



South Coast Air Quality Management District

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

ENVIRONMENTAL JUSTICE ADVISORY GROUP

Advisory Group Members

Dr. Joseph Lyou, Chair
Dr. Clark E. Parker, Vice-Chair
Ben Benoit, Councilmember, City of Wildomar

Rhetta Alexander	Dr. Monique Hernandez
Marc Ang	Dr. Jill Johnston
Manuel Arredondo	Maria Elena Kennedy
Dr. Lawrence Beeson	Evelyn Knight
Suzanne Bilodeau	Angelo Logan
Paul Choe	Humberto Lugo
Kerry Doi	David McNeill
Dr. Afif El-Hasan	Daniel Morales
Mary Figueroa	Donald Smith
Myron Hale	Rafael Yanez

**January 18, 2019 ♦ 12:15 p.m. ♦ Conference Room GB
21865 Copley Drive, Diamond Bar, CA 91765-4182**

Call-in for listening purposes only is available by dialing:
Toll Free: 1-888-450-5996
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<http://www.aqmd.gov/home/library/webcasts>

AGENDA

Members of the public may address this body concerning any agenda item before or during consideration of that item (Gov't. Code Section 54854.3(a)). Please provide a Request to Address the Committee card to the Committee Secretary if you wish to address the Committee on an agenda item. If no cards are available, please notify SCAQMD staff or a Board Member of your desire to speak. All agendas for regular meetings are posted at District Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of the regular meeting. Speakers may be limited to three (3) minutes each.

CALL TO ORDER

ACTION ITEMS (Items 1 through 3):

1. Call to Order/Opening Remarks
(No Motion Required) Dr. Joseph Lyou
Chair
2. Approval of October 26, 2018 Meeting Minutes
(Motion Required)
[Attachment 1] Dr. Joseph Lyou
3. Review of Follow-Up/Action Items
(No Motion Required)
Staff will review the follow-up/action items identified in the previous meeting. Fabian R. Wesson
Assistant Deputy Executive Officer
Legislative, Public Affairs & Media
SCAQMD

DISCUSSION ITEMS (Items 4 through 6):

4. AB 617 Updates
(No Motion Required)
Staff will provide updates on AB 617 implementation process in the three communities within the South Coast Air Basin. Jo Kay Ghosh
Health Effects Officer
Planning, Rule Development &
Area Sources
SCAQMD
5. Electric Leaf Blower Incentive Programs
(No Motion Required)
Staff will provide information and current status of electric leaf blower incentive programs. Lourdes Cordova Martinez
Senior Public Affairs Manager
Science & Technology Advancement
SCAQMD
6. Smartphone Air Quality Applications Update
(No Motion Required)
Staff will provide a status update on the SCAQMD smartphone application and information on similar applications. Ron Moskowitz
Chief Information Officer
Information Management
SCAQMD

OTHER MATTERS:

7. Other Business Staff
Any member of this body, or its staff, on his or her own initiative or in response to questions posed by the public, may ask a question for clarification, may make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter, or may take action to direct staff to place a matter of business on a future agenda. (Govt. Code Section 54954.2)

8. **Public Comment Period**
At the end of the regular meeting agenda, an opportunity is provided for the public to speak on any subject within the Committee's authority that is not on the agenda. Speakers may be limited to three (3) minutes each.

9. **Next Meeting Date** – Friday, April 26, 2019

ADJOURNMENT

Document Availability

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

Americans with Disabilities Act

The agenda and documents in the agenda packet will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't Code Section 54954.2(a)). Disability-related accommodations will also be made available to allow participation in the Environmental Justice Advisory Group meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated to the extent feasible. Please contact Brandee Keith at (909) 396-3952 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to bkeith@aqmd.gov.

AGENDA ITEM #2

**APPROVAL OF October 26, 2018
MEETING MINUTES
[ATTACHMENT 1]**

ENVIRONMENTAL JUSTICE ADVISORY GROUP
FRIDAY, OCTOBER 26, 2018
MEETING MINUTES

MEMBERS PRESENT:

Dr. Joseph Lyou, SCAQMD Governing Board, EJAG Chairman
Rhetta Alexander, Valley Interfaith Council
Manuel Arredondo, Coachella Valley School District, Retiree
Dr. Larry Beeson, Loma Linda University, School of Public Health
Suzanne Bilodeau, Knott's Berry Farm
Kerry Doi, Pacific Asian Consortium in Employment
Mary Figueroa, Riverside Community College
Dr. Jill Johnston, University of Southern California
Daniel Morales, National Alliance for Human Rights
David McNeill, Baldwin Hills Conservancy
Donald Smith, 136th Street Block Club
Rafael Yanez, Member of the Public

MEMBERS ABSENT:

Ben Benoit, SCAQMD Governing Board
Dr. Clark E. Parker, SCAQMD Governing Board, Vice Chair
Paul Choe, Korean Drycleaners & Laundry Association
Dr. Afif El-Hasan, American Lung Association
Myron Hale, SLMQM
Dr. Monique Hernandez, California State University, Los Angeles
Maria Elena Kennedy, Quail Valley Task Force
Evelyn Knight, Long Beach Economic Development Commission
Angelo Logan, Occidental College & East Yard Communities for Environmental Justice

SCAQMD STAFF:

Fabian Wesson, Assistant Deputy Executive Officer, LPAM
Nancy Feldman, Principal Deputy District Counsel, Legal
Alicia Rodriguez, Senior Public Information Specialist
Dr. Jo Kay Ghosh, Health Effects Officer
Anna Yoo, Staff Assistant
Brandee Keith, Secretary

CALL TO ORDER

Dr. Joseph Lyou called the meeting to order at 12:00 p.m.

APPROVAL OF JULY 27, 2018 MEETING MINUTES

Mr. Manuel Arredondo motioned to approve the July 27 minutes without changes. Mr. Rafael Yanez seconded the motion and minutes were approved.

REVIEW OF FOLLOW-UP/ACTION ITEMS – MS. FABIAN R. WESSON

There were no follow-up actions from the previous meeting.

DISCUSSION ITEMS

AB 617 Updates – Dr. Jo Kay Ghosh

Dr. Jo Kay Ghosh delivered a presentation detailing updates on the AB 617 implementation, notably the current search for interested parties to participate in community steering committees to advise and guide implementation efforts.

Mr. David McNeill asked what the criteria was for participating in one of the community steering committees. Dr. Ghosh listed the criteria by which interested parties might be chosen, including active participation in community organizations. Also to be considered would be members of public agencies, current residents in the respective communities, and owners or employees of local businesses.

Ms. Rhett Alexander asked if there would be a specific target number of members for the steering committees, and Dr. Ghosh explained SCAQMD would be looking for about 30 members.

Mr. Rafael Yanez asked for details on the scheduling and time commitments expected of members. Dr. Ghosh outlined the approximate plan for meetings, saying SCAQMD would request a 1-year commitment and expected dynamic involvement from selected members. Mr. Yanez asked what time of day the meetings might be held and Dr. Ghosh replied that while so far the meetings had been scheduled during late afternoon and evening hours, there could be adjustments made to the schedules based on the needs and availability of steering committee members.

Mr. McNeill asked for a copy of the Interest Card and Dr. Ghosh directed him to the website to find the form. Mr. Daniel Morales inquired as to the deadlines for the interest forms to be submitted for the Muscoy area, since according to Dr. Ghosh's presentation, the deadline of October 19 had already passed. Dr. Ghosh said the deadline would be extended for more applicants in the area.

Ms. Rhett Alexander asked which entities would be making the suggestions or decisions regarding the selection for the committees. Dr. Ghosh explained a panel would be convened including members of local agencies and organizations.

Ms. Mary Figueroa asked for clarification on outreach efforts to generate local interest in the steering committees. Dr. Ghosh explained that in addition to the community meetings at which

interest cards were made available, information had been sent out via email blasts and direct contact, as well as outreach to local elected officials' offices.

Dr. Joseph Lyou drew attention to the deadlines involved in proposing best practices or best available technologies, and asked for clarification on whether steering committee members would be offered a per diem for their participation. Dr. Ghosh stated there had not been any per diem outlined so far, but one could be implemented after discussion and approval. Dr. Lyou also asked for clarification on issues raised in inter-agency relations to emissions reporting. Ms. Jill Whynot was asked to comment.

Ms. Whynot explained that SCAQMD had programs to collect inventory reporting from area sources. The State would also be required to establish a unified reporting program for emitters under the cap-and-trade program. CARB and SCAQMD are determining which facilities must provide inventory reporting. Mr. Rafael Yanez brought up that the State intended to move to a more unified permitting process for certain sources. He explained communities expressed concerns the area sources were not always required to demonstrate relevant reporting data. Mr. Yanez suggested that concerned parties would prefer to cast a wide net for reporting and permitting. He asked if the steering committees would be exposed to CARB-related issues and have any input on CARB-related matters. Dr. Ghosh confirmed the steering committees would.

Dr. Jill Johnston expressed concern that not all members involved in the discussion on implementation would have as much understanding and first-hand experience with air quality monitoring and emissions reduction. Dr. Lyou expressed agreement on the importance of bringing communities up to speed on issues pertaining to their specific regulatory needs. He also expressed understanding community concerns about possible sources that had not yet been identified. Ms. Whynot mentioned future monitoring efforts would account for "unknown" toxics more easily than extensive inventory reporting.

Mr. Yanez suggested the District might find methods to assist companies with better and more efficient source testing. Mr. McNeill proposed some thoughts on being able to break information down to be more easily shared out to residents. Dr. Lyou and Ms. Whynot shared some past and future efforts undertaken in order to help disperse information and educate residents.

Fourth Annual Environmental Justice Conference Update – Alicia Rodriguez

Ms. Alicia Rodriguez delivered a presentation on the recent Environmental Justice Conference. Ms. Rhetta Alexander expressed her congratulations to the staff for a successful conference, and Mr. Kerry Doi asked if there had been any impact studies done on matters like emissions reductions, and expressed that would be a subject of interest for a future conference. Ms. Alexander expressed that she heard about a Proposed Rule 1410 during a Q&A at the conference, and asked if it might become the subject of a future presentation.

Action Item: Staff to work with Planning, Rule Development & Area Sources on providing information to Ms. Alexander about Proposed Rule 1410.

OTHER MATTERS:

Member Updates

Mr. Daniel Morales brought up an ongoing dispute in Colton and a meeting held by AQMD, and expressed thanks to the staff for participation. Ms. Fabian Wesson promised a flyer would be sent out to the Advisory Group pertaining to future meetings on the dispute.

Action Item: Staff to send EJAG information on the upcoming Facility-Based Mobile Source Measures meeting.

Action Item: Staff to send EJAG the link of the Facility-Based Mobile Source Measures webpage with information on where to find presentations and future meetings.

Mr. Donald Smith asked about efforts to address emissions from leaf blowers, and Dr. Lyou explained there were ongoing efforts within the agency, and the subject could be brought forward in a presentation at a future meeting.

Action Item: Staff to give a presentation to EJAG on the Electric Lawn and Garden Equipment program at SCAQMD.

Dr. Jill Johnston requested that SCAQMD commit to giving regular timeline updates on AB 617.

Action Item: Staff to give regular timeline updates to EJAG.

Ms. Mary Figueroa shared a concern for the lack of information available to communities in close proximities to toxic emissions sources and indirect sources. She listed several new developments being approved in spite of community concerns. Dr. Lyou request staff put Ms. Figueroa in contact with appropriate SCAQMD contacts to improve communication and response to specific incidents. Ms. Figueroa asked whether SCAQMD and the Governing Board was made of aware of each project as it was approved, and Dr. Lyou explained that not all projects were necessarily brought to SCAQMD's attention.

Action Item: Staff connect Ms. Mary Figueroa to Planning, Rule Development & Area Sources regarding indirect source rules in Riverside.

Ms. Rhetta Alexander asked if anything was being done to require conscientious practices in new developments, and Dr. Lyou shared efforts in conjunction with rules and rule proposals with the intention of improving adoption of better environmentally friendly procedures.

Ms. Alexander asked how close the industry was to adopting alternative-fuel trucks, and Dr. Lyou outlined ongoing efforts to generate adoption of alternative-fuel truck transport.

Public Comment Period

There was no public comment.

Next Meeting Date – Friday, January 18, 2019.

Dr. Lyou requested a possible poll to reschedule the January meeting.

Action Item: Staff to send a poll to EJAG regarding whether the next meeting be held on January 18, 2019 or January 25, 2019.

ADJOURNMENT – Dr. Lyou adjourned the meeting at 1:45 pm.

AGENDA ITEM #5

Overview on Commercial Electric Lawn & Garden Equipment Incentive and Exchange and Residential Lawn Mower Rebate Programs

[ATTACHMENT 2]

EJAG Presentation

Overview on Commercial Electric Lawn & Garden
Equipment Incentive and Exchange and
Residential Lawn Mower Rebate Programs

Lourdes Cordova Martinez
Sr. Public Affairs Manager

AQMD Early Programs

- In 2006 introduced a Commercial Leaf Blower Exchange Program to encourage purchase of lower-emission equipment
- Over 12,000 leaf blowers exchanged
 - In 2016 introduced battery-electric models
 - In 2017 only offered battery electric blowers
 - In 2019 new Commercial Electric Lawn & Garden Equipment Incentive and Exchange Program

CARB Efforts

- Small Off Road Engine Exhaust Standards
 - Includes lawn and garden equipment
 - 16.5 million pieces of equipment statewide
 - 14.3 million residential
 - 2.2 million commercial
- Address Operator Exposure, Health Risks and Pathways to Zero Emission Equipment

Commercial Lawn & Garden Program

- Funded with \$2.4 million from U.S. EPA Targeted Air Shed Grant Program and AQMD's Air Quality Investment program
- Promote the use of battery-electric lawn and garden equipment to reduce air toxics, fine particles and CO
 - Six manufacturers selected to participate who will offer trimmers, chainsaws, pruners, backpack and handheld leaf blowers and ride-on, stand-on, walk-behind and robotic lawn mowers

Manufacturers Selected

- Echo
- Husqvarna Group
- Makita U.S.A.
- Mean Green Products
- Oregon
- Pacific STIHL



Husqvarna robotic lawn mower



Mean Green stand-on zero turn mower



Makita chainsaw with batteries and charger

Commercial Electric Lawn and Garden Equipment Exchange Program

- Replace up to 5,600 pieces of old gasoline or diesel-powered commercial lawn and garden equipment with new battery-electric models
- Must scrap a working piece of equipment to be eligible to purchase new battery electric equipment at a discounted price
- Program will start January 29 and eligible participants include commercial landscapers and gardeners, local governments, school districts, colleges and nonprofit organizations

Commercial Electric Lawn and Garden Equipment Exchange Program

- Manufacturers have dealer locations throughout AQMD's four county region
- Old equipment will be tested for operation, drained of all fluids and permanently destroyed by a licensed dismantler
- SCAQMD will share participant data with CARB, who will conduct a future survey of participants and quantify the actual emissions reduced from equipment scrapped through the program—and also use of zero emission equipment

Commercial Electric Lawn and Garden Equipment Exchange Program (Example)

- STIHL leaf blower with backpack battery and a charger
- MSRP = \$1,390
- Discounted price = \$1,080
- Participant cost = \$540
- SCAQMD incentive = \$540



Commercial Electric Lawn and Garden Equipment Exchange Program Outreach

- Distribute program brochure and factsheet through cities, school districts, non-profits, trade associations
 - AQMD website, list of past program participants, equipment dealer locations, media advisories and targeted outreach events
 - Manufacturers will also publicize event through their marketing department
 - AQMD bilingual staff available to respond to questions

Residential Lawn Mower Rebate Program

- 2002-AQMD hosts first electric lawn mower exchange program
 - Program sells out- exchanges 2,000 mowers first come, first served
 - Over the next 12 years over 50,000 gasoline lawn mowers are replaced with electric lawn mowers
 - 2015-16 program experiences a dramatic decrease in participation (due to drought and water rationing). Also more availability of electric lawn mowers (over 30 brands available).
 - 2017-transition to a year-round, rebate program

Lawn Mower Rebate (cont.)

- Since program inception in April 2017 AQMD has processed 870 lawn mower applications totaling \$184,000 in rebates
- Consumer can select from a wide variety of battery-electric lawn mowers; purchase a new mower, scrap the old gasoline mower and submit the rebate application
 - \$150, \$200 or \$250 rebates direct to the consumer

Program Resources

- AQMD Commercial and Residential programs
 - www.aqmd.gov/lawnmower
 - Email lawnngarden@aqmd.gov
 - Call 888-425-6247 (Tuesday-Friday)
- CARB Zero-Emission Equipment Roadshow
 - Demonstrate and loan equipment to interested cities, school districts and parks.
 - Contact Dorothy.Fibiger@arb.ca.gov

List of 2019 Meetings



**South Coast Air Quality Management District
Environmental Justice Advisory Group**

2019 Meeting Dates

Date	Time	Location
Friday, January 18, 2019	12:15 PM	South Coast AQMD Headquarters 21865 Copley Drive, Diamond Bar, CA 91765 <u>Room: GB</u>
Friday, April 26, 2019	12:00 PM	South Coast AQMD Headquarters 21865 Copley Drive, Diamond Bar, CA 91765 <u>Room: GB</u>
Friday, July 26, 2019	12:00 PM	South Coast AQMD Headquarters 21865 Copley Drive, Diamond Bar, CA 91765 <u>Room: GB</u>
Friday, October 25, 2019	12:00 PM	South Coast AQMD Headquarters 21865 Copley Drive, Diamond Bar, CA 91765 <u>Room: GB</u>

List of Acronyms



ENVIRONMENTAL JUSTICE COMMUNITY PARTNERSHIP ADVISORY COUNCIL

LIST OF ACRONYMS

AQIP = Air Quality Investment Program	NTTS = National Air Toxics Trends Stations
AVR = Average Vehicle Ridership	NESHAPS = National Emission Standards for Hazardous Air Pollutants
Cal/EPA = California Environmental Protection Agency	NGV = Natural Gas Vehicle
CARB = California Air Resources Board	NO_x = Oxides of Nitrogen
CEMS = Continuous Emissions Monitoring Systems	NSPS = New Source Performance Standards
CEQA = California Environmental Quality Act	NSR = New Source Review
CE-CERT = College of Engineering-Center for Environmental Research and Technology	PAMS = Photochemical Assessment Monitoring Stations
CNG = Compressed Natural Gas	PAR = Proposed Amended Rule
CO = Carbon Monoxide	PM₁₀ = Particulate Matter ≤ 10 microns
CTG = Control Techniques Guideline	PM_{2.5} = Particulate Matter ≤ 2.5 microns
DERA = Diesel Emissions Reduction Act	PR = Proposed Rule
EV = Electric Vehicle	RFP = Request for Proposals
FY = Fiscal Year	RFQ = Request for Quotations
GHG = Greenhouse Gas	SCAG = Southern California Association of Governments
HRA = Health Risk Assessment	SIP = State Implementation Plan
IAIC = Interagency AQMP Implementation Committee	SO_x = Oxides of Sulfur
IGA = Intergovernmental Affairs	SULEV = Super Ultra Low Emission Vehicle
LEV = Low Emission Vehicle	TCM = Transportation Control Measure
LNG = Liquefied Natural Gas	ULEV = Ultra Low Emission Vehicle
MATES = Multiple Air Toxics Exposure Study	U.S. EPA = United States Environmental Protection Agency
MOU = Memorandum of Understanding	VMT = Vehicle Miles Traveled
MSERCs = Mobile Source Emission Reduction Credits	VOC = Volatile Organic Compound
MSRC = Mobile Source (Air Pollution Reduction) Review Committee	ZEV = Zero Emission