



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 MEETING

Advisory Group Members

Mayor Carlos Rodriguez, LGSBA Chairman (Board Member)
Supervisor Janice Rutherford (Board Member)
Felipe Aguirre
Mayor Rachelle Arizmendi, City of Sierra Madre
Paul Avila, P.B.A. & Associates
Geoffrey Blake, Metal Finishers of Southern California
Todd Campbell, Clean Energy
LaVaughn Daniel, DancoEN
John DeWitt, JE DeWitt, Inc.
Bill LaMarr, California Small Business Alliance
Rita Loof, RadTech International
Eddie Marquez, Roofing Contractors Association
David Rothbart, Los Angeles County Sanitation Districts

Friday, January 14, 2022 ♦ 11:30 a.m.

Pursuant to Assembly Bill 361, the South Coast AQMD Local Government & Small Business Advisory Group meeting will only be conducted via videoconferencing and by telephone. Please follow the instructions below to join the meeting remotely.

INSTRUCTIONS FOR ELECTRONIC PARTICIPATION AT BOTTOM OF AGENDA

Join Zoom Webinar Meeting – from PC or Laptop
<https://scaqmd.zoom.us/j/92459924491>

Zoom Webinar ID: 924 5992 4491 (applies to all)

Teleconference Dial In
+1 669 900 6833

One tap mobile
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Audience will be allowed to provide public comment through telephone or Zoom connection during public comment period.

PUBLIC COMMENT WILL STILL BE TAKEN

AGENDA

Members of the public may address this body concerning any agenda item before or during consideration of that item (Gov't Code Section 54954.3(a)). All agendas for regular meetings are posted at South Coast AQMD 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

1. Call to Order/Opening Remarks *Mayor Carlos Rodriguez*
Committee Chair
(No Motion Required)

ACTION ITEMS (Items 2 through 4):

2. Approval of December 10, 2021 Meeting Minutes *Mayor Carlos Rodriguez*
Committee Chair
(Motion Required)
[Attachment 1]
3. Discussion on Priorities for Retrospective Analysis Request *All*
The LGSBA Advisory Group members will discuss priorities for the retrospective analysis request and vote on its addition to the 2022 Goals & Objectives of the LGSBA Advisory Group.
(Motion Required)
[Attachment 2]
4. Nomination of Local Government & Small Business Assistance (LGSBA) Advisory Group member to SCAQMD Advisory Council *Ian MacMillan*
Assistant Deputy Executive Officer
Planning, Rule Development & Area Sources
Pursuant to the charter and recommendations of the Blue Ribbon Panel, each advisory group shall appoint one of its members to serve on the District's Advisory Council. A selection by LGSBA Advisory Group is needed at this time for the 2022 Advisory Council Roster.
(Motion Required)

DISCUSSION ITEMS (Items 5 through 7):

5. Review of Follow-Up/Action Items *Derrick J. Alatorre*
Deputy Executive Officer
Legislative, Public Affairs & Media
Staff will review the follow-up/action items identified in the previous meeting.
(No Motion Required)
6. Annual Report on Assembly Bill (AB) 2766 Funds from Motor Vehicle Registration Fees for Fiscal Year 2019-2020 *Lane Garcia*
Program Supervisor
Planning, Rule Development & Area Sources
Staff will provide an update on the Implementation of AB 2766 for Fiscal Year 2019-2020.
(No Motion Required)
[Attachment 3]

7. Proposed Updates to Best Available Control Technology Guidelines (BACT)
Staff will provide information on proposed updates to the BACT Guidelines.
(No Motion Required)
[Attachment 4]

Alfonso Baez
Program Supervisor
Engineering & Permitting

OTHER MATTERS:

8. Other Business
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. (Gov't Code Section 54954.2)
9. 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 Local Government and Small Business Assistance Committee's authority that is not on the agenda. Speakers may be limited to three (3) minutes each.
10. **Next Meeting Date** - Friday, February 11, 2022 at 11:30 a.m.

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 by contacting Elaine Hills at (909) 396-2945 or send the request to ehills@aqmd.gov.

Americans with Disabilities Act and Language Accessibility

Disability and language-related accommodations can be requested to allow participation in the Local Government and Small Business Assistance Advisory Group meeting. The agenda will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't Code Section 54954.2(a)). In addition, other documents may be requested in alternative formats and languages. Any disability or language-related accommodation must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to the South Coast AQMD. Please contact Elaine Hills at (909) 396-2945 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to ehills@aqmd.gov.

INSTRUCTIONS FOR ELECTRONIC PARTICIPATION

Instructions for Participating in a Virtual Meeting as an Attendee

As an attendee, you will have the opportunity to virtually raise your hand and provide public comment.

Before joining the call, please silence your other communication devices such as your cell or desk phone. This will prevent any feedback or interruptions during the meeting.

Please note: During the meeting, all participants will be placed on Mute by the host. You will not be able to mute or unmute your lines manually.

After each agenda item, the Chair will announce public comment.

A countdown timer will be displayed on the screen for each public comment. If interpretation is needed, more time will be allotted.

Once you raise your hand to provide public comment, your name will be added to the speaker list. Your name will be called when it is your turn to comment. The host will then unmute your line.

Directions for Video ZOOM on a DESKTOP/LAPTOP:

- If you would like to make a public comment, please click on the “**Participants**” button on the bottom of the screen.
- A list of participants will appear on the right side of the screen. At the bottom of the list, please click on the grey “**Raise Hand**” button.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

Directions for Video Zoom on a SMARTPHONE:

- If you would like to make a public comment, please click on the “**Participants**” button on the bottom of your screen.
- A new screen will pop up with the list of participants. Look for the “**Raise Hand**” button on the screen and click the button.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

Directions for TELEPHONE line only:

- If you would like to make public comment, please **dial *9** on your keypad to signal that you would like to comment.



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DRAFT

LOCAL GOVERNMENT & SMALL BUSINESS ASSISTANCE ADVISORY GROUP FRIDAY, DECEMBER 10, 2021 MEETING MINUTES

MEMBERS PRESENT:

Mayor Carlos Rodriguez, LGSBA Chairman (Board Member)
Supervisor Janice Rutherford (Board Member)
Felipe Aguirre
Mayor Rachelle Arizmendi, City of Sierra Madre
Paul Avila, P.B.A. & Associates
Geoffrey Blake, Metal Finishers of Southern California
Todd Campbell, Clean Energy
LaVaughn Daniel, DancoEN
John DeWitt, JE DeWitt, Inc.
Bill LaMarr, California Small Business Alliance
Eddie Marquez, Roofing Contractors Association
Rita Loof, RadTech International
David Rothbart, Los Angeles County Sanitation Districts

OTHERS PRESENT:

Mark Abramowitz
Erin Berger, SoCal Gas
Harvey Eder
Matt Holder, Board Member Consultant (*Rodriguez*)
Debra Mendelsohn, Board Member Consultant (*Rutherford*)

SOUTH COAST AQMD STAFF:

Jill Whynot, Chief Operating Officer
Derrick Alatorre, Deputy Executive Officer
Sarah Rees, Deputy Executive Officer
Daphne Hsu, Principal Deputy District Counsel
Elaine-Joy Hills, Air Quality Specialist
Anthony Tang, Information Technology Supervisor
Paul Wright, Senior Information Technology Specialist
Aisha Reyes, Administrative Assistant

Agenda Item #1 – Call to Order/Opening Remarks

Chair Carlos Rodriguez called the meeting to order at 11:31 a.m.

Agenda Item #2 – Approval of November 12, 2021 Meeting Minutes

Chair Rodriguez called for approval of the November 12, 2021 meeting minutes.

Mr. Bill LaMarr suggested sending draft minutes to advisory group members for review prior to posting in the agenda. The recommendation will be taken into consideration per Chair Rodriguez.

A motion to approve the minutes was made by Mr. LaMarr; seconded by Mr. Geoffrey Blake; unanimously approved.

Ayes: Aguirre, Arizmendi, Blake, Campbell, Daniel, DeWitt, LaMarr, Loof, Rothbart, Rutherford, Rodriguez

Noes: None

Abstain: None

Absent: Avila, Marquez

Agenda Item #3 – Review of Follow-Up/Action Items

Mr. Derrick Alatorre reviewed the follow-up and action items from the previous meeting.

Mayor Rachelle Arizmendi asked if the advisory group needed to take action on meeting virtually every 30 days. Ms. Daphne Hsu indicated the Governing Board has taken action that applies to advisory groups and committees.

No public comment.

Agenda Item #4 – Approval of Local Government & Small Business Assistance Advisory Group 2021 Accomplishments and Seek Items for 2022 Goals & Objectives

Mr. Alatorre presented a summary of the 2021 accomplishments and 2022 goals and objectives of the LGSBA Advisory Group.

Mr. LaMarr suggested that California Air Resources Board's (CARB) forklift regulation be added as an agenda item to monitor and to enlist CARB to provide periodic briefings.

Mr. John DeWitt proposed adding the measuring of hard costs against results to the goals and objectives; for example, the costs of vapor recovery, double piping, and replacement of single-wall tanks to double-wall tanks. Mr. Alatorre stated that his understanding of the request is that it would be a cost benefit analysis whenever a rule is implemented, which he will work with staff on from the Planning, Rule Development and Area Sources (PRDAS) department, as well as Chair Rodriguez.

Ms. Rita Loof 1) requested an update on Rule 219; 2) offered a presentation by RadTech International on the latest developments in manufacturing, metal finishing, inks, coatings, and disinfectants; and 3) requested a presentation and update on CARB's Environmental Justice Advisory Committee that deals with the Assembly Bill (AB) 32 Scoping Plan.

Mr. David Rothbart requested a presentation on Rule 317, which is listed on the second page of the goals.

Mr. LaMarr referred to Mr. DeWitt's earlier proposal and indicated that the request may be for a retrospective analysis and not so much a cost benefit analysis. What Mr. LaMarr has in mind is a look back of five to seven years where staff presents a rule and attributes certain costs and benefits and will assert to the Board that the rule will eliminate certain toxics or emissions. Chair Rodriguez asked for a prioritization or specifics for the request, which will be further discussed in the January 2022 meeting.

Direction was made to the LGSBA members to email their top priorities regarding this item to Ms. Elaine Hills and Ms. Van Doan by January 7, 2022 and agendaize this item for January 2022.

Action Item #1: Put on agenda a discussion on LGSBA priorities associated with the retrospective analysis requested by Mr. DeWitt and Mr. LaMarr.

Mayor Arizmendi made a motion to approve the 2021 accomplishments and 2022 goals and objectives, reflecting the directions and proposals of the advisory group members, with the exception of the retrospective analysis topic, which will be discussed in the January 2022 meeting.

Mr. Alatorre added that this motion also includes approving the 2021 accomplishments. Ms. Hsu stated that the additions today were Mr. LaMarr's request to add forklift regulations and Ms. Loof's request for updates on Rule 219 and AB 32. Ms. Loof stated she also wanted to add the presentation by industry on technology.

Mr. Todd Campbell requested to include the port MOU in the agenda.

Mr. Felipe Aguirre requested a discussion on the odor issues in the City of Vernon, update on rule implementation, and a briefing on the status of Quemetco.

Moved by Mayor Arizmendi; seconded by Ms. Loof; unanimously approved.

Ayes: Aguirre, Arizmendi, Avila, Blake, Campbell, Daniel, DeWitt, LaMarr, Loof, Marquez, Rodriguez

Noes: None

Abstain: None

Absent: Rothbart, Rutherford

Mr. Harvey Eder made public comment on the Environmental Justice AB 32 Scoping Plan, legislative analysis, and climate change.

Agenda Item #5 – Monthly Report on Small Business Assistance Activities

Mr. Eder made public comment.

Agenda Item #6 – Monthly Status Report on Rule 2305 Implementation: Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program

Chair Rodriguez stated that due to Brown Act, questions or interest on the status of the WAIRE program should be directed to the Governing Board and/or Mobile Source Committee. Short comments are allowed according to Ms. Hsu.

Mr. Campbell asked what is involved in a warehouse operations notification report. Ms. Jill Whynt responded that information on WAIRE program is available on South Coast AQMD's website. Chair Rodriguez stated he made a request that Mobile Source Committee have regular updates on this matter.

Mr. Eder made public comment on Environmental Justice, particulate matter, and solar energy value.

Agenda Item #7 – Other Business

Mr. Alatorre notified the LGSBA advisory group members of the 2022 meeting dates.

Mr. Blake requested a discussion on the current approach to rulemaking as it applies to Rule 617 with regards to costs associated with continuous air monitoring requirements in the January 2022 meeting.

Action Item #2: Put on agenda a discussion on the approach to rulemaking associated with continuous air monitoring requirements.

Agenda Item #8 – Public Comment

Mr. Eder made public comment on community choice segregation.

Agenda Item #9 – Next Meeting Date

The next regular LGSBA Advisory Group meeting is scheduled for Friday, January 14, 2022 at 11:30 a.m.

Adjournment

The meeting adjourned at 1:09 p.m.

Local Government & Small Business Assistance Advisory Group

2021 Accomplishments

Throughout the year, the Local Government & Small Business Assistance (LGSBA) Advisory Group receives information and/or provides direct input on a variety of policy initiatives and proposed regulations that affect local governments, small businesses, and the general public. Such input is of particular value to the staff and Governing Board members in the process of developing such items and approving them, respectively.

Where appropriate, new additions and/or revisions were made by staff to improve proposals or policies, based on LGSBA members' input. A wide variety of comments were received on each of these items from LGSBA members representing local governments, small businesses, and the communities in general. Further details may be found in the minutes of meetings where each item was discussed in depth.

Significant Items Addressed in 2021

Significant discussions were held during 2021 on many items. A few notable items that were addressed during 2021 are summarized below, while an additional list of topics discussed follows.

(1) Air Quality in 2020: Smog, Wildfire Smoke and Emission Changes from the COVID-19 Response

Dr. Scott Epstein provided information on the anomalous air quality measurements and evidence for the factors influencing poor air quality in 2020. Dr. Epstein indicated that the Environmental Protection Agency (EPA) does not consider drought, abnormal weather and possibly the pandemic as exceptional events; however, does consider wildfires. If the data for days which wildfires occurred were excluded, South Coast AQMD would still be in nonattainment with the 1-hour ozone standard; however, the 24-hour particulate matter (PM_{2.5}) standard could be attained. Dr. Epstein specified that there was an 80% reduction of light-duty vehicle traffic and 25% reduction of heavy-duty vehicle traffic resulting from the Safer-at-Home order in March. However, the reduction of heavy-duty vehicle traffic rapidly decreased to 10% and now it is back to normal.

(2) Update on Recent Air Quality Management Plan (AQMP) Related Activities

Mr. Zorik Pirveysian provided an update on the South Coast Air Basin Attainment Plan for the 2006 24-hour PM_{2.5} Standard, the Coachella Valley Extreme Area Plan for the 1997 8-hour Ozone Standard, and the 2022 AQMP development. Mr. Pirveysian stated that the 2016 AQMP specified a reduction of 108 tons/day of nitrogen oxide (NO_x) by 2023, which is a challenge and needs regulations or programs to achieve it. Dr. Sarah Rees indicated that South Coast AQMD continues to have ongoing discussions with the US EPA regarding current issues.

(3) Update on Assembly Bill (AB) 617 for 2021

Mr. Daniel Wong presented an update on the Assembly Bill (AB) 617 Program for 2021. Mr. Dan Garcia indicated during the initial selection of a community, there has already been a sense of the types of sources. When the community boundaries are defined, technical staff conducts an in-depth review of sources within the boundaries, which provides the baseline emissions and help identify emission reductions. Mr. Derrick Alatorre stated that South Coast AQMD continues to advocate for sustained funding for this program and hopes it would increase this year; however, fund allocation is dependent on the budget trailer bills.

List of Items Addressed in 2021

A more complete list of items addressed during 2021 is shown below, with the dates of discussions noted in parenthesis, for reference and further details.

1. Monthly Report on Small Business Assistance Activities (monthly)
2. Air Quality in 2020: Smog, Wildfire Smoke and Emission Changes from the COVID-19 Response (January)
3. Update on South Coast AQMD Incentive Programs (January)
4. Update on Recent Air Quality Management Plan Related Activities (February)
5. Compliance & Enforcement Programs (February)
6. Update on Best Available Control Technology Guidelines (March)
7. Overview of Adopted Rule 1407.1: Control of Toxic Air Contaminant Emissions from Chromium Alloy Melting Operations (March)
8. The California Environmental Quality Act (CEQA) and South Coast AQMD's Role (April)
9. Update on Technology Advancement Office Clean Fuels Program, 2020 Annual Report and 2021 Plan (April)
10. Update on Refinery and Community Air Monitoring (April)
11. Results of the Multiple Air Toxics Exposure Study V (MATES V) (May)
12. Overview of the Annual Emissions Reporting (AER) Program (May)
13. Budget and Economic Outlook Update (June)
14. Update on the Cap-and-Trade Program (June)
15. Update on AB 617 for 2021 (August)
16. Update on the Environmental Justice Community Partnership (August)
17. Update on Fiscal Year 2021-2022 General Fund Budget (October)
18. Information on Proposed Amended Rule 219 – Equipment Not Requiring a Written Permit Pursuant to Regulation II (October)
19. End-of-Year Summary Report on State Legislature's and Governor's Actions during 2021 Legislative Session (November)
20. The New South Coast AQMD Real-Time Air Quality Index (AQI) Map (November)

Local Government & Small Business Assistance Advisory Group

Proposed 2022 Goals & Objectives

For 2022, the LGSBA Advisory Group will provide input about regulatory policies and practices and suggest enhancements to promote small business economic growth while furthering air quality and public health protection, consistent with the LGSBA Advisory Group mission statement.

The following items are proposed to be discussed in depth for 2022:

1. Air Quality Management Plan (AQMP):
 - a. Updates on the 2016 AQMP and development of the 2022 AQMP
 - b. Information on the progress in meeting the 2023 attainment deadline
2. Implementation of Assembly Bill (AB) 2766 requirements.
3. Significant South Coast AQMD rule proposals or initiatives as necessary.
4. Status update on South Coast AQMD's state and federal legislative agenda at periodic intervals.
5. Status update on the health studies related to air pollutants.
6. Update on FY 2022-23 Draft Budget and Work Program.
7. Update on Clean Fuels Program.
8. Status update on Technology Advancement projects.
9. Update on Greenhouse Gas-related activities.
10. Updates on South Coast AQMD's Incentive programs.
11. Updates on South Coast AQMD's implementation of Office of Environmental Health Hazard Assessment's (OEHHA's) updated methods for estimating cancer risks.
12. Updates on proposed rule amendments for 2022.
13. Update on Best Available Control Technology Guidelines.
14. Status update on permit backlog reduction.
15. Update on AB 617 progress.
16. Update on MATES V.
17. Compliance & Enforcement programs and policies, including inspections, fines, and notices on the Facility Information Detail (FIND) online tool.
18. Update on OEHHA's and California Air Resources Board's (CARB's) presentations on addressing unassessed chemicals and using provisional health values.

19. Discussion on the submittal of letter(s) of recommendation(s) to support South Coast AQMD's positions, comments or testimonies, if applicable.
20. U.S. Environmental Protection Agency's Emissions During Periods of Startup, Shutdown, & Malfunction (SSM) provisions.
21. Overview of Rule 317: Fee Equivalency Account Reconciliation Report.
22. Briefing(s) from CARB on Zero-Emission Forklifts regulation.
23. Updates on Rule 219: Equipment Not Requiring a Written Permit Pursuant to Regulation II.
24. Presentation by RadTech International on recent technological developments for Ultraviolet (UV)/Electron Beam (EB)/Light-Emitting Diode (LED) curable technology and disinfection systems.
25. Presentation and updates on CARB's Environmental Justice Committee managing the AB 32 Scoping Plan.
26. Discussion on Port of Long Beach and Port of Los Angeles (Memorandum of Understanding-MOU).
27. Discussion on containment with regards to the odor issues in the City of Vernon with an update on rule implementation.
28. Presentation on the status of the Quemetco facility.

The approved minutes, reflecting the discussions, will be forwarded to the Administrative Committee and the Governing Board. Not all items may be covered due to time constraints. The LGSBA Chair may also make further changes to accommodate requests received or cover issues not anticipated at the beginning of the year.

AB 2766 MOTOR VEHICLE SUBVENTION FUND

FY 2019-20 Annual Report

Local Government Small
Business Assistance
Advisory Group
January 14, 2022



1

PURPOSE OF REPORT

Annual Program
Update

- Use of Motor Vehicle Fees
- Program Results



2



BACKGROUND

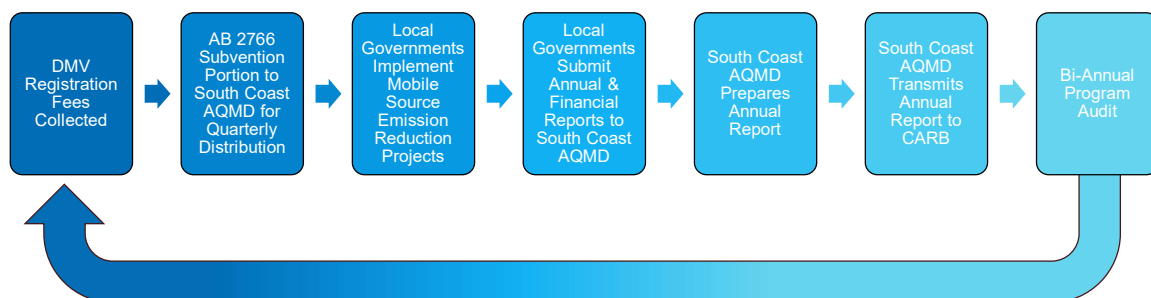
- Adopted in 1990
- DMV collects a \$6 Motor Vehicle Registration Fee
 - \$2 → Carl Moyer Program
 - \$1.60 → **Local Government Subvention Fund (this program)**
 - \$1.20 → MSRC Discretionary Fund
 - \$1.20 → South Coast AQMD Program Funds
- 162 local governments receive quarterly distribution based on population
- Jurisdictions annually report spending and emission reductions
 - 11 project categories
- South Coast AQMD compiles data for Annual Report

3

3



PROGRAM CYCLE



4

4



PROGRAM SUMMARY

162 Local
Governments
Participated

371 Projects
Implemented

237 Projects with
Quantified
Emission
Reductions

\$21.5M in Motor
Vehicle Fees
Received

\$24.5 M in
Project Spending

132 Tons/year of
Emissions
Reduced

5

5



PROGRAM HISTORY* (\$M)

Fiscal Year	Beginning Balance	MV Fees Received	Project Spending	Ending Balance	Pre-Designated Funds	Funds Remaining
2015-16	\$45.8	\$22.1	\$19.2	\$48.8	\$34.0	\$14.9
2016-17	\$52.7	\$22.6	\$17.7	\$57.6	\$49.3	\$8.4
2017-18	\$57.6	\$21.8	\$19.0	\$60.4	\$51.3	\$9.1
2018-19	\$60.1	\$22.1	\$19.0	\$64.4	\$56.5	\$7.9
2019-20	\$62.7	\$21.5	\$24.5	\$60.9	\$54.5	\$6.4

* Totals may vary due to rounding

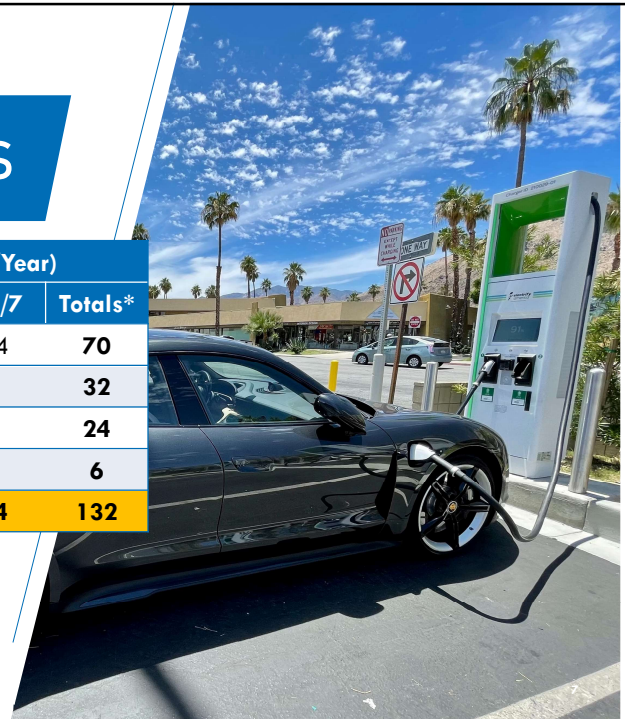
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EMISSION REDUCTIONS

County	Emission Reduced (Tons/Year)				
	ROG	NOx	PM 2.5	CO/7	Totals*
Los Angeles	15	22	9	24	70
Orange	6	13	4	9	32
Riverside	5	6	4	9	24
San Bernardino	2	2	1	2	6
Totals*	28	43	17	44	132

* Totals may vary due to rounding



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FY 2019-20 PROJECT IMPLEMENTATION & EMISSION REDUCTIONS



Project Category	No. of Projects	No. of Projects Quantified	% of Projects Quantified	Emissions Reduced (Lbs/yr)	Cost-Effect. (\$/lb)**
Transportation Demand Management	69	62	90%	172,479	\$31.67
Traffic Management	50	32	64%	48,735	\$8.58
Alternative Fuels/ Electric Vehicles	131	82	63%	13,870	\$79.48
PM Reduction Strategies	16	16	100%	12,341	\$59.41
Public Transportation	27	22	81%	10,380	\$62.10
Miscellaneous	24	6	25%	4,592	\$10.01
Bicycles	21	15	71%	729	\$81.65
Land Use	14	1	7%	325	\$24.02
Vehicle Emissions Abatement	1	1	100%	204	\$7.80
Public Education	18	0	0%	NA	NA
Totals:*	371	237	64%	263,654	\$32.15

* Totals may vary due to rounding

** Cost-effectiveness calculation methodology for local govt. spending of AB 2766 funds differs from Carl Moyer method

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PROGRAM OUTREACH

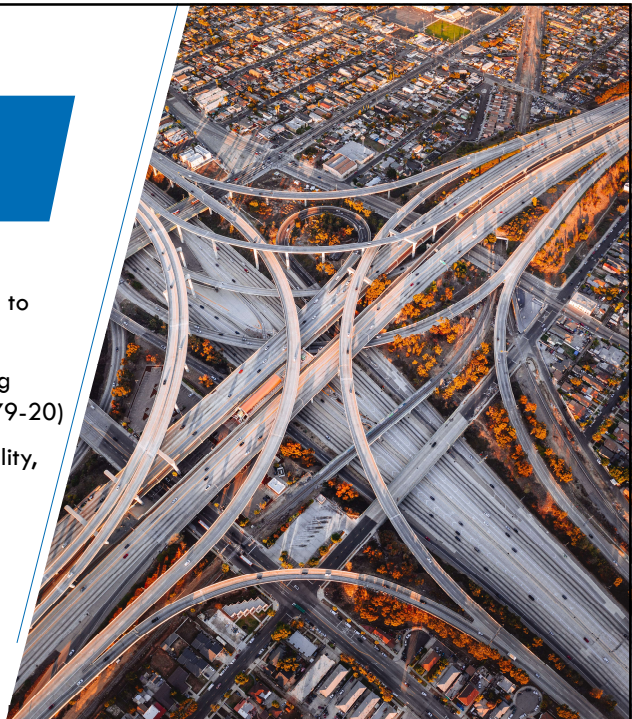
- Online training sessions throughout January & February
 - Project Eligibility
 - Emission Analysis
 - Accounting Requirements
- Encourage fund leveraging
- COG Briefings



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GOING FORWARD

- Submit FY2019-20 Report to CARB
- Develop and Implement Online Reporting Portal to replace old Access File format
- Reexamine AB 2766 Resource Guide considering state and local zero emission goals (e.g. EO N-79-20)
- Continue to advise jurisdictions on project eligibility, including:
 - Vehicle purchases
 - EV Charging Infrastructure
 - Remote Work



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11

PROPOSED UPDATES TO BEST AVAILABLE CONTROL TECHNOLOGY GUIDELINES

Local Government & Small Business Assistance
Meeting
January 14, 2022

1



Agenda

- February 2021 Adopted LAER/BACT Guidelines
- Proposed New/Updates to Part B
- Proposed New/Updates to Part D
- Proposed Amendments to Overview, Parts A and C
- Other BACT Updates
- Next Steps

2

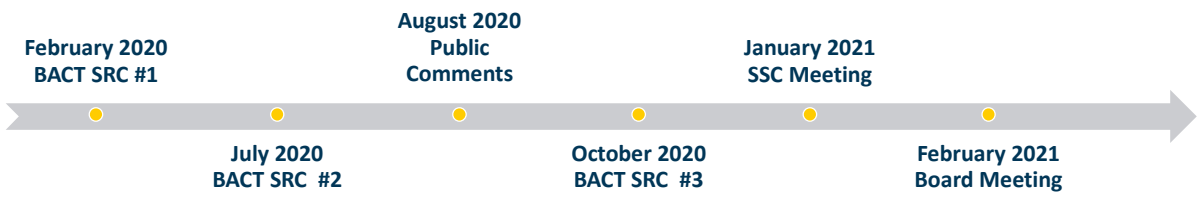
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February 2021 Adopted LAER/BACT Guidelines

- Administrative changes to Table of Contents, Overview, Parts A, C, D, and E
- Part B, Major Polluting Facilities (LAER/BACT) – Section I
 - Seven new & one updated listings
- Part C, Policy and Procedures: Non-major Polluting Facilities
 - Update maximum cost effectiveness criteria
- Part D, Non-Major Polluting Facilities (BACT)
 - Four new & three updated listings and clarifications/updates to existing listings

BACT Guidelines Update Process



3 LGSBA Meeting – January 14, 2022

3



Upcoming Update to LAER/BACT Guidelines

- Administrative changes to Table of Contents, Overview, Parts A, C, and D
- Part B, Major Polluting Facilities (LAER/BACT) – Section I and Section II
 - Four new & three updated listings
- Part C, Policy and Procedures: Non-major Polluting Facilities
 - Update maximum cost effectiveness criteria
- Part D, Non-Major Polluting Facilities (BACT)
 - Two new listings and clarifications/updates to existing listings

BACT Guidelines Update Process



4 LGSBA Meeting – January 14, 2022

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Part B- LAER/BACT Determination Section I: Proposed Listing Update



➤ Boiler, Fire-Tube, Natural Gas Fired <20 MMBTU/HR

- Achieved In Practice Example (PTO: Apr. 2020)
 - Boiler with Low NOx Burner
 - Max Heat Input Rate: 8.4 MMBTU/HR
 - Boilers are used to heat up the process water to keep the bacterial culture used to ferment the ethanol at the optimal temperature.
- Emission Limits:

Emissions *	Current LAER Limit	Source Test	Proposed LAER Limit
NOx (ppmv)	12	5.7	7
CO (ppmv)	50	0.0**	50

* @ 3% O₂ dry

** @ Full load dry (below the detection limit)

- Source testing was performed in 2020
 - Method 100.1



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LGSBA Meeting – January 14, 2022

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Part B- LAER/BACT Determination Section I: Proposed Listing Update



➤ Rotary Dryer, Aggregate Facility

- Achieved In Practice Example (PTO: Jan. 2017)
 - Low NOx Burner - Gencor Equinox Natural Gas Fired Burner
 - Max Heat Input Rate: 135 MMBTU/HR
 - Rotary dryer is used to dry raw aggregate/recycled asphalt products and shingles
- Emission Limits:

Emissions *	Current LAER Limit	Source Test	Proposed LAER Limit
NOx (ppmv)	33	29	33

* @ 3% O₂ on a dry basis

- Source test was performed in 2016
 - Method 100.1

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LGSBA Meeting – January 14, 2022

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Part B- LAER/BACT Determination Section I: Proposed Listing Update



➤ Rotary Dryer, Aggregate Facility

- Achieved In Practice Example (PTO: Jan. 2017)
 - Low NOx Burner (ASTECC Natural Gas Fired Burner)
 - Max Heat Input Rate: 125 MMBTU/HR
 - Rotary dryer is used to dry gravel/asphalt/rubber
- Emission Limits:

Emissions *	Current LAER Limit	Source Test	Proposed LAER Limit
NOx (ppmv)	33	24.2	33

* @ 3% O₂ on a dry basis

- Relative Accuracy Test Audit was performed in 2017
 - Method 100.1



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Part B- LAER/BACT Determination Section I: Proposed Listing Update



➤ Roller Coater – Paper and Film, with RTO for VOC Control

- Achieved In Practice Example (PTO: Dec. 2016)
 - Manufacturing process involves casting of a vinyl film and application of the adhesive on the film
 - Coatings are applied in PTEs for 100% collection, which are vented to RTO
 - Three flow coaters vented to RTO with permit requirement of 1500F minimum temperature and 97% overall control efficiency
- Source test was performed in 2016
 - 98.9% overall control efficiency
 - Methods 25.1/25.3



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Part B- LAER/BACT Determination

Section I: Proposed New Listing



- **I.C. Engine– Stationary, Non-Emergency with SCR, NG Fired**
 - Achieved In Practice Example (PTO: Aug. 2019)
 - Cogeneration unit, rated at 1,573 BHP
 - Lean Burn engine with SCR
 - Emission Limits:
 - Comply with Rule 1110.2 for NOX, CO and VOC
 - Ammonia limit: 10 ppm @ 15% O₂
 - Source test was performed in 2019
 - Method 100.1 for NOX and CO
 - Method 207.1 for ammonia slip



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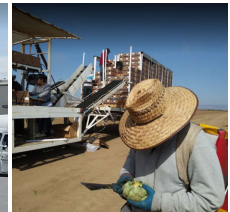
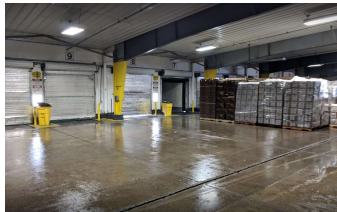
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Part B- LAER/BACT Determination

Section II: Proposed New Listing



- **Fumigation - Methyl Bromide Fumigation Chamber \geq 100,000 lb-CH₃Br/year**
 - Achieved In Practice Example (PTO: Feb. 2014)
 - San Luis Obispo County APCD
 - Using methyl bromide to fumigate vegetables/fruits prior to cooling and shipping
 - 86% overall control efficiency (Carbon Adsorption)
 - Source test was performed in 2013



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Part B- LAER/BACT Determination

Section II: Proposed New Listing



- **I.C. Engine-Compression Ignition $\geq 1,000$ BHP, Stationary Emergency including Non-Agricultural and non-direct drive fire Pump**
 - Bay Area AQMD has established a BACT guideline that requires the engines to meet the U.S. EPA's Tier 4 emissions standards
 - Achieved In Practice Example: MWH Data Center, Quincy, WA (2019)
 - 3.0, 1.5 and 1 MW diesel engines (compliance through source test)

- **Proposed BACT/LAER**

- Applies to Major Sources (Title V) and compliance achieved through:

- Tier 4 Final Compliant ICE; or
- EPA-Certified Tier 4 Final ICE

- Source Test Requirements:

- Tier 4 Final Compliant ICE: One-time Initial test 5-mode weighted avg. D2 cycle and follow up testing every 3 years is required
- EPA-Certified Tier 4 Final ICE: No test required



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Part D- BACT Determination

Proposed New Listing



- **I.C. Engine– Stationary, Non-Emergency, Electrical with SCR, NG Fired**
 - Achieved In Practice Example (PTO: Aug. 2019)
 - Cogeneration unit, rated at 1,573 BHP
 - Lean Burn engine with SCR
 - Emission Limits:
 - Comply with Rule 1110.2 for NOX, CO and VOC
 - Ammonia limit: 10 ppm @ 15% O₂
 - Source test was performed in 2019
 - Method 100.1 for NOX, CO and VOC
 - Method 207.1 for ammonia slip




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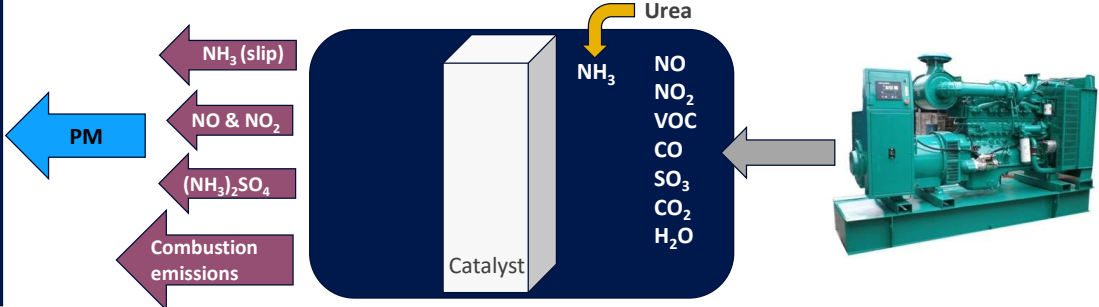
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Part D- BACT Determination Proposed New Listing




- **I.C. Engine– Stationary, Non-Emergency, Electrical with SCR, NG Fired**
 - Cost-effectiveness Evaluation {work in progress}
 - Baseline: 20 ppm (based on 20 ppm ammonia slip limit on boiler SCR)
 - Proposed ammonia slip BACT limit: 10 ppm
 - Ammonium sulfate as precursor for PM to be used for cost effectiveness



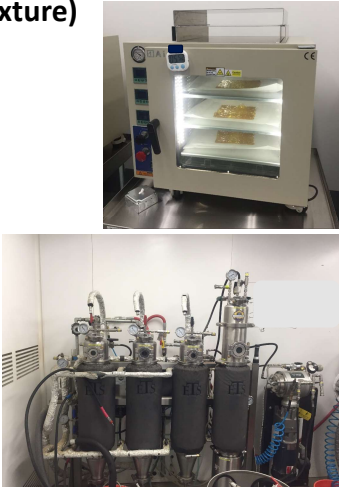
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Part D- BACT Determination Proposed New Listing



- **Cannabis Extraction/Processing (Butane/Propane Mixture)**
 - Achieved In Practice Examples:
 - Facility 1
 - Facility 2
 - Source testing was performed on Facility 1
 - Source testing on Facility 2 to be scheduled
 - VOC Recovery Efficiency: ≥ 90% - 95% {work in progress}
 - Cost-effectiveness Evaluation {work in progress}



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Other BACT Updates



Overview, Part A and Part C

- Staff is proposing to add a narrow BACT exemption for non-ozone precursor emission increases associated with air pollution control (APC) equipment installations to comply with NOx BARCT standards
- Other air districts in California have a similar BACT exemption for sources that are complying with a BARCT requirement
- **BACT Exemption (PAR 1304)**
 - (f)(1) Upon approval by the Executive Officer or designee, new or modified permit unit(s) to install add-on APC equipment for control of NOx emissions, shall be exempt from the BACT requirement of Rule 1303(a)(1) for any associated increase in PM₁₀ and/or SOx emissions caused by the operation of the add-on APC equipment provided ...
- BACT policy will be updated based on amended Rule 1304
- Update Maximum Cost Effectiveness values

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Other BACT Updates



- **Updates for Consistency with Rules and Regulations**
 - Rules 1134, 1147, 1147.1, 1147.2, and 1304
 - Reg XIII and XX
 - Clarifications to Part D listings – more user friendly
- **BACT Technical Assessment for Biogas Flares**
 - Continue to monitor new/existing organic and food waste digestion and co-digestion flare projects for ammonia NOx impacts

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Next Steps



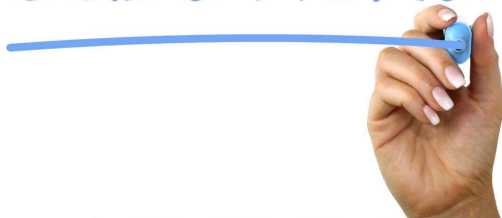
- Third BACT Scientific Review Committee meeting
- Latest updates available on BACT webpage www.aqmd.gov/home/permits/bact/guidelines
- BACT Guidelines is a continually evolving document

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QUESTIONS



Thank You

CONTACTS

	Bhaskar Chandan	Al Baez	Bahareh Farahani
	(909) 396-3902	(909) 396-2516	(909) 396-2353
	bchandan@aqmd.gov	abaez@aqmd.gov	bfarahani@aqmd.gov
	www.aqmd.gov		

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