



South Coast Air Quality Management District

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

**Updated:
8/22/24**

RESCHEDULED HYBRID ENVIRONMENTAL JUSTICE ADVISORY GROUP

Advisory Group Members

Veronica Padilla-Campos, Advisory Group Chair
Chair Vanessa Delgado
Supervisor Curt Hagman
Mayor José Luis Solache

Elizabeth Alcantar
Manuel Arredondo
Pamela Atcitty
Angelica Balderas
Dr. Lawrence Beeson
Suzanne Bilodeau
Ada Briceño
Paul Choe
Kerry Doi
Lisa Hart
Dr. Afif El-Hasan

Mary Figueroa
Angela Garcia
Kareem Gongora
Ana Gonzalez
Dr. Jill Johnston
Humberto Lugo
Edward Marquez
Oscar Rodriguez
Donald Smith
Rafael Yanez

A meeting of the South Coast Air Quality Management District ENVIRONMENTAL JUSTICE ADVISORY GROUP will be **Rescheduled from August 23, 2024 to August 30, 2024** at 12:00 PM through a hybrid format of in-person attendance in Conference Room CC-2 at the South Coast AQMD Headquarters, 21865 Copley Drive, Diamond Bar, California, and remote attendance via videoconferencing and by telephone.

TELECONFERENCE LOCATIONS

Veronica Padilla-Campos
Pacoima Beautiful
13520 Van Nuys Blvd Ste 200
Pacoima, CA 91331

Please refer to South Coast AQMD's website for information regarding the format of the meeting, updates if the meeting is changed to a full remote via webcast format, and details on how to participate:
<http://www.aqmd.gov/home/news-events/meeting-agendas-minutes>

INSTRUCTIONS FOR ELECTRONIC PARTICIPATION AT BOTTOM OF AGENDA

Join Zoom Webinar Meeting - from PC or Laptop
<https://scaqmd.zoom.us/j/93205196343>

Zoom Webinar ID: 932 0519 6343 (applies to all)

Teleconference Dial In
+1 669 900 6833

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)). If you wish to speak, raise your hand on Zoom or press Star 9 if participating by telephone. 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 total for all items on the agenda.

CALL TO ORDER

- Roll Call
- Opening Remarks

DISCUSSION/ACTION ITEMS (Item 1 and 2):

1. **Approval of February 23, 2024, Meeting Minutes**
(Motion Required)
[Attachment 1]

Veronica Padilla-Campos
Advisory Group Chair

- Approval of May 24, 2024, Meeting Minutes**
(Motion Required)
[Attachment 2]

Veronica Padilla-Campos
Advisory Group Chair

2. **Review of Follow-Up/Action Items**
(No Motion Required)
Staff will review the follow-up/action items identified in the May 24, 2024, meeting.

Derrick Alatorre
*Deputy Executive Officer,
Legislative, Public Affairs & Media*

DISCUSSION ITEMS (Items 3 and 4):

3. **Climate Pollution Reduction Grant (CPRG) Comprehensive Climate Action Plan (CCAP) for the Los Angeles – Long Beach – Anaheim Metropolitan Statistical Area [Attachment 3]**

Update on the development of the CPRG CCAP and to seek input on measures to reduce greenhouse gas emissions with co-benefits for criteria pollutants.

Ryan Wolfe
*Manager of Sustainable & Resilient Development,
Southern California Association of Governments*

4. **Go Zero Pilot Program for Residential and Commercial Building Appliances Program [Attachment 4]**

Staff will provide an overview and update on the Residential and Commercial Building Appliances Pilot Program Go Zero.

Michael Krause
*Assistant Deputy Executive Officer,
Planning, Rules Development and Implementation*

OTHER MATTERS:

5. **Member Updates/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)

All

6. **Public Comment**

Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3. At the end of the regular meeting agenda, an opportunity is provided for the public to speak on any subject within the body's authority that is not on the agenda. Speakers may be limited to three (3) minutes each.

All

7. **Next Meeting Date** – Thursday, November 14, 2024

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 body after the agenda is posted, are available by contacting Monika Kim at (909) 396-2342, or send the request to mkim@aqmd.gov.

Americans with Disabilities Act and Language Accessibility

Disability and language-related accommodations can be requested to allow participation in the Environmental Justice 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 South Coast AQMD. Please contact Monika Kim at (909) 396-2342 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to mkim@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 “Raise Hand” button on the bottom of the screen.
- 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 “Raise Hand” button on the bottom of your screen.
- 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.



South Coast Air Quality Management District

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

MEETING OF THE ENVIRONMENTAL JUSTICE ADVISORY GROUP FRIDAY, FEBRUARY 23, 2024 MEETING MINUTES

Board Members Present:

Chair Vanessa Delgado
Supervisor Curt Hagman
Mayor José Luis Solache

Members Present:

Pamela Atcitty
Elizabeth Alcantar
Dr. Lawrence Beeson
Paul Choe
Kerry Doi
Dr. Afif El-Hasan
Mary Figueroa
Angela Garcia
Ana Gonzalez
Lisa Hart
Oscar Rodriguez
Rafael Yanez

Members Absent:

Veronica Padilla-Campos, Advisory Group Chair
Manuel Arredondo
Angelica Balderas
Ada Briceño
Suzanne Bilodeau
Kareem Gongora
Dr. Jill Johnston
Humberto Lugo
Edward Marquez
Donald Smith

South Coast AQMD Staff:

Lisa Tanaka, Assistant Deputy Executive Officer/Legislative, Public Affairs & Media
Nicholas Sanchez, Assistant Chief Deputy Counsel, Legal

Philip Crabbe III, Sr. Public Affairs Manager/Legislative, Public Affairs and Media
Alicia Lizarraga, Sr. Public Affairs Manager/Legislative, Public Affairs and Media
Monika Kim, Public Affairs Manager/Legislative, Public Affairs & Media
Evangelina Barrera, Senior Public Affairs Specialist/Legislative, Public Affairs and Media
Brandee Keith, Senior Public Affairs Specialist/Legislative, Public Affairs and Media
Dan Garcia, Planning & Rules Manager/Technology Advancement Office
Walter Shen, Planning & Rules Manager/Technology Advancement Office
Frances Maes, Air Quality Specialist/Technology Advancement Office
Kristina Voorhees, Assistant Air Quality Specialist/Technology Advancement Office

Call To Order/Opening Remarks

Chair Vanessa Delgado called the meeting to order at 12:06 p.m. For additional details, please refer to the webcast at [8:00](#).

Agenda Item #1: Approval of the November 16, 2023 Meeting

Supervisor Curt Hagman moved to approve Agenda Item 1. Dr. Lawrence Beeson seconded the motion. Motion passed.

Ayes: Delgado, Hagman, Solache, Atcitty, Alcantar, Beeson, Choe, Doi, El-Hasan, Figueroa, Gonzalez, Yanez

Absent: Padilla-Campos, Arredondo, Balderas, Briceño, Bilodeau, Gongora, Johnston, Lugo, Marquez, Smith

Agenda Item #2: Review of Follow-Up/Action Items

There were no action items from prior meetings for review.

Agenda Item #3: 2023 Summary Report on State and Federal Legislation

Philip Crabbe III, Sr. Public Affairs Manager, Legislative, Public Affairs and Media, presented an overview of 2023 Summary Report on State and Federal Legislation.

Rafael Yanez asked for further information regarding the Climate Pollution Reduction Grants (CPRG) and what South Coast AQMD is currently pursuing. Ms. Tanaka provided information on South Coast AQMD's regional CPRG application focused on goods movement. Mr. Yanez asked whether AB 617 communities would be considered for projects and receive any of the CPRG grant funding. Ms. Tanaka responded that if South Coast AQMD received a CPRG grant, AB 617 communities would be eligible for potential projects.

Ana Gonzalez asked to discuss support of California Assembly Constitutional Amendment 16 (ACA 16) and recommended staff review it and send a letter of support in favor of the amendment. Chair Delgado requested the Amendment be revisited during member updates so it could be agendaized for a future meeting.

Mayor Elizabeth Alcantar asked for clarification regarding the Clean Ports Program and eligible communities. Ms. Tanaka reported that the South Coast AQMD CPRG proposal includes the entire region and that the Ports are developing their applications for the Clean Ports Program.

For more information, refer to webcast at [13:12](#).

Agenda Item #4: Lower-Emission School Bus Program

Kristina Voorhees, Assistant Air Quality Specialist, Technology Advancement Office, presented on the Lower-Emission School Bus Program.

Supervisor Hagman asked why school buses had not already been subject to transition requirements and deadlines. Walter Shen, Planning and Rules Manager, Technology Advancement Office explained school buses were subject to the truck and bus regulation but had been granted a compliance extension.

Dr. Beeson asked if the program was a scrap-and-replace program and what happened with the resulting scrap. Mr. Shen confirmed it is a scrap-and-replace program and the resulting materials become the responsibility of the dismantler.

Dr. Afif El-Hasan asked whether school districts receiving lower-emission buses were monitoring student attendance. Improved school attendance would provide a financial incentive for school districts to support the program. He followed up by asking whether any of the lower-emissions buses would be funded for vehicles specifically assigned for transporting children with health concerns and conditions. Mr. Shen replied that it would be taken into consideration and the main focus is currently on lower-income, environmental justice communities.

Bobbi Jo Chavarria with the Sierra Club commented in support of school bus transition and developed infrastructure to support the use of lower-emission buses.

Ms. Gonzalez asked whether the number of buses allocated to different regions was based on population or on the number of applications received. Mr. Shen responded that they are based on number of applications received, with consideration given to population and equity.

Oscar Rodriguez asked what struggles districts faced in the application process and approval. Mr. Shen said the current major obstacle is a lack of infrastructure support.

Mr. Yanez asked if the funding was available only to districts who managed their own school buses, or if districts working with outside parties to provide transportation services were also eligible. Ms. Voorhees responded that typically, South Coast AQMD works only with school districts.

Chair Delgado asked if there was any local match requirement for funding. Mr. Shen responded that there is none.

For more information, refer to webcast at [36:00](#).

Agenda Item #5: AB617 Residential Air Filtration Program

Frances Maes, Air Quality Specialist, Technology Advancement Office, presented on the AB 617 Residential Air Filtration Program.

Dr. El-Hasan asked if the HEPA filters also included a carbon filter. Ms. Maes confirmed that they do.

Ms. Gonzalez asked why the San Bernardino/Muscoy AB 617 community had not been included in the program. Mr. Garcia, Planning and Rules Manager, Technology Advancement Office, stated that the San Bernardino/Muscoy Community Steering Committee (CSC) opted not to allocate funding toward air filtration, but the program could be pursued in the future if interest is expressed. There is a separate pilot program for air filters in place in San Bernardino currently.

Angela Garcia asked for information regarding the types of available air filtration units. There are multiple models of air filters available through the program, ranging in capacity to cover an average room to a small house. Ms. Garcia also asked how outreach was conducted to residents and communities. South Coast AQMD staff are working with community partners participating in AB 617 CSCs to conduct outreach.

Kerry Doi asked if staff have encountered reluctance from communities, and if so, how it could be overcome. Mr. Garcia stated that community events have helped to build confidence with the communities, as well as working closely with the AB 617 CSCs.

Dr. El-Hasan asked whether there were any plans to distribute follow-up questionnaires to assess the effectiveness and related health impacts of participation in the program. Mr. Garcia responded that there is an opportunity to collect follow-up responses and feedback.

Mr. Yanez asked if the program utilizes AB 617 Year 3 funds. Ms. Maes confirmed the program uses Year 3 funds. He highlighted the importance of the program and asked if the air filters would affect electricity costs for users. Dr. El-Hasan added that air filtration can assist with medical issues and that doctors can provide documentation to potentially receive a utility discount.

For more information, refer to webcast at [53:29](#).

Agenda Item #6: Member Updates/Other Business

Dr. El-Hasan shared the results of a recent report by the American Lung Association describing the health benefits for children if the State of California adopted all-electric vehicle policies. For more information, refer to webcast at [1:16:58](#).

ACTION ITEM: Ms. Gonzalez requested an update on the progress of the Warehouse Indirect Source Rule to be presented at a future meeting.

ACTION ITEM: Include discussion and possible action regarding ACA 16 as a future agenda item.

Agenda Item #7: Public Comment

There were no public comments.

Agenda Item #8: Next Meeting Date

The next regular EJAG meeting date is May 24, 2024.

Adjournment

Chair Delgado adjourned the meeting at 1:20 p.m.



South Coast Air Quality Management District



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

MEETING OF THE ENVIRONMENTAL JUSTICE ADVISORY GROUP FRIDAY, MAY 24, 2024 MEETING MINUTES

Board Members Present:

Advisory Group Chair Veronica Padilla-Campos
Senator Vanessa Delgado (Ret.), Chair
Board Member Curt Hagman
Board Member José Luis Solache

Members Present:

Manuel Arredondo
Dr. Lawrence Beeson
Suzanne Bilodeau
Lisa Hart
Dr. Afif El-Hasan
Kareem Gongora
Ana Gonzalez
Rafael Yanez

Members Absent:

Elizabeth Alcantar
Pamela Atcitty
Angelica Balderas
Ada Briceño
Paul Choe
Kerry Doi
Mary Figueroa
Angela Garcia
Dr. Jill Johnston
Humberto Lugo
Edward Marquez
Oscar Rodriguez
Donald Smith

South Coast AQMD Staff:

Lisa Tanaka, Assistant Deputy Executive Officer/Legislative, Public Affairs & Media
Nicholas Sanchez, Assistant Chief Deputy District Counsel/Legal
Anissa Heard-Johnson, Deputy Executive Officer/Diversity, Equity, & Inclusion

Ian MacMillian, Assistant Deputy Executive Officer/Planning, Rule Development, & Implementation,
Vicki White, Planning & Rules Manager Transportation Programs/Planning, Rule Development, & Implementation,
Philip Crabbe, Senior Public Affairs Manager/Legislative, Public Affairs & Media
Alejandra Vega/Senior Public Affairs Specialist/Legislative, Public Affairs & Media

Call To Order/Opening Remarks

Mayor Solache called the meeting to order at 12:06 p.m., and roll call was taken. Based on the number of members present, there was not a quorum.

Agenda Item #1: Approval of the February 23, 2024, Meeting Minutes:

Due to lack of quorum, this item was continued to the next meeting.

Agenda Item #2: Review of Follow-Up/Action Items

For more information, refer to webcast at [11:30:00](#).

Ms. Tanaka reviewed the action items from the February 24, 2024, meeting:

1. Include discussion on ACA 16 (Bryan) - Environmental Rights.
This item was included in the agenda.
2. Provide and update on Warehouse Indirect Source Rule (ISR).
This item was included in the agenda.

Agenda Item #3: California Assembly Constitutional Amendment (ACA) 16 (Bryan) – Environmental Rights

For more information, refer to webcast at [12:20:00](#).

Mr. Crabbe III presented an update regarding California ACA 16 authored by Assemblymember Isaac Bryan.

Ms. Gonzalez clarified that New York overwhelmingly passed a similar piece of legislation in 2022.

Agenda Item #4: Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program Update

For more information, refer to webcast at [16:46:00](#).

Ms. White provided an update on the WAIRE program.

Mr. Gongora asked if there are strategies being utilized in the region or partnerships with other agencies to bring the businesses into compliance and if staff were conducting warehouse visits. Ms. White responded that there are a lot of resources and staff designated to this rule, including short videos on the South Coast AQMD's website, providing regular updates to the AB 617 Community Steering Committees (CSC), and presentations to businesses. There are approximately 3,400 facilities subject to the rule, and about 70 site visits are conducted per week.

Dr. El-Hassan asked how long trucks are idling about agreements in place with warehouses. Ms. White responded that the California Air Resources Board (CARB) is responsible for truck idling and that the South Coast AQMD has been working closely with CARB, especially through the AB 617 program, and have also helped install no idling signs.

Ms. Gonzalez stated that a warehouse is being built 100 feet from her house and would like South Coast AQMD to increase enforcement of the rule. Ms. White stated that the rule is for existing warehouses and South Coast AQMD works with cities to provide information on the rule.

Mr. Yanez asked if there was an increase in compliance staff. Mr. MacMillan responded that Ms. White oversees a new team that focuses on implementation, outreach and training.

Mr. Gongora asked where the data can be viewed. Ms. White responded that reporting data is available on the Facility INformation Detail (F.I.N.D.) web tool on aqmd.gov.

Ms. Chavarria of the Sierra Club made a public comment that more guidance to local municipalities would be helpful.

Agenda Item #5: Assembly Bill 617 Implementation Update

For more information, refer to webcast at [1:11:33](#).

Dr. Heard-Johnson provided an update on the implementation of Assembly Bill 617, Community Emission Reductions Plans.

EJAG Chair Padilla-Campos offered to work with staff to take a deeper dive into the community programs that are not being utilized.

Mr. Gongora stated he could help with technical outreach in the Inland Empire.

Ms. Gonzalez stated she would like to see EJ Interagency Task Force come back and to include other agencies to create an open dialogue.

Mr. Arredondo stated that he has been involved in the AB 617 Eastern Coachella Valley (ECV) CSC since the beginning and is happy with the progress that has been made.

Mr. Yanez stated he has been part of the AB 617 East Los Angeles, Boyle Heights, West Commerce (ELABHWC) CSC since the beginning and requested staff increase the number of meetings so that there can be meaningful dialogue.

Ms. Chavarria stated that the missing piece with the community program was the collaboration with local elected officials.

Agenda Item #6: 10th Annual Environmental Justice Conference

For more information, refer to webcast at [2:20:15](#).

Ms. Vega provided an update on the 10th Annual Environmental Justice Conference. Ms. Vega asked the advisory group for any ideas or speaker suggestions.

Agenda Item #7- Member Updates/Other Business

No other business discussed.

Agenda Item #8- Public Comment

Mr. Mark Abramowitz stated that 10 percent of all NOx emissions from electricity are generated from Edison's site in Catalina, and those emissions are regulated under South Coast AQMD's Rule 1135. He requested that EJAG look at the rule and provide a presentation on the status.

Ms. Chavarria stated that the in-person Railyard ISR meetings have been cancelled and moved to virtual meetings. Sierra Club in San Bernardino is working with local clean air advocates to host community led workshops to inform the community of the Railyard ISR.

Agenda Item #9: Next Meeting Date

The next regular EJAG meeting date is Friday, August 23, 2024.

Adjournment

Mayor Solache adjourned the meeting at 2:29 p.m.



LA/OC Comprehensive Climate Action Plan (CCAP)

EJ Advisory Group

August 30, 2024

WWW.SCAG.CA.GOV

Today's agenda

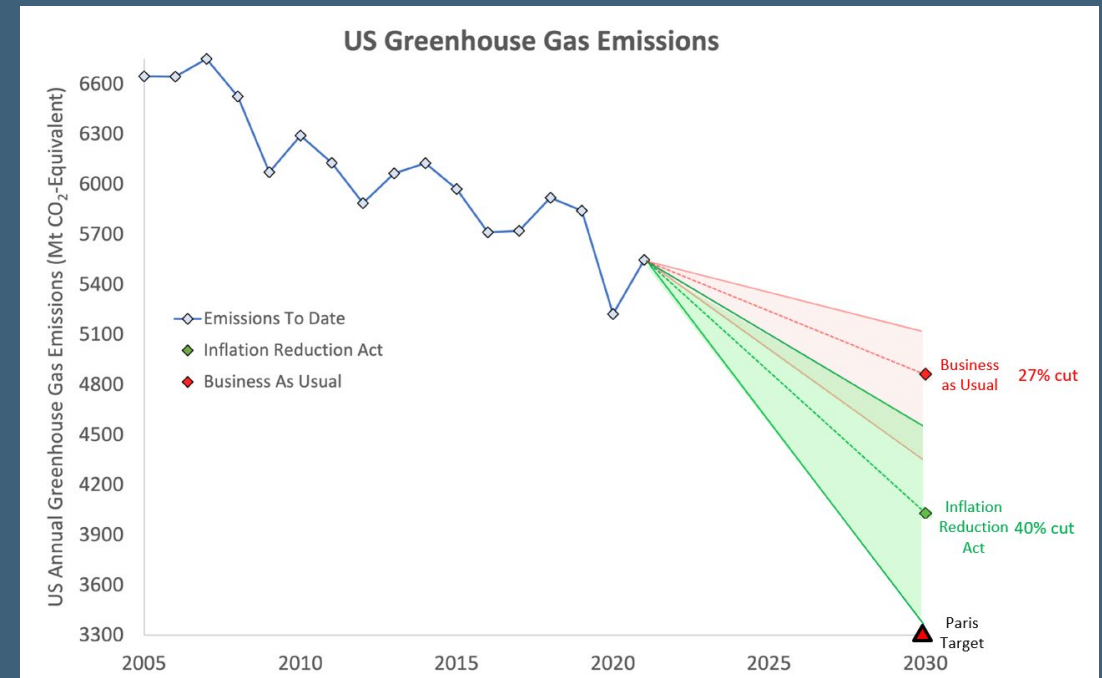
- 1. Provide background on the LA/OC Comprehensive Climate Action Plan (CCAP) process**
- 2. Get your feedback on strategies to reduce emissions, address environmental justice, and support jobs**
- 3. Get your feedback on regional collaboration opportunities and challenges**



CPRG BACKGROUND

The Inflation Reduction Act (IRA)

- **The Inflation Reduction Act (IRA)** makes historic investments in climate action
- **IRA investments will drive significant emissions reductions** over the next decade
- **EPA will play a major role in delivering these programs** and approximately \$41.5 billion in funding



These are EPA's CPRG program objectives

- Reduce climate and air pollution
- Support jobs and lower energy costs
- Address environmental justice



These agencies are facilitating the LA/OC effort



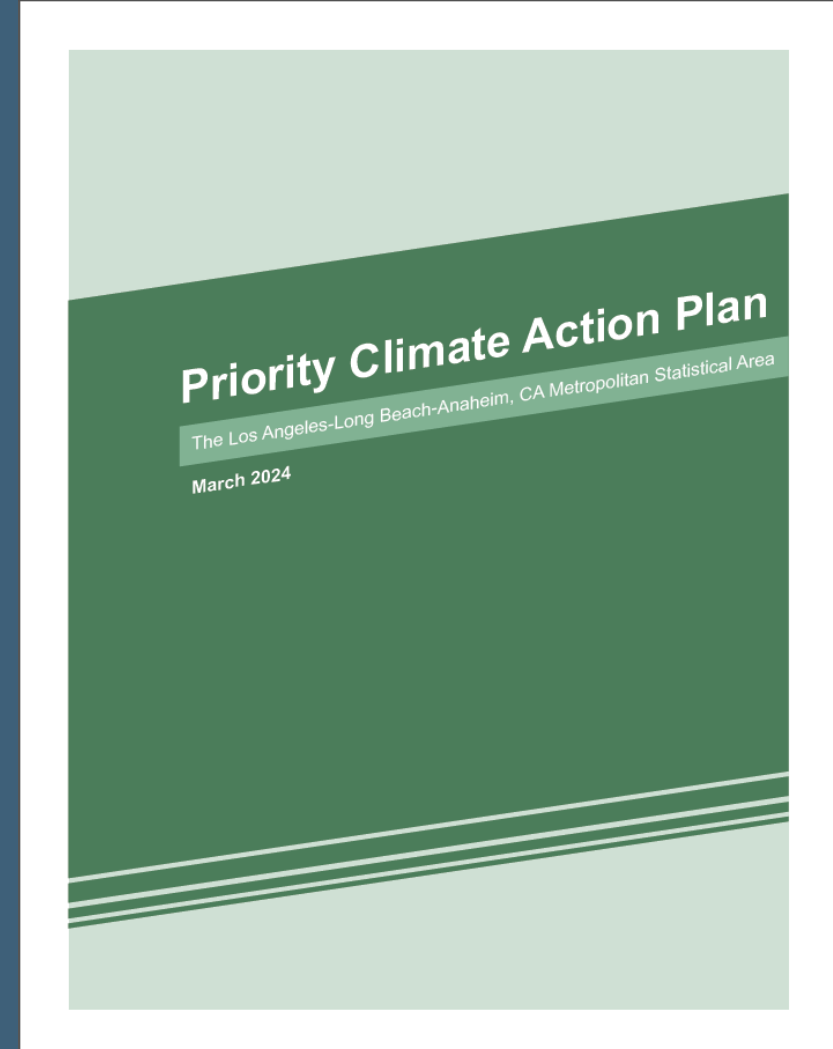
- **County of Orange**
- **County of Los Angeles**
- **SCAG**
- **South Coast AQMD**
- **OCTA**
- **LA Metro**
- **City of LA**
- **City of Long Beach**
- **City of Anaheim**



COMPREHENSIVE CLIMATE ACTION PLAN

Key deliverables for the CPRG planning grants

- **Phase I - Priority Climate Action Plans (PCAPs)**
 - Limited to priority sectors and strategies
 - LA/OC
 - Transportation
 - Energy
 - Waste
- **Phase II – Comprehensive Climate Action Plans (CCAPs)**
 - Broader, multi-sector strategies



The CCAP as a framework to inform regional/local climate planning

The CCAP will:

- Identify strategies that jurisdictions can potentially adopt and implement
- Lift up best practices and policies
- Advance regional collaboration to fund and implement strategies

Early strategies under consideration

- **Transportation** – Transition to zero emissions passenger and freight vehicles, increase transit and related travel, focus on smart growth
- **Energy** – Decarbonize existing and new buildings, increase energy efficiency, increase clean distributed generation, modernize the grid, and sunset oil and gas operations
- **Waste** – Increase diversion of household, commercial, construction, and industrial waste from landfills, and capture and use landfill emissions
- **Water** – Increase water efficiency, use of recycled water and graywater, and prioritize local water sources
- **Carbon removal/sequestration** - Expand urban forest, preserve, restore, and enhance natural lands, and prioritize sustainable agricultural practices

We're seeking your feedback

- Your feedback on strategies
 - Anything that's missing
 - Input on aspects of current draft list of strategies
- Implementation challenges and opportunities
 - Funding
 - Regional collaboration

This is the current timeline



- GHG inventory
- Target setting
- Strategy/measure quantification

- Workforce analysis
- Low-income & Disadvantaged Communities benefits analysis
- Funding analysis

- Draft CCAP
- Final CCAP



DISCUSSION



CONNECT WITH US!

For questions about the CPRG program, please reach out to:

Ryan Wolfe, Manager of Sustainable and Resilient Development: wolfe@scag.ca.gov

Sebastian Shetty, Associate Regional Planner: shetty@scag.ca.gov



South Coast AQMD's Pilot Incentive Program for Zero-Emission Appliances

Michael Krause
South Coast AQMD
Assistant Deputy Executive Officer
Environmental Justice Advisory Group
August 30, 2024

Background

2022 AQMP includes seven control measures for building appliances

- Strong focus on zero-emission standards

Current rulemaking for zero-emission space and water heaters

- Amended Rule 1146.2 in June 2024 for zero-emission large water heaters and small boilers with future implementation dates starting 2026-2033
- Further proposed zero-emission standards for adoption in Q4 2024
 - Proposed Amended Rule 1111 for zero-emission residential and commercial spacing heating
 - Proposed Amended Rule 1121 for zero-emission residential water heating

Zero-Emission Technologies



Electric Resistance

- Uses heating coils to generate heat (similar to toaster oven)



Solar

- Uses energy from the sun to heat water



Fuel cells

- Uses chemical energy to generate electricity that can be used for heat

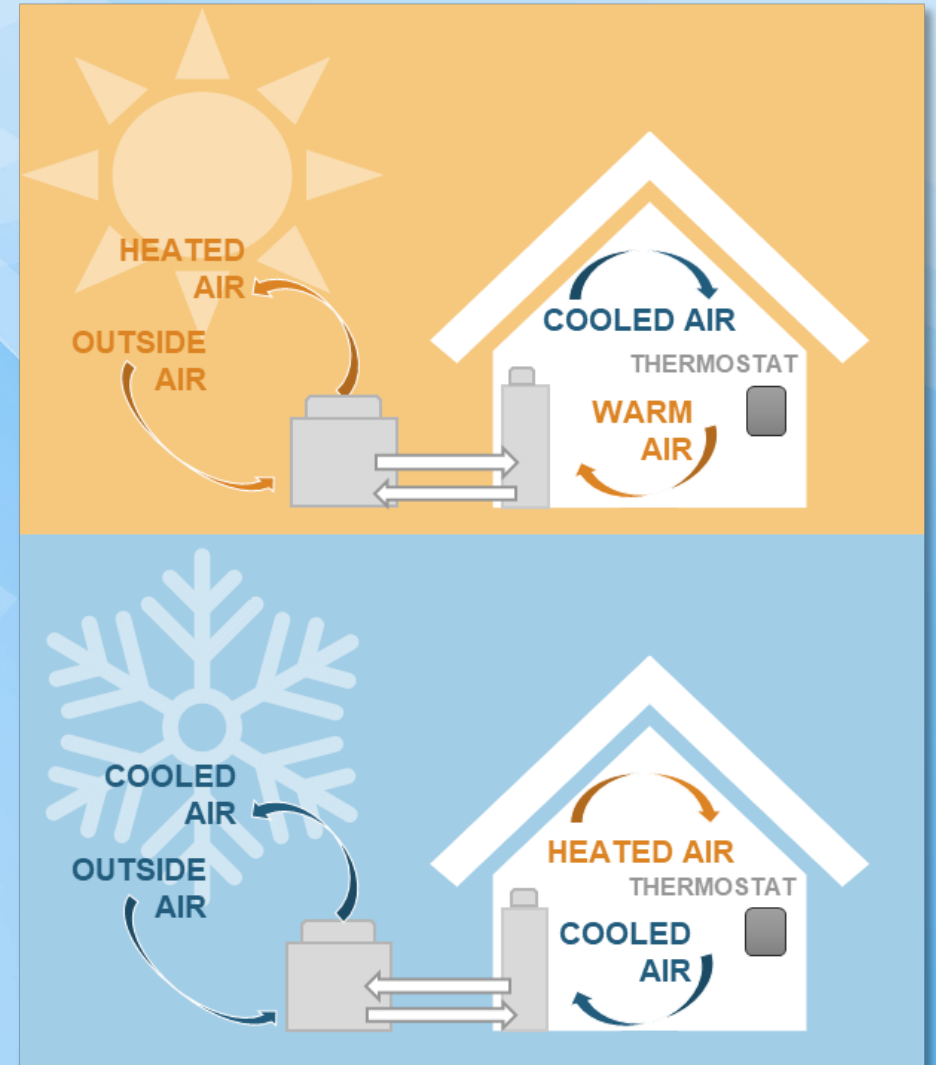


Heat pumps

- Collects heat from air, water, or ground source (similar to an air conditioner)

Space and Water Heater Heat Pumps

- Heat pumps have highest market penetration due to efficiency
 - Can be 3 to 5 times more efficient than conventional unit
 - Results in lower operating costs
- Can provide hot water (heat pump water heaters)



Incentive Programs Are Needed

Residences and businesses would need to meet zero-emission standards upon unit replacement

Hurdles to implementation include costs (e.g., capital, installation, and operational) and consumer acceptance

Incentives are critical to assist overburdened communities, EJ areas, installers, and small businesses in this transition

South Coast AQMD's CLEANair Furnace Rebate Program

The CLEANair Furnace Rebate Program was previously developed to incentivize early adoption of clean furnaces

- \$6.5 million allocated, 25% of funding reserved for overburdened areas
 - **Phase 1** (2018-2019) incentivized low NOx furnaces
 - **Phase 2** (2020-2023) incentivized zero-emission furnaces
- \$1,500 rebate per unit
- Successful program resulted in the installation of 2,500 zero-emission units

BREATHE BETTER AIR AND SAVE WITH NEW CLEANair REBATES

Furnace Type	% Remaining Funds
Full Electric Heat Pump System with Ducted Air Handler	41.22
Ultra Low NOx High Altitude Furnaces	98.97
Ultra Low NOx Weatherized Furnaces	46.07

Are You Eligible for a CLEANair Furnace Rebate?
Check the Fact Sheet Before You Apply. [CLICK HERE](#)

Go Zero – Pilot Incentive Program

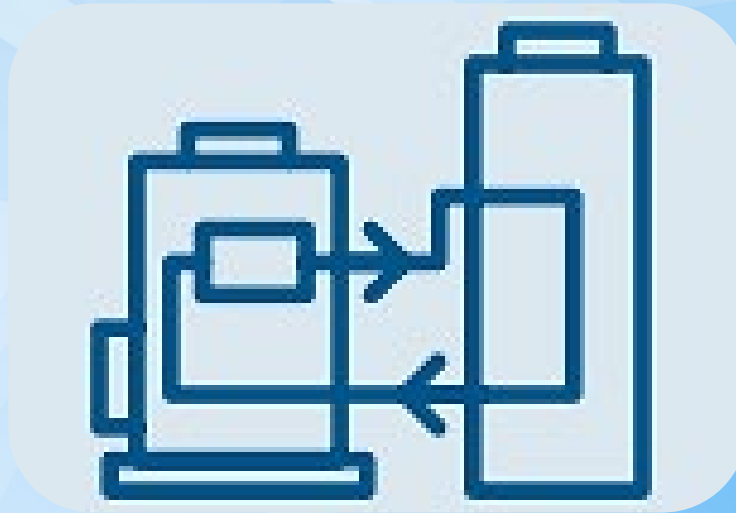
- Staff is proposing an incentive program to help offset costs to replace NOx-emitting appliances with zero-emission units
 - Rebates for single-family, multifamily, and small businesses
 - Allocating 75 percent of rebate funding to overburdened communities
 - Application assistance for residents in overburdened communities
 - Funding for installer training
 - Focus of pilot phase will be on zero-emission space and water heating
 - Implement in phases to allow for program adjustment



Implementation Approach



Held public meetings to gain stakeholder feedback on program details

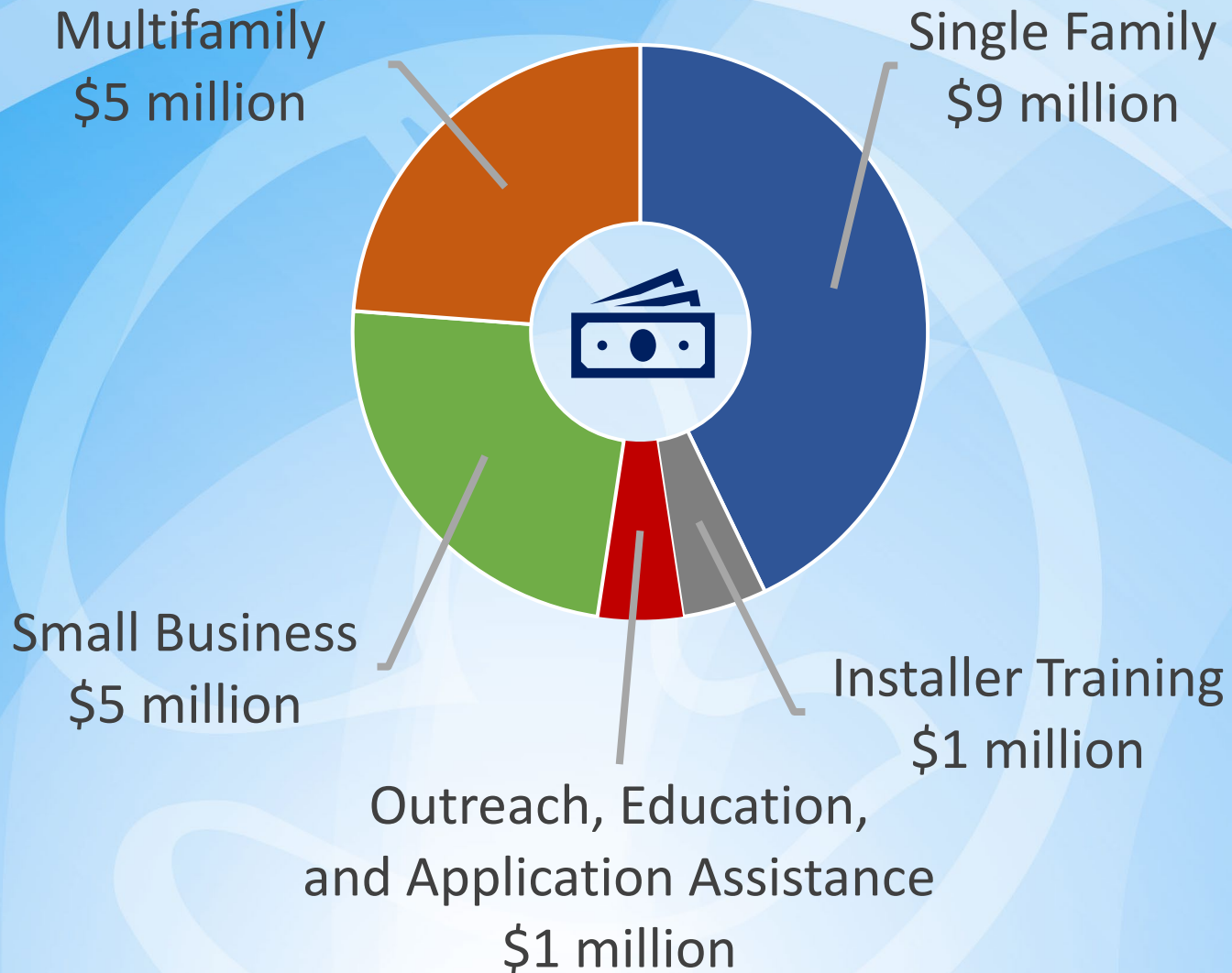


Initial phase will be focused on all-electric heat pumps for space and water heating



Third-party contractor will administer the program

Pilot Rebate Program Funding

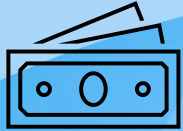


Proposal to fund program with \$21 million

- Three times more funding than previous Clean Air Furnace Program
- Includes third-party contractor administration and outreach costs
- Funds to be distributed on a first-come, first-served basis

75% of funding for overburdened communities (identified by CalEnviroScreen)

Rebate Program Incentives



What is the rebate amount?

Single-Family: \$1,000 - \$3,000 per unit

Multifamily: \$1,000 - \$4,000 per unit,
up to \$300,000 cap per property

Small Business: \$4,000 per unit



How many units can be Incentivized?

Overburdened*

Single-Family:
Up to 4,500 units

Multifamily: Up to 2,500
units or 17 properties

Small Business:
Up to 1,250 units

Non-Overburdened

Single-Family:
Up to 2,250 units

Multifamily: Up to 625
units or 4 properties

Small Business:
Up to 312 units

*Note: Overburdened communities have access to all funding in each category, and 75 percent of rebate funds are allocated for use only by overburdened communities

Training Program



One hurdle is having a trained workforce to install zero-emission technologies, e.g., heat pumps



Training will familiarize installers with plumbing, HVAC, and electrical work needed to install heat pumps



Training will also provide information on sizing and types of heat pumps for different applications



Selection of contractor will consider prior experience and cost to maximize installer training

Outreach, Education, and Application Assistance Program Summary

Provide further assistance to applicants

- Targeted outreach to overburdened communities, including residents in mobile home parks and residents in AB 617 communities
- Provide information on zero-emission options and other incentives and rebates that can be used
- Offer application assistance to apply for South Coast AQMD rebate and to stack other incentive programs
- More than one contractor may receive funding depending on the proposals
- Prefer disbursement of funding to reach the four-county jurisdiction

Request for Proposal for Go Zero Pilot Program

Schedule:

Date	Event
August 2, 2024	RFP Released
August 28, 2024	Bidders' Conference
September 13, 2024	Proposals Due
September 17– September 27, 2024	Proposal Evaluations
November 2024	Launch Go Zero

Evaluation Criteria:

- Experience/Background (20 points)
- Administration Approach (20 points)
- Outreach (20 points)
- Accountability and Statistics of Similar Projects (10 points)
- Administration Fees (30 points)
- Additional points may apply (as specified)

Next Steps

Bidders' Conference – August 28, 2024

- Potential bidders may ask questions about the RFP

Proposals Due – September 13, 2024, 1:00 PM PDT

Contract Evaluation – Mid-Late September 2024

Contract Execution and Launch Go Zero – End of 2024

**Proposed Amended Rules 1111 and 1121 Presentation to Board –
December 2024**

For more information, please visit our Building Appliances webpage:

<https://www.aqmd.gov/home/rules-compliance/residential-and-commercial-building-appliances>