQMD's NSR program provided equivalent offsets to those required by federal NSR requirements and is at least preliminarily equivalent to the federal requirements on an aggregate basis. This conclusion is based on the fact that the preliminary ending offset account balances for the calendar year reporting period, as shown in Table 1, remained positive for all pollutants.
- SCAQMD's projected offset account balances for 2017 and 2018 are projected to remain positive. This means that the sum of the estimated deposits to and withdrawals from SCAQMD's offset accounts during 2017 and 2018 are projected to remain positive.

ATTACHMENTS

1. Detailed listing of actual debits, preliminary credits, and sum of debits and credits.
2. Board Meeting Presentation

ATTACHMENT 1

Detailed listing of actual debits, preliminary credits and sum of debits and credits

Table A
Total Actual Debits from SCAQMD's Federal Offset Accounts
(January 2016 through December 2016)

DISTRICT OFFSETS USED	VOC	NO_x	SO_x	CO	PM₁₀
Priority Reserve (lbs/day)	-18	-2	0	-166	-27
Community Bank (lbs/day)	0	0	0	0	0
Rule 1304 Exemptions (lbs/day)	0	-52	0	-1	0
Sum Total of SCAQMD Offsets (lbs/day)	-18	-54	0	-10	0
1.2-to-1.0 Offset Ratio (lbs/day)	-4	-11	N/A	N/A	N/A
Total Actual Debits to SCAQMD Account (lbs/day)	-22	-65	0	-10	0
Total Actual Debits to SCAQMD Account (tons/day)	-0.01	-0.03	0.00	-0.01	0.00

Table B
Sum of Preliminary Credits/Debits Activities in SCAQMD's Federal Offset Accounts
(January 2016 through December 2016)

	VOC	NO_x	SO_x	CO	PM₁₀
Total Actual Debits* (lbs/day)	-22	-65	0	-10	0
Total Actual Credits* (lbs/day)	0	0	0	0	0
Sum of Actual Debits(-)/Credits(+)* (lbs/day)	-22	-65	0	-10	0
Sum of Actual Debits(-)/Credits(+)* (tons/day)	-0.01	-0.03	0.00	-0.01	0

* Debits are shown as negative and credits as positive, while their sum is shown as negative or positive, as appropriate. No credits are accounted for in the Preliminary Determination of Equivalency analysis.



Status Report on Regulation XIII – New Source Review

Governing Board Meeting
February 2, 2018



NSR Status Report Overview

Purpose:

Demonstrate SCAQMD's NSR program meets federal NSR offset requirements for Major Sources, as required by EPA, for sources that are exempt from offsets under SCAQMD's NSR rule



NSR Status Report History

- SCAQMD has produced Annual NSR Status Reports since 1990
- Around 2002-2004 EPA requested SCAQMD adopt a rule to memorialize equivalency demonstrations
- SCAQMD adopted Rule 1315 - Federal NSR Tracking System, was adopted in 2006/2007 and revised in 2011
- EPA approved Rule 1315 into the SIP and it became effective on June 25, 2012



Rule 1315

Federal NSR Tracking System

- Rule 1315 established procedures to demonstrate equivalency with federal NSR offset requirements
 - Tracks debits from and credits to SCAQMD's federal internal offset account for each pollutant
 - Annual Preliminary Determinations of Equivalency (PDE), Final Determinations of Equivalency (FDE) and Projections
 - Balances in SCAQMD's federal offset accounts must remain positive



SCAQMD's Federal NSR Offset Accounts

Preliminary Determination of Equivalency (PDE)* (CY 2016)

DESCRIPTION	VOC	NOx	SOx	CO	PM10
2015 Final Ending Balance (tons/day)	101.47	24.49	4.15	14.80	15.05
2016 Total Credits (tons/day)*	0.00	0.00	0.00	0.00	0.00
2016 Total Debits (tons/day)	-0.01	-0.03	0.00	-0.01	0.00
2016 Total Discount of Credits for Surplus Adjustment (tons/day)	0.00	-2.73	0.00	0.00	0.00
2016 Preliminary Ending Balance (tons/day)	101.46	21.73	4.15	14.79	15.05

***PDE does not account for any credits for CY 2016, however, credits will be included in the Final Determination of Equivalency.**



SCAQMD's Projected Federal NSR Offset Accounts CY 2017

DESCRIPTION	VOC	NOx	SOx	CO	PM10
2016 Preliminary Ending Balance (tons/day)	101.46	21.73	4.15	14.79	15.05
2017 Total Projected Credits (tons/day)	4.85	1.16	0.29	1.99	0.62
2017 Total Projected Debits (tons/day)	-0.27	-0.20	0.00	-2.08	-0.06
2017 Total Projected Discount of Credits for Surplus Adjustment (tons/day)	-0.20	-1.33	0.00	-0.10	0.00
2017 Projected Ending Balance (tons/day)	105.84	21.36	4.44	14.60	15.61

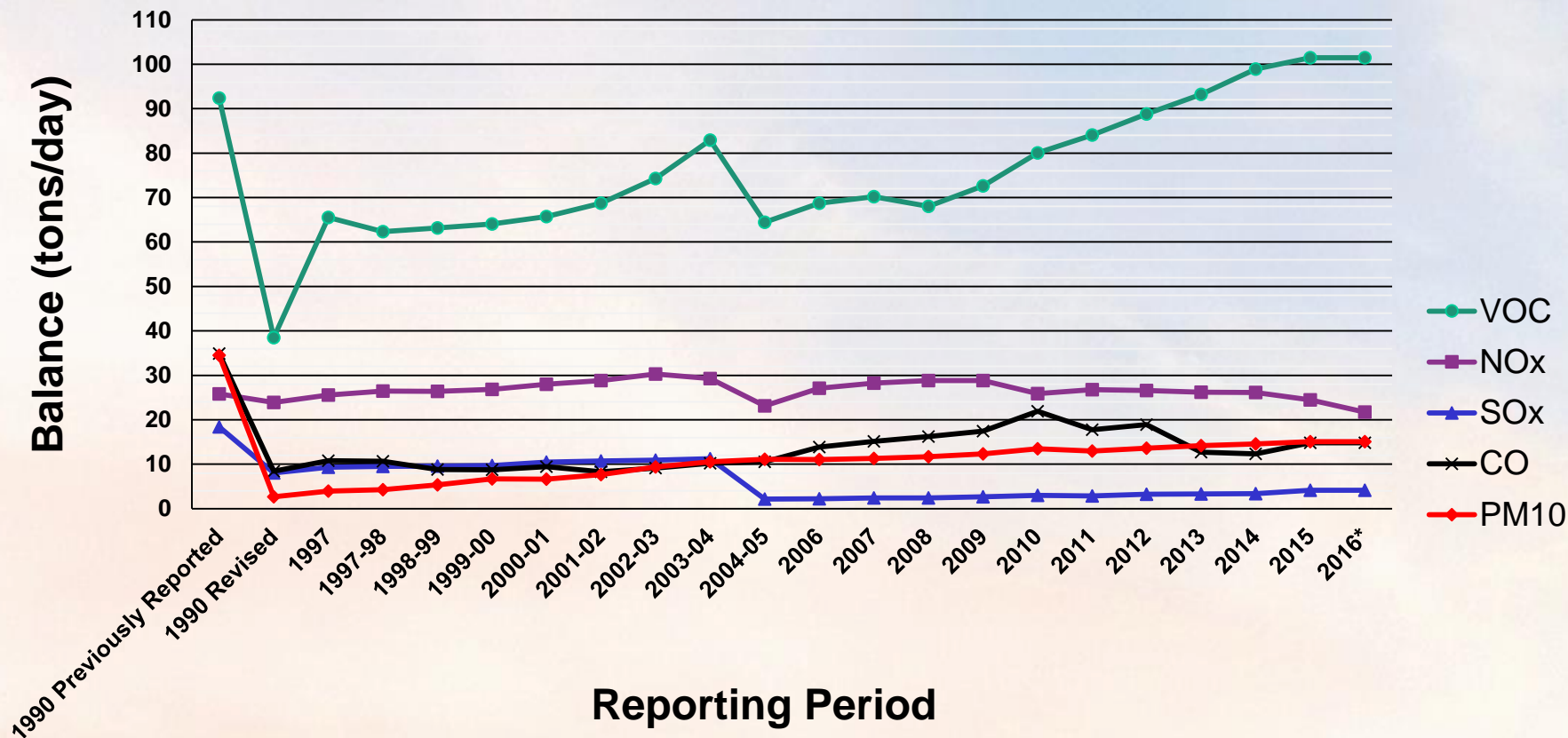


SCAQMD's Projected Federal NSR Offset Accounts CY 2018

DESCRIPTION	VOC	NOx	SOx	CO	PM10
2017 Projected Ending Balance (tons/day)	105.84	21.36	4.44	14.60	15.61
2018 Total Projected Credits (tons/day)	4.85	1.16	0.29	1.99	0.62
2018 Total Projected Debits (tons/day)	-0.27	-0.20	0.00	-2.08	-0.06
2018 Total Projected Discount of Credits for Surplus Adjustment (tons/day)	-0.21	-1.30	0.00	-0.09	0.00
2018 Projected Ending Balance (tons/day)	110.21	21.02	4.73	14.42	16.17



SCAQMD's Federal Offset Account Balances (1990 – 2016*)



*Preliminary determination



Conclusions

- The Preliminary analysis for CY 2016 shows SCAQMD's NSR program continued to be equivalent to the federal NSR offset requirements
- For CYs 2017 and 2018 it is also projected that SCAQMD's NSR program will continue to be equivalent to the federal NSR offset requirements
- Next Final Demonstration of Equivalency for CY 2016 will be presented to the Governing Board on September 7, 2018

BOARD MEETING DATE: February 2, 2018

AGENDA NO. 30

PROPOSAL: Determine Proposed Amendments to BACT Guidelines Are Exempt from CEQA and Amend BACT Guidelines

SYNOPSIS: Periodically, staff proposes amendments to the BACT Guidelines to add new determinations or reflect updates. These actions are to add new and amended listings to Part B, Lowest Achievable Emission Rate and BACT Determinations for Major Polluting Facilities and Part D, BACT Determinations for Non-Major Polluting Facilities. Additionally, these actions are to determine the proposed amendments to the BACT Guidelines are exempt from CEQA and amend the BACT Guidelines to make them consistent with recent changes to SCAQMD rules and regulations as well as state requirements.

COMMITTEE: Stationary Source, January 19, 2018; Recommended for Approval

RECOMMENDED ACTIONS:

1. Determine the proposed amendments to the BACT Guidelines are exempt from the requirements of CEQA; and
2. Approve Proposed Amendments to BACT Guidelines, Parts B and D.

Wayne Nastri
Executive Officer

MMM:AHB:TL

Background

SCAQMD's Regulation XIII – New Source Review (NSR), requires permit applicants to use BACT for new sources, relocated sources and modifications to existing sources that may result in an emission increase of any nonattainment air contaminant, any ozone depleting compound (ODC) or ammonia. Regulation XIII also requires the Executive Officer to periodically publish BACT Guidelines that establish the procedures and requirements for applying BACT to commonly permitted equipment.

The BACT Guidelines are separated into two parts: 1) major polluting facilities, and 2) non-major polluting facilities. A facility is a major polluting facility if it emits, or has the potential to emit, a criteria air pollutant at a level that equals or exceeds the emission thresholds in SCAQMD's Regulation XXX - Title V Permits. Major polluting facilities that are subject to NSR are required by the federal Clean Air Act (CAA) to have the

Lowest Achievable Emission Rate (LAER). The federal CAA requirement for LAER is implemented through BACT in the SCAQMD. The Part B BACT and LAER determinations for major polluting facilities are only examples of past determinations that help in determining LAER for new permit applications. At the state level, California Health and Safety Code (H&SC) Section 40405 defines BACT in a similar manner to federal LAER and requires the application of BACT for all new and modified permitted sources subject to NSR. For non-major polluting facilities, minor source BACT (MSBACT) is as specified in Part D of the BACT Guidelines and determined in accordance with state law H&SC Section 40440.11 at the time an application is deemed complete. In updating Part D with new or more stringent MSBACT, SCAQMD must follow a more rigorous process than for major polluting facilities, including a cost-effectiveness analysis, notification to the public, presentation at a BACT Scientific Review Committee (BACT SRC) meeting and Board approval.

The BACT SRC was established as a standing committee by the Board to enhance the public participation process with technical review and comments by a focused committee at periodic intervals, prior to the updates of the BACT Guidelines.

Proposed Amendments to the BACT Guidelines

The proposed amendments are to add new as well as update BACT listings in Parts B and D of the BACT Guidelines and maintain consistency with recent changes to SCAQMD rules and state requirements. The BACT SRC and other interested parties were provided with detailed descriptions of the proposed amended BACT Guidelines at scheduled publicly noticed meetings on April 4, 2017, May 24, 2017, October 26, 2017 and December 12, 2017. The proposed amendments to the BACT Guidelines were posted on SCAQMD's website and two 30-day public comment periods were provided. Comments by BACT SRC members and the general public, and staff responses are included in Attachment F.

Making the Online BACT Guidelines User Friendly

Staff is continually identifying ways to make the interactive experience with the online BACT Guidelines more user friendly. Through staff input and suggestions from the public, new ideas are evaluated and taken into consideration for future implementation. Staff proposes to add a link in the BACT Guidelines webpage titled "EQUIPMENT CATEGORY SEARCH." By clicking this link, users will be able to more efficiently and expeditiously search for specific equipment BACT requirements for both major and non-major sources.

New and Updated Listings, Part B - LAER/BACT Determinations for Major Polluting Facilities

Part B consists of three sections: Section I contains listings of LAER/BACT determinations made by SCAQMD; Section II contains listings of LAER/BACT determinations for equipment in other air districts; and Section III contains listings of

emerging technologies which have been in operation with an air quality permit but do not yet qualify as LAER. The proposed Part B LAER/BACT determinations of Section I and emerging technologies or Section III are summarized below with the complete proposed determinations included in Attachment B. The other portions of Sections I, II and III are not included in this Board package because they are not being updated at this time.

Section I – SCAQMD LAER/BACT Determinations

Six new proposed listings include Furnace-Heat Treating Aluminum ≤ 900 degrees Fahrenheit ($^{\circ}\text{F}$), Food Oven-Bakery with add-on control, Food Oven-Tortilla Chip, Food Oven-Snack Food, Flare-Biogas and Flare-Landfill. Two proposed updated listings include Boiler and Internal Combustion (I.C.) Engine-Digester Gas-Fired.

The new “Furnace-Heat Treating Aluminum $\leq 900^{\circ}\text{F}$ ” listing is for a custom-built Carlton Forge Works furnace with a 5 million British thermal units per hour (MMBtu/hr) Low NO_x burner used for heating aluminum billets prior to the forging process. This furnace was permitted to not exceed 900°F with NO_x emission level of 30 ppm corrected to 3 percent oxygen (O₂). The furnace commenced operation and was source tested in mid-2014 and has operated since that time. The source test showed the furnace complied with the NO_x emission limit.

The new “Food Oven-Bakery with add-on control” listing is for four bakery ovens with burners ranging from 2.8 MMBtu/hr to 5.4 MM Btu/hr used to bake rolls and buns vented to a 4 MMBtu/hr catalytic oxidizer to control VOC emissions. The ovens were permitted to meet a NO_x emission limit of 40 ppm corrected to 3 percent O₂ and the catalytic oxidizer to meet 30 ppm NO_x with a 95 percent overall VOC control efficiency. Both the ovens and oxidizer began operation in mid-2014 and were source tested in 2016. The source test showed the ovens and oxidizer complied with the permitted emission limits.

The new “Food Oven-Tortilla Chip” listing is for an oven with both 1.742 MMBtu/hr infrared and 4.032 MMBtu/hr ribbon burners used to dry and bake corn dough into tortilla chips prior to cooking in deep fat fryer. The oven was permitted to meet a NO_x emission limit of 54 ppm corrected to 3 percent O₂ and began operation in early 2014. The oven was source tested in early 2015 and showed compliance with the permitted emission limits.

The new “Food Oven-Snack Food” listing is for an oven with a 1.6 MMBtu/hr low NO_x burner used to bake corn meal cheese puffs. The oven was permitted to meet a NO_x emission limit of 25 ppm corrected to 3 percent O₂ and began operation in early 2008. The oven was source tested in 2009 and showed compliance with the permitted emission limits.

The new “Flare-Digester Gas” listings are for two digester gas-fired flares. The first is a 12 MMBtu/hr enclosed ground flare which operates intermittently as needed to incinerate excess digester gas not used as fuel in the boilers, fuel cell or to relieve pressure from

storage tanks. This flare was permitted to achieve NO_x, VOC and CO emission levels of 0.025, 0.038 and 0.06 pounds per million British thermal units (lb/MMBtu), respectively, at an operating temperature of 1600°F or greater. The flare commenced operation and was source tested in late 2011 and has operated since that time. The source test showed the flare complied with the emission and temperature limits. The second is a 39.3 MMBtu/hr enclosed ground flare which operates intermittently to incinerate excess digester gas vented from food waste and manure anaerobic digesters. This flare was permitted to achieve 0.025 lb NO_x/MMBtu, 0.06 lb CO/MMBtu and 5.5 lb VOC/day at an operating temperature of 1500°F or greater. The flare commenced operation and was source tested in late 2008 and has operated since that time. The source test showed the flare complied with the emission and temperature limits.

The new “Flare-Landfill Gas, Active, Solid Non-Hazardous Waste” listing is for a 120MMBtu/hr enclosed ground flare which operates to incinerate landfill gas vented from a collection system. This flare was permitted to achieve 0.025 lb NO_x/MMBtu, 0.06 lb CO/MMBtu and 1.33 lb VOC/hr at an operating temperature of 1400°F or greater. The flare commenced operation and was source tested in late 2009 and has operated since that time. The source test showed the flare complied with the emission and temperature limits.

The “Boilers” LAER category is being updated with a listing of a 39.9 MMBtu/hr water tube boiler with low NO_x burner and selective catalytic reduction (SCR) which provides steam for laundry facilities, hospital heating and sterilization procedures. This boiler was permitted to achieve 5 ppm NO_x and 100 ppm CO, both corrected to 3 percent O₂. The boiler commenced operation in mid-2015 and has operated since that time. A source test was conducted in mid-2016 which showed compliance with the permitted emission limits.

The “I.C. Engine-Digester Gas Fired” LAER category is being updated with a listing of a 3,471 horsepower (HP), 2500 kilo Watts (kW) I.C. Engine with digester gas clean-up system, oxidation catalyst and SCR. The engine is fueled with biogas from digester tanks at a wastewater treatment facility and generates electrical power and waste heat for the facility. This engine was permitted to achieve emission limits of 11ppm NO_x, 30ppm VOC and 250ppm CO, all corrected to 15 percent O₂ in accordance with SCAQMD Rule 1110.2 - Emissions from Gaseous and Liquid-Fueled Engines. The engine commenced operation and was source tested in 2010 and has operated since that time. The source test showed compliance with the permitted emission limits.

Section III – Other Technologies

Staff is proposing to clarify the intent of this section to indicate that these listings are of emerging technologies which have been in operation with an air quality permit but do not yet qualify as LAER. Staff continues to gather performance, reliability, maintenance and other relevant data on these emerging technologies as part of the process for establishing achieved in practice LAER status. Once staff makes a determination that an emerging technology meets the minimum requirements established in the BACT Guidelines for

LAER, it will be recommended for LAER in Part B, Section I or II. The two new proposed listings for Section III include an I.C. Engine-Emergency Compression Ignition with particulate matter (PM) Trap and SCR and a Distributed Generation Fuel Cell with Digester Gas Clean-Up System. Staff is awaiting further operational performance testing prior to making a determination for proposed LAER recommendation for these technologies.

The “I.C. Engine, Stationary, Emergency, Electrical Generators” listing is for a 1,490 BHP, 1000 kW I.C. Engine equipped with exhaust aftertreatment system consisting of SCR and diesel particulate filter. The engine is also equipped with an exhaust heater/load bank and control to regulate temperatures and assure full SCR efficiency. The engine has been installed and operated as emergency standby at a facility that manufactures industrial gases. The engine complies with EPA Tier 4 emission standards of 0.14, 0.5, 2.61 and 0.022 grams per brake horsepower-hour of non-methane hydrocarbons (g/bhp-hr NMHC), NO_x, CO and PM, respectively. Emissions testing was done on the ISO 8178 D2 cycle consistent with constant speed stationary engines. The engine was permitted and commenced operation in late 2015 and continues operation to date.

The “Fuel Cell Electricity Generator-Digester Gas Fueled” listing is for a 1.4 megawatt (MW) fuel cell, molten carbonate, equipped with biogas clean up system, start-up air heater and 2.5 MMBtu/hr exhaust heat recovery unit. The fuel cell is fueled with biogas from digester tanks at a wastewater treatment facility and generates electrical power and waste heat for the facility. The fuel cell was permitted to comply with emission limits of 0.07, 0.1 and 0.1 pounds per megawatt-hour (lbs/MW-hr) NO_x, VOC and CO, respectively. The fuel cell commenced operation in late 2015, continues to operate and was source tested in late 2016 to show compliance with the permitted emission limits.

Proposed Amendments to Part D BACT Determinations for Non-Major Polluting Facilities

Part D consists of BACT determinations for minor sources which are established in accordance with state law at the time an application is deemed complete. The proposed new and updated amendments to Part D are for equipment and processes which have been achieved in practice and to maintain consistency with recent changes to SCAQMD rules and state requirements. All proposed Part D amendments and updates, with the exception of add-on control listings for Printing (Graphic Arts)-Flexographic and Bakery Oven with Yeast Leavened Products ≥ 30 lb VOC/day, will not result in more stringent requirements than would otherwise occur through SIP-approved rule compliance which constitutes MSBACT under Part C – Policy Guidance. Therefore, it was not required for staff to evaluate the achieved-in-practice status nor cost effectiveness of these underlying technologies. The proposed amendments comply with the requirements of H&SC Section 40440.11. The proposed Part D BACT determinations are summarized below with the complete proposed amended Part D included in Attachment C.

Printing (Graphic Arts)-Flexographic

--Current Language

Minor source BACT for flexographic printing is use of inks ≤ 1.5 lbs VOC/gallon, less water and less exempt compounds in addition to compliance with SCAQMD Rules 1130 - Graphic Arts and 1171 - Solvent Cleaning Operations.

--Proposal

Ultraviolet/electron beam (UV/EB) and water-based inks and coatings are widely used in the flexographic printing industry. The use of these inks and coatings typically result in lower VOC emissions and have been used in the flexographic printing industry for many years. The use of these low VOC ink and coating technologies as an alternate equivalent option for BACT compliance in specific applications will lead to increased implementation and further reduction of emissions.

Staff is proposing to add language to this BACT determination stating “or use of UV/EB or water-based inks/coatings ≤ 180 grams of volatile organic compound per liter (g VOC/l).” This proposed BACT equivalent compliance option is consistent with the existing VOC limit of ≤ 1.5 lbs /gal limit and encourages the use of low VOC materials while still complying with applicable requirements under Rules 1130 and 1171. Staff is also proposing to add the subcategory of Add-On Control to Flexographic Printing consisting of the installation of a regenerative thermal oxidizer as an emission control compliance option allowed under Rule 1130 (c)(5) which is discussed in the “Compliance with Health and Safety Code” section below.

Printing (Graphic Arts) - Lithographic or Offset, Heatset

--Current Language

Minor source BACT for lithographic or offset, heatset printing is use of low VOC fountain solution ($\leq 8\%$ by volume); low vapor pressure (≤ 10 millimeters of mercury (mm Hg)) or low VOC (≤ 100 g/l) blanket and roller washes; oil-based or UV-curable inks and compliance with SCAQMD Rules 1130 and 1171.

--Proposal

To be consistent with the requirements of Rule 1130, staff is proposing to remove language stating “low vapor pressure (≤ 10 millimeters of mercury (mm Hg))”. Staff is also proposing to move afterburner add-on control listing from PM10 column to VOC column to reflect correct criteria pollutant control.

Printing (Graphic Arts) - Screen Printing and Drying

--Current Language

Minor source BACT for screen printing and drying is compliance with SCAQMD Rules 1130.1- Screen Printing Operations and 1171.

--Proposal

UV/EB and water-based inks and coatings are widely used in the screen printing and drying industry. These type of inks and coatings have been manufactured with low VOC content and used in the screen printing and drying industry for many years. Identifying the use of these low VOC ink and coating technologies as an alternate equivalent option for BACT compliance in specific applications will lead to increased implementation and further reduction of emissions.

Staff is proposing to add language to this BACT determination stating “or use of Rule 1130.1 and 1171 compliant UV/EB or water-based inks/coatings.” This new BACT compliance option is consistent with the existing applicable rule requirements and encourage the use of low VOC materials.

Food Oven – Ribbon Burner, Direct Fired Burner, Infrared Burner and Other Burners

--Current Language

Part D of the BACT guidelines does not list a specific Equipment/Process category for food ovens. The Equipment/Process category of “Dryer or Oven”, subcategory “Other Dryers and Ovens – Direct and Indirect Fired” has been used to address BACT for food ovens. With the adoption of Rule 1153.1 - Emissions of Oxides of Nitrogen from Commercial Food Ovens specific emission standards for commercial food ovens were established.

--Proposal

Staff is proposing to add a new Equipment/Process category of “Food Oven” with subcategories of “Ribbon Burner, Direct Fired Burner, Infrared Burner, and Other Burners” which will be in line with current BACT and rule requirements. This new BACT category for food ovens will establish a dedicated listing that can be referenced for BACT applicability purposes. Staff has included achieved in practice BACT determination examples of the subcategories under Food Oven in Attachment C. Staff is also proposing to add the subcategory of “Add-on control for Bakery Oven processing yeast leavened products with emissions ≥ 30 lb VOC/day” which is discussed in the “Compliance with Health and Safety Code” section below.

I.C. Engine, Stationary, Non-Emergency, Electrical Generators

--Current Language

Part D of the BACT Guidelines has an Equipment/Process category listing for “I.C. Engine, Stationary, Non-Emergency.” Due to recent amendments to Rule 1110.2, staff has recognized the need for a new Equipment/Process category to address stationary, non-emergency I.C. engines that generate electrical power.

--Proposal

Staff proposes to replace the current BACT determination of “I.C. Engine, Stationary, Non-Emergency” with a new BACT determination of “I.C. Engine, Stationary, Non-Emergency, Electrical Generators.” This new listing will incorporate the existing Rule 1110.2 limits and requirements listed below for new or modified engines subject to BACT rated greater than 50 bhp and taking into account applicable thermal credit. Staff has included achieved in practice BACT determination examples for electrical generation stationary non-emergency I.C. Engines in Attachment C.

NO _x lbs/MW-hr @ 15% O ₂	VOC ¹ lbs/MW-hr @ 15% O ₂	CO lbs/MW-hr @ 15% O ₂
0.07	0.10	0.20

¹measured as carbon

I.C. Engine, Stationary, Non-Emergency, Non-Electrical Generators

--Current Language

The Equipment/Process category BACT listing for “I.C. Engine, Stationary, Non-Emergency, Non-Electrical Generators” applies to stationary, non-emergency engines that do not generate electrical power. The proposed replacement of BACT determination “I.C. Engine, Stationary, Non-Emergency” with “I.C. Engine, Stationary, Non-Emergency, Electrical Generators” will require removal of footnote one under “I.C. Engine, Stationary, Non-Emergency, Non-Electrical Generators” which notes this future pending action.

--Proposal

Staff proposes to delete footnote number one under BACT determination “I.C. Engine, Stationary, Non-Emergency, Non-Electrical Generators” which will no longer apply due to proposed new BACT determination “I.C. Engine, Stationary, Non-Emergency, Electrical Generators.”

I.C. Engine, Stationary, Non-Emergency

--Current Language

The proposed BACT Equipment/Process category “I.C. Engine, Stationary, Non-Emergency, Electrical Generators” supersedes the category “I.C. Engine, Stationary, Non-Emergency”. These are redundant categories as they both apply to stationary, non-emergency engines that generate electrical power. This will require removal of footnote

one under “I.C. Engine, Stationary, Non-Emergency, Non-Electrical Generators” which notes this future pending action.

--Proposal

Staff proposes to delete the BACT Equipment/Process category listing “I.C. Engine, Stationary, Non-Emergency” which will be replaced with BACT Equipment/Process category listing “I.C. Engine, Stationary, Non-Emergency, Electrical Generators.”

I.C. Engine, Portable

--Current Language

Equipment/Process category listing for “I.C. Engine, Portable” includes emission requirements that mirror the California Air Resources Board Airborne Toxic Control Measure (CARB ATCM) Tier requirements for portable engines. CARB has updated their emission requirements for portable engines rated at 75 HP up to 174 HP to Tier 4 final.

--Proposal

To maintain consistency with the CARB ATCM Tier requirements for portable engines rated 75 to 174 HP staff is proposing to amend the “I.C. Engine, Portable” BACT listing for the same portable engine rating range with the requirement to meet Tier 4 Final emission standards.

Dryer or Oven

--Current Language

Equipment/Process category listing for “Dryer or Oven” has a subcategory of “Other Dryers and Ovens – Direct and Indirect Fired” which has been used to address BACT for food ovens. With the adoption of Rule 1153.1 specific emission standards for commercial food ovens were established. Staff is also proposing a new Equipment/Process category of “Food Oven” to establish a dedicated listing that can be referenced for BACT applicability purposes.

--Proposal

For clarification, staff proposes to add a footnote under the “Dryer or Oven” BACT listing stating “Does not include food or bakery ovens. See listing for ‘Food Oven’.”

Correction to Part C – Policy and Procedures for Non-Major Polluting Facilities

During the publication of the BACT Guidelines after the approved amendments from the December 2, 2016 Board meeting, section titled “Equipment Not Identified in the MSBACT Guidelines” was inadvertently omitted. Staff is proposing to include the original language in Part C of the BACT Guidelines.

Compliance with Health and Safety Code

In amending the BACT guidelines for non-major polluting facilities to be more stringent, SCAQMD must comply with H&SC Section 40440.11. Staff is proposing two new BACT

determinations in Part D; 1) Printing (Graphic Arts) Flexographic – Add-on control of Regenerative Thermal Oxidizer and 2) Food Oven – Catalytic Oxidizer Add-on Control for Bakery Oven processing yeast leavened products with emissions ≥ 30 lb VOC/day. The following paragraphs identify the applicable requirements in H&SC Section 40440.11 and demonstrate compliance with each requirement:

(c)(1) Identify one or more potential control alternatives that may constitute the best available control technology as defined in section 40405.

Printing (Graphic Arts) Flexographic: Potential control alternative is compliance with Rule 1130.

Food Oven – Bakery Oven: Potential control alternative is installation of a regenerative thermal oxidizer.

(c)(2) Determine that the proposed emission limitation has been met by production equipment, control equipment, or a process that is commercially available for sale, and has achieved the best available control technology in practice on a comparable commercial operation for at least one year, or a period longer than one year if a longer period is reasonably necessary to demonstrate the operating and maintenance reliability, and costs, for an operating cycle of the production or control equipment, or process.

Printing (Graphic Arts) - Flexographic: Regenerative Thermal Oxidizer technology has been commercially available for many years as a method for control of VOCs in an exhaust air stream. Staff has included a BACT determination citing an achieved in practice application of a RTO controlling VOC emissions from a Flexographic Printing Press. The equipment under this proposed BACT determination commenced operation in December 2013 and was source tested to verify performance and emission control.

Food Oven – Bakery Oven: Catalytic Oxidizer (CatOx) technology has been commercially available for many years as a method for control of VOCs in an exhaust air stream. Staff has included a BACT determination citing an achieved in practice application of a CatOx controlling VOC emissions from a bakery oven. The equipment under this proposed BACT determination commenced operation in September 2007 and was source tested to verify performance and emission control.

(c)(3) Review the information developed to assess the cost-effectiveness (annual cost of control divided by annual emission reduction potential) of each potential control alternative.

Printing (Graphic Arts) Flexographic: The potential control alternative is compliance with Rule 1130 for which a socioeconomic analysis was done at the time of rule adoption or amendments, when applicable.

Food Oven - Bakery Oven: The potential control alternative is the installation of a regenerative thermal oxidizer for which the cost effectiveness calculations are included in Attachment D.

(c)(4) Calculate the incremental cost-effectiveness for each potential control option (difference in cost divided by difference in emissions for each progressively more stringent control option)

See attached cost-effectiveness calculations.

(c)(5) Place the best available control technology revision proposed on the calendar of a regular meeting agenda of the SCAQMD board for its acceptance or further action as the board determines.

The proposed revisions to the BACT Guidelines were placed on the agenda of the February 2, 2018 meeting of the SCAQMD Board.

Presentation to BACT Scientific Review Committee

The proposed amendments to the BACT Guidelines were presented to the BACT SRC at publicly noticed meetings on April 4, 2017, May 24, 2017, October 26 2017, and December 12, 2017. Two 30-day comment periods were provided to the BACT SRC and general public to review and submit comments. Comments by BACT SRC members and the general public along with staff responses are included in Attachment F.

CEQA

SCAQMD staff has reviewed the proposed amendments to the BACT Guidelines, pursuant to CEQA Guidelines Section 15002(k) – General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA, and CEQA Guidelines Section 15061 – Review for Exemption, procedures for determining if a project is exempt from CEQA. The proposed amendments are comprised of updates to the existing requirements and new LAER/BACT determinations in the BACT Guidelines to reflect the most current achieved-in-practice air pollution control equipment and/or processes. In addition, SCAQMD staff has conducted an analysis to demonstrate compliance with California Health and Safety Code Section 40440.11, which shows that the achieved in practice controls are both economically and technically feasible for minor sources. SCAQMD staff has also determined that it can be seen with certainty that there is no possibility that the proposed amendments to the BACT Guidelines may have a significant adverse effect on the environment. Thus, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Activities Covered by General Rule. A Notice of Exemption will be prepared pursuant to CEQA Guidelines Section 15062 - Notice of Exemption, and if the project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.

Socioeconomic Analysis

The proposed amendments of the BACT Guidelines are to maintain consistency with recent changes to SCAQMD rules and state requirements. These proposed amendments represent achieved in practice emission control equipment and/or processes in addition to other amendments which are administrative in nature and will therefore not result in more stringent requirements than would otherwise occur and would not result in any significant socioeconomic impacts.

Benefits to SCAQMD

Emission reductions realized through new, modified and relocated permitted sources that apply the latest BACT will benefit air quality, achieve emissions reductions needed to attain air quality standards and help improve public health in the SCAQMD's jurisdiction. In addition, the successful implementation of BACT for permitted stationary sources will contribute towards achieving the air quality objectives of SCAQMD's Air Quality Management Plan.

Resource Impacts

Existing SCAQMD resources will be sufficient to implement the proposed changes to the BACT Guidelines.

Recommendation

This Board letter serves as the staff report on proposed amendments to the BACT Guidelines. Staff recommends that the Board approve the proposed amendments of Parts B and D and determine that the proposed amendments to the BACT Guidelines are exempt from the requirements of CEQA.

The updated BACT Guidelines with the proposed amendments are scheduled to be made available on SCAQMD's website at <http://www.aqmd.gov/home/permits/bact>, pending Board approval.

Attachments

- A. Summary of Proposed Amendments to BACT Guidelines
- B. Proposed Amended BACT Guidelines Part B
- C. Proposed Amended BACT Guidelines Part D
- D. Cost Effectiveness Calculations
- E. Notice of Exemption
- F. Comments and Responses
- G. Board Meeting Presentation

ATTACHMENT A

SUMMARY OF PROPOSED AMENDMENTS TO BACT GUIDELINES

New LAER/BACT Part B, Section I – SCAQMD LAER

- a. Furnace, Heat Treating Aluminum $\leq 900^{\circ}\text{F}$
- b. Food Oven, Bakery with CatOx add-on control
- c. Food Oven, Tortilla Chip
- d. Food Oven, Snack Food
- e. Flare, Digester Gas, 12MMBtu/hr & 39.3MMBtu/hr
- f. Flare, Landfill Gas, 120MMBtu/hr

Updated LAER/BACT Part B, Section I – SCAQMD LAER

- a. Boiler, 39.9MMBtu/hr
- b. I.C. Engine – Digester Gas-Fired, 3471 BHP, 2500kW

New Part B, Section III – Other Technologies

These are emerging technologies which have been in operation with an air quality permit, however do not yet qualify as LAER

- a. I.C. Engine, Stationary, Emergency, 1 MW with SCR and PM Trap
- b. Fuel Cell, Electricity Generator- Digester Gas-fueled, 1.4MW Electrical Power Generation with digester gas clean up

Part D – Minor Source BACT

- a. Update - Dryer or Oven
- b. New - Food Oven – Ribbon, Direct fired and Infrared burners, Other burners and Add-on control for bakery oven
- c. Update - I.C. Engine, Portable (Tier 4 Final, $75 \leq \text{HP} < 175$)
- d. Update - I.C. Engine, Stationary, Non-Emergency, Non-Electrical Generators
- e. New – I.C. Engine, Stationary, Non-Emergency, Electrical Generators
- f. Remove - I.C. Engine, Stationary, Non-Emergency
- g. Updated - Printing, Graphic Arts – Flexographic, Add-on control
- h. Updated - Printing, Graphic Arts – Lithographic or Offset, Heatset
- i. Updated - Printing, Graphic Arts – Screen Printing and Drying

ATTACHMENT B



Part B, Section 1, SCAQMD BACT Determination

Source Type: **Major/LAER**
Application No.: **560283, 560285**
Equipment Category: **Furnace, Heating**
Equipment Subcategory: **Aluminum, $\leq 900^{\circ}\text{F}$**
Date: **September 15, 2016**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: Custom		B. MODEL: Aluminum	
C. DESCRIPTION: Aluminum forging furnace			
D. FUNCTION: Furnace heats aluminum billets prior and during forging process			
E. SIZE/DIMENSIONS/CAPACITY: 32'-9" x 11'-10.5" x 6'-2.5"			
COMBUSTION SOURCES			
F. MAXIMUM HEAT INPUT: 5.0 MMBtu/hr			
G. BURNER INFORMATION			
TYPE	INDIVIDUAL HEAT INPUT		NUMBER
ECLIPSE WINNOX	5.0 MMBtu/hr		1
H. PRIMARY FUEL: NATURAL GAS		I. OTHER FUEL: N/A	
J. OPERATING SCHEDULE: 24 7 52			
K. EQUIPMENT COST:			
L. EQUIPMENT INFORMATION COMMENTS:			

2. COMPANY INFORMATION

A. COMPANY: Carlton Forge Works		B. FAC ID: 22911	
C. ADDRESS: 7743 E. Adams St. CITY: Paramount STATE: CA ZIP: 90723		D. NAICS CODE: 33211	
E. CONTACT PERSON: Armando Bautista		F. TITLE:	
G. PHONE NO.: (562) 633-1131		H. EMAIL: abautista@cfworks.com	

3. PERMIT INFORMATION

A. AGENCY: SCAQMD	B. APPLICATION TYPE: MODIFICATION
C. SCAQMD ENGINEER: Monica Fernandez-Neild	
D. PERMIT INFORMATION: PC ISSUANCE DATE: 5/27/14 P/O NO.: G42717,-8 PO ISSUANCE DATE: 9/19/2016	
E. START-UP DATE: 8/1/2014	
F. OPERATIONAL TIME: 2+ years	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES:						
	VOC	NOx	SOx	CO	PM OR PM ₁₀	INORGANIC
BACT Limit		30 PPMV	NATURAL GAS			NATURAL GAS
Averaging Time		1 HOUR				
Correction		@ 3% O ₂				
B. OTHER BACT REQUIREMENTS:						
C. BASIS OF THE BACT/LAER DETERMINATION: Achieved in Practice/New Technology						
D. EMISSION INFORMATION COMMENTS: The BACT requirements are based on Part D of the BACT Guidelines. No more stringent, achieved in practice, requirements were found in EPA, CARB, or SCAQMD BACT listings or elsewhere.						

5. CONTROL TECHNOLOGY

A. MANUFACTURER: Eclipse Winnox		B. MODEL: Low NOx	
C. DESCRIPTION: Low NOx burner			
D. SIZE/DIMENSIONS/CAPACITY:			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. 560283,-5 PC ISSUANCE DATE: 5/27/14 PO NO.: G42717, -8 PO ISSUANCE DATE: 9/9/2016			
F. REQUIRED CONTROL EFFICIENCIES:			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	%	%	%
NOx	%	%	%
SOx	%	%	%
CO	%	%	%
PM	%	%	%
PM ₁₀	%	%	%
INORGANIC	%	%	%
G. CONTROL TECHNOLOGY COMMENTS			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: Method 100.1 Source Test
B. DATE(S) OF SOURCE TEST: 10/5/2014 and 10/19/2014
C. COLLECTION EFFICIENCY METHOD: N/A
D. COLLECTION EFFICIENCY PARAMETERS: N/A
E. SOURCE TEST/PERFORMANCE DATA: <10 PPMV NOx @3% O2 for both furnaces, and <143 PPMV CO @3% O2 (CO was measured well below 20% of full scale and was increased to 20% of scale or 40 ppmvd and corrected to 3% O2
F. TEST OPERATING PARAMETERS AND CONDITIONS:
G. TEST METHODS (SPECIFY AGENCY): SCAQMD Method 100.1
H. MONITORING AND TESTING REQUIREMENTS:
I. DEMONSTRATION OF COMPLIANCE COMMENTS:

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT:	B. CCAT:	C. APPLICATION TYPE CODE: 50	
D. RECLAIM FAC? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S):	
G. SCAQMD SOURCE SPECIFIC RULES:			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR:	H2. MICR DATE:	H3. CANCER BURDEN:	H4. CB DATE:
H5. HIA:	H6. HIA DATE:	H7. HIC:	H8. HIC DATE:



**South Coast
AQMD**

Part B, Section 1, SCAQMD BACT Determination

Source Type:

Major/LAER

Application No.:

Oven 1-580239, Oven 1B-580240, Oven 5-440543, Oven 6-440544, Cat Ox-563257

Equipment Category:

Food Oven

Equipment Subcategory:

Bakery

Date:

April 7, 2016

1. EQUIPMENT INFORMATION

A. MANUFACTURER: Oven No. 1 and 1B; Chubco/Winkler; Oven No. 5 Baker Perkins; Oven No 6 Lanham Machinery		B. MODEL: #1 – BE/W; #1B – Superflo 2328075, #5- 960, #6- N/A
C. DESCRIPTION: Four bakery ovens manifolded to a single catalytic oxidizer for VOC control		
D. FUNCTION: Four natural gas-fired bakery ovens are used to bake bread products such as rolls and buns. Yeast is used in the products resulting in the release of VOCs which are collected by a ventilation system and control by a catalytic oxidizer		
E. SIZE/DIMENSIONS/CAPACITY: Catalytic Oxidizer – 7' W x 20' L x 6' H with a 50 HP blower		
COMBUSTION SOURCES		
F. MAXIMUM HEAT INPUT: Cat Ox 4.0 MMBtu/hr; Oven 1 – 3.2 MMBtu/hr; Oven 5 – 2.8 MMBtu ; Oven 1B – 5.4 MMBtu/hr; Oven 6 – 3.2 MMBtu/hr		
G. BURNER INFORMATION		
TYPE	INDIVIDUAL HEAT INPUT	NUMBER
OVEN 1 UNKNOWN "LOW NOX"	1.6 MMBtu/hr	2
OVEN 1B UNKNOWN "LOW NOX"	5.4 MMBtu/hr	1
OVEN 5 – BAKER PERKINS		42
OVEN 6 – FLYNN NO. 156HN		24
CAT OX – MAXON OVENPACK 400 EB-4 BURNER	4.0 MMBtu/hr	1
H. PRIMARY FUEL: NATURAL GAS		I. OTHER FUEL: N/A
J. OPERATING SCHEDULE: 24 HRS/DAY 7 DAYS/WEEK 52 WKS/YR		
K. EQUIPMENT COST:		
L. EQUIPMENT INFORMATION COMMENTS: OPERATING TEMP LESS THAN 500OF		

2. COMPANY INFORMATION

A. COMPANY: Galasso's Bakery		B. FAC ID: 72351
C. ADDRESS: 10820 San Sevaine Way CITY: Mira Loma STATE: CA ZIP: 91752		D. NAICS CODE: 311812
E. CONTACT PERSON: Brian Workman		F. TITLE: Chief Engineer
G. PHONE NO.: (951) 360-1211	H. EMAIL: bworkman@galassos.com	

DRAFT

3. PERMIT INFORMATION

A. AGENCY: SCAQMD	B. APPLICATION TYPE: OTHER
C. SCAQMD ENGINEER: Vicky Lee	
D. PERMIT INFORMATION: PC ISSUANCE DATE: P/O NO.: G43113, G43117, F83743, F83744, G32643 PO ISSUANCE DATE: 10/6/2016	
E. START-UP DATE:	
F. OPERATIONAL TIME: > 10 years	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES:						
	VOC	NOx	SOx	CO	PM OR PM₁₀	INORGANIC
BACT Limit	CAT Ox: 95% OVERALL CONTROL EFFICIENCY (MASS BASIS)	Ovens: 40 PPM CAT Ox: COMPLIANCE WITH RULE 1147 AT TIME OF APPLICABILITY.		Ovens: 800 PPMV (COMPLIANCE WITH RULE 1153.1)		
Averaging Time	CAT OX: 1 HR	Ovens: 15 MIN		Ovens: COMPLIANCE WITH RULE 1153.1		
Correction		Ovens: 3% O2		Ovens: COMPLIANCE WITH RULE 1153.1		
B. OTHER BACT REQUIREMENTS:						
C. BASIS OF THE BACT/LAER DETERMINATION: Achieved in Practice/New Technology						
D. EMISSION INFORMATION COMMENTS:						

5. CONTROL TECHNOLOGY

A. MANUFACTURER: Anguil		B. MODEL: 100	
C. DESCRIPTION: Catalytic Oxidizer			
D. SIZE/DIMENSIONS/CAPACITY: 4.00 MMBtu/hr Maxon burner venting ovens Oven 1, 1B, 5 and 6			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. 563257 PC ISSUANCE DATE: PO NO.: G32643 PO ISSUANCE DATE: 10/6/2016			
F. REQUIRED CONTROL EFFICIENCIES:			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	95%	%	%
NO _x	%	%	%
SO _x	%	%	%
CO	%	%	%
PM	%	%	%
PM ₁₀	%	%	%
INORGANIC	%	%	%
G. CONTROL TECHNOLOGY COMMENTS Inlet temp catalyst bed $\geq 600^{\circ}\text{F}$. Average uncontrolled emission rate 14.7 lb. VOC/day/oven (from permit evaluation)			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: Source Test
B. DATE(S) OF SOURCE TEST: Cat Ox (VOC) April 6, 2006 & March 8, 2011, Ovens (NO _x): #1- May 21, 2015, #1B - April 8, 2016, #5 - June 9, 2006, #6 - June 21, 2006
C. COLLECTION EFFICIENCY METHOD: Smoke test
D. COLLECTION EFFICIENCY PARAMETERS: Inward air flow at oven openings. Exhaust rate 3556 dscfm (inlet to Cat Ox).
E. SOURCE TEST/PERFORMANCE DATA: Actual Control Efficiency 95.04%, Inlet VOC 20.6 lb/hr Outlet 1.02 lb/hr (both as ethanol). Outlet VOC Conc. 34.3 ppmv VOC (as ethanol).
F. TEST OPERATING PARAMETERS AND CONDITIONS: Normal operation processing rolls, bread sticks and buns
G. TEST METHODS (SPECIFY AGENCY): SCAQMD Method 25.1 and 25.3, SCAQMD Method 100.1

H. MONITORING AND TESTING REQUIREMENTS:
I. DEMONSTRATION OF COMPLIANCE COMMENTS:

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT:	B. CCAT:	C. APPLICATION TYPE CODE:	
D. RECLAIM FAC? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	E. TITLE V FAC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S): PR11031, 06151A-B, 14410	
G. SCAQMD SOURCE SPECIFIC RULES: 1153, 1153.1			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR:	H2. MICR DATE:	H3. CANCER BURDEN:	H4. CB DATE:
H5: HIA:	H6. HIA DATE:	H7. HIC:	H8. HIC DATE:



Part B, Section 1, SCAQMD BACT Determination

Source Type: **Major/LAER**

Application No.: **551284**

Equipment Category: **Food Oven**

Equipment Subcategory: **Tortilla Chip Oven**

Date: **March 8, 2017**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: Casa Herrera		B. MODEL: C1 120-28 RGX (E)
C. DESCRIPTION: Natural gas-fired food oven to dry and bake tortilla chips.		
D. FUNCTION: Food oven equipped with IR burners to dry masa and ribbon burners to bake masa into tortilla chips prior to cooking in a deep fat fryer.		
E. SIZE/DIMENSIONS/CAPACITY:		
COMBUSTION SOURCES		
F. MAXIMUM HEAT INPUT: 5.774 MMBtu/hr		
G. BURNER INFORMATION		
TYPE	INDIVIDUAL HEAT INPUT	NUMBER
CASA HERRERA ENSIGN RIBBON	4.032 MMBtu/hr	
IR IET COMB. ULTRA GLO 7D-400P	1.742 MMBtu/hr	
H. PRIMARY FUEL: NATURAL GAS		I. OTHER FUEL: N/A
J. OPERATING SCHEDULE: 24 7 52		
K. EQUIPMENT COST:		
L. EQUIPMENT INFORMATION COMMENTS: RECLAIM Device ID D85. The facility also operates an identical line under D86, Appl. No. 551289, which has identical emission limits.		

2. COMPANY INFORMATION

A. COMPANY: Frito-Lay, Inc.		B. FAC ID: 000346
C. ADDRESS: 9535 Archibald Ave. CITY: Rancho Cucamonga STATE: CA ZIP: 91730		D. NAICS CODE: 311919
E. CONTACT PERSON: Bob Biasci		F. TITLE: Technical Director
G. PHONE NO.: (909) 941-6203	H. EMAIL: bob.biacsi@pepsico.com	

3. PERMIT INFORMATION

A. AGENCY: SCAQMD	B. APPLICATION TYPE:
C. SCAQMD ENGINEER: Michael Solis	
D. PERMIT INFORMATION: PC ISSUANCE DATE: 9/15/09 P/O NO.: G28761 PO ISSUANCE DATE: 9/15/2009	
E. START-UP DATE: 3/17/2014	
F. OPERATIONAL TIME: 3 years	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES:						
	VOC	NOx	SOx	CO	PM OR PM₁₀	INORGANIC
BACT Limit		54 PPMV		2000 PPMV		
Averaging Time		1 HOUR		15 MIN		
Correction		@ 3% O ₂		STACK CONDITIONS		
B. OTHER BACT REQUIREMENTS: CO limit based on SCAQMD Rule 407 requirements						
C. BASIS OF THE BACT/LAER DETERMINATION: Achieved in Practice/New Technology						
D. EMISSION INFORMATION COMMENTS:						

5. CONTROL TECHNOLOGY

A. MANUFACTURER:		B. MODEL:	
C. DESCRIPTION: N/A. No add-on control equipment			
D. SIZE/DIMENSIONS/CAPACITY:			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. PC ISSUANCE DATE: PO NO.: PO ISSUANCE DATE:			
F. REQUIRED CONTROL EFFICIENCIES:			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	%	%	%
NO _x	%	%	%
SO _x	%	%	%
CO	%	%	%
PM	%	%	%
PM ₁₀	%	%	%
INORGANIC	%	%	%
G. CONTROL TECHNOLOGY COMMENTS			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: SCAQMD Method 100.1 Source Test
B. DATE(S) OF SOURCE TEST: January 13, 2015
C. COLLECTION EFFICIENCY METHOD: N/A
D. COLLECTION EFFICIENCY PARAMETERS: N/A
E. SOURCE TEST/PERFORMANCE DATA: 43 PPMV NO _x @3% O ₂ . 36 PPMV CO @ stack conditions. (Identical Unit D86: 22.9 PPMV NO _x @3% O ₂ . 85 PPMV CO @ stack conditions)
F. TEST OPERATING PARAMETERS AND CONDITIONS: Tested at normal load. Burner firing rate 50%. Stack Fan Temp >560°F. Oven Temps: Top: 302°F, Middle: 470°F, Lower: 299°F
G. TEST METHODS (SPECIFY AGENCY): SCAQMD Method 100.1

H. MONITORING AND TESTING REQUIREMENTS:
I. DEMONSTRATION OF COMPLIANCE COMMENTS: 54 ppmv @3%O2 limit was established during permit evaluation to ensure there was no increase in emissions due to a modification with an increased rating of the unit. Previous source test prior to modification showed unit tested at 53.7 ppm @3%O2.

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT: 000264	B. CCAT:	C. APPLICATION TYPE CODE: 50	
D. RECLAIM FAC? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S): PR14386	
G. SCAQMD SOURCE SPECIFIC RULES:			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR:	H2. MICR DATE:	H3. CANCER BURDEN:	H4. CB DATE:
H5: HIA:	H6. HIA DATE:	H7. HIC:	H8. HIC DATE:



Part B, Section 1, SCAQMD BACT Determination

Source Type: **Major/LAER**
Application No.: **499293/551284**
Equipment Category: **Food Oven**
Equipment Subcategory: **Snack Food**
Date: **March 8, 2017**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: Maxon		B. MODEL: C1 120-28 RGX (E)	
C. DESCRIPTION: Natural gas-fired food oven to bake corn meal cheese puffs			
D. FUNCTION: Food oven equipped with 1.6 MMBtu/hr burner to bake Frito Lay cheese puffs. The combustion air is recirculated in the oven with a 0.5 HP blower to distribute the heat before exhausting to atmosphere.			
E. SIZE/DIMENSIONS/CAPACITY: Cheese Puff production line capable of frying or baking cheese puffs. Oven is conveyORIZED and equipped with one Maxon low NOx burner.			
COMBUSTION SOURCES			
F. MAXIMUM HEAT INPUT: 1.6 MMBtu/hr			
G. BURNER INFORMATION			
TYPE		INDIVIDUAL HEAT INPUT	NUMBER
MAXON CYCLOMAX		1.6 MMBtu/hr	1
H. PRIMARY FUEL: NATURAL GAS		I. OTHER FUEL: N/A	
J. OPERATING SCHEDULE: 24 7 52			
K. EQUIPMENT COST:			
L. EQUIPMENT INFORMATION COMMENTS:			

2. COMPANY INFORMATION

A. COMPANY: Frito-Lay, Inc.		B. FAC ID: 000346	
C. ADDRESS: 9535 Archibald Ave. CITY: Rancho Cucamonga STATE: CA ZIP: 91730		D. NAICS CODE: 311919	
E. CONTACT PERSON: Bob Biasci		F. TITLE: Technical Director	
G. PHONE NO.: (909) 941-6203		H. EMAIL: bob.biacsi@pepsico.com	

3. PERMIT INFORMATION

A. AGENCY: SCAQMD	B. APPLICATION TYPE: MODIFICATION
C. SCAQMD ENGINEER: Michael Solis	
D. PERMIT INFORMATION: PC ISSUANCE DATE: 9/15/09 P/O NO.: G4333 PO ISSUANCE DATE: 9/15/2009	
E. START-UP DATE: 4/15/2008	
F. OPERATIONAL TIME: 8 years	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES:						
	VOC	NOx	SOx	CO	PM OR PM ₁₀	INORGANIC
BACT Limit		25 PPMV		75 PPMV		
Averaging Time		1 HOUR		1 HOUR		
Correction		@ 3% O ₂		@ 3% O ₂		
B. OTHER BACT REQUIREMENTS: Method 100.1 Source Test every 5 years pursuant to Permit Condition D28.9						
C. BASIS OF THE BACT/LAER DETERMINATION: Achieved in Practice/New Technology						
D. EMISSION INFORMATION COMMENTS: Emissions guaranteed by manufacturer per application package						

5. CONTROL TECHNOLOGY

A. MANUFACTURER:		B. MODEL:	
C. DESCRIPTION: N/A. No add-on control equipment			
D. SIZE/DIMENSIONS/CAPACITY:			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. PC ISSUANCE DATE: PO NO.: PO ISSUANCE DATE:			
F. REQUIRED CONTROL EFFICIENCIES:			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	%	%	%
NOx	%	%	%
SOx	%	%	%
CO	%	%	%
PM	%	%	%
PM ₁₀	%	%	%
INORGANIC	%	%	%
G. CONTROL TECHNOLOGY COMMENTS			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: Method 100.1 Source Test when the equipment was under Application #471591.
B. DATE(S) OF SOURCE TEST: April 29, 2009
C. COLLECTION EFFICIENCY METHOD: N/A
D. COLLECTION EFFICIENCY PARAMETERS: N/A
E. SOURCE TEST/PERFORMANCE DATA: 20 PPMV NOx @3% O2. 58 PPMV CO @3% O2
F. TEST OPERATING PARAMETERS AND CONDITIONS: Tested at normal load. Oven Temp 298°F. 1700 lb product per hour. Fuel Flow 15.77 scfm nat gas.
G. TEST METHODS (SPECIFY AGENCY): SCAQMD Method 100.1

H. MONITORING AND TESTING REQUIREMENTS: Source testing every 5 years pursuant to Permit Condition D28.9
I. DEMONSTRATION OF COMPLIANCE COMMENTS:

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT: 000255	B. CCAT:	C. APPLICATION TYPE CODE: 50	
D. RECLAIM FAC? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S): PR09058	
G. SCAQMD SOURCE SPECIFIC RULES:			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR:	H2. MICR DATE:	H3. CANCER BURDEN:	H4. CB DATE:
H5: HIA:	H6. HIA DATE:	H7. HIC:	H8. HIC DATE:



Part B, Section 1, SCAQMD BACT Determination

Source Type: **Major/LAER**
Application No.: **513835**
Equipment Category: **Flare**
Equipment Subcategory: **Digester Gas, Wastewater**
Date: **March 15, 2017**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: Bekaert		B. MODEL: CEB 350
C. DESCRIPTION: 12 MMBtu/hr enclosed flare, digester gas fired with natural gas pilots		
D. FUNCTION: Flare incinerates excess digester gas not used as fuel in the boilers or fuel cell system, or to relieve pressure from storage tanks.		
E. SIZE/DIMENSIONS/CAPACITY: 3'-8" W. x 3' 8" L. x 23'-4" H., 12 MMBtu/hr, 333 SCFM digester gas permitted limit		
COMBUSTION SOURCES		
F. MAXIMUM HEAT INPUT: 12 MMBtu/hr		
G. BURNER INFORMATION		
TYPE	INDIVIDUAL HEAT INPUT	NUMBER
NIT MESH	12 MMBtu/hr	1
H. PRIMARY FUEL: DIGESTER GAS	I. OTHER FUEL: NATURAL GAS (PILOT)	
J. OPERATING SCHEDULE: 24 HRS/DAY 7 DAYS/WEEK 52 WKS/YR		
K. EQUIPMENT COST:		
L. EQUIPMENT INFORMATION COMMENTS: FLARE OPERATES INTERMITTANTLY AS NEEDED SECONDARY TO FUEL CELLS AND BOILER. MAINTENANCE IMPROVEMENTS FOR THERMOCOUPLES, IGNITERS AND THE EXHAUST STACK WERE MADE BY THE FACILITY TO IMPROVE RELIABLE OPERATION. THE FLARE IS LOCATED AT A SEWAGE TREATMENT PLANT.		

2. COMPANY INFORMATION

A. COMPANY: EMWD-PVRWRF		B. FAC ID: 7417
C. ADDRESS: 1301 Case Rd. CITY: Perris STATE: CA ZIP: 92570		D. NAICS CODE: 221320
E. CONTACT PERSON: Alison Torres		F. TITLE: Sr. AQ Compliance Analyst
G. PHONE NO.: 951-928-3777 x 6345	H. EMAIL: torresa@emwd.org	

3. PERMIT INFORMATION

A. AGENCY: SCAQMD	B. APPLICATION TYPE: NEW CONSTRUCTION
C. SCAQMD ENGINEER: Angela Shibata	
D. PERMIT INFORMATION: PC ISSUANCE DATE: 6/27/12 P/O NO.: G25306 PO ISSUANCE DATE: 6/26/2013	
E. START-UP DATE: 11/9/2011	
F. OPERATIONAL TIME: 5 years	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES:						
	VOC	NOx	SOx	CO	PM OR PM₁₀	INORGANIC
BACT Limit	0.038 lb/MMBtu	0.025 lb/MMBtu		0.06 lb/MMBtu		
Averaging Time	1 HR	1 HR		1 HR		
Correction						
B. OTHER BACT REQUIREMENTS:						
C. BASIS OF THE BACT/LAER DETERMINATION: Achieved in Practice/New Technology						
D. EMISSION INFORMATION COMMENTS: Maximum 333 scfm digester gas (Condition 11-project specific). 1600°F Min temp (Condition 7-project specific). Performance tests every five years (Condition 18). BACT Limits apply when fired on digester gas.						

5. CONTROL TECHNOLOGY

A. MANUFACTURER:		B. MODEL:	
C. DESCRIPTION:			
D. SIZE/DIMENSIONS/CAPACITY:			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. PC ISSUANCE DATE: PO NO.: PO ISSUANCE DATE:			
F. REQUIRED CONTROL EFFICIENCIES:			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	%	%	%
NO _x	%	%	%
SO _x	%	%	%
CO	%	%	%
PM	%	%	%
PM ₁₀	%	%	%
INORGANIC	%	%	%
G. CONTROL TECHNOLOGY COMMENTS			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: Source Test
B. DATE(S) OF SOURCE TEST: 11/9/2011
C. COLLECTION EFFICIENCY METHOD: N/A
D. COLLECTION EFFICIENCY PARAMETERS: N/A
E. SOURCE TEST/PERFORMANCE DATA: 96.9% TGNMO Destruction Effic., 99.99 HC destruction Effic., 0.70 ppm VOC (as hexane) @3%O ₂ , 0.011 lb CO/MMBtu; 13.8 ppm CO@ 3%O ₂ , 0.014 lb/MMBtu NO _x , 10.45 ppm NO _x @3%O ₂ ; 0.455 lb SOX/hr (as SO ₂)
F. TEST OPERATING PARAMETERS AND CONDITIONS: 246 dscfm digester gas
G. TEST METHODS (SPECIFY AGENCY): SCAQMD 25.3, 100.1, ARB Mod. Method 307.91
H. MONITORING AND TESTING REQUIREMENTS: Source Testing every five years for TGNMO, NO _x , CO, PM ₁₀ , O ₂ , N ₂ , H ₂ O, Temp and BTU Value
I. DEMONSTRATION OF COMPLIANCE COMMENTS:

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT:	B. CCAT: 50	C. APPLICATION TYPE CODE: 10	
D. RECLAIM FAC? YES <input type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S):	
G. SCAQMD SOURCE SPECIFIC RULES:			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR: 6.55 x10-9	H2. MICR DATE: 6/19/13	H3. CANCER BURDEN: <0.5	H4. CB DATE: 6/19/13
H5: HIA:	H6. HIA DATE:	H7. HIC:	H8. HIC DATE:



Part B, Section 1, SCAQMD BACT Determination

Source Type: **Major/LAER**
Application No.: **448345**
Equipment Category: **Flare**
Equipment Subcategory: **Digester Gas, Food Waste and Manure Digester**
Date: **March 17, 2017**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: John Zink		B. MODEL: Zink Ultra Low Emission (ZULE)	
C. DESCRIPTION: 39.3 MMBtu/hr enclosed flare, digester gas fired with natural gas pilots			
D. FUNCTION: Flare incinerates digester gas vented from food waste and manure anaerobic digesters. Natural gas (or propane) pilot.			
E. SIZE/DIMENSIONS/CAPACITY: 7'D. x 40' H., 39.3 MMBtu/hr, 32.4 MMBtu/hr permitted limit			
COMBUSTION SOURCES			
F. MAXIMUM HEAT INPUT: 39.3 MMBtu/hr			
G. BURNER INFORMATION			
TYPE		INDIVIDUAL HEAT INPUT	NUMBER
ZULE		13.1 MMBtu/hr	3
H. PRIMARY FUEL: DIGESTER GAS		I. OTHER FUEL: NAT GAS/PROPANE	
J. OPERATING SCHEDULE: 24 HRS/DAY 7 DAYS/WEEK 52 WKS/YR			
K. EQUIPMENT COST:			
L. EQUIPMENT INFORMATION COMMENTS: INTERMITTANT OPERATION TO PROCESS DIGESTER GAS.			

2. COMPANY INFORMATION

A. COMPANY: Inland Empire Utilities Agency RP-5 SHF		B. FAC ID: 147371	
C. ADDRESS: 6063 Kimball Ave. CITY: Chino STATE: CA ZIP: 91708		D. NAICS CODE: 582212	
E. CONTACT PERSON: Sylvie Lee		F. TITLE: Manager	
G. PHONE NO.: 909-993-1646		H. EMAIL: slee@ieua.org	

3. PERMIT INFORMATION

A. AGENCY: SCAQMD	B. APPLICATION TYPE: NEW CONSTRUCTION
C. SCAQMD ENGINEER: Angela Shibata	
D. PERMIT INFORMATION: PC ISSUANCE DATE: 8/8/06 P/O NO.: G28957 PO ISSUANCE DATE: 12/12/2013	
E. START-UP DATE: 10/30/2008 Source Test Date	
F. OPERATIONAL TIME: > 6 months	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES:						
	VOC	NOx	SOx	CO	PM OR PM₁₀	INORGANIC
BACT Limit		0.025 lb/MMBtu		0.06 lb/MMBtu		
Averaging Time		1 HR		1 HR		
Correction						
B. OTHER BACT REQUIREMENTS: Maximum 32.4 MMBtu/hr digester gas (Condition 7- project specific). 1500°F Min temp (Condition 9- project specific). Performance tests every 5 years (Condition 12). Per source test PM10 as PM.						
C. BASIS OF THE BACT/LAER DETERMINATION: Achieved in Practice/New Technology						
D. EMISSION INFORMATION COMMENTS: Permit does not have minimum VOC destruction efficiency or residence time requirements.						

5. CONTROL TECHNOLOGY

A. MANUFACTURER:		B. MODEL:	
C. DESCRIPTION:			
D. SIZE/DIMENSIONS/CAPACITY:			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. PC ISSUANCE DATE: PO NO.: PO ISSUANCE DATE:			
F. REQUIRED CONTROL EFFICIENCIES:			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	%	%	%
NO _x	%	%	%
SO _x	%	%	%
CO	%	%	%
PM	%	%	%
PM ₁₀	%	%	%
INORGANIC	%	%	%
G. CONTROL TECHNOLOGY COMMENTS			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: Source Test
B. DATE(S) OF SOURCE TEST: 10/30/2008
C. COLLECTION EFFICIENCY METHOD: N/A
D. COLLECTION EFFICIENCY PARAMETERS: N/A
E. SOURCE TEST/PERFORMANCE DATA: 5.05 ppm VOC (as CH ₄); 0.08 lb VOC/hr (as CH ₄); < 0.0046 lb CO/MMBtu; 5.9 ppm CO@ 3% O ₂ ; 0.016 lb/MMBtu NO _x ; 12.3 ppm NO _x @3% O ₂ ; 0.01 lb SO _x /hr (as SO ₂); 0.096 lb PM/hr;
F. TEST OPERATING PARAMETERS AND CONDITIONS: 279 dscfm digester gas. Minimum flow during S/T run 133.5 dscfm.
G. TEST METHODS (SPECIFY AGENCY): SCAQMD 25.3, 100.1, SCAQMD 5.1, ARB Mod. Method 307.91

H. MONITORING AND TESTING REQUIREMENTS: Source Testing every 5 years for Methane, TGNMO, NO _x , CO, SO _x , PM ₁₀ (as PM), O ₂ , N ₂ , H ₂ O, Temp and Flow
I. DEMONSTRATION OF COMPLIANCE COMMENTS:

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT:	B. CCAT: 50	C. APPLICATION TYPE CODE: 10	
D. RECLAIM FAC? YES <input type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S): PR03440	
G. SCAQMD SOURCE SPECIFIC RULES:			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR: 2.36x10 ⁻⁷	H2. MICR DATE: 11/12/13	H3. CANCER BURDEN: <0.5	H4. CB DATE: 11/12/13
H5. HIA: <1.0	H6. HIA DATE: 11/12/13	H7. HIC: <1.0	H8. HIC DATE: 11/12/13



Part B, Section 1, SCAQMD BACT Determination

Source Type: **Major/LAER**
Application No.: **491442**
Equipment Category: **Flare**
Equipment Subcategory: **Landfill Gas, Active Solid Waste
Landfill, Non-Hazardous Waste**
Date: **March 17, 2017**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: John Zink		B. MODEL: Zink Ultra Low Emission (ZULE)	
C. DESCRIPTION: 120 MMBtu/hr maximum input to enclosed flares, landfill gas fired with propane pilot			
D. FUNCTION: Flare incinerates landfill gas vented from landfill gas collection system. Flare is part of a two flare system. Propane gas pilot.			
E. SIZE/DIMENSIONS/CAPACITY: 12'D. x 50' H., 120 MMBtu/hr, 4000 SCFM landfill gas permitted limit			
COMBUSTION SOURCES			
F. MAXIMUM HEAT INPUT: 120 MMBtu/hr			
G. BURNER INFORMATION			
TYPE		INDIVIDUAL HEAT INPUT	NUMBER
ZULE		120 MMBtu/hr	1
H. PRIMARY FUEL: LANDFILL GAS		I. OTHER FUEL: PROPANE GAS (PILOT)	
J. OPERATING SCHEDULE: 24 HRS/DAY 7 DAYS/WEEK 52 WKS/YR			
K. EQUIPMENT COST:			
L. EQUIPMENT INFORMATION COMMENTS:			

2. COMPANY INFORMATION

A. COMPANY: Chiquita Canyon, LLC		B. FAC ID: 119219	
C. ADDRESS: 29201 Henry Mayo Drive CITY: Valencia STATE: CA ZIP: 91355		D. NAICS CODE: 582212	
E. CONTACT PERSON: Mike Dean		F. TITLE: General Manager	
G. PHONE NO.: 661-257-3655		H. EMAIL: deanmj@reprsv.com	

3. PERMIT INFORMATION

A. AGENCY: SCAQMD	B. APPLICATION TYPE: NEW CONSTRUCTION
C. SCAQMD ENGINEER: Guarang Rawal	
D. PERMIT INFORMATION: PC ISSUANCE DATE: 6/27/12 P/O NO.: G25306 PO ISSUANCE DATE: 3/7/2013	
E. START-UP DATE: 12/7/2009 Source Test Date	
F. OPERATIONAL TIME: 7 years	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES:						
	VOC	NOx	SOx	CO	PM OR PM₁₀	INORGANIC
BACT Limit		0.025 lb/MMBtu		0.06 lb/MMBtu		
Averaging Time		1 HR		1 HR		
Correction						
B. OTHER BACT REQUIREMENTS:						
C. BASIS OF THE BACT/LAER DETERMINATION: Achieved in Practice/New Technology						
D. EMISSION INFORMATION COMMENTS: Maximum 4000 scfm landfill gas (Condition 8- project specific). 1400°F Min temp (Condition 5- project specific). Annual performance tests (Condition 12). Per source test PM10 as PM. BACT Limits apply when unit is fired on landfill gas.						

5. CONTROL TECHNOLOGY

A. MANUFACTURER:		B. MODEL:	
C. DESCRIPTION:			
D. SIZE/DIMENSIONS/CAPACITY:			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. PC ISSUANCE DATE: PO NO.: PO ISSUANCE DATE:			
F. REQUIRED CONTROL EFFICIENCIES:			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	98%	%	%
NO _x	%	%	%
SO _x	%	%	%
CO	%	%	%
PM	%	%	%
PM ₁₀	%	%	%
INORGANIC	%	%	%
G. CONTROL TECHNOLOGY COMMENTS 99% by wt. Destruction Efficiency Methane. 98% by wt destruction efficiency or less than 20 ppmvd, hexane, @ 3% O ₂			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: Source Test
B. DATE(S) OF SOURCE TEST: 12/7/2009
C. COLLECTION EFFICIENCY METHOD: N/A
D. COLLECTION EFFICIENCY PARAMETERS: N/A
E. SOURCE TEST/PERFORMANCE DATA: 98.9% TGNMO Destruction Eff., 2.13 ppm VOC (as hexane) @3% O ₂ , < 0.02 lb CO/MMBtu; <23.3 ppm CO@ 3% O ₂ , 0.01 lb/MMBtu NO _x , 6.7 ppm NO _x @3% O ₂ ; 1.22 lb SO _x /hr (as SO ₂); 0.75 lb PM/hr;
F. TEST OPERATING PARAMETERS AND CONDITIONS: 2367 dscfm landfill_gas
G. TEST METHODS (SPECIFY AGENCY): SCAQMD 25.3, 100.1, SCAQMD 5.1, ARB Mod. Method 307.91
H. MONITORING AND TESTING REQUIREMENTS: Source Testing annually for Methane, TGNMO, NO _x , CO, SO _x , PM ₁₀ (as PM), O ₂ , N ₂ , H ₂ O, Temp and Flow
I. DEMONSTRATION OF COMPLIANCE COMMENTS:

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT:	B. CCAT: 50	C. APPLICATION TYPE CODE: 10	
D. RECLAIM FAC? YES <input type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S): PR09359	
G. SCAQMD SOURCE SPECIFIC RULES:			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR:	H2. MICR DATE:	H3. CANCER BURDEN:	H4. CB DATE:
H5. HIA:	H6. HIA DATE:	H7. HIC:	H8. HIC DATE:



Part B, Section 1, SCAQMD BACT Determination

Source Type: **Major/LAER**
 Application No.: **562449**
 Equipment Category: **Boiler**
 Equipment Subcategory: **39.9 MMBtu/hr with SCR**
 Date: **March 22, 2016**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: Simoneau		B. MODEL: FX2-35
C. DESCRIPTION: 39.9 MMBtu watertube boiler with low NOx burner and SCR		
D. FUNCTION: Boilers provides steam for laundry facilities, hospital heating and sterilization procedures.		
E. SIZE/DIMENSIONS/CAPACITY: Boiler No. 2		
COMBUSTION SOURCES		
F. MAXIMUM HEAT INPUT: 39.9 MMBtu/hr		
G. BURNER INFORMATION		
TYPE	INDIVIDUAL HEAT INPUT	NUMBER
WEBSTER	39.9 MMBtu/hr	1
H. PRIMARY FUEL: NATURAL GAS	FUEL OIL	
J. OPERATING SCHEDULE:	24 7 52	
K. EQUIPMENT COST:		
L. EQUIPMENT INFORMATION COMMENTS: EQUIPMENT IS NEW CONSTRUCTION. THREE IDENTICAL BOILERS AND SCR WITH IDENTICAL LIMITS. ADD'L PERMIT NO. BOILER 1 G36227, BOILER 3 G36229, SCR 1 G36231, SCR 3 G36234		

2. COMPANY INFORMATION

A. COMPANY: US GOVT, VET. AFFAIRS MED CTR (LONG BEACH)		B. FAC ID: 13990
C. ADDRESS: 5901 E. 7 th ST. CITY: Long Beach STATE: CA ZIP: 90822		D. NAICS CODE: 622110
E. CONTACT PERSON: Jason Thompson		F. TITLE: Env Protection Spec.
G. PHONE NO.: 562-826-8000 x3083	H. EMAIL:	

3. PERMIT INFORMATION

A. AGENCY: SCAQMD	B. APPLICATION TYPE: NEW CONSTRUCTION
C. SCAQMD ENGINEER: Roy Olivares	
D. PERMIT INFORMATION: PC ISSUANCE DATE: P/O NO.: G36227 PO ISSUANCE DATE: 6/18/2015	
E. START-UP DATE: 8/7/2015	
F. OPERATIONAL TIME: > 1 year	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES:						
	VOC	NOx	SOx	CO	PM OR PM₁₀	INORGANIC
BACT Limit		5 ppmvd		100 ppmvd		5 ppmvd NH3 slip
Averaging Time		15 min		15 MIN		60 MIN
Correction		@ 3% O2		@ 3% O2		@ 3% O2
B. OTHER BACT REQUIREMENTS: When firing on Standby fuel: 40 ppmvd NOx @3%O2, 15 min avg; 400 ppmvd CO @3%O2.						
C. BASIS OF THE BACT/LAER DETERMINATION: Achieved in Practice/New Technology						
D. EMISSION INFORMATION COMMENTS:						

5. CONTROL TECHNOLOGY

A. MANUFACTURER: Pasasia		B. MODEL: Custom	
C. DESCRIPTION: Selective Catalytic Reduction, low temp de-NOx, haldor topsoe, model dnx-1029. Ammonia injection, three 150 lb cylinders, feed forward			
D. SIZE/DIMENSIONS/CAPACITY: 4'-9" W x 4'-9" L x 9'-0" H			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. 562452 PC ISSUANCE DATE: PO NO.: G36233 PO ISSUANCE DATE: 6/18/2015			
F. REQUIRED CONTROL EFFICIENCIES: Emission requirements are mass based and listed in Section 4 emission Information			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	%	%	%
NOx	%	%	%
SOx	%	%	%
CO	%	%	%
PM	%	%	%
PM ₁₀	%	%	%
INORGANIC	%	%	%
G. CONTROL TECHNOLOGY COMMENTS Pressure drop not to exceed 2.5" H2O. SCR be temperature 400-650oF. Ammonia injection shall not exceed 0.55 lb/hr. Ammonia injection to start when cat bed outlet temp reaches 400oF. Start-ups not to exceed 120 min for cold start and 30 min for warm start.			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: Source Test PR16435
B. DATE(S) OF SOURCE TEST: October 12, 2016
C. COLLECTION EFFICIENCY METHOD:
D. COLLECTION EFFICIENCY PARAMETERS:
E. SOURCE TEST/PERFORMANCE DATA: low mid and high fire each tested for NOx, CO and NH3. Reference source test report for details of each load tested. All loads met emission limits for each contaminant,
F. TEST OPERATING PARAMETERS AND CONDITIONS: Low fire 322 Mcfd, mid fire 437 Mcfd, 814 Mcfd
G. TEST METHODS (SPECIFY AGENCY): SCAQMD Method 207.1, SCAQMD 100.1

H. MONITORING AND TESTING REQUIREMENTS: NH3 slip test every 3 months for first year.
I. DEMONSTRATION OF COMPLIANCE COMMENTS:

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT: 011204	B. CCAT: 81	C. APPLICATION TYPE CODE: 10	
D. RECLAIM FAC? YES <input type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S): PR16435	
G. SCAQMD SOURCE SPECIFIC RULES: 1146			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR:	H2. MICR DATE:	H3. CANCER BURDEN:	H4. CB DATE:
H5: HIA:	H6. HIA DATE:	H7. HIC:	H8. HIC DATE:



Part B, Section I: SCAQMD BACT Determination

Source Type: **Major/LAER**
 Application No.: **546360**
 Equipment Category: **I.C. Engine, Digester Gas Fired**
 Equipment Subcategory:

Date: **April 4, 2017**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: Cooper Bessmer		B. MODEL: LSVB-12-SGC
C. DESCRIPTION: Spark Ignition, four strokes with modified turbocharged-intercooled, V-12 type		
D. FUNCTION: On-site electrical power generation		
E. SIZE/DIMENSIONS/CAPACITY: 3471 HP, driving 2500 kW generator		
COMBUSTION SOURCES		
F. MAXIMUM HEAT INPUT: ---		
G. BURNER INFORMATION		
TYPE	INDIVIDUAL HEAT INPUT	NUMBER
---	<input type="text"/>	<input type="text"/>
H. PRIMARY FUEL: Digester and/or natural gas	I. OTHER FUEL: ---	
J. OPERATING SCHEDULE: 24 HRS/DAY 7 DAYS/WEEK 52 WKS/YR		
K. EQUIPMENT COST: Not Available		
L. EQUIPMENT INFORMATION COMMENTS: Engine is equipped with an exhaust heat recovery steam generator, 5,008,500 Btu/hr capacity and digester gas cleaning system to remove siloxanes and other contaminants that may damage and reduce performance of SCR and oxidation exhaust control system. Inlet siloxane loading levels of less than 1 ppmv for D4 and less than 5 ppmv for D5.		

2. COMPANY INFORMATION

A. COMPANY: Orange County Sanitation District		B. FAC ID: 017301
C. ADDRESS: 10844 Ellis Avenue CITY: Fountain Valley STATE: CA ZIP: 92708		D. NAICS CODE:
E. CONTACT PERSON: Terry Ahn		F. TITLE: Regulatory Specialist
G. PHONE NO.: 714-593-7082	H. EMAIL: tahn@ocsd.com	

3. PERMIT INFORMATION

A. AGENCY: SCAQMD	B. APPLICATION TYPE: PERMIT TO OPERATE
C. SCAQMD ENGINEER:	
D. PERMIT INFORMATION: P/O NO.: G45189	PC ISSUANCE DATE: PO ISSUANCE DATE: 3/3/2017
E. START-UP DATE:	
F. OPERATIONAL TIME:	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES:						
	VOC	NOx	SOx	CO	PM OR PM₁₀	INORGANIC
BACT Limit	30 PPM	11 PPM		250 PPM	RULE 404	
Averaging Time	Per 1110.2 requirements	Per 1110.2 requirements		Per 1110.2 requirements		
Correction	15% O ₂	15% O ₂		15% O ₂		
B. OTHER BACT REQUIREMENTS: Compliance with emission requirements of Rule 1110.2(d)(1)(C)						
C. BASIS OF THE BACT/LAER DETERMINATION: New listing to show compliance with the more stringent Rule 1110.2. Other (add comment)						
D. EMISSION INFORMATION COMMENTS:						

5. CONTROL TECHNOLOGY

A. MANUFACTURER: Johnson Matthey, Inc.		B. MODEL: 79449	
C. DESCRIPTION: Selective Catalytic Reduction and Catalytic Oxidizer			
D. SIZE/DIMENSIONS/CAPACITY: SCR metallic substrate with 37.33 cu.ft. volume and CatOx aluminum oxide or platinum with 200 CPSI oxidation catalyst, 18.67 cu.ft. volume			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. 559225 PC ISSUANCE DATE: PO NO.: G45196 PO ISSUANCE DATE: 3/3/2017			
F. REQUIRED CONTROL EFFICIENCIES: Maintain compliance with Rule 1110.2(d)(1)(C) for engine emissions.			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	%	%	%
NOx	%	%	%
SOx	%	%	%
CO	%	%	%
PM	%	%	%
PM ₁₀	%	%	%
INORGANIC	%	%	%
G. CONTROL TECHNOLOGY COMMENTS Maintain compliance with Rule 1110.2(d)(1)(C) for engine emissions. H2S compliance with Rule 431.1.			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: Source test conducted when equipment was under Permit to Construct (A/N 497717).
B. DATE(S) OF SOURCE TEST: November 20, 2014
C. COLLECTION EFFICIENCY METHOD:
D. COLLECTION EFFICIENCY PARAMETERS:
E. SOURCE TEST/PERFORMANCE DATA:
F. TEST OPERATING PARAMETERS AND CONDITIONS:
G. TEST METHODS (SPECIFY AGENCY): NOx, CO and O2 determined using SCAQMD Method 100.1. VOC determined using SCAQMD Method 25.3.
H. MONITORING AND TESTING REQUIREMENTS: Compliance with Rule 1110.2(f)
I. DEMONSTRATION OF COMPLIANCE COMMENTS:

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT:	B. CCAT:	C. APPLICATION TYPE CODE:	
D. RECLAIM FAC? YES <input type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S):	
G. SCAQMD SOURCE SPECIFIC RULES:			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR:	H2. MICR DATE:	H3. CANCER BURDEN:	H4. CB DATE:
H5: HIA:	H6. HIA DATE:	H7. HIC:	H8. HIC DATE:

Part B, Section III: Other Technologies



(These are emerging technologies which have been in operation with an air quality permit, however do not yet qualify as LAER)

Source Type: **Major/LAER**
Application No.: **567735**
Equipment Category: **I.C. Engine, Stationary,
Emergency, Electrical Generators**

Equipment Subcategory:

Date: **December 11, 2016**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: Cummins			B. MODEL: QST30-G5		
C. DESCRIPTION: EPA-certified Compression Ignition, diesel engine, 12 cylinders, turbocharged and aftercooled, Engine Family CCEXL030.AAD.					
D. FUNCTION: On-site emergency electrical power generation.					
E. SIZE/DIMENSIONS/CAPACITY: 1490 BHP, driving 1000 kW generator					
COMBUSTION SOURCES					
F. MAXIMUM HEAT INPUT: ---					
G. BURNER INFORMATION					
TYPE		INDIVIDUAL HEAT INPUT		NUMBER	
---		<input type="checkbox"/>		<input type="checkbox"/>	
H. PRIMARY FUEL: DIESEL			I. OTHER FUEL: ---		
J. OPERATING SCHEDULE: <1 HRS/DAY 1 DAYS/WEEK 52 WKS/YR					
K. EQUIPMENT COST: Not Available					
L. EQUIPMENT INFORMATION COMMENTS: Engine is equipped with an Aftertreatment system consisting of Selective Catalytic Reduction and Diesel Particulate Filter.					

2. COMPANY INFORMATION

A. COMPANY: Praxair, Inc.		B. FAC ID: 007416	
C. ADDRESS: 2300 E. Pacific Coast Highway CITY: Wilmington STATE: CA ZIP: 90744		D. NAICS CODE:	
E. CONTACT PERSON: Laura Cremer		F. TITLE: Environmental Specialist	
G. PHONE NO.: 925-866-6851		H. EMAIL: laura_cremer@praxair.com	

3. PERMIT INFORMATION

A. AGENCY: SCAQMD	B. APPLICATION TYPE: NEW CONSTRUCTION PERMIT TO OPERATE
C. SCAQMD ENGINEER: Tracy Nguyen	
D. PERMIT INFORMATION: PC ISSUANCE DATE: 6/16/15 P/O NO.: G43499 PO ISSUANCE DATE: 10/27/2016	
E. START-UP DATE: 10/1/2015	
F. OPERATIONAL TIME: Intermittent--for engine readiness test. Limited to 200 hrs/year which includes no more than 50 hours/year and 4.2 hour/month for maintenance and testing.	

4. EMISSION INFORMATION

A. EMISSION LIMITS AND AVERAGING TIMES:						
	VOC	NOx	SOx	CO	PM OR PM₁₀	INORGANIC
BACT Limit	0.19 G/KW-HR 0.14 G/BHP-HR)	0.67 G/KW-HR (0.5 G/BHP-HR)		3.5 G/KW-HR (2.61 G/BHP-HR)	0.03 G/KW-HR (0.022 G/BHP-HR)	
Averaging Time						
Correction						
B. OTHER REQUIREMENTS: Compliance with rules 404, 431.2 and 1470.						
C. PENDING STATUS: Technology has been in operation with an active air quality permit. Other (add comment)						
D. EMISSION INFORMATION COMMENTS: A certified Tier 2 Engine is equipped with a Tier 4 Aftertreatment to comply with EPA Tier 4 Requirements.						

5. CONTROL TECHNOLOGY

A. MANUFACTURER: Cummins		B. MODEL: S4F-H-T4F	
C. DESCRIPTION: Selective Catalytic Reduction and Diesel Particulate Filter with an electric heater.			
D. SIZE/DIMENSIONS/CAPACITY: 85% DPF efficiency.			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. 567735 PC ISSUANCE DATE: 6/16/15 PO NO.: G43499 PO ISSUANCE DATE: 10/27/2016			
F. REQUIRED CONTROL EFFICIENCIES:			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	%	%	%
NO _x	%	%	%
SO _x	%	%	%
CO	%	%	%
PM	85%	%	%
PM ₁₀	%	%	%
INORGANIC	%	%	%
G. CONTROL TECHNOLOGY COMMENTS Engine is certified to comply with EPA Tier 4 requirements: NMHC=0.14 g/bhp-hr, NO _x =0.5 g/bhp-hr, CO=2.61 g/bhp-hr and PM=0.022 g/bhp-hr.			

6. DEMONSTRATION STATUS

A. COMPLIANCE DEMONSTRATED BY: Compliance with EPA Tier 4 standards is based on EPA nonroad engine test methods and duty cycles. Tests conducted under other duty cycles or using different test methods may produce different results and are not indicative of noncompliance with the BACT levels.
B. DATE(S) OF SOURCE TEST:
C. COLLECTION EFFICIENCY METHOD:
D. COLLECTION EFFICIENCY PARAMETERS:
E. SOURCE TEST/PERFORMANCE DATA:

F. TEST OPERATING PARAMETERS AND CONDITIONS:
G. TEST METHODS (SPECIFY AGENCY):
H. MONITORING AND TESTING REQUIREMENTS:
I. DEMONSTRATION OF COMPLIANCE COMMENTS:

7. PENDING CONSIDERATIONS

A. SCR GETTING UP TO TEMPERATURE AND RUN TIME: Equipped with exhaust heater/load bank and control to regulate temperatures and assure quick (<10 minute) full SCR efficiency.
B. TIER 4 ENGINES WITH INDUCEMENT THAT MAY BE BYPASSED: In July 2016 EPA amended 40 CFR Part 60, Subpart IIII to allow manufacturers to design engines so that operators can temporarily override performance inducements related to emission control system during emergency situations to protect human life and require Tier 1 compliance during such emergencies. EPA is confident that Tier 4 engines will function properly in emergency situations and expects that auxiliary emission control devices allowed under this provision will rarely be activated.
C. CERTIFICATION OF EMERGENCY ENGINE AT DIFFERENT DUTY CYCLE THAT MAY NOT ACHIEVE CLAIMED EMISSION LEVELS: Emissions testing was done on the ISO 8178 D2 Cycle consistent with constant speed stationary engines. (5% @ 100% Torque, 25% @75%, 30% @50%, 30% @25% and 10% @10%).
D. COST EFFECTIVENESS ANALYSIS: TBD

8. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT:	B. CCAT:	C. APPLICATION TYPE CODE:	
D. RECLAIM FAC? YES <input type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S):	
G. SCAQMD SOURCE SPECIFIC RULES:			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR:	H2. MICR DATE:	H3. CANCER BURDEN:	H4. CB DATE:
H5: HIA:	H6. HIA DATE:	H7. HIC:	H8. HIC DATE:

Part B, Section III: Other Technologies



(These are emerging technologies which have been in operation with an air quality permit, however do not yet qualify as LAER)

Source Type: **Minor**

Application No.: **591787**

Equipment Category: **Fuel Cell Electricity Generator – Digester Gas fueled**

Equipment Subcategory:

Date: **March 1, 2017**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: Fuel Cell Energy			B. MODEL: DFC 1500		
C. DESCRIPTION: Fuel Cell, digester gas fueled with biogas clean-up system and start-up air heater with natural gas burner (Rule 222 Registration per Rule 219(b)(5)).					
D. FUNCTION: On-site electrical power generation and heat recovery.					
E. SIZE/DIMENSIONS/CAPACITY: 1.4 MW, 355 scfm Digester gas flow					
COMBUSTION SOURCES					
F. MAXIMUM HEAT INPUT: ---					
G. BURNER INFORMATION					
TYPE		INDIVIDUAL HEAT INPUT		NUMBER	
---		<input type="checkbox"/>		<input type="checkbox"/>	
H. PRIMARY FUEL: DIGESTER GAS			I. OTHER FUEL: NATURAL GAS		
J. OPERATING SCHEDULE: 24 HRS/DAY 7 DAYS/WEEK 52 WKS/YR					
K. EQUIPMENT COST: Not Available					
L. EQUIPMENT INFORMATION COMMENTS: Biogas clean-up system consists of condensate drain tank, hydrogen sulfide removal vessel, siloxane removal vessels, polishing vessel and refrigerant chiller.					

2. COMPANY INFORMATION

A. COMPANY: Riverside Fuel Cell, LLC		B. FAC ID: 181483	
C. ADDRESS: 5950 Acorn Street CITY: Riverside STATE: CA ZIP: 92504		D. NAICS CODE:	
E. CONTACT PERSON: Don Bell		F. TITLE: Field Service Manager	
G. PHONE NO.: 203-648-3658		H. EMAIL: dbell@fce.com	

3. PERMIT INFORMATION

A. AGENCY: SCAQMD	B. APPLICATION TYPE: NEW CONSTRUCTION PERMIT TO OPERATE
C. SCAQMD ENGINEER: Gaurang Rawal	
D. PERMIT INFORMATION: PC ISSUANCE DATE: 2/25/17 P/O NO.: G45213 PO ISSUANCE DATE: 3/1/2017	
E. START-UP DATE: 10/1/2015	
F. OPERATIONAL TIME: Fuel cell is operational 24 hour/day, 365 days/year.	

4. EMISSION INFORMATION

A. EMISSION LIMITS AND AVERAGING TIMES:						
	VOC	NOx	SOx	CO	PM OR PM₁₀	INORGANIC
BACT Limit	0.10 LBS/MW-HR	0.07 LBS/MW-HR		0.10 LBS/MW-HR		
Averaging Time	Per test Method					
Correction						
B. OTHER REQUIREMENTS:						
C. PENDING STATUS: Technology has been in operation with an active air quality permit. Other (add comment)						
D. EMISSION INFORMATION COMMENTS: Fuel cells are typically tested during steady state mode, not during startup or shutdown.						

5. CONTROL TECHNOLOGY

A. MANUFACTURER: ---		B. MODEL: ---	
C. DESCRIPTION: ---			
D. SIZE/DIMENSIONS/CAPACITY: ---.			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. --- PC ISSUANCE DATE: --- PO NO.: --- PO ISSUANCE DATE: ---			
F. REQUIRED CONTROL EFFICIENCIES: ---			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	%	%	%
NO _x	%	%	%
SO _x	%	%	%
CO	%	%	%
PM	%	%	%
PM ₁₀	%	%	%
INORGANIC	%	%	%
G. CONTROL TECHNOLOGY COMMENTS ---			

6. DEMONSTRATION STATUS

A. COMPLIANCE DEMONSTRATED BY: Source Test
B. DATE(S) OF SOURCE TEST: December 20, 2016
C. COLLECTION EFFICIENCY METHOD:
D. COLLECTION EFFICIENCY PARAMETERS:
E. SOURCE TEST/PERFORMANCE DATA: < 0.024 lb NO _x /MW-hr; <0.012 lb CO/MW-hr; 0.045 lb VOC/MW-hr (as hexane)
F. TEST OPERATING PARAMETERS AND CONDITIONS: Testing performed under steady state conditions. Method 100.1 results for NO _x and CO had to be corrected up to 20% full scale range of analyzer, but still demonstrated compliance with permit limits.
G. TEST METHODS (SPECIFY AGENCY): SCAQMD M. 100.1, 25.3

H. MONITORING AND TESTING REQUIREMENTS:

I. DEMONSTRATION OF COMPLIANCE COMMENTS:

7. PENDING CONSIDERATIONS

A. START-UP AIR HEATER WITH COMBUSTION BURNER EXHAUST EMISSIONS: Testing commenced after the fuel cell reached stable steady state operation.

B. COST EFFECTIVENESS: TBD

8. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT:	B. CCAT:	C. APPLICATION TYPE CODE:	
D. RECLAIM FAC? YES <input type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S):	
G. SCAQMD SOURCE SPECIFIC RULES:			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR:	H2. MICR DATE:	H3. CANCER BURDEN:	H4. CB DATE:
H5. HIA:	H6. HIA DATE:	H7. HIC:	H8. HIC DATE:

ATTACHMENT C

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT Best Available Control Technology (BACT) Guidelines for Non-Major Polluting Facilities*

DRAFT

10-20-2000 Rev. 0
2-2-2018 Rev. 1

Equipment or Process: Dryer or Oven

Subcategory/ Rating/Size	Criteria Pollutants					Inorganic
	VOC	NO _x	SO _x	CO	PM ₁₀	
Carpet Oven		80 ppmvd, corrected to 3% O ₂ (10-20-2000)	Natural Gas (1990)		Natural Gas (1990)	
Rotary, Spray and Flash Dryers ¹⁾		Natural Gas with Low NO _x Burner (10-20-2000)	Natural Gas (1990)		Natural Gas with Baghouse (1990)	
Tray, Agitated Pan, and Rotary Vacuum Dryers		Natural Gas with Low NO _x Burner (10-20-2000)	Natural Gas (1990)		Natural Gas (1990)	
Tenter Frame Fabric Dryer		60 ppmvd Corrected to 3% O ₂ (10-20-2000)	Natural Gas (10-20-2000)		Natural Gas (10-20-2000)	
Other Dryers and Ovens – Direct and Indirect Fired ²		30 ppmvd corrected to 3% O ₂ (04-10-98)	Natural Gas (10-20-2000)		Natural Gas (10-20-2000)	

1. Dryers for foodstuff, pharmaceuticals, aggregate & chemicals.

2. Does not include food or bakery ovens. See listing for “Food Oven.”

* Means those facilities that are not major polluting facilities as defined by Rule 1302 - Definitions

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
Best Available Control Technology (BACT) Guidelines for Non-Major Polluting Facilities*

DRAFT

2-2-2018 Rev. 0

Equipment or Process: Food Oven

<u>Subcategory¹</u>	<u>Rating/ Size</u>	<u>Criteria Pollutants</u>					<u>Inorganic</u>
		<u>VOC</u>	<u>NOx</u>	<u>SOx</u>	<u>CO</u>	<u>PM10</u>	
<u>Ribbon Burner</u>	<u>> 500°F</u>		<u>60 ppmvd @ 3% O₂ (2-2-2018)</u>	<u>Natural Gas (2-2-2018)</u>	<u>Compliance with applicable SCAQMD Rules 407 or 1153.1(2-2-2018)</u>	<u>Natural Gas (2- 2-2018)</u>	
	<u>≤ 500°F</u>		<u>30 ppmvd @ 3% O₂ (2-2-2018)</u>	<u>Same as above</u>	<u>Same as above</u>	<u>Same as above</u>	
<u>Other Direct Fired Burner</u>			<u>30 ppmvd @ 3% O₂ (2-2-2018)</u>				
<u>Infrared Burner</u>			<u>30 ppmvd @ 3% O₂ (2-2-2018)</u>				
<u>Add-on Control for Bakery Oven processing yeast leavened products with emissions ≥ 30 lb VOC/day</u>		<u>Catalytic oxidizer with 95% overall control efficiency (mass basis); catalyst inlet temperature ≥ 600°F; ceramic prefilter (2-2-2018)</u>	<u>Compliance with SCAQMD Rule 1147 at the time of applicability (2-2-2018)</u>				

* Means those facilities that are not major polluting facilities as defined by Rule 1302 - Definitions

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Best Available Control Technology (BACT) Guidelines for Non-Major Polluting Facilities*

(Continued on next page)

¹Indirect Fired units may be subject to Rules 1146 and 1146.1 and BACT for Process Heater

		Criteria Pollutants					
Subcategory	Rating/ Size	VOC	NOx	SOx	CO	PM10	Inorganic
Other Burners		Compliance with SCAQMD Rules and Regulations					

* Means those facilities that are not major polluting facilities as defined by Rule 1302 - Definitions

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Best Available Control Technology (BACT) Guidelines for Non-Major Polluting Facilities*

10-20-2000 Rev. 0
7-14-2006 Rev. 1
12-02-2016 Rev. 2
2-2-2018 Rev. 3

Equipment or Process: I.C. Engine, Portable ¹

		Criteria Pollutants					
Subcategory	Rating/Size	VOC	NO _x	NO _x + NMHC ²	SO _x	CO	PM
Compression-Ignition ³	50 ≤ HP < 75			<u>Tier 4 Final:</u> 4.7 grams/kW-hr (3.5 grams/bhp-hr) (12-02-2016)	Diesel fuel with a sulfur content no greater than 0.0015% by weight (Rule 431.2). (6-6-2003)	<u>Tier 4 Final:</u> 5.0 grams/kW-hr (3.7 grams/bhp-hr) (12-02-2016)	<u>Tier 4 Final:</u> 0.03 grams/kW-hr (0.02 grams/bhp-hr) and CARB ATCM for portable diesel engines ⁴ (12-02-2016)
	75 ≤ HP < 175 ⁵		<u>Tier 4 FinalInterim:</u> 3.40 0.40 grams/kW-hr (2.50 0.30 grams/bhp-hr) (<u>2-2-2018</u>)	<u>Tier 4 FinalInterim:</u> NMHC only: 0.19 grams/kW-hr (0.14 grams/bhp-hr) (<u>2-2-2018</u>)		<u>Tier 4 FinalInterim:</u> 5.0 grams/kW-hr (3.7 grams/bhp-hr) (<u>2-2-2018</u>)	<u>Tier 4 FinalInterim:</u> 0.02 grams/kW-hr (0.01 grams/bhp-hr) and CARB ATCM for portable diesel engines ⁴ (<u>2-2-2018</u>)
	175 ≤ HP < 750		<u>Tier 4 Final:</u> 0.40 grams/kW-hr (0.30 grams/bhp-hr) (12-02-2016)	<u>Tier 4 Final:</u> NMHC only: 0.19 grams/kW-hr (0.14 grams/bhp-hr) (12-02-2016)		<u>Tier 4 Final:</u> 3.5 grams/kW-hr (2.6 grams/bhp-hr) (12-02-2016)	<u>Tier 4 Final:</u> 0.02 grams/kW-hr (0.01 grams/bhp-hr) and CARB ATCM for portable diesel engines ⁴ (12-02-2016)

* Means those facilities that are not major polluting facilities as defined by Rule 1302 - Definitions

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Best Available Control Technology (BACT) Guidelines for Non-Major Polluting Facilities*

Subcategory	Rating/Size	Criteria Pollutants					
		VOC	NO _x	NO _x + NMHC ²	SO _x	CO	PM

(Continued on Next Page)

Compression-Ignition ³	≥750 HP ⁵		<u>Tier 4 Interim:</u> For Generator Sets > 1200 HP: 0.67 grams/kW-hr (0.50 grams/bhp-hr) For All Engines Except “Generator Sets > 1200 HP”: 3.5 grams/kW-hr (2.6 grams/bhp-hr) (12-02-2016)	<u>Tier 4 Interim:</u> NMHC only: 0.4 grams/kW-hr (0.30 grams/bhp-hr) (12-02-2016)	Diesel fuel with a sulfur content no greater than 0.0015% by weight (Rule 431.2). (6-6-2003)	<u>Tier 4 Interim:</u> 3.5 grams/kW-hr (2.6 grams/bhp-hr) (12-02-2016)	<u>Tier 4 Interim:</u> 0.10 grams/kW-hr (0.07 grams/bhp-hr)and CARB ATCM for portable diesel engines ⁴ (12-02-2016)
Spark Ignition	All	1.5 grams/bhp-hr, or 240 ppmvd as methane @ 15% O ₂ (4-10-1998)	1.5 grams/bhp-hr, or 80 ppmvd @ 15% O ₂ (4-10-1998)			2.0 grams/bhp-hr, or 176 ppmvd @ 15% O ₂ (4-10-1998)	

Notes:

- 1) BACT for “I.C. Engine, Portable” is determined by deemed complete date of permit application not date of manufacture or installation.
- 2) NMHC + NO_x means the sum of non-methane hydrocarbons and oxides of nitrogen emissions, unless specified as “NMHC only”, which only includes NMHC emissions.
- 3) The engine must be certified by U.S. EPA or CARB to meet the Tier 4 emission requirements of 40 CFR Part 89 – Control of Emissions from New and In-use Nonroad Compression-Ignition Engines shown in the table– or otherwise demonstrate that it meets the Tier 4 emission limits. If, because of the averaging, banking, and trading program, there is no new engine from any manufacturer that meets the above standards, then the engine must meet the family emission limits established by the manufacturer and approved by U.S. EPA. Based on the model year, the CARB Airborne Toxic Control Measure (ATCM) for Portable Diesel Engines (see www.arb.ca.gov/diesel/peatcm/peatcm.htm) requires in-use portable diesel engines to be certified to Tier 1, 2, 3 or 4 by their respective deadlines, all of which have passed. All exceptions allowed in the ATCM are also allowed in this guideline.

* Means those facilities that are not major polluting facilities as defined by Rule 1302 - Definitions

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Best Available Control Technology (BACT) Guidelines for Non-Major Polluting Facilities*

- 4) The CARB ATCM also requires in-use portable diesel engines to meet fleet-average PM standards beginning 1/1/2013. The PM limits in the table apply only to filterable PM.
- 5) CARB has extended the Tier 4 Final requirements deadline “until further notice” for Portable, Compression-Ignition Engines for ~~75 ≤ HP < 175~~ and HP ≥ 750.

* Means those facilities that are not major polluting facilities as defined by Rule 1302 - Definitions

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Best Available Control Technology (BACT) Guidelines for Non-Major Polluting Facilities*

DRAFT

10-20-2000 Rev. 0
7-9-2004 Rev. 1
12-3-2004 Rev. 2
2-2-2018 Rev. 3

Equipment or Process: ~~I.C. Engine, Stationary, Non-Emergency~~

Subcategory/ Rating/Size	Criteria Pollutants					Inorganic
	VOC	NO _x	SO _x	CO	PM ₁₀	
<2064 bhp	0.15 grams/bhp-hr (4-10-98)	0.15 grams/bhp-hr (4-10-98)	See Clean Fuels Policy in Part C of the BACT Guidelines (10-20-2000)	0.60 grams/bhp-hr (4-10-98)	See Clean Fuels Policy in Part C of the BACT Guidelines (10-20-2000) Compliance with Rule 1470: (12-3-2004)	
≥2064 bhp	25 ppm @ 15% O ₂ (7-9-2004)	9 ppmvd @ 15% O ₂ (7-9-2004)	Same as Above (10-20-2000)	33 ppmvd @ 15% O ₂ (5-8-98)	Same as Above (7-9-2004)	Ammonia: 10 ppmvd @ 15% O ₂ (7-9-2004)
Landfill or Digester Gas Fired	0.8 grams/bhp-hr (4-10-98)	0.60 grams/bhp-hr (4-10-98)	Compliance with Rule 431.1 (10-20-2000)	2.5 grams/bhp-hr (4-10-98)		

* Means those facilities that are not major polluting facilities as defined by Rule 1302 - Definitions

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Best Available Control Technology (BACT) Guidelines for Non-Major Polluting Facilities*

DRAFT

12-02-2016 Rev. 0
2-2-2018 Rev. 1

Equipment or Process: - I.C. Engine, Stationary, Non-Emergency, Non-Electrical Generators ⁺

Subcategory/ Rating/Size	Criteria Pollutants					Inorganic
	VOC	NO _x	SO _x	CO	PM ₁₀	
> 50 bhp	Compliance with SCAQMD Rule 1110.2 (12-02-2016)	Compliance with SCAQMD Rule 1110.2 (12-02-2016)	See Clean Fuels Policy in Part C of the BACT Guidelines (12-02-2016)	Compliance with SCAQMD Rule 1110.2 (12-02-2016)	See Clean Fuels Policy in Part C of the BACT Guidelines (12-02-2016) Compliance with Rule 1470 (12-02-2016)	
Landfill or Digester Gas Fired ²¹	<u>Compliance with SCAQMD Rule 1110.2 0-8 grams/bhp-hr (12-02-2016)(2-2-2018)</u>	<u>Compliance with SCAQMD Rule 1110.2 0-60 grams/bhp-hr (12-02-2016)(2-2-2018)</u>	Compliance with SCAQMD Rule 431.1 (12-02-2016)	<u>Compliance with SCAQMD Rule 1110.22-5 grams/bhp-hr (12-02-2016)(2-2-2018)</u>		

1) ~~This BACT listing was adapted from the “I.C. Engine, Stationary, Non-Emergency.” An additional listing for “I.C. Engine, Stationary, Non-Emergency, Electrical Generators,” is currently under development. Until the amendment is developed, Stationary, Non-Emergency, Electrical Generators will be subject to “I.C. Engine, Stationary, Non-Emergency.”~~

2) 1) For the adoption of this new listing, the requirements for this subcategory were transferred directly from the existing requirements under “I.C. Engine, Stationary, Non-Emergency.” The requirements are not new, but the date listed was updated to reflect the date of adoption of the new listing.

* Means those facilities that are not major polluting facilities as defined by Rule 1302 - Definitions

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Best Available Control Technology (BACT) Guidelines for Non-Major Polluting Facilities*

DRAFT

2-2-2018 Rev. 0

Equipment or Process: I.C. Engine, Stationary, Non-Emergency, Electrical Generators ¹

<u>Subcategory/ Rating/Size</u>	<u>Criteria Pollutants</u>					<u>Inorganic</u>
	<u>VOC</u>	<u>NO_x</u>	<u>SO_x</u>	<u>CO</u>	<u>PM₁₀</u>	
<u>> 50 bhp</u>	<u>Compliance with SCAQMD Rule 1110.2 (2-2-2018)</u>	<u>Compliance with SCAQMD Rule 1110.2 (2-2-2018)</u>	<u>See Clean Fuels Policy in Part C of the BACT Guidelines (2-2-2018)</u>	<u>Compliance with SCAQMD Rule 1110.2 (2-2-2018)</u>	<u>See Clean Fuels Policy in Part C of the BACT Guidelines (2-2-2018) Compliance with Rule 1470 (2-2-2018)</u>	
<u>Landfill or Digester Gas Fired</u>	<u>Compliance with SCAQMD Rule 1110.2 (2-2-2018)</u>	<u>Compliance with SCAQMD Rule 1110.2 (2-2-2018)</u>	<u>Compliance with SCAQMD Rule 431.1 (2-2-2018)</u>	<u>Compliance with SCAQMD Rule 1110.2 (2-2-2018)</u>		

1) This BACT listing was adapted from the previous "I.C. Engine, Stationary, Non-Emergency," Part D BACT listing.

* Means those facilities that are not major polluting facilities as defined by Rule 1302 - Definitions

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Best Available Control Technology (BACT) Guidelines for Non-Major Polluting Facilities*

DRAFT

10-20-2000 Rev. 0
12-5-2003 Rev. 1
7-14-2006 Rev 2
2-2-2018 Rev 3

Equipment or Process: Printing (Graphic Arts)

Subcategory	Criteria Pollutants					
	VOC	NO _x	SO _x	CO	PM ₁₀	Inorganic
Flexographic	Inks with ≤ 1.5 Lbs VOC/Gal, Less Water and Less Exempt Compounds (1990); or use of UV/EB or water-based inks/coatings ≤ 180 g VOC/L. Compliance with SCAQMD Rules 1130 and 1171 (12-5-2003) <u>(2-2-2018)</u>					
<u>Control</u>	For add-on control required by SCAQMD Rule 1130(c)(5) or other District requirement: EPA M. 204 Permanent Total Enclosure (100% collection) vented to RTO with 95% overall control efficiency; Combustion Chamber: Temp $\geq 1500^{\circ}\text{F}^1$, Retention Time > 0.3 seconds <u>(2-2-2018)</u>	Compliance with SCAQMD Rule 1147 at time of applicability <u>(2-2-2018)</u>				
Letterpress	Compliance with SCAQMD Rules 1130 and 1171 (12-5-2003)					
Lithographic or Offset, Heatset	Low VOC Fountain Solution ($\leq 8\%$ by Vol. VOC); Low Vapor Pressure (≤ 10 mm Hg VOC Composite Partial Pressure^{1b}) or Low VOC (≤ 100 g/l) Blanket and Roller Washes; Oil-Based or UV-Curable Inks; and Compliance with SCAQMD Rules 1130 and 1171 (7-14-2006) <u>(2-2-18)</u>				Oven Venting to an Afterburner (≥ 0.3 Sec. Retention Time at $\geq 1400^{\circ}\text{F}$; 95% Overall Efficiency) (10-20-2000)	
<u>Control</u>	Oven Venting to an Afterburner (≥ 0.3 Sec.					

* Means those facilities that are not major polluting facilities as defined by Rule 1302 - Definitions

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
Best Available Control Technology (BACT) Guidelines for Non-Major Polluting Facilities*

Subcategory	Criteria Pollutants					
	VOC	NO _x	SO _x	CO	PM ₁₀	Inorganic
	Retention Time at ≥ 1400 °F; 95% Overall Efficiency) (10-20-2000)					

(Continued on next page)

Lithographic or Offset, Non-Heatset	Same As Above					
Rotogravure or Gravure—Publication and Packaging	Compliance with SCAQMD Rules 1130 and 1171 (10-20-2000)					
Screen Printing and Drying	Compliance with SCAQMD Rules 1130.1 and 1171 (12-5-2003) ; or use of Rule 1130.1 and 1171 compliant UV/EB or water-based inks/coatings. (2-2-2018).					

(Continued on Next Page)

* Means those facilities that are not major polluting facilities as defined by Rule 1302 - Definitions

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Best Available Control Technology (BACT) Guidelines for Non-Major Polluting Facilities*

1) ~~VOC COMPOSITE PARTIAL PRESSURE is the sum of the partial pressures of the compounds defined as VOCs. VOC Composite Partial Pressure is calculated as follows:~~

$$PP_c = \frac{\sum_{i=1}^n \frac{(W_i)(VP_i)}{MW_i}}{\frac{W_w}{MW_w} + \frac{W_e}{MW_e} + \sum_{i=1}^n \frac{W_i}{MW_i}}$$

Where:	PP _c	=	VOC composite partial pressure at 20°C in mm Hg
	W _i	=	Weight of the "i"th VOC compound in grams
	MW _i	=	Molecular weight of "i"th VOC compound in grams per gram mole
	VP _i	=	Vapor pressure of the "i"th VOC compound at 20°C in mm Hg
	W _w	=	Weight of water in grams
	MW _w	=	Molecular weight of water in grams per gram mole
	W _e	=	Weight of exempt compound in grams
	MW _e	=	Molecular weight of exempt compound in grams per gram mole

~~For multiple exempt compounds: $W_e / MW_e = \sum_{j=1}^n W_{ej} / MW_{ej}$~~

12) or temperature demonstrating equivalent overall control efficiency in a District-approved source test.

* Means those facilities that are not major polluting facilities as defined by Rule 1302 - Definitions

ATTACHMENT D

Flexographic Printing Press Cost Effectiveness Calculations for Regenerative Thermal Oxidizer as control - Asia Plastics

Flexo Printing Presses Info

Manufacturer: Hon Jin Iron Works
 Model: HJ-222, 4-Color, Air Dry
 Model HJ-HS6001, 6-Color, Air Dry
 Operation Schedule: 16 hr/day, 365 days/yr

Control Technology

RTO - Ship & Shore
 Model SSE-3K-95X-RTO, 1.35MMBtu/hr

Capital Cost

Equipment	\$	160,000
Direct & Indirect Installation	\$	140,000
Total Capital	\$	300,000

Operating Cost

Direct & Indirect	\$	124,720
Total Average Annual	\$	124,720

Present Value of Capital Costs	\$	300,000
Present Value of Annual Costs (10 years @ 4%)	\$	1,011,479
Total 10-Year Capital Cost	\$	1,311,479

Uncontrolled Emissions (lbs/day)	133
Control Efficiency	95%
Controlled Emissions (lbs/day)	127
Controlled Emissions (tons/10 years)	231
Cost per ton of VOC controlled	\$ 5,675

MSBACT maximum cost effectiveness ROG (\$/ton)	\$ 28,886
	COST EFFECTIVE
	\$ 28,107
MSBACT maximum cost effectiveness ROG (\$/ton)	\$ 86,658
	COST EFFECTIVE
	\$ 84,322

AVERAGE
<i>1st quarter 2013 M&S cost effectiveness (1558.7)</i>
INCREMENTAL
<i>1st quarter 2013 M&S cost effectiveness (1558.7)</i>

Notes:

- Calculations were based on Regenerative Thermal Oxidizer permit application no. 548337 submitted by applicant controlling VOC emissions from two Flexographic Printing Presses, 6-color and 4-color. In addition to cost information provided by applicant.
- 133.3 lbs/day of uncontrolled VOC emissions was the baseline used in determining cost effectiveness
- Maximum allowed cost effectiveness was based on 1st quarter 2017 Marshall & Swift index
- Incremental costs are assumed to be the same since there is no more stringent control technology

Bakery Oven Cost Effectiveness Calculations for Regenerative Thermal Oxidizer (RTO) as control - Bon Appetit

Oven Information

Manufacturer: GPA Orlandi
Model: Turbo termo oven 25
Rating/Fuel: 5,000,000 Btu/hr
4 Burners, 3x1MM Btu/hr & 1x2MM Btu/hr
Outside Dimensions: 86'-5"L, 15'-5"W, 6'-3"H
Operation Schedule: 24 hr/day, 360 days/yr

Control Technology

RTO - Alliance Corporation
Model Boxidizer 2-bed, .96 therms/hr

Capital Cost

Equipment	\$	150,166
Direct Installation	\$	85,600
Indirect Installation	\$	18,020
Total Capital	\$	253,786

Operating Cost

Direct & Indirect	\$	42,046
Total Average Annual	\$	42,046

Present Value of Capital Costs	\$	253,786
Present Value of Annual Costs (10 years @ 4%)	\$	340,993
Total 10-Year Capital Cost	\$	594,779

Uncontrolled Emissions (lbs/day)	30
Control Efficiency	95%
Controlled Emissions (lbs/day)	29
Controlled Emissions (tons/10 years)	52
Cost per ton of VOC controlled	\$ 11,435

MSBACT maximum cost effectiveness ROG (\$/ton)	\$ 28,886	AVERAGE
	COST EFFECTIVE	
MSBACT maximum cost effectiveness ROG (\$/ton)	\$ 86,658	INCREMENTAL
	COST EFFECTIVE	

Notes:

- Calculations were based on cost effectiveness analysis submitted by applicant in April 2017 for Bakery Oven permit application no. 523867 that was evaluated for cost-effectiveness for expected 15.56 lbs/day of uncontrolled VOC emissions and cost estimates from another RTO manufacturer.
- 30 lbs/day of uncontrolled VOC emissions was the baseline used in determining cost effectiveness
- Maximum allowed cost effectiveness was based on 1st quarter 2017 Marshall & Swift index
- Incremental costs are assumed to be the same since there is no more stringent control technology

Bakery Oven Cost Effectiveness Calculations for Catalytic Oxidizer as control- Bon Appetit**Oven Information**

Manufacturer: GPA Orlandi
 Model: Turbo termo oven 25
 Rating/Fuel: 5,000,000 Btu/hr
 4 Burners, 3x1MM Btu/hr & 1x2MM Btu/hr
 Outside Dimensions: 86'-5"L, 15'-5"W, 6'-3"H
 Operation Schedule: 24 hr/day, 360 days/yr

Control Technology

CSM
 Cat-Ox Model 30A, 0.80MMBtu/hr

Capital Cost

Equipment	\$	460,438
Direct Installation	\$	277,455
Indirect Installation	\$	56,416
Total Capital	\$	794,309

Operating Cost

Direct	\$	75,136
Indirect	\$	2,000
Total Average Annual	\$	77,136

Present Value of Capital Costs	\$	794,309
Present Value of Annual Costs (10 years @ 4%)	\$	625,573
Total 10-Year Capital Cost	\$	1,419,882

Uncontrolled Emissions (lbs/day)	30
Control Efficiency	95%
Controlled Emissions (lbs/day)	28.50
Controlled Emissions (tons/10 years)	51.30
Cost per ton of VOC controlled	\$ 27,678

MSBACT maximum cost effectiveness (\$/ton)	\$ 28,886
	COST EFFECTIVE

MSBACT maximum cost effectiveness (\$/ton)	\$ 86,658
	COST EFFECTIVE

Notes:

- Calculations were based on cost effectiveness analysis submitted by applicant in April 2017 for Bakery Oven permit application no. 523867 that was evaluated for cost-effectiveness for expected 15.56 lbs/day of uncontrolled VOC emissions.
- 30 lbs/day of uncontrolled VOC emissions was the baseline used in determining cost effectiveness
- Maximum allowed cost effectiveness was based on 1st quarter 2017 Marshall & Swift index
- Incremental costs are assumed to be the same since there is no more stringent control technology

Bakery Oven Cost Effectiveness Calculations for Catalytic Oxidizer as control - Aryzta, Ontario

Oven Information (two identical ovens vented)

Manufacturer: Baking Technology
Model: Baketech Maxisaver bun oven
Rating/Fuel: 7,300,000 Btu/hr
24 Burners, Flynn no. 162HN, 30ppm NOx
Outside Dimensions: 48'-4"L, 33'-0"W, 11'-0"H
Operation Schedule: 24 hr/day, 360 days/yr

Control Technology

CSM
Cat-Ox Model 180A, 2.7MMBtu/hr

Capital Cost

Equipment	\$	709,769
Direct Installation	\$	45,000
Indirect Installation	\$	71,000
Total Capital	\$	825,769

Operating Cost

Direct and Indirect	\$	37,178
Total Average Annual	\$	37,178

Present Value of Capital Costs	\$	825,769
Present Value of Annual Costs (10 years @ 4%)	\$	301,514
Total 10-Year Capital Cost	\$	1,127,283

Uncontrolled Emissions (lbs/day)

		114
Control Efficiency		95%
Controlled Emissions (lbs/day)		108.64
Controlled Emissions (tons/10 years)		195.56
Cost per ton of VOC controlled	\$	5,765

MSBACT maximum cost effectiveness ROG (\$/ton)	\$	28,886
		COST EFFECTIVE
	\$	24,573
MSBACT maximum cost effectiveness ROG (\$/ton)	\$	86,658
		COST EFFECTIVE
	\$	73,719

AVERAGE
<i>1st quarter 2007 M&S cost effectiveness (1362.7)</i>
INCREMENTAL
<i>1st quarter 2007 M&S cost effectiveness (1362.7)</i>

Notes:

- Calculations were based on cost effectiveness analysis provided by applicant for Cat-Ox under application no. 548869 venting two bakery ovens appl. Nos. 548863 & 548866 for expected 114.36 lbs/day of uncontrolled VOC emissions.
- Since applicant stated that these costs are almost 10 years old, cost effectiveness based on 1st quarter 2007 Marshall & Swift index was also used.
- Incremental costs are assumed to be the same since there is no more stringent control technology



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

SUBJECT: NOTICE OF EXEMPTION FROM THE CALIFORNIA
ENVIRONMENTAL QUALITY ACT

PROJECT TITLE: PROPOSED AMENDED BEST AVAILABLE CONTROL
TECHNOLOGY GUIDELINES

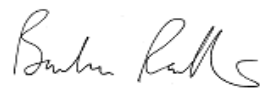
Pursuant to the California Environmental Quality Act (CEQA) Guidelines, the South Coast Air Quality Management District (SCAQMD) is the Lead Agency and has prepared a Notice of Exemption for the project identified above.

SCAQMD staff has reviewed the proposed project to amend the Best Available Control Technology (BACT) Guidelines pursuant to: 1) CEQA Guidelines Section 15002(k) - General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 - Review for Exemption, procedures for determining if a project is exempt from CEQA.

Since the proposed project is comprised of updates to the existing requirements and new Lowest Achievable Emission Rate (LAER)/BACT determinations in the BACT Guidelines to reflect the most current achieved-in-practice air pollution control equipment and/or processes, SCAQMD staff has determined that it can be seen with certainty that there is no possibility that the proposed amendments to the BACT Guidelines may have a significant adverse effect on the environment. In addition, SCAQMD staff has conducted an analysis to demonstrate compliance with California Health and Safety Code Section 40440.11, which shows that the achieved in practice controls are both economically and technically feasible for minor sources. Therefore, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Activities Covered by General Rule. A Notice of Exemption has been prepared pursuant to CEQA Guidelines Section 15062 – Notice of Exemption. If the project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.

Any questions regarding this Notice of Exemption should be sent to Ryan Bañuelos (c/o Planning, Rule Development and Area Sources) at the above address. Mr. Bañuelos can also be reached at (909) 396-3479. Mr. Alfonso Baez (909) 396-2516 should be contacted to answer any questions regarding the proposed amended guidelines.

Date: December 7, 2017

Signature: 
Barbara Radlein
Program Supervisor, CEQA Section
Planning, Rules, and Area Sources

Reference: California Code of Regulations, Title 14

NOTICE OF EXEMPTION

To: County Clerks Counties of Los Angeles, Orange, Riverside, and San Bernardino	From: South Coast Air Quality Management District 21865 Copley Drive Diamond Bar, CA 91765
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Project Title: Proposed Amended Best Available Control Technology (BACT) Guidelines

Project Location: The SCAQMD has jurisdiction over the four-county South Coast Air Basin (all of Orange County and the non-desert portions of Los Angeles, Riverside and San Bernardino counties), and the Riverside County portions of the Salton Sea Air Basin (SSAB) and Mojave Desert Air Basin (MDAB). The SCAQMD's jurisdiction includes the federal nonattainment area known as the Coachella Valley Planning Area, which is a sub-region of Riverside County and the SSAB.

Description of Nature, Purpose, and Beneficiaries of Project: SCAQMD staff is proposing several amendments to the BACT Guidelines to reflect the most current achieved-in-practice air pollution control equipment and/or processes. The following new major source categories are proposed to be added to Part B, Section 1 – SCAQMD Lowest Achievable Emissions Rate (LAER): 1) Food Ovens (Bakery with Catalytic Oxidizer add-on control, Tortilla Chip, and Snack Food); 2) Furnace, Heat Treating Aluminum (≤ 900 degrees Fahrenheit); and 3) Flares (Biogas rated at 12 million British Thermal Units per hour (MMBTU/hr) and 39.3 MMBTU/hr, and Landfill Gas rated at 120 MMBTU/hr). Updates to the following major source categories are proposed to Part B, Section 1 – SCAQMD LAER: 1) Boiler rated at 39.9 MMBTU/hr with selective catalytic reduction (SCR); and 2) Internal Combustion (I.C.) Engine - Digester Gas-Fired rated at 3,471 brake horsepower (hp) and 2,500 kilowatts with digester gas cleanup, oxidation catalyst, and SCR. Updates to Part B, Section III – Other Technologies, are proposed for the following categories of emerging technologies in operation with an air quality permit that are not yet qualified as LAER: 1) I.C. Engine, Stationary, Emergency, Electrical Generator rated at 1 megawatt with a particulate matter trap and SCR; and 2) Fuel Cell Electricity Generator – Digester Gas fueled, electrical power generation with digester gas cleanup rated at 1.4 megawatts. Updates to Part D – Minor Source BACT are proposed for the following categories: 1) Printing, Graphic Arts (Flexographic, Lithographic or Offset, Heatset, and Screen Printing and Drying); 2) Dryer or Oven; 3) I.C. Engine, Stationary, Non-Emergency, Non-Electrical Generators; 4) I.C. Engine, Portable (Tier 4 Final, rated between 75 hp and 175 hp). In addition, the following new minor source categories are proposed to be added to Part D: 1) Food Oven – Ribbon, Direct-fired and Infrared Burners, Other Burners and Add-on control for bakery oven; and 2) I.C. Engine, Stationary, Non-Emergency, Electrical Generators. The category of I.C. Engine, Stationary, Non-Emergency is proposed for deletion from Part D. Lastly, an equipment category search web link is proposed to make the BACT Guidelines user friendly.

Public Agency Approving Project:
South Coast Air Quality Management District

Agency Carrying Out Project:
South Coast Air Quality Management District

Exempt Status: CEQA Guidelines Section 15061(b)(3) – Activities Covered by General Rule

Reasons why project is exempt: SCAQMD staff has reviewed the proposed amendments to the BACT Guidelines pursuant to: 1) CEQA Guidelines Section 15002(k) - General Concepts, the three-step process for deciding which document to prepare for a project subject to CEQA; and 2) CEQA Guidelines Section 15061 - Review for Exemption, procedures for determining if a project is exempt from CEQA. The proposed amendments are comprised of updates to the BACT Guidelines with achieved-in-practice air pollution control equipment for major and minor sources. In addition, SCAQMD staff has conducted an analysis to demonstrate compliance with California Health and Safety Code Section 40440.11, which shows that the achieved in practice controls are both economically and technically feasible for minor sources. SCAQMD staff has also determined that it can be seen with certainty that there is no possibility that the proposed amendments to the BACT Guidelines may have a significant adverse effect on the environment. Therefore, the project is considered to be exempt from CEQA pursuant to CEQA Guidelines Section 15061(b)(3) – Activities Covered by General Rule.

Date When Project Will Be Considered for Approval (subject to change):
SCAQMD Governing Board Hearing: February 2, 2018; SCAQMD Headquarters

CEQA Contact Person: Mr. Ryan Bañuelos	Phone Number: (909) 396-3479	Email: rbaneuelos@aqmd.gov	Fax: (909) 396-3982
Rule Contact Person: Mr. Alfonso Baez	Phone Number: (909) 396-2516	Email: abaez@aqmd.gov	Fax: (909) 396-3252

Date Received for Filing: _____	Signature: _____ <i>(Signed Upon Board Approval)</i> Barbara Radlein Program Supervisor, CEQA Section Planning, Rule Development & Area Sources
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ATTACHMENT F

Public Comment Letters and Staff Responses

BACT Scientific Review Committee Meetings

30-Day Comment Period Starting October 26, 2017

- AA. Comment Letter AA – Alison Torres, Eastern Municipal Water District (e-mail)
- BB. Comment Letter BB – Terry Ahn, Orange County Sanitation District (e-mail)
- CC. Comment Letter CC – Bridget McCann, Western States Petroleum Association (e-mail)
- DD. Comment Letter DD – Rita Loof, RadTech (e-mail)

30-Day Comment Period Starting April 4, 2017

- A. Comment Letter A – Gary Rubenstein, Sierra Research
- B. Comment Letter B – Gerry Bonetto, Printing Industries Association of So. California
- C. Comment Letter C – Rita Loof, RadTech
- D. Comment Letter D – Phanindra Kondagari, Aereon
- E. Comment Letter E – Marcia Kinter, Specialty Graphic Imaging Association
- F. Comment Letter F – Alfred Javier, Eastern Municipal Water District
- G. Comment Letter G – David Rothbart, Los Angeles County Sanitation District
- H. Comment Letter H – Sylvie Lee, Inland Empire Utilities Agency
- I. Comment Letter I – Karl Lany, Montrose Air Quality Services
- J. SCAQMD Staff responses to comments from April 4, 2017 BACT Scientific Review Committee meeting and Public Comment Letters

RESPONSE TO COMMENTS FOR PROPOSED AMENDMENTS OF THE BACT GUIDELINES

A public meeting was held on October 26, 2017 with the BACT Scientific Review Committee to present and discuss the proposed amendments to the BACT Guidelines. The following are staff responses to comments and questions from letters and e-mails received from the 30-day comment period:

Comment Letter AA – Alison Torres, Eastern Municipal Water District (e-mail)

Comment Letter BB – Terry Ahn, Orange County Sanitation District (e-mail)

Comment Letter CC – Bridget McCann, Western States Petroleum Association (e-mail)

Comment Letter DD – Rita Loof, RadTech (e-mail)

COMMENT LETTER AA

Al Baez

From: Torres, Alison [REDACTED]
Sent: Tuesday, November 7, 2017 9:46 AM
To: Al Baez
Cc: Tom Lee
Subject: BACT Comments

Good Morning Al,

Thank you for the opportunity to provide comments on the BACT determinations presented at the BACT SRC Meeting on Thursday October 26, 2017.

We appreciate your consideration of the comment letter we submitted in May 2017 and the changes you made based on those comments. We have some additional comments on the package provided at the October 26 SRC meeting.

Our comments are detailed below.

- Part B, Section I, SCAQMD LAER-Flare Biogas listing (A/N 513835):
 - AA1** ○ Section 1.L.- change "achieve reliable operation" to "improve reliable operation"
 - AA2** ○ Section 6.E.- add "@3% O2" to source test performance data for VOC
 - AA3** ○ Add "Wastewater" to Equipment Subcategory
- Part B, Section I, SCAQMD BACT-Updated listing, IC Engine DG fired (A/N 546360):
 - AA4** ○ We suggest adding discussion related to the need for fuel pretreatment to Section 1.L.
 - AA5** ○ We suggest adding some information related to the max inlet siloxane requirements based on control system specs to the listing.
- Part B, Section III, Other Technologies- IC Stationary Emergency Generator (A/N 567735)
 - AA6** ○ Listing should indicate that the engine is a Tier 2 certified engine.

Please let me know if you have questions or need additional information.

Thank you!

Alison Torres

Sr. Air Quality Compliance Analyst
Environmental & Regulatory Compliance Dept
Eastern Municipal Water District
[REDACTED]
[REDACTED]

Serving our community today and tomorrow

COMMENT LETTER BB

Al Baez

From: Ahn, Terry [REDACTED]
Sent: Monday, November 13, 2017 1:02 PM
To: Al Baez
Cc: Tom Lee
Subject: RE: EXTERNAL: proposed BACT/LAER listing of OCSB biogas engine A/N: 546360
Attachments: Lab Siloxane Data Nov 2016-Nov 2017.xlsx



Hi Al,

Please find attached Siloxane analysis results for OCSD's digester gas for the past 12 months. The sampling/analysis is done in-house usually twice a month. Based on these results, the suggested inlet Siloxanes loading would be less than 1 ppmv for D4 and less than 5 ppmv for D5. [REDACTED]

[REDACTED]

[REDACTED]

BB1

If you have any questions please let me know.

Thanks,

Terry Ahn
Orange County Sanitation District
Regulatory Specialist
[REDACTED]
www.ocsewers.com

COMMENT LETTER CC

Al Baez

From: Bridget McCann ■■■■■■■■■■
Sent: Monday, November 27, 2017 2:24 PM
To: Al Baez
Subject: Comments on Section 1, SCAQMD BACT Determination (Major/LAER)
Attachments: LAER_Section1_all_WSPA Comments 112717.pdf

Hi Al—

Attached are my comments regarding Section 1, SCAQMD BACT Determination (Major/LAER). I have made my comments directly onto the draft document.

Let me know if you have any questions.

Thank you,
Bridget

Bridget McCann
Manager, Southern California Region
Western States Petroleum Association



WSPA comments are listed in the comment bubbles in the margin. All other edits are made by SCAQMD staff.



Section 1, SCAQMD BACT Determination

Source Type: **Major/LAER**
Application No.: **562449**
Equipment Category: **Boiler**
Equipment Subcategory: **39.9 MMBtu/hr with SCR**
Date: **March 22, 2016**

1. EQUIPMENT INFORMATION

A. MANUFACTURER: Simoneau		B. MODEL: FX2-35
C. DESCRIPTION: 39.9 MMBtu watertube boiler with low NOx burner and SCR unit with ammonia injection		
D. FUNCTION: Boilers provides steam for laundry facilities, hospital heating and sterilization procedures.		
E. SIZE/DIMENSIONS/CAPACITY: Boiler No. 2		
COMBUSTION SOURCES		
F. MAXIMUM HEAT INPUT: 39.9 MMBtu/hr		
G. BURNER INFORMATION		
TYPE	INDIVIDUAL HEAT INPUT	NUMBER
WEBSTER	39.9 MMBtu/hr	1
H. PRIMARY FUEL: NATURAL GAS	FUEL OIL	
J. OPERATING SCHEDULE:	24 7 52	
K. EQUIPMENT COST:		
L. EQUIPMENT INFORMATION COMMENTS: EQUIPMENT IS NEW CONSTRUCTION. THREE IDENTICAL BOILERS AND SCR WITH IDENTICAL LIMITS. ADD'L PERMIT NO. BOILER 1 G36227, BOILER 3 G36229, SCR 1 G36231, SCR 3 G36234		

2. COMPANY INFORMATION

A. COMPANY: US GOVT, VET. AFFAIRS MED CTR (LONG BEACH)		B. FAC ID: 13990
C. ADDRESS: 5901 E. 7 th ST. CITY: Long Beach STATE: CA ZIP: 90822		D. NAICS CODE: 622110
E. CONTACT PERSON: Jason Thompson		F. TITLE: Env Protection Spec.
G. PHONE NO.: 562-826-8000 x3083	H. EMAIL:	

3. PERMIT INFORMATION

A. AGENCY: SCAQMD	B. APPLICATION TYPE: NEW CONSTRUCTION
C. SCAQMD ENGINEER: Roy Olivares	
D. PERMIT INFORMATION: PC ISSUANCE DATE: P/O NO.: G36227 PO ISSUANCE DATE: 6/18/2015	
E. START-UP DATE: 8/7/2015	
F. OPERATIONAL TIME: > 1 year	

4. EMISSION INFORMATION

A. BACT EMISSION LIMITS AND AVERAGING TIMES:						
	VOC	NOx	SOx	CO	PM OR PM ₁₀	INORGANIC
BACT Limit		5 ppmvd		100 ppmvd		5 ppmvd NH3 slip
Averaging Time		15 min		15 MIN		60 MIN
Correction		@ 3% O2		@ 3% O2		@ 3% O2
B. OTHER BACT REQUIREMENTS: When firing on Standby fuel: 40 ppmvd NOx @3%O2, 15 min avg, 400 ppmvd CO @3%O2.						
C. BASIS OF THE BACT/LAER DETERMINATION: Achieved in Practice/New Technology						
D. EMISSION INFORMATION COMMENTS: Enter any additional comments regarding Emissions Information.						

CC1

Comment [BM1]: The averaging time for NOx emissions should be 1 hour or multi-hour (as applicable), as specified in EPA NSPS 40 CFR Part 60 Subpart D. BACT determinations are case-by-case and similarly the applicable averaging periods are case-by-case determinations. In many cases 1-hr averages or longer are appropriate for BACT and consistent with applicable NSPS and/or NESHAPS standards.

Comment [BM2]: Same comment applies here. The averaging time for NOx emissions should be 1 hour or multi-hour (as applicable), as specified in EPA NSPS 40 CFR Part 60 Subpart D. BACT determinations are case-by-case and similarly the applicable averaging periods are case-by-case determinations. In many cases 1-hr averages or longer are appropriate for BACT and consistent with applicable NSPS and/or NESHAPS standards.

CC2

5. CONTROL TECHNOLOGY

A. MANUFACTURER: Pasasia		B. MODEL: Custom	
C. DESCRIPTION: Selective Catalytic Reduction, low temp de-NOx, haldor topsoe, model dnx-1029. Ammonia injection, three 150 lb cylinders, feed forward			
D. SIZE/DIMENSIONS/CAPACITY: 4'-9" W x 4'-9" L x 9'-0" H			
E. CONTROL EQUIPMENT PERMIT INFORMATION: APPLICATION NO. 562452 PC ISSUANCE DATE: PO NO.: G36233 PO ISSUANCE DATE: 6/18/2015			
F. REQUIRED CONTROL EFFICIENCIES: Emission requirements are mass based and listed in Section 4 emission Information			
CONTAMINANT	OVERALL CONTROL EFFICIENCY	CONTROL DEVICE EFFICIENCY	COLLECTION EFFICIENCY
VOC	%	%	%
NOx	%	%	%
SOx	%	%	%
CO	%	%	%
PM	%	%	%
PM ₁₀	%	%	%
INORGANIC	%	%	%
G. CONTROL TECHNOLOGY COMMENTS Pressure drop not to exceed 2.5" H2O. SCR be temperature 400-650oF. Ammonia injection shall not exceed 0.55 lb/hr. Ammonia injection to start when cat bed outlet temp reaches 400oF. Start-ups not to exceed 120 min for cold start and 30 min for warm start.			

6. DEMONSTRATION OF COMPLIANCE

A. COMPLIANCE DEMONSTRATED BY: Source Test PR16435
B. DATE(S) OF SOURCE TEST: October 12, 2016
C. COLLECTION EFFICIENCY METHOD:
D. COLLECTION EFFICIENCY PARAMETERS:
E. SOURCE TEST/PERFORMANCE DATA: low mid and high fire each tested for NOx, CO and NH3. Reference source test report for details of each load tested. All loads met emission limits for each contaminant,
F. TEST OPERATING PARAMETERS AND CONDITIONS: Low fire 322 Mcfd, mid fire 437 Mcfd, 814 Mcfd
G. TEST METHODS (SPECIFY AGENCY): SCAQMD Method 207.1, SCAQMD 100.1

H. MONITORING AND TESTING REQUIREMENTS: NH3 slip test every 3 months for first year.
I. DEMONSTRATION OF COMPLIANCE COMMENTS:

7. ADDITIONAL SCAQMD REFERENCE DATA

A. BCAT: 011204	B. CCAT: 81	C. APPLICATION TYPE CODE: 10	
D. RECLAIM FAC? YES <input type="checkbox"/> NO <input type="checkbox"/>	E. TITLE V FAC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F. SOURCE TEST ID(S): PR16435	
G. SCAQMD SOURCE SPECIFIC RULES: 1146			
H. HEALTH RISK FOR PERMIT UNIT			
H1. MICR:	H2. MICR DATE:	H3. CANCER BURDEN:	H4. CB DATE:
H5. HIA:	H6. HIA DATE:	H7. HIC:	H8. HIC DATE:

COMMENT LETTER DD

Al Baez

From: Rita Loof [REDACTED]
Sent: Monday, November 27, 2017 11:18 PM
To: Al Baez
Subject: BACT Comments
Attachments: Commnets BACT 1117.doc

Dear Al,

DD1 Please refer to our previous comments on the BACT guidelines proposal. We appreciate your consideration of UV/EB/LED technology as a compliance option.

DD2 As per your request, attached please find a listing of permitted UV equipment. We can provide additional information if needed. Thank you so much,
Rita

Rita M. Loof
Director, Environmental Affairs
RadTech International

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

www.radtech.org



Flexographic Printing, UV

Facility Name	Permit #	Date Issued
Accurate Label	F31154	04/06/00
Accurate Label	F31155	04/06/00
Accurate Label	F31156	04/06/00
Accurate Label	F31157	04/06/00
Accurate Label	F31158	04/06/00
Accurate Label	F31160	04/06/00
Accurate Label	F31161	04/06/00
Accurate Label	F31162	04/06/00
CCL Label	F16171	09/24/98
CCL Label	F16172	09/25/98
CCL Label	F21107	06/30/99
CCL Label	F16175	09/24/98
CCL Label	F5347	02/12/97
CCL Label	F5349	02/12/97
Pac West Label & Graphics	F18786	01/14/99
Pac West Label & Graphics	F18787	01/14/99
Pac West Label & Graphics	F18789	01/14/99
Pac West Label & Graphics	F18790	01/14/99
Pac West Label & Graphics	F18791	01/14/99
California Litho CO. Inc.	F33208	08/16/00
The Label Co,	F10135	10/29/97
The Label Co,	F10136	10/29/97
National Card, Label & Affixing Inc.	F25239	03/10/00
KenPak Inc	F22938	12/03/99
Western Shield Label Co. Inc.	F20459	05/05/99
Western Shield Label Co. Inc.	F20460	05/05/99
Genforms Corp.	F30121	05/16/00

Lithographic Printing, UV

Holiday Printing & Lithograph Inc.	F32751	07/25/00
Westminster Press	F15320	08/11/98
K & D Graphics, A California Corp.	F24307	02/09/00
Jaco Printing Corp, Business Forms Press	D53533	05/21/92
Jaco Printing Corp, Business Forms Press	F15651	11/24/98
Jaco Printing Corp, Business Forms Press	F15651	11/24/98
Royal Paper Box Co.	D92649	08/10/95
Creative Mailings Inc.	F31957	06/21/00

Screen Printing, UV

Screen Label Corp.	D90436	05/03/95
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Spray Booth, UV

Excel Cabinets, Inc.	Application # 450588	11/26/05
Head West Inc.	F80114	01/12/06

Response to Comment Letter AA (Alison Torres, EMWD)

Comment AA1:

Part B, Section I, SCAQMD LAER-Flare Biogas listing (A/N 513835): Section 1.L.- change “achieve reliable operation” to “improve reliable operation”

Response AA1:

Staff agrees and has revised language in Section 1.L to “improve reliable operation”.

Comment AA2:

Part B, Section I, SCAQMD LAER-Flare Biogas listing (A/N 513835): Section 6.E.- add “@3% O₂” to source test performance data for VOC.

Response AA2:

Staff agrees and has included language in Section 6.E to read “@ 3% O₂”.

Comment AA3:

Part B, Section I, SCAQMD LAER-Flare Biogas listing (A/N 513835): Add “Wastewater” to Equipment Subcategory

Response AA3:

Staff agrees and has included clarification language to Equipment Subcategory of “Wastewater”.

Comment AA4:

Part B, Section I, SCAQMD BACT-Updated listing, IC Engine DG fired (A/N 546360): We suggest adding discussion related to the need for fuel pretreatment to Section 1.L..

Response AA4:

Staff agrees and has included language in Section 1.L regarding usage of fuel pretreatment.

Comment AA5:

Part B, Section I, SCAQMD BACT-Updated listing, IC Engine DG fired (A/N 546360): We suggest adding some information related to the max inlet siloxane requirements based on control system specs to the listing.

Response AA5:

Staff agrees and has included language regarding inlet siloxane levels.

Comment AA6:

Part B, Section III, Other Technologies- IC Stationary Emergency Generator (A/N 567735): Listing should indicate that the engine is a Tier 2 certified engine.

Response AA6:

Staff agrees and has included clarification language regarding certified Tier 2 engine equipped with Tier 4 Aftertreatment to comply with EPA Tier 4 Requirements.

Response to Comment Letter BB (Terry Ahn, OCSD)

Comment BB1:

The sampling/analysis is done in-house usually twice a month. Based on these results, the suggested inlet Siloxanes loading would be less than 1 ppmv for D4 and less than 5 ppmv for D5.

Response BB1:

Staff agrees and has included language regarding inlet siloxane loading levels of less than 1 ppmv for D4 and less than 5 ppmv for D5.

Response to Comment Letter CC (Bridget McCann, WSPA)

Comment CC1:

Part B, Section I, SCAQMD BACT-Updated listing, Boiler (A/N 562449) Section 4.A: The averaging time for NOx emissions should be 1 hour or multi-hour (as applicable), as specified in EPA NSPS 40 CFR Part 60 Subpart D. BACT determinations are case-by-case and similarly the applicable averaging periods are case-by-case determinations. In many cases 1-hr averages or longer are appropriate for BACT and consistent with applicable NSPS and/or NESHAPS standards.

Comment CC2:

Part B, Section I, SCAQMD BACT-Updated listing, Boiler (A/N 562449) Section 4.B: Same comment applies here. The averaging time for NOx emissions should be 1 hour or multi-hour (as applicable), as specified in EPA NSPS 40 CFR Part 60 Subpart D. BACT determinations are case-by-case and similarly the applicable averaging periods are case-by-case determinations. In many cases 1-hr averages or longer are appropriate for BACT and consistent with applicable NSPS and/or NESHAPS standards.

Response CC1 and CC2:

Staff agrees that BACT determinations are case-specific as is the case with the proposed LAER BACT determination for the 39.9 MMBtu/hr Boiler in Part B, Section I of the BACT Guidelines. The 5 ppmvd, 15 minute average NO_x emission limit listed on section 4A of the BACT determination form is consistent with the applicable Rule 1146 requirement which is also listed on the permit conditions. In addition, EPA has reviewed and made a determination that these type of boilers are subject to 40 CFR Part 60 Subpart Dc, even though they do not have emission limits under Subpart Dc. Specifically, natural gas units are subject to the fuel recordkeeping requirement in 40 CFR 60.48c(g)(2). Furthermore, pursuant to 40 CFR 63.11195(e) these type of boilers are not subject to NESHAP 40 CFR 63 Subpart JJJJJ because they meet the definition of “gas-fired boiler” in 40 CFR 63.11236.

Response to Comment Letter DD (Rita Loof, RadTech)

Comment DD1:

Please refer to our previous comments on the BACT guidelines proposal. We appreciate your consideration of UV/EB/LED technology as a compliance option.

Response DD1:

Staff agrees and has recognized UV/EB ink and coating technology in past BACT determinations both in Part B and D (major and non-major sources) of the BACT Guidelines. Staff is also proposing the inclusion of compliant UV/EB and water-based inks/coatings as an alternative method of BACT compliance for Printing (Graphic Arts)-Flexographic and Screen Printing and Drying operations.

Comment DD2:

As per your request, attached please find a listing of permitted UV equipment.

Response DD2:

Staff will be reviewing the provided list of permitted UV equipment for potential future inclusion into Part B, Section I LAER/BACT determinations.

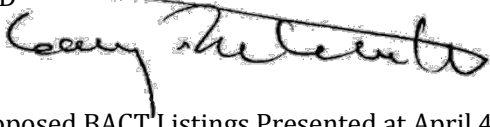
Public Comment Letters and Staff Responses
BACT Scientific Review Committee Meeting (April 4, 2017)

- A. Comment Letter A – Gary Rubenstein, Sierra Research
- B. Comment Letter B – Gerry Bonetto, Printing Industries Association of So. California
- C. Comment Letter C – Rita Loof, RadTech
- D. Comment Letter D – Phanindra Kondagari, Aereon
- E. Comment Letter E – Marcia Kinter, Specialty Graphic Imaging Association
- F. Comment Letter F – Alfred Javier, Eastern Municipal Water District
- G. Comment Letter G – David Rothbart, Los Angeles County Sanitation District
- H. Comment Letter H – Sylvie Lee, Inland Empire Utilities Agency
- I. Comment Letter I – Karl Lany, Montrose Air Quality Services
- J. SCAQMD Staff responses to comments from April 4, 2017 BACT Scientific Review Committee meeting and Public Comment Letters



1801 J Street | Sacramento, CA 95811 | P (916) 444-6666 | F (916) 444-8373
 sierraresearch.com | trinityconsultants.com



To: Al Baez, Jason Aspell
 South Coast AQMD
From: Gary Rubenstein 
Date: April 5, 2017
RE: Comments on Proposed BACT Listings Presented at April 4, 2017 Scientific Review Committee Meeting

Following are my comments on the proposed BACT listings presented to the SCAQMD BACT Scientific Review Committee on April 4, 2017. Please let me know if you have any questions about these comments.

Part B Listings

Section 1: A/N 491442 – Flare – Landfill Gas, Active Solid Waste Landfill, Non-Hazardous Waste

A1

This unit is variously described as being fired with digester gas and landfill gas (with propane as a pilot fuel and/or backup fuel). The listing form should clearly indicate the primary, backup, and pilot fuels used, and whether the emission limits vary depending on the fuel being fired.

Section 1: A/N 448345 – Flare – Digester Gas, Food Waste and Manure Digester

A2

The listing form does not indicate a VOC destruction efficiency for this flare. In addition, while the listing form indicates a minimum operating temperature for the flare, it does not indicate the associated minimum residence time. If the underlying permit does not contain a required VOC destruction efficiency or a minimum residence time, the listing form should so indicate.

Section 3: A/N 591787 – Fuel Cell Electricity Generator – Digester Gas Fueled

A3

The listing form identifies VOC, NO_x, and CO emission limits of 0.10, 0.07, and 0.10 lbs/MW-hr (respectively). Some, if not all, of these limits are associated with sub-1 ppm concentrations in a fuel cell exhaust stream, and may be at or below the limits of detection for approved District and EPA test methods. The listing document does not indicate the test methods used to verify compliance with these BACT levels. I would strongly suggest that you defer publishing this listing until you are able to confirm that compliance with the proposed BACT limits can, in fact, be established with District- or EPA-approved test methods and, if so, the listing should clearly indicate the methods that must be used (and approved deviations, if necessary) to establish compliance. The listing should also clearly indicate whether the limits apply during all fuel cell operating periods, or are applicable only during steady-state charging operation. (The nature of the duty cycle may vary depending on the fuel cell design and application.)

Section 3: A/N 567735 – IC Engine, Stationary, Emergency, Electrical Generators

A4

The listing document states, in Section 1.C, that the engine is equipped with an “integrated aftertreatment system.” To avoid confusion, this description should read as follows: “EPA-certified Compression Ignition Diesel Engine, 12 cylinders, turbocharged and aftercooled, Engine Family [XXX]. Certified configuration includes integrated aftertreatment system including Selective Catalytic Reduction and Diesel Particulate Filter.” In Section 6.A. I recommend that the following clarification be added at the end of the existing sentence: “Compliance with the EPA Tier 4 standards is based on EPA nonroad engine test methods and duty cycles. Tests conducted under other duty cycles, or using different test methods, may produce different results, and are not indicative of noncompliance with the BACT levels.”

Part D Listings

Page 55: Food Oven

A5

The draft listing identifies a catalytic oxidizer as a potential (or required) add-on control device. The conditions under which the CatOx would be required as part of a BACT determination should be clearly stated. (If this determination is applicable only to bakery ovens with yeast-containing products and VOC emissions greater than 25 lbs/day, this should be stated more clearly, and not just implied.) In addition, the draft listing implies that this add-on control could be required for all ovens, regardless of the oven exhaust temperature. The District should clarify whether it expects facility operators to provide supplemental heating to ensure that the CatOx reaches its required minimum operating temperature of 600°F, or whether the listing is limited to ovens that normally achieve that minimum temperature.

A/N 475618: Food Oven, Ribbon Burner > 500°F

A6

Section 4A of the proposed listing indicates a BACT level for NO_x of 30 ppm @ 3% O₂; however, Section 6E reports a NO_x concentration of 52.6 ppm @ 3% O₂. It is unclear how the data in Section 6E support the listing.

A/N 396227: Food Oven, Direct Fired

A7

Although this unit received its permit to operate in February 2002, the proposed listing does not summarize any source test data demonstrating compliance with the listed BACT limits. I suggest that this listing be withdrawn until the missing data can be added.



5800 South Eastern Avenue • P.O. Box 910936 • Los Angeles, CA 90091-0936 • Telephone: (323) 728-9500 • Fax: (323) 724-2327
May 1, 2017

Mr. Al Baez
Program Supervisor, Best Available Control Technology
Science & Technology Advancement Office
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

Re: Proposed Updates to BACT Guidelines for Printing Operations

Dear Mr. Baez:

I am writing on behalf of the Printing Industries of California (PIC) on the Proposed Updates to the BACT Guidelines for the both major and minor flexographic and screen printing operations (April 4, 2017, meeting of the Scientific Review Committee).

By way of introduction, PIC is the government affairs office of the three commercial printing trade associations in the state: Visual Media Alliance (Northern California), Printing Industries Association of San Diego, and Printing Industries Association of Southern California. The combined membership of the three affiliates is over 1,800 companies.

Part B - LAER (Lowest Achievable Emission Rate), Major New or Modified Sources Flexographic Printing. The permit application of G3 Enterprises doesn't tell the whole story of major flexographic printing. G3 Enterprises is a unique flexographic printer. Looking at the company's website, G3 Enterprises produces product caps, corks, and other closures wine labels and packaging custom label printing, bottle etching, decorating, and folding cartons. Because of the nature of the products, ink formulations, and substrates on which these products are produced and printed—paper, metal, and metalized paper—the Volatile Organic Compound (VOC) content of the ink is likely higher than the flexographic limit in San Joaquin Valley Air Pollution Control District's Rule 4607 (Graphic Arts and Paper, Film, Foil and Fabric Coatings). Moreover, the quantity of ink and coating used per year far exceeds that of other flexographic printers. This company falls outside the parameters of the typical flexographic printing company.

We believe the VOC content of the ink and coating in SCAQMD Rule 1130 should remain the standard by which to judge new major source permit applications, unless the process would use an ink above the VOC content in the rule.

Part D – Minor Source BACT (Best Available Control Technology)

Printing (Graphic Arts) Flexographic or UV/EB or water-based inks/coatings, and use of super compliant cleaning solvents

Printing (Graphic Arts) Screen Printing and Drying or UV/EB or water-based inks/coatings, and use of super compliant cleaning solvents

B2

We appreciate staff's willingness to add UV/EB and water-based inks/coating to both the flexographic and screen printing listings. It's critical that both UV and water-based inks/coating are listed. Both ink processes are prevalent in flexographic and screen printing—as staff has seen firsthand in site visits to flexographic narrow web and screen printing facilities (and as demonstrated in the video we produced for Jantex. Here's a link to the screen printing ink video on YouTube (<https://www.youtube.com/watch?v=RMQaIpyb1A>).

We suggest that the proposed “use of super compliant cleaning solvents” in both listings be revised to read “use cleanup solvents that meet the standards in Rule 1171 (Solvent Cleaning Operations)” which, since 2009, has been set at 25 g/l (0.21 lbs/gal) or less. The inclusion of “super compliant” solvents actually increases the VOC content to 50 g/l (4.2 lbs/gal). Obviously, industry would support this option, but this would be considered “backsliding.”

Water-based and plastisol inks are the two most frequently used inks in fabric screen printing.

Water-based ink utilizes pigments in a suspension with water as the solvent. The evaporation of the water is necessary to cure the ink. This curing can take place either at room temperature or with the assist of a dryer depending upon the formulation of the water-based ink used and the speed or volume of production. Water-based ink produces a “soft hand,” that is, the ink absorbs into the fabric and feels “soft” to the touch. This makes it ideal for a wide variety of printing applications, including shirts, towels, sweatpants, towels, and even paper.

Plastisol is a thermoplastic ink that must be heated to a temperature high enough to cause the molecule resin and plasticizer to cross-link and thereby cure. Plastisol ink creates an ink film that can be felt with the hand, thus the term “heavy hand” to refer to such inks. The higher the opacity of the ink is, the heavier the hand. This heavy hand is a disadvantage at the consumer level since it sits on top of the fabric and the image feels stiff (thus the term “heavy hand”).

Printing (Graphic Arts) Lithographic or Offset, Heatset

B3

The proposed standard of 99 percent overall efficiency for add-on control devices is achievable in practice, as shown in the scattered plot slide #11 at the April 4th Scientific Review Committee meeting.

Printing (Graphic Arts) Flexographic, Heatset

B4

At the April 4th meeting, slide #12 proposes a 95 percent overall efficiency for add-on control as a proposed BACT limit for these devices. There is, however, no listing in the actual guideline. Does this mean that slide #12 is for information only, or is it an oversight on staff's part?

I have also included data sheets from Jantex Inks. The inks are typical of the water-based inks used in fabric screen printing. You received by email from Mark Brouillard, International Coatings, data sheets on the plastisol inks.

Sincerely,

A handwritten signature in black ink, appearing to read "Gerry Bonetto", with a long horizontal flourish extending to the right.

Gerry Bonetto, Ph.D.
Vice President
Government Affairs

Enclosures



May 2, 2017

Mr. Alfonso Baez
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, California 91765

Re: Best Available Control Technology Guidelines Proposal

Dear Al:

C1

RadTech appreciates the opportunity to serve on the Best Available Control Technology Guidelines Scientific Review Committee. Our technology is pollution prevention technology and should be recognized as an alternative to add-on control devices in the guidelines. Our association supports the staff's efforts to implement the board resolution which directed staff to work with industry and other stakeholders on assessing Ultraviolet/ Electron Beam (UV/EB) technology as an alternative to meet Best Available Control Technology and including determinations by other air districts in the guidelines.

C2

As mentioned during the advisory committee meeting, the VOC limit for cleanup solvents should be consistent with the requirements of Rule 1171 (Solvent Cleaning). We have received input from printers who are struggling to make the super-compliant cleanup solvents work and in many cases, have to resort to multiple cleaning steps. We suggest that the proposed language be modified to allow for the use of Rule 1171 compliant cleanup solvent.

We have provided additional cost information as per your request and look forward to a continued collaboration with the district on this matter.

Sincerely

Rita M. Loof
Director, Environmental Affairs

Cc: Wayne Nastri

Dated: May 2nd, 2017

Jason Aspell
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

Re: Aereon CEB (Certified Ultra Low Emission Burner) Emission

Dear Jason,

Thank you for the opportunity to provide an official response regarding the CEB (Certified Ultra Low Emission Burner) technology. Aereon has over 120 installed units worldwide across various applications including, but not limited to, wastewater, landfill, upstream oil & gas and loading terminals. Across all the applications our installed base has achieved less than our standard guaranteed emissions as identified below.

Nitrogen Oxides: < 0.018 lb/MMBtu
Carbon Monoxide: < 0.01 lb/MMBtu
Volatile Organic Compounds: <0.008 lb/MMBtu

Below is the list of emissions specific to SCAQMD jurisdiction.

CEB Model No.	Gas Combusted (HHV)	Owner/Operator	Location (CA)	Test Date	Test Loading	NOx	VOC	CO
350	Oil field produced gas (1052 Btu/scf)	Bridgemark Corp.	Anaheim	10/28/2014	Normal (low)	10.1 ppmv 0.023 lb/MMBtu 0.084 lb/hr	5.8 ppmv 0.0043 lb/MMBtu 0.016 lb/hr (as CH ₄)	3.2 ppmv 0.0043 lb/MMBtu 0.016 lb/hr
800-CA	Oil field produced gas (1359 Btu/scf)	Brietburn Operating LP	Santa Fe Springs	11/23/2016	Normal	3.41 ppmv 0.0058 lb/MMBtu 0.0707 lb/hr	11.38 ppmv 0.0050 lb/MMBtu 0.0615 lb/hr (as CH ₄)	0.00 ppmv 0.00 lb/MMBtu 0.00 lb/hr
800-CA	Oil field produced gas (975 Btu/scf)	Matrix Oil Corp.	Whittier	8/1/2016	Low	4.06 ppmv 0.005 lb/MMBtu 0.07 lb/hr	16.66 ppmv 0.0063 lb/MMBtu 0.09 lb/hr (as CH ₄)	0.00 ppmv 0.00 lb/MMBtu 0.00 lb/hr

	Oil field produced gas (536 Btu/scf)			8/1/2016	Mid	3.98 ppmv 0.005 lb/MMBtu 0.06 lb/hr	4.94 ppmv 0.0018 lb/MMBtu 0.02 lb/hr (as CH ₄)	0.00 ppmv 0.00 lb/MMBtu 0.00 lb/hr
	Oil field produced gas (845 Btu/scf)			8/1/2016	High (limited gas)	4.23 ppmv 0.005 lb/MMBtu 0.08 lb/hr	6.27 ppmv 0.0026 lb/MMBtu 0.04 lb/hr (as CH ₄)	0.00 ppmv 0.00 lb/MMBtu 0.00 lb/hr
	Oil field produced gas			2/25/2016	Low	10.0 ppmv 0.012 lb/MMBtu 0.29 lb/hr	Testing error	<0.1 ppmv <0.00011 lb/MMBtu <0.0025 lb/hr
	Oil field produced gas			2/25/2016	Normal	6.0 ppmv 0.0073 lb/MMBtu 0.23 lb/hr	Testing error	<0.1 ppmv <0.00011 lb/MMBtu <0.0034 lb/hr
	Oil field produced gas			2/24/2016	High	6.6 ppmv 0.0082 lb/MMBtu 0.23 lb/hr	Testing error	0.8 ppmv 0.0006 lb/MMBtu 0.016 lb/hr
800	Oil field produced gas (913 Btu/scf)	Linn Operating	Brea	3/25/2013 3/26/2013 4/19/2013	50%	5.73 ppmv 0.007 lb/MMBtu 0.07 lb/hr	5.04 ppmv 0.0036 lb/MMBtu 0.045 lb/hr (as CH ₄)	0.00 ppmv 0.00 lb/MMBtu 0.00 lb/hr
					75%	5.89 ppmv 0.007 lb/MMBtu 0.12 lb/hr	5.72 ppmv 0.0025 lb/MMBtu 0.042 lb/hr (as CH ₄)	0.00 ppmv 0.00 lb/MMBtu 0.00 lb/hr
					Max	8.37 ppmv 0.010 lb/MMBtu 0.20 lb/hr	3.93 ppmv 0.0056 lb/MMBtu 0.040 lb/hr (as CH ₄)	0.26 ppmv 0.00 lb/MMBtu 0.00 lb/hr
500	Oil field produced gas (1032 Btu/scf)	Warren E&P	Wilmington (WTU)	1/18/2012	Normal	6.91 ppmv 0.009 lb/MMBtu 0.12 lb/hr	1.88 ppmv 0.001 lb/MMBtu 0.01 lb/hr (as CH ₄)	3.2 ppmv 0.002 lb/MMBtu 0.03 lb/hr
500	Oil field produced gas (1032 Btu/scf)	Warren E&P	Wilmington (NWU)	7/11/2011	Normal	6.54 ppmv 0.008 lb/MMBtu 0.06 lb/hr	6.98 ppmv 0.0029 lb/MMBtu 0.02 lb/hr (as CH ₄)	9.9 ppmv 0.007 lb/MMBtu 0.052 lb/hr

350	Digester gas (601 Btu/scf)	EMWD Perris Valley RWRF	Perris	11/9/2011	Normal	8.62 ppmv 0.014 lb/MMBtu 0.12 lb/hr	3.5 ppmv 0.0022 lb/MMBtu 0.02 lb/hr (as CH ₄)	13.8 ppmv 0.011 lb/MMBtu 0.096 lb/hr
350	Digester gas (600 Btu/scf)	EMWD San Jacinto RWRF	San Jacinto	3/8/2007	Normal	2.40 ppmv 0.006 lb/MMBtu 0.03 lb/hr	13.89 ppmv 0.0072 lb/MMBtu 0.03 lb/hr (as CH ₄)	3.0 ppmv 0.003 lb/MMBtu 0.014 lb/hr

Below is a supplemental list of emissions specific to biogas/landfill gas applications across the United States.

CEB Model No.	Gas Combusted (HHV)	Owner/Operator	Location	Test Date	Test Loading	NOx	VOC	CO
350	Landfill gas	Waters Landfill Michigan	Michigan	10/17/2007	Normal	6.0 ppmv 0.010 lb/MMBtu 0.11 lb/hr	1.1 ppmv 0.0007 lb/MMBtu 0.007 lb/hr (as CH ₄)	1.5 ppmv 0.0015 lb/MMBtu 0.017 lb/h
350	Digester gas (600 Btu/scf)	Ocean County Utilities Agency	New Jersey	17/12/2009	Normal	4.4 ppmv 0.010 lb/MMBtu 0.069 lb/hr	3.0 ppmv 0.0019 lb/MMBtu 0.011 lb/hr (as CH ₄)	2.7 ppmv 0.003 lb/MMBtu 0.0198 lb/h

In light of the fact that our equipment/CEB technology has routinely exceeded our standard guarantees and the current posted SCAQMD BACT/LAER standards, Aereon requests for the CEB emission guarantees to be recognized as BACT/LAER for oil-field produced gas, digester and landfill gas applications.

Regards

Phanindra Kondagari
Phanindra Kondagari
Sr. Process Engineer
Aereon

Attachments (Emission Reports):

1. Waters Landfill, Michigan
2. Ocean County Utilities Agency, New Jersey



May 3, 2017

TO: SCAQMD BACT Team

RE: Proposed Minor Source BACT Guidelines

Good morning,

SGIA, the association representing facilities producing a variety of products through either the screen printing or digital imaging processes, and the associated supplier base, submits the following comments to the South Coast Air Quality Management District's proposed revisions to Best Available Control Technologies (BACT) Guidelines for Non-Major Polluting Facilities" published April 4, 2017. SGIA has a long established working relationship with the SCAQMD that began with the development of Rule 1130.1, Screen Printing, and most recently with the development of the solvent cleaning limits found in Rule 1171.

The screen and digital printing industry operating in the SCAQMD is diverse, both in terms of products produced and size of facility. The average size of a screen and/or digital printing facility is 15 employees, including sales and management. These facilities print a variety of products, including but not limited to signage of all types, textiles, the graphic overlays for electronic equipment such as microwave ovens, and the dashboards of cars. As one can begin to see, the variety of products requires the use of different substrates which in turn determine the inks used on the final product.

The current proposal for BACT for Non-Major Polluting Facilities would establish the VOC control standards as:

"Compliance with SCAQMD Rules 1130.1 and 1171; or UV/EB or water based inks and the use of super compliant cleaning solvents."

SGIA agrees with maintaining BACT for these sources as compliance with both Rule 1130.1 and 1171. However, we disagree with the requirement to establish the use of UV/EB or water based inks and the use of super compliant cleaning materials as a BACT requirement. The establishment of this as a requirement is redundant and unnecessary.

E1

E1

The District's Rule 1130.1 establishes the limit of 400 grams per liter, less water and exempt solvents for virtually all screen printing applications. This VOC content figure was developed based on the test methods mandated by the District and allows the use of both UV/EB and UV LED technologies, as well as water based ink systems for both graphic and garment applications. Additionally, the limit establishes allows the use of plastisol ink systems for the textile industry.

The current BACT requirements also indicate and set Rule 1171 as the guideline for solvent cleaning activities. During the development of this regulation, SGIA participated in several District funded research initiatives regarding the appropriate VOC content limits for solvent cleaning activities associated with the screen printing process. The limit of 100 grams of VOC per liter was established for all ink systems, including UV/EB, used within the screen printing industry.

The imposition of the additional BACT guideline of "or UV/EB or water based inks and use of super compliant cleaning solvents" is duplicative of the requirements stated in both Rule 1130.1 and Rule 1171. We contend that with the reduction in VOC content limits for Extreme Performance Inks and Coatings found in Rule 1130.1 to 400 grams of VOC per liter, as well as the exhaustive research conducted by the District to establish the limit of 100 grams per liter for Rule 1171, that the additive statement proposed is not needed. We recommend that this statement be removed from the guidelines for the category of "Screen Printing and Drying."

Thank you for the opportunity to participate in this important rulemaking. If you have any questions regarding our comments, please do not hesitate to contact me directly at 703-359-1313 or by email at marcik@sgia.org.

Sincerely,

A handwritten signature in black ink that reads "Marcia Y. Kinter". The signature is written in a cursive, flowing style.

Marcia Y. Kinter
Vice President – Government & Business Information



May 3, 2017

Al Baez, BACT Program Supervisor
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, California 91765

Subject: Proposed Updates to the BACT Guidelines dated April 4, 2017

Dear Mr. Baez:

The Eastern Municipal Water District (EMWD) appreciates this opportunity to provide comments on the proposed updates to the Best Available Control Technology Guidelines that were presented at the Scientific Review Committee Meeting on April 4, 2017. EMWD values the effort by South Coast AQMD staff to update the guidelines and make the BACT resources available to owners and operators more “user friendly”, however EMWD has concerns related to the proposed biogas flare listings. EMWD operates many stationary sources within the South Coast Air Basin to provide potable water, water reclamation and recycled water services to over 700,000 people in a service area of 555 square miles. Effective, robust and reliable control technologies for the equipment we utilize for our services are vital to our operations and critical to ensure we maintain safe, dependable services to our customers.

The purpose of this letter is to expand upon verbal comments provided at the April meeting. Our comments and recommendations regarding the proposed updates are outlined below.

Part B, Section 1 - SCAQMD LAER:

This section includes several new proposed listings for biogas flares, one of which is a digester gas flare at EMWD’s Perris Valley Regional Water Reclamation Facility (PVRWRF). Overall we are concerned that this technology is not resilient enough to handle intermittent operation common to digester gas flares in which there is frequent on/off cycling. This operation is necessary to alleviate pressures in the digester gas handling system at our facility to safely combust the excess digester gas. These concerns are based on our experience operating this flare and the multiple

F1

David J. Slawson, President Ronald W. Sullivan, Vice President Joseph J. Kuebler, CPA, Treasurer Philip E. Paule Randy A. Record
Board of Directors

unfortunate corrective maintenance events that have occurred with this equipment. More specifically, since installation, EMWD staff have reported approximately 30 breakdown events with the Bekeart CEB flare at our PVRWRF, which have impacted the ability for the flare to operate. Many of the issues we've experienced with this flare have involved difficulty obtaining adequate OEM supplies, and limited vendor response to emergencies; consequently EMWD staff have to internally troubleshoot and identify solutions to solve equipment problems. Many of these events have resulted in digester gas venting and excess emission deviation reporting under Title V. Intermittent flare operation as a secondary use for digester gas is common in the industry of Publicly Owned Treatment Works. Consequently, equipment reliability and robustness is critical to the function of the flares at our facilities to avoid venting.

We request that the breakdown history and level of corrective maintenance this flare has required since installation be considered as part of the "Reliability" standard outlined in the BACT guidelines criteria for BACT/LAER determinations. In addition, it may be beneficial to evaluate flares at wastewater treatment plants differently depending on their use by establishing subcategories, for example a back-up flare versus a prime use flare.

In addition to the above, we also have a few minor descriptive comments in this Section 1 that we would like to include, which are:

Landfill Gas Flare, A/N 441442 Listing:

- Replace the word "digester gas" with "landfill gas" in the Description (1.C.)

Digester Gas Flare, A/N 513835 Listing

- Note "Intermittent" in the Operating Schedule (1.J.)
- Correct the VOC results listed in the source test performance data (6.E.) to 0.58 ppmv VOC (as hexane) or 0.70 ppm VOC (as hexane) @ 3% O₂ rather than the 0.02 ppm VOC (as hexane) currently listed.

Part B, Section 3 - Other Technologies

We appreciate that staff have added an "Other Technologies" section, but we would like to request that staff consider adding an introduction to this section to clarify that these technologies are not BACT.

Al Baez
May 3, 2017
Page 3

Thank you in advance for considering our comments above and for the opportunity to comment. If you have any questions, please feel free to contact Alison Torres at (951) 928-3777 extension 6345 or at torresa@emwd.org

Sincerely,

A handwritten signature in black ink, appearing to read 'Alfred', followed by a stylized flourish or second signature.

Alfred Javier
Manager of Environmental and Regulatory Compliance

ARJ/AT:tlg

By e-mail to abaez@aqmd.gov

c: Records Management, EMWD
Jason Aspell, AQMD

Jason Aspell

From: Rothbart, David <DRothbart@lacsds.org>
Sent: Thursday, May 4, 2017 1:54 PM
To: Al Baez
Cc: Jason Aspell; Ahn, Terry; Alison Torres
Subject: BACT Comments

Hi Al,

I appreciate your efforts to publish BACT determinations, which will help stakeholders better understand applicable BACT standards. Per your request, the following are my comments on the draft BACT determinations discussed at the last BACT SRC:

- G1 • Considering the BACT Guidance contains determinations, including the proposed section describing technologies that may become BACT will be confusing. While this could be helpful as a separate listing on SCAQMD's website, these potential determinations should be excluded from the BACT Guidance document.
- G2 • Regarding biogas flares, it is recommended that separate BACT categories be maintained (i.e., landfill vs. wastewater and backup vs. prime). These are very different situations that dictate different technologies rather than one blanket BACT determination. For example, landfill biogas quality and quantity decline after site closure and eventually flares cannot effectively combust this waste gas. Another unique issue is prime vs. standby flares, where backup flares must work reliably in response to process changes or equipment breakdowns. Greater complexity in the technology needed for BACT/LAER tends to undermine the reliability of such standby equipment. To minimize the potential venting of biogas, highly reliable technologies should be used rather than technologies more suitable for prime applications. Moreover, standby flares are not a significant source of emissions, which should also support such a separate classification.
- G3 • BACT determinations contain inconsistent units and averaging times (e.g., ppmv, mmBtu/hr, lb/hr, lb/day, etc.). It is recommended that consistent units be provided to help facility operators and owners understand the potential limits associated with a determination.

Please let me know if you have any questions.

Thanks again,

D

David

DAVID L. ROTHBART, P.E., BCEE
 SCAP Air Quality Committee Chair
 Supervising Engineer | Air Quality Engineering
SANITATION DISTRICTS OF LOS ANGELES COUNTY | 1955 Workman Mill Road, Whittier, CA 90601
 Phone: 562.908.4288 x2412 | Cell: 714.878.9655 | FAX: 562.692.9690
 Converting Waste Into Resources | www.LACSD.org

From: Al Baez [mailto:abaez@aqmd.gov]
Sent: Friday, April 21, 2017 1:44 PM
To: beckham.lisa@epa.gov; Dave Mehl; steve moore; rizaldo.aldas@energy.ca.gov; Nicholas Maiden; Carol Cauthen; McGivney, Daniel; Rothbart, David; Giese, Jodean; Terry Ahn; Bridget McCann; Bill LaMarr; radtech.org, rita; jyorke yorkeengr.com; Karl Lany; Anoosheh M. Oskouian; Gary Rubenstein; Wayne Miller; Vince McDonell

Cc: Jason Aspell

Subject: NOTICE of BACT SRC meeting scheduled for Wednesday, May 24, 2017, 2pm - 4pm at SCAQMD

Dear BACT SRC members,

Thank you for your input to the Doodle Poll. The next BACT SRC meeting has been scheduled for **Wednesday, May 24, 2017 from 2:00pm – 4:00pm at SCAQMD Headquarters in Diamond Bar, CA in room GB**. Further notifications will follow.

Once again as a reminder, comments to the proposed BACT updates are due by May 4, 2017 at 5 p.m. (PST). The Agenda, Presentation and Handouts of the 4/4/17 BACT SRC meeting are available here <http://www.aqmd.gov/home/permits/bact>

-Al

Alfonso Baez
Program Supervisor, Best Available Control Technology
Science & Technology Advancement Office
abaez@aqmd.gov
909-396-2516
909-396-3252 (Fax)





Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

6075 Kimball Avenue • Chino, CA 91708
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TEL (909) 993-1600 • FAX (909) 993-1985
www.ieua.org

Comment Letter H

May 4, 2017

Al Baez
BACT Program Supervisor
South Coast Air Quality Management District
21865 East Copley Drive
Diamond Bar, California 91765

Subject: Inland Empire Utilities Agency, Zink Ultra Low Emission Flare (A/N: 448345)
Proposed Update to BACT/LAER Guidelines

Dear Mr. Baez,

H1 Inland Empire Utilities Agency (IEUA) appreciates your department's continued efforts to improve the Best Available Control Technology (BACT) Guidelines and would like to provide comments on the recently proposed determination updates. To provide a brief background, IEUA currently oversees the operation of a Zink Ultra Low Emission (ZULE) flare at its Regional Plant No. 5 Solids Handling Facility (RP-5 SHF). IEUA selected and installed the ZULE flare in 2007 in response to Lowest Achievable Emission Rate (LAER) requirements imposed by the South Coast Air Quality Management District (SCAQMD). The ZULE flare was selected to replace an existing BACT flare; however, immediately following construction and start-up of the ZULE flare, IEUA had faced constant mechanical and control system reliability issues. By the recommendation of John Zink Company service representatives in 2008, IEUA began operating the flare in a limited-capacity state, using just one of three available burners, and currently continues to operate as such.

H2 During the April 4, 2017, BACT Scientific Review Committee (SRC) meeting, IEUA's ZULE flare was proposed as a potential LAER determination. While IEUA has continued to maintain compliance with the ZULE flare, we do not believe the operational data gathered thus far reliably encompasses the proposed BACT/LAER determination basis of, "Achieved in Practice/New Technology" – SCAQMD BACT guidelines state that in order for new technologies to be considered achieved in practice, certain reliability criteria must be met. Specifically, the control technology, or flare in this case, must have operated reliably "at a minimum of 50% design capacity". As of first quarter 2017, due to the digester gas production and process limitations, the flare intermittently operated at an approximate maximum flow rate of 300 scfm, which is only 30% of the maximum design capacity for this unit (900 scfm). This is consistent with the SCAQMD source test engineers' evaluation of the 2008 and 2016 flare source test reports (S/T IDs: PR08335 and R16145A, respectively); under the Representativeness of Data & Process

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General Manager

section, the permit engineers noted the limited operating capacity may not represent normal operation.

It should also be noted that several sections of the proposed determination contain inaccurate information:

1. EQUIPMENT INFORMATION

Section G: Burner Information – Only one burner is usable due to design constraints

Section J: Operating Schedule – Only used intermittently as a back-up control device and not as full-time primary control

2. COMPANY INFORMATION

Section B: FAC ID – 128863 refers to duplicate ID, actual permitted Facility ID – 147371

3. PERMIT INFORMATION

Section F: Operational Time – RP-5 SHF did not operate between February 2009 through December 2011

4. EMISSION INFORMATION

Section A: Emission Limits & Averaging Times – SOx, CO, and PM10 limits do not match limits listed on permit (A/N 448345)

Section C: Basis of BACT/LAER Determination – Achieved in practice criteria not currently met

With the above referenced factors in mind, IEUA does not recommend the use of our RP-5 SHF ZULE flare as a LAER determination, since operation under full capacity has not been well documented.

Thank you for your time and consideration in reviewing our comments. Please feel free to contact me at (909) 993-1646 should you have any questions or need additional information.

Sincerely,



Sylvie Lee, P.E.
Manager of Planning and Environmental Resources

cc: Jason Aspell, AQMD
Pietro Cambiaso, IEUA
Eddie Lin, IEUA
Tiffany Tran, IEUA



May 4, 2017

Mr. Alfonso Baez
Program Supervisor, Best Available Control Technology
Science & Technology Advancement Office
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, California 91765

Subject: Proposed BACT Guidelines

Dear Mr. Baez:

Montrose Air Quality Services appreciates the opportunity to submit comments regarding the proposed BACT guidelines emergency engines that were presented during the recent BACT Scientific Review Committee meeting.

SCAQMD Proposes to incorporate a recent installation of a diesel engine with integrated selective catalytic reduction (SCR) technology in the Section B, Part III BACT Guidelines as an example of emerging technology that may be appropriate for major source applications. The reference to SCR in emergency engine applications raises the need for additional scrutiny and debate of the following concepts.

I1

The Appropriate Use of Section III

Section III of the guidelines is rarely updated or referenced and users may not be aware of the distinction between emerging technologies in Part III of the guidelines, and the more concrete listings of LAER determinations in Parts I and II of the guidelines. SCAQMD should take extra care to clarify, in both the guidance document and Staff Report, that the Part III listings are not to be automatically interpreted as LAER, but are instead simply references to technologies that someday may be construed as BACT / LAER.

*Attributes of Emergency Engines that
Warrant New Approaches to Evaluating BACT*

I2

Traditionally, new technologies would be deemed LAER or achieved in practice BACT after only a brief period of commercial operation. Also, SCAQMD rarely considers cost effectiveness when making BACT or LAER determinations. However, emergency engines are unique due to their limited operating schedules. Even if an engine were operated for the entire allowance specified by SCAQMD regulations

(50 hours of testing and 200 total operating hours), it would take years to accumulate adequate operating hours to assess the longevity and overall effectiveness of the emission control technology. In typical applications where actual testing and emergency operations are a fraction of what SCAQMD would allow, the ability to understand long term implications is even further inhibited.

I2

On several occasions, SCAQMD has recognized the challenges of demonstrating emergency engine emission control technologies due to their restricted operating schedules. It seems that Section 6.I of the Part III BACT guideline entry should be used to discuss these limitations and also to discuss the nuances of emergency engine operations that will significantly affect system viability. Those nuances include varying industry standards for testing and maintenance operations, impacts of system aging, long term DEF storage and Tier 4F inducement provisions. SCAQMD should also commit to a long-term review and public disclosure of operating and maintenance records surrounding the recent SCR installation before transferring the entry from Part III to Part II of the BACT guidelines. Recognition and disclosure of these nuances is critical because BACT is ultimately determined on a case by case basis and so many people, both inside and outside of SCAQMD, rely upon the guidelines to make purchasing and permitting decisions.

I3

Additionally, although cost effectiveness demonstrations are often ignored when discussing LAER, the high cost effectiveness values (dollars / ton of emissions reduced) of SCR in emergency engine applications speaks to the overall viability of the technology and the reader should be advised of that consideration. Under current regulations and BACT policy, emergency applications are served by Tier 2 / 3 engine technology that produces a small fraction of the emissions that would have been expected only a few years ago. In this case cost effectiveness estimates should be disclosed in the Part III guideline and to the SCAQMD Governing Board as the guidelines are being proposed.

I look forward to continuing our discussion regarding these guideline entries during the May meeting and am also happy to discuss in advance of the meeting if you desire.

Sincerely,
Montrose Air Quality Services



Karl Lany
Vice President, Regulatory Compliance Services

N: BACT Comments May 4 2017

RESPONSE TO COMMENTS FOR PROPOSED AMENDMENTS OF THE BACT GUIDELINES

A public meeting was held on April 4, 2017 with the BACT Scientific Review Committee to present and discuss the proposed amendments to the BACT Guidelines. The following are staff responses to comments and questions from letters and e-mails received, as well as responses to comments made at the BACT SRC meeting:

BACT SRC Meeting Comments

Comment SRC1:

Request to have staff to research how small of a flare the proposal is addressing for biogas and landfill flares. (ES Engineering– BACT SRC member)

Response SRC1:

BACT Staff acknowledges the comment regarding the applicability of the flares to other processes that might not be of similar size. It was discussed in the BACT SRC meeting in a non-related discussion that LAER is determined on a case by case basis and the listings provide a strong presumption of what LAER will be. Permitting staff will evaluate the appropriateness of applying LAER to other processes during the permit evaluation process. BACT Staff is evaluating the permitted flare and is providing as much relevant information in the Determination form to assist permitting with future evaluations. In discussions with a flare manufacturer, there are design considerations and modifications to the flare that can be made to address low flow issues, such as removing burners on the John Zink ZULE flare. BACT Staff will continue to research the topic to list examples of smaller flares and encourages the public to provide information as well. It should be noted that the proposed listings are in addition to flares already listed for similar processes in Part B, Section 2 as well as the EPA Clearinghouse that are achieving the same NO_x and CO emission concentrations.

As part of the public comment, staff received a source test report for a Bekaert CEB 350 flare at OCUA in West Creek, New Jersey that demonstrated similar emission rates when firing digester gas at 182-184 scfm. In addition, the three flare proposals were source tested at 144 dscfm (digester gas), 246 dscfm (digester gas) and 2367 dscfm (landfill gas). Lower flow rates than these source tested values will need to be evaluated on a case by case by Permitting.

Regarding the specific lower flow siloxane-rich streams that may be created from the biogas clean-up process, the EPA RACT/BACT Clearinghouse currently lists a siloxane destruction flare that has achieved 0.06 lb NO_x/MMBtu when fired on digester gas. The flare is rated at 6.14 MMBtu/hr.

Comment SRC2:

Request to have staff specify if the LAER proposal for the boiler is for a new or retrofitted boiler. (ES Engineering– BACT SRC member)

Response SRC2:

The permit evaluation indicates that the boiler is a new construction. This will be indicated on the Determination Form in Box 1.L. “Equipment Information Comments.”

Comment SRC3:

Request to have staff preface Part B, Section 3 listings with a statement to declare that the listings are not BACT determinations to memorialize the discussion. (LA Co. Sanitation District – BACT SRC member)

Response SRC3:

Staff agrees with the comment and will add a statement to Part B, Section 3 on the BACT webpage stating “These are emerging technologies which have been achieved in practice with an air quality permit however do not yet qualify as LAER.” In addition, to prevent confusion when referencing these individual Part B, Section 3 listings, a similar statement will be added to the beginning of each form. It should be noted that any Part B, Section 3 listings may potentially be proposed as BACT/LAER after staff determines that they meet the proper criteria and are presented again to the BACT SRC.

Comment SRC4:

BACT SRC Member requested a focused discussion regarding compliance demonstration procedures for certified engines. He understood from the listing that the engine was a certified engine, not a retrofit, so the facility demonstrated compliance through the certification. (Sierra Research – BACT SRC member)

Response SRC4:

Staff agrees with the response that compliance is demonstrated through EPA Certification procedures for the Part B, Section 3 proposed addition of the I.C. Engine, Stationary, Emergency, Electrical Generator. This is similar to the SCAQMD practice for permitting portable engines. Staff would like to note that the addition of this equipment to Part B, Section 3 does not qualify as a BACT/LAER listing (see Response SRC3). Staff

commits to continuing the discussion regarding I.C. Engine compliance demonstrations and maintaining a transparent process for each BACT/LAER proposal. In addition, staff will be working with SCAQMD Permitting to ensure consistency with this issue.

Comment SRC5:

BACT SRC Member noted that the I.C. Engine, Stationary, Non-Emergency, Electrical Generators BACT Determination listed an averaging time of 15 minutes for compliance and she did not know how that would be possible. (SoCal Gas – BACT SRC member)

Response SRC5:

There are multiple engine listings in Part B and Part D which will need to be discussed separately due to different requirements. In Part B, Section 1, the “I.C. Engine, Stationary, Non-Emergency, Electrical Generators,” proposal demonstrated compliance with SCAQMD Rule 1110.2 through the source test requirements of (f)(1)(C)(ii), which requires testing at multiple loads and two different averaging times (30 and 15 minutes). To clarify the averaging time for this listing, “Per Rule 1110.2 requirements” will replace “15 minutes” in Box 4.A. This change will also be made for all of the I.C. Engine forms under Part D. In addition, the 15% O₂ correction will be removed from the forms since it is not applicable to the mass emissions limit. It should be noted that Part D for “I.C. Engine, Stationary, Non-Emergency, Electrical Generators,” is only being updated for rule compliance, and the forms are examples of Rule 1110.2 compliance and are not BACT Determinations.

The Part B, Section 3 form for the I.C. Engine, which is also not a BACT/LAER determination, demonstrated compliance through the EPA Certification requirements. Since the proposal of 15 minutes averaging time, as well as 15% O₂ correction, is not representative for these procedures, all averaging and correction entries will be removed from Box 4.A. Box 4.D. will still indicate that EPA Certification procedures were used to demonstrate compliance.

Comment SRC6:

A BACT SRC Member asked if the proposed listing for Food Ovens vented to a Catalytic Oxidizer would apply only to those processes operating at or above the proposed Cat Ox temperature of 600°F.

Response SRC6:

The current SCAQMD Rule 1153 requirement to add air pollution control to bakery ovens is not dependent on process temperature. All of the facilities that staff visited that produced yeast leavened products that required control of the resulting VOC emissions had a temperature below 600°F. Staff recognizes that the heating of the incoming oven

exhaust stream will result in additional costs and emissions, and will be accounting for this in the cost effectiveness evaluation for MSBACT, and taking it into consideration for the LAER proposal.

Comment SRC7:

BACT SRC Member asked if operational characteristics of the proposed flares need to be included or if it could be limited to emissions. (LA Co. Sanitation District – BACT SRC member)

Response SRC7:

Staff acknowledges the comment and will switch the current location of the operational parameters from Box 4.B. “Other BACT Requirements,” to Box 4.D. “Emission Information Comments.” This information may be used on a case by case basis by Permitting for developing permit conditions, but the BACT requirement will focus on the emissions presented in Boxes 4.A. and 4.B.

Comment SRC8:

BACT SRC Member asked if staff could clarify what inks the facilities were using compared to the Rule 1130 limits, for the BACT Determinations that were proposing control equipment. (LA Co. Sanitation District – BACT SRC member)

Response SRC8:

The BACT SRC member is referencing the proposed Part D BACT Determinations for Printing Operations for add-on control equipment for flexographic and lithographic printing presses. Both of the facilities for the two proposals comply with the VOC requirements of SCAQMD Rule 1130 under the provisions of 1130(c)(5). The lithographic operation uses inks that have a coating VOC content greater than 400 g VOC/L, and the flexographic printer uses inks that range from 290 g VOC/L up to 500 g VOC/L.

Response to Comment Letter A (BACT SRC Member Gary Rubenstein)

Response A1:

Staff has corrected all inconsistent references to digester and landfill gases for all three flare proposals. Box 1.I. has been updated to identify the fuel as a pilot fuel for all three proposals. Also, for all three proposals, a statement in Box 4.B. has been added

specifying that the BACT limit applies when the unit is fired on digester or landfill gas, whichever is applicable.

Response A2:

Staff has added a statement in Box 4.D. that the permit does not have a minimum destruction efficiency or residence time.

Response A3:

Staff agrees and has included clarification language to Flare – Landfill Gas, Active Solid Waste Landfill, Non-Hazardous Waste BACT determination form.

Response A4:

Staff has included clarification language to Fuel Cell – Electricity Generator Part B, Section 3 form. Although concentrations of CO and NO_x were below the lower quantifiable limit and had to be corrected upwards (which is standard practice), the equipment still demonstrated compliance with permit conditions after this correction. District Methods 100.1 and 25.3 were followed and the fuel cell was operated in steady state condition.

Response A5:

Staff agrees and has included clarification language to Food Oven – Add-on Control for Bakery Oven with Yeast Leavened Products ≥ 30 lb VOC/day with Catalytic Oxidizer BACT determination form. The language in Part D has been changed to “Add-on Control for Bakery Oven processing yeast leavened products with emissions ≥ 30 lb VOC/day.” The proposed threshold for requiring control equipment has been increased from 25 to 30 lb VOC/day due to the results of the Cost Effectiveness Analysis.

Response A6:

Staff has corrected the proposed BACT NO_x limit to 60 ppm in Box 4.A in the BACT Determination Form. The source tested value of 52.6 ppm NO_x @ 3% O₂ supports the proposal of 60 ppm. The 60 ppm limit is reflected in the Part D Food Oven proposal for Ribbon burners operating at greater than 500°F.

Response A7:

At the April 4, 2017 BACT SRC meeting, staff presented two potential Direct Fired Food Oven Part D proposals for Laguna Cookie (15 ppm NO_x) and JSL Foods (30 ppm). The comment is referring to the Laguna Cookie proposed Determination form, which did not have data. The lack of supporting data is the reason that staff presented the Laguna Cookie emission rates as “TBD” in the Part D proposal. Staff agrees and will only be moving forward with the JSL Foods listing which is supported with source test data.

Response to Comment Letter B (Gerry Bonetto, PIASC)

Response B1:

After further review staff believes that the limits under the proposed BACT determination in Part B, Section 2 for Printing (Graphic Arts)- Flexographic may allow higher VOC content ink than in Rule 1130. Therefore, at this time staff will not be moving forward with this proposed BACT determination. Staff acknowledges comments by PIASC.

Response B2:

Staff agrees and for consistency has included clarification language to both proposed BACT determinations in Part D for Printing (Graphic Arts)- Flexographic, Heatset and Screen Printing and Drying by replacing “use of super compliant cleaning solvents” with use of cleaning solvents that meet the standards in Rule 1171- Solvent Cleaning Operations.

Response B3:

Staff agrees that 99 percent overall efficiency for add-on control devices is achievable in practice for Printing (Graphic Arts) Lithographic or Offset, Heatset as was presented in slide #11 plot presentation at April 4, 2017 BACT SRC meeting.

Response B4:

The achieved in practice 95 percent overall efficiency for add-on control devices for Printing (Graphic Arts) Flexographic, Heatset that was presented in slide #12 of the presentation at the April 4, 2017 BACT SRC meeting supports the proposed add-on control BACT determination listing that was provided in the handouts for Part D, Printing (Graphic Arts) Flexographic.

Response to Comment Letter C (BACT SRC Member Rita Loof)

Response C1:

Staff agrees and has recognized UV/EB ink and coating technology in past BACT determinations both in Part B and D (major and non-major sources) of the BACT Guidelines. Now staff is also proposing the inclusion of compliant UV/EB and water-

based inks/coatings as an alternative method of BACT compliance for Printing (Graphic Arts)- Flexographic and Screen Printing and Drying operations.

Response C2:

Staff agrees and for consistency is proposing clarification language to both proposed BACT determinations in Part D for Printing (Graphic Arts)- Flexographic, Heatset and Screen Printing and Drying by replacing “use of super compliant cleaning solvents” with use of cleaning solvents that meet the standards in Rule 1171- Solvent Cleaning Operations.

Response to Comment Letter D (Phanindra Kondagari, Aereon)

Response D1:

Staff appreciates and has reviewed the data provided by Aereon in support of the proposed BACT determination for flares for landfill and digester gas operations. Staff recognizes that the emission rates for the technology have been achieved in practice at multiple facilities for oil-field produced gas, and digester and landfill gas applications.

Response to Comment Letter E (Marcia Kinter, SGIA)

Response E1:

Staff agrees and for consistency is proposing clarification language to both proposed BACT determinations in Part D for Printing (Graphic Arts)- Flexographic, Heatset and Screen Printing and Drying by replacing “use of super compliant cleaning solvents” with use of cleaning solvents that meet the standards in Rule 1171- Solvent Cleaning Operations.

Response to Comment Letter F (Alfred Javier, EMWD)

Response F1:

Staff has discussed the reliability and breakdown history with EMWD staff during site visits. Staff acknowledges that periodic breakdowns can occur with equipment but understands that thermocouple, igniter and exhaust stack complications occurred in the early stages of operation of the equipment. Based on information from EMWD, staff has

monitored the reported breakdowns for this unit. Staff has observed that no reported breakdowns have occurred since July 26, 2016 (EMWD notified staff of a non-reportable breakdown in April 2017). This accounts for nine months of reliable operation of the flare in its intermittent operation state. This is greater than the 6 months of reliable operation that is required to establish achieved in practice. Also, the equipment must be operated “in a manner that is typical of the equipment in order to provide an expectation of continued reliability of the control technology,” and as stated in the response letter, intermittent operation as a secondary use for digester gas is common in the industry. Staff will be clarifying in the listing that intermittent is an operational characteristic of this flare, but notes that the permit does not limit the flare to this type of operation. Staff has already included that it is for secondary use in Box 1.D. and incinerates excess digester gas that is not used by the fuel cells or boilers.

Response F2:

Staff has corrected the listing and inserted digester gas in Box 1.C.

Response F3:

Staff will include an intermittent operation description under Box 1.L. “Equipment Information Comments.”

Staff agrees and has made the correction to the VOC emission concentration.

Response F4:

Staff agrees and will be adding language to clarify that the Part B, Section 3 listings are not currently considered BACT/LAER (see Response SRC3). In addition, the statement will be added to each of the proposed forms for the equipment, so the form is not misinterpreted as an approved BACT Determination.

Response to Comment Letter G (BACT SRC Member David Rothbart)

Response G1:

Staff wishes to clarify that the section, Part B, Section 3, already exists and has been utilized in the past and is not being proposed as a new section. Staff is proposing to add two pieces of equipment to the section. Although the BACT webpage currently indicates that equipment listed in Part B, Section 3 is not considered BACT or LAER, in response to concerns raised by the BACT SRC, additional language will be added to the webpage

and each form to ensure that the equipment is not misinterpreted as a BACT/LAER determination (see Response SRC3).

Based on previous meetings with the BACT SRC, staff received input that in past instances SCAQMD Permitting staff would impose LAER that had not been listed in the BACT Guidelines or properly evaluated. Staff feels it is important to utilize this section to communicate to SCAQMD Permitting staff, the public, and other agencies, that although the advanced technology is in use and has been permitted by SCAQMD, its effectiveness and reliability has not been fully vetted by the BACT staff. At such a time that staff obtains additional information and makes the decision to propose any equipment under Part B, Section 3 as BACT/LAER, staff will present the information before the BACT SRC and the Governing Board, and it will be available for public comment. At this time, staff feels it is appropriate to add the proposed listings for the Fuel Cell and the Stationary, Emergency, I.C. Engine under Part B, Section 3, because staff does not currently recognize this technology as BACT/LAER.

Response G2

Staff acknowledges the comment and agrees to categorize the proposed listings as permitted. If the operation is different than that reflected on the permit, staff agrees to include such information in Box 1.L. "Equipment Information Comments." It should be noted that if a flare is operated as a back-up flare, but has not been evaluated and permitted as such, then it is still capable of operating as a primary flare and can result in significant emissions. This scenario occurred recently at an oil field operation in which a secondary flare became a primary flare, when the primary means of processing the gas became unavailable for an extended period. Regardless of significance of source, BACT will continue to be triggered when emissions are greater than or equal to 1.0 lb/day.

Response G3

Staff acknowledges the comment and has attempted to maintain consistency in the units for emission limits where possible. Many of the units listed in the comment are included in the proposals because they are listed on the permits and are enforceable limits. Staff obtained input from the facilities during site visits and has attempted to maintain the units in lb/MMBtu where possible based on the input received.

Response to Comment Letter H (Sylvie Lee, IEUA)

Response H1:

Staff acknowledges the comment and was aware of the start-up issues in 2008 from the documentation in the permit evaluation. Staff contacted the manufacturer regarding this issue and they stated that removal of burners was their approach to handle lower biogas flows than the designed equipment capacity. Staff has added the source tested digester flow rate in 2008 that was 279 scfm to the proposal, which coincides to the reported amount in the comment. These flows are also consistent with the Inspection Report in 2014 (217 scfm). The source test demonstrated compliance with the proposed BACT limits. Staff has also researched reported breakdowns for the flare, and SCAQMD had only been notified of two reported breakdowns in the past year, and 7 breakdowns in the past three years

Response H2:

The comment only states one of the options to demonstrate reliability for Achieved in Practice LAER. The full section states:

“During this period, the basic and/or control equipment must have operated: 1) at a minimum of 50% design capacity; or 2) in a manner that is typical of the equipment in order to provide an expectation of continued reliability of the control technology.”

The flare is operating in such a manner that is typical of the flow rates that the system provides and has been source tested to verify the emissions at these same flow rates (see Response H1), and the source test was performed under conditions were have now shown to be its typical operation.. Staff feels that the system has demonstrated to meet the Achieved in Practice LAER reliability requirements.

Response H3:

1. Staff has added to Box 1.L. that the system currently operates on one burner. However, staff acknowledges that the system is still permitted for multiple burners.
2. Staff agrees and has corrected the Facility ID.
3. Staff has updated the operational time to “>6 months.”
4. Staff has compared the March 14, 2017 version of Application Number 448345 (Permit No. G28957) and Permit Conditions 13 and 16 correspond with the emission limits on the proposed BACT Determination:

13. Emissions resulting from the flaring operation shall not exceed the following:	
Pollutant	lbs per day
CO	46.6
NOx	19.4
PM10	14.2
ROG	5.5
SOx	1.40
[Rule 1303(a)(1)-BACT/LAER, Rule 1303(b)(1), 1303(b)(2)-Modeling & Offset]	

16. This equipment is subject to the applicable requirements of the following rules and regulations:	
CO:	2,000 ppmv, Rule 407
CO:	0.06 lbs/mmBTU, Rule 1303-BACT/LAER
NOx:	0.025 lbs/mmBTU, Rule 1303-BACT/LAER
PM:	Rule 404, see Appendix B for emission limits
PM:	0.1 grain/scf, Rule 409

Response H4:

Staff agrees that the equipment has not operated at full capacity, however Achieved in Practice LAER may be demonstrated by operating “in a manner that is typical of the equipment in order to provide an expectation of continued reliability of the control technology.” Staff feels that this is supported by consistent operation with limited reported breakdowns with flow rates documented from 217-300 scfm for a period greater than six months. Staff has noted the operational conditions on the BACT Determination form.

Response to Comment Letter I (BACT SRC Member Karl Lany)

Response I1:

Staff agrees and is proposing clarification language in both the BACT Guidelines Part B, Section 3 title description and on all Part B, Section 3 forms. The proposed language will state “these are emerging technologies which have been achieved in practice with an air quality permit, however do not yet qualify as LAER”.

Response I2:

In accordance with the BACT Guidelines, an emission limit or control technology may be considered achieved in practice LAER for a category or class of source if it exists in any of the following regulatory documents or programs:

- SCAQMD BACT Guidelines

- CAPCOA BACT Clearinghouse
- US EPA RACT/BACT/LAER Clearinghouse
- Other districts' and states' BACT Guidelines
- BACT/LAER requirements in permits issued by SCAQMD or other agencies

In addition to the above means of being determined as achieved in practice LAER, a control technology or emission limit will be evaluated for commercial availability, reliability and effectiveness. Therefore, staff agrees and will include a description of operational limitations and maintenance history prior to advancing and proposing a potential LAER determination from Part B, Section 3 to Section 1 or 2.

Response I3:

USEPA guidelines do not allow for routine consideration of the cost of control in LAER determinations. However, USEPA guidance on economic feasibility of LAER states that costs should be considered only to the degree that they reflect unusual circumstances which, in some manner, differentiate the cost of control for that source from the costs of control for the rest of that industry. Staff acknowledges the request for economic feasibility and to the extent applicable under USEPA guidance will take into consideration addressing those factors in proposed LAER determination forms. Staff also re-emphasizes that the Part B, Section 3 proposals are not being proposed as LAER, but will continue address the comment moving forward.



Proposed Updates to BACT Guidelines

Governing Board Meeting
February 2, 2018

Background / Public Process

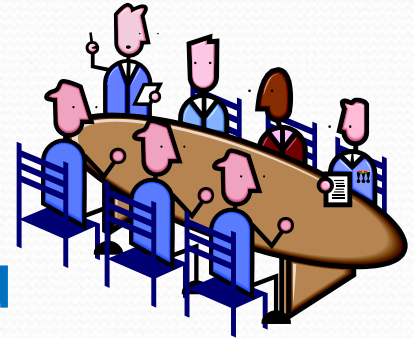
- **Updated BACT Guidelines and established Charter for BACT SRC at December 2016 Board meeting**
- **Board directed staff to continue work on updating BACT Guidelines**
- **Review BACT determinations done by other air districts with an emphasis on UV/EB inks and coatings technology**
- **Report back to Stationary Source Committee by June 2017 on proposed updates**
- **Held two public BACT SRC meetings, April 4 and May 24, 2017 with a 30-Day Comment period**

Background / Public Process

- **Presented proposed amendments to BACT Guidelines at June 16 SSC**
- **Held two more public BACT SRC meetings, Oct. 26 & Dec. 12, 2017 with a 30-Day Comment period**
- **Response to comments in Attachment F of Board Letter Package**
 - **Received 13 comment letters with total of 40 comments**

Proposed Updates to BACT Guidelines

- Parts B and D (major & minor source BACT)
- Reviewed achieved in practice BACT for UV/EB and water-based inks and coatings, Food Ovens, Engines and other equipment categories
- Reviewed BACT determinations from SCAQMD and other Air Districts
- Conducted site visits to facilities (Printing, Food Oven, APC mfg.) and worked with printing industry trade organizations
- Maintained consistency with recent changes to SCAQMD rules, State and Federal requirements
- Making BACT webpage interactive and User Friendly



Part B, Section I, SCAQMD LAER/BACT



New Listings

Furnace (Heat Treating Aluminum $\leq 900^{\circ}\text{F}$)

5MMBtu/hr, Low NOx burner, NOx=30ppm



Food Oven- Bakery

Four ovens: 3.2, 2.8, 3.2 & 5.4MMBtu/hr vented to 4MMBtu/hr CatOx @ 95% control & $\geq 600^{\circ}\text{F}$ inlet temp & ceramic pre filter, R1147 compliant, Ovens - R1153.1 compliant



Food Oven- Tortilla Chip

5.774MMBtu/hr, IR & Ribbon burners, NOx=54ppm @ 1 hr. avg., CO=2000ppm, @ 15 min. avg.



Food Oven- Snack Food

1.6MMBtu/hr, Maxon Low NOx burner, NOx=25ppm, CO=75ppm, both @ 1 hr. avg. 3% O₂



Flare- Biogas

12MMBtu/hr, Bekaert, NOx=0.025 lb/MMBtu, CO=0.06 & VOC=0.038
39.3MMBtu/hr, John Zink, ZULE, NOx=0.025 lb/MMBtu and CO=0.06 lb/MMBtu



Flare- Landfill Gas

120MMBtu/hr, Zink ultra Low NOx, NOx=0.025 lb/MMBtu and CO=0.06 lb/MMBtu



Part B, Section I, SCAQMD LAER/BACT



Listing Updates

Boiler

39.9 MMBtu/hr, Low NO_x burner with SCR
NO_x=5ppm, CO=100ppm & NH₃=5ppm



I.C. Engine – Digester Gas-Fired

Compliance with Rule 1110.2(d)(1)(C);
NO_x=11ppm, VOC=30ppm & CO=250ppm



Part B, Section III, Other Technologies



Emerging Technologies

I.C. Engine- Emergency Compression Ignition with PM Trap and SCR

Tier 2 Engine with Tier 4 Final aftertreatment at permitted emission limits: NMHC=0.14 g/bhp-hr, NO_x=0.5 g/bhp-hr, CO=2.61 and PM=0.022 g/bhp-hr



Distributed Generation Fuel Cell with digester gas clean up system

1.4MW Fuel Cell equipped with 2.5 MMBtu/hr heater fired on digester gas used for start up, cool down and low power operation. Rule 222 registration per Rule 219(b)(5). NO_x=0.07, VOC=CO=0.10 lb/MW-hr



- ***These are emerging technologies which have been in operation with an air quality permit, however do not yet qualify as LAER***
- ***Proposed new section in BACT Determination form titled “7. Pending Considerations”***

Part D, BACT for Non-Major Facilities



New Listings

Food Oven

- Ribbon burner

>500°F: NO_x = 60 ppm, CO= Rule 407/1153.1, PM₁₀=SO_x= Nat Gas

≤500°F: NO_x = 30ppm CO = Rule 407/1153.1, PM₁₀=SO_x= Nat Gas

- Other Direct fired

NO_x = 30 ppm, CO=Rule 407/1153.1, PM₁₀=SO_x= Nat Gas

- Infrared

NO_x = 30 ppm, CO=Rule 407/1153.1, PM₁₀=SO_x= Nat Gas

- Other

Compliance with Rule 1147/1153.1, PM₁₀=SO_x= Nat Gas

- Bakery Oven with Yeast Leavened Products
≥30 lb VOC/day

CatOx @ 95% overall control, ≥600°F inlet temp & ceramic pre filter *{cost effectiveness}*



Part D, BACT for Non-Major Facilities



New Listing/Updates

**I.C. Engine, Stationary,
Non-Emergency,
Electrical Generators**

Compliance with Rule 1110.2



**I.C. Engine, Stationary,
Non-Emergency**

Delete listing. Being replaced by BACT determinations I.C. Engine, Stationary, Non-Emergency, Electrical and Non-Electrical Generators



**I.C. Engine, Stationary,
Non-Emergency, Non-
Electrical Generators**

Delete footnote #1 consistent with proposed listing of new BACT determination for "I.C. Engine, Stationary, Non-Emergency, Electrical Generator"



I.C. Engine, Portable

75 ≤ HP < 175, Tier 4 Final – Consistent with CARB



Dryer or Oven

Footnote of non-applicability to food oven



Part D, BACT for Non-Major Facilities



New Listings

Printing (Graphic Arts) Flexographic

Inks with ≤ 1.5 lb VOC/gal, Less Water and Exempt Compounds; or UV/EB or water-based inks/coatings ≤ 180 g VOC/L.
Compliance with SCAQMD Rules 1130 and 1171.



Printing (Graphic Arts) Flexographic

Add-on control venting to Regenerative Thermal Oxidizer, 95% destruction eff. and $\geq 1500^{\circ}\text{F}$ operating temp with total enclosure. *{cost effectiveness}*



Printing (Graphic Arts) Lithographic or Offset, Heatset

Low VOC Fountain Solution ($\leq 8\%$ by Vol. VOC); ~~Low Vapor Pressure (≤ 10 mm Hg VOC Composite Partial Pressure¹)~~ or Low VOC (≤ 100 g/l) Blanket and Roller Washes; Oil-Based or UV-Curable Inks; and Compliance with SCAQMD Rules 1130 and 1171 (7-14-2006).



Printing (Graphic Arts) Lithographic or Offset, Heatset

Correct listing of oven venting to afterburner from PM_{10} column to VOC column.



Part D, BACT for Non-Major Facilities



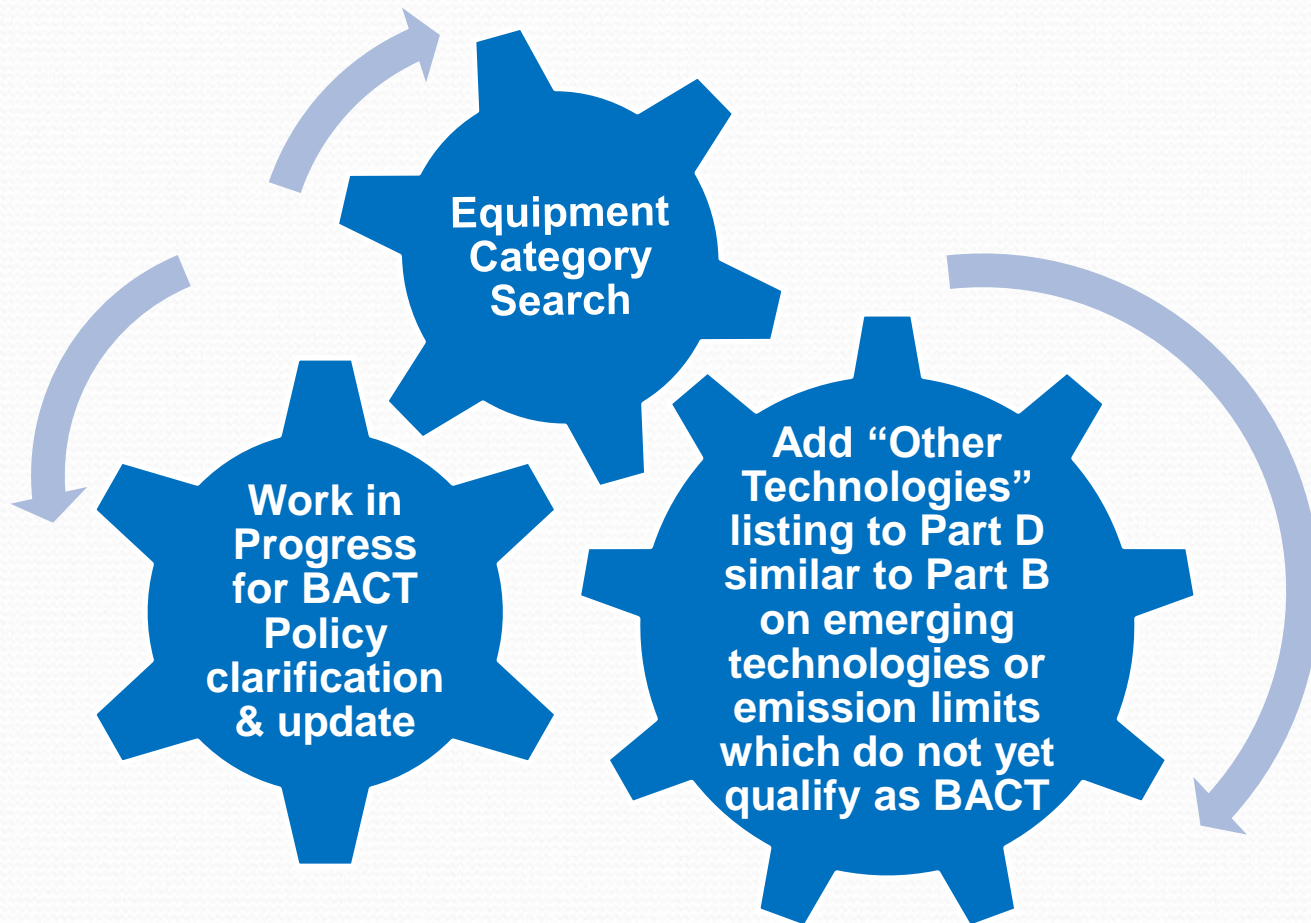
New Listings

Printing (Graphic Arts) Screen Printing and Drying

Compliance with SCAQMD Rules 1130.1 and 1171; or use of Rule 1130.1 compliant UV/EB or water-based inks/coatings.



Making BACT Guidelines User Friendly



Key Issues

- **Transparency of BACT update process**
 - 4 BACT SRC meetings, 2 30-day public comment periods
- **Develop more specific BACT determinations**
 - Staff will review future BACT determinations for case specific applicability based on operation
- **Permitting policy**
 - Outside scope of BACT Guidelines policy
- **Make BACT Guidelines more user friendly**
 - Staff is working on making BACT Guidelines webpage more interactive and streamlined

Recommended Actions

- **Determine that the proposed amendments to the BACT Guidelines are exempt from CEQA; and**
- **Approve Proposed Amendments to the BACT Guidelines, Part B and D.**