



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

AGENDA: 4

Vote on the Creation of a Member Selection Ad Hoc Committee

**Community Advisory Council Meeting
November 30, 2023**

**Miriam Torres
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Presentation Outcome



- Create a Community Advisory Council Member Selection Ad Hoc Committee

Presentation Outline



- Requested Action
- Glossary
- Community Advisory Council Charter & Resolution
- Vacant Youth Seat
- Youth Member Seat Selection Process
- Youth Member Application Screening
- Member Selection Ad Hoc Committee
- Council Vote

Requested Action



- Vote to approve the creation of an ad hoc committee that will select Community Advisory Council candidates for Board consideration to fill one vacant youth seat

Glossary



- Criterion – a principle or standard by which something may be decided¹
- Selection Criteria – Set of considerations or requirements related to knowledge, skills, experience, or any other qualifications indicated for the ranking and selection of applicants
- Ranking – Position, order or standing within a group²

1 – Source: Oxford Languages, Oxford University Press

2 – Source: Merriam-Webster Dictionary

Community Advisory Council Charter



Section 1.4.1 of the Community Advisory Council (CAC) Charter states:

1.4.1 Composition of the Community Advisory Council – The initial membership of the CAC, including the Co-Chairs, shall be composed of seventeen (17) members who live or work in overburdened communities in California, as follows:

- Four (4), Alameda County
- Four (4), Contra Costa County
- One (1), San Mateo County
- Two (2), Santa Clara County
- One (1), Solano County
- One (1), San Francisco
- Two (2), at-large
- **Two (2), youth**

Community Advisory Council Charter (cont.)



Section 1.4.3.1 of the Community Advisory Council Charter states:

1.4.3.1 Appointment of Members – The CAC members are appointed by the Board of Directors. Vacancies are to be filled by the Board of Directors as described in the following process. The CEHJ shall provide guidance on selection criteria and on prospective CAC members. The CAC shall create a CAC Selection Ad Hoc Committee, which may include at least one CEHJ member or other Board member chosen by the Board Chair, to recommend a candidate or slate of candidates to the Community Equity, Health, and Justice Committee, according to the guidance provided by the CEHJ.

Community Advisory Council Charter (cont.)



Section 1.4.3.1 of the Community Advisory Council Charter states:

1.4.3.1 Appointment of Members (continued) – The candidates approved by the CEHJ Committee will be recommended to the Board of Directors for final approval. The CAC Selection Ad Hoc will be tasked with developing criteria for the selection of candidates, according to the guidance developed by CEHJ. Priority should be given to individuals from Bay Area communities overburdened by air pollution, environmental justice communities, and/or those with a history of partnering with environmental justice communities.

Community Advisory Council Resolution No. 2023-14



The Community Advisory Council Resolution states:

Community Advisory Council Appointments – The Board of Directors shall appoint CAC members based on the following criteria:

1. Reflect the diverse demographics of the Bay Area
2. Include generational history and experience living in communities heavily impacted by air pollution
3. Demonstrate diversity of relevant experience – including environmental justice, technical expertise, health, and Air District functions or knowledge of the Air District
4. Have access to other people who have a range of relevant knowledge and technical experience that could help inform the Community Advisory Council

Vacant Youth Seat



- As of October 1, 2023, the CAC has one vacant youth seat
- Youth are considered to be individuals between the ages of 14 and 24 at the beginning of their term
- The first step to fill this vacant youth seat is to create a CAC Member Selection Ad Hoc Committee
- Up to eight (8) members can join the CAC Member Selection Ad Hoc Committee

Youth Member Seat Selection Process



- CAC Approves Selection Ad Hoc Committee
- Air District Board Chair selects Board Member to join CAC Selection Ad Hoc Committee
- Selection Ad Hoc Committee meets to review existing selection criteria and recommends any changes to the criteria for approval by the CEHJ Committee
- CEHJ Committee finalizes selection criteria
- Application period open for 30 days
- Selection Ad Hoc Committee reviews applications
- Selection Ad Hoc Committee meets to collectively select top applicants for recommendation to the CEHJ Committee
- The CEHJ Committee recommends selected candidate to the Board of Directors for final approval
- Report back to the CAC on Board Selection

Youth Member Application Screening



- Applications will be released requesting contact information, response to basic questions, and a self-recorded video
- Applicants will be provided 2 questions in advance to respond to during their video recording: 1 from the Ad Hoc Committee and 1 from the CEHJ Committee
- The CAC Member Selection Ad Hoc Committee will review all applications, including the video recording
- The CAC Member Selection Ad Hoc Committee ranks candidates based on CEHJ approved criteria

Member Selection Ad Hoc Committee



- The CAC Member Selection Ad Hoc Committee is anticipated to meet 2-3 times in the coming months
- Members will be expected to review applications on their own time
- Council members will be compensated for their time attending meetings, according to the Compensation Policy approved by the Board
 - Members can apply to be compensated up to 13.3 hours for review time.



QUESTIONS?



AD HOC COMMITTEE SELECTION



PUBLIC COMMENT



COUNCIL VOTE



RESULTS



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

AGENDA: 5

Advancing an Equitable Transition to Clean and Healthy Buildings

**Community Advisory Council Meeting
November 30, 2023**

**Idania Zamora, PhD
Assistant Manager**

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Presentation Outcome



- Air District staff will present an overview of the agency's effort to advance an equitable, accessible, and smooth technology transition to zero pollution heating (space and water) in residential homes across the San Francisco Bay Area.
- Air District staff will also present an overview of the Building Appliance Rule Implementation Working Group (IWG) and its Equity Subcommittee.
- CAC Members can state their interest to participate in this effort.

Outline



- Request to the CAC
- Motivation: Why focus on buildings?
- Building Appliance Rule Implementation Working Group (IWG)
- How will the IWG be supported?
 - Early Solutions
 - Funding
- Next Steps

Requested Action



- None – Informational Presentation

Glossary of Terms



- **IWG** – Implementation Working Group
- **NOx** – Nitrogen Oxide
- **PM2.5** – Fine Particulate Matter
- **GHG** – Greenhouse Gas
- **US EPA** – United States Environmental Protection Agency
- **F-Gases** – Fluorinated gases
- **Building Decarbonization** – Activities & programs that reduce greenhouse gas emissions from buildings

Request to the CAC



How can the CAC influence the outcome?

Join a CAC workgroup of three volunteers that will

- ➊ Join Equity Subcommittee of the Implementation Working Group (IWG)
- ➋ Help shape and review equity deliverables
- ➌ Attend IWG plenary meetings
- ➍ Draft advisory letter to Air District Board on equity considerations of final IWG recommendations for the full CAC to consider

Why are Buildings Important?



Buildings have a huge role in our health and safety!

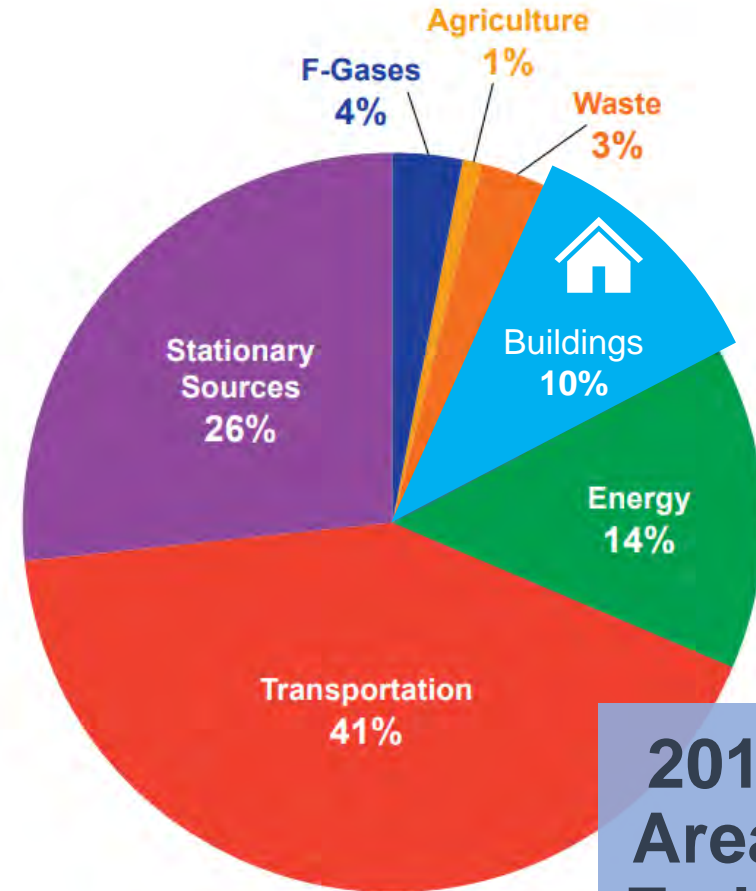
- Americans spend ~90% of their time inside buildings (USEPA)
- Pollutants are often 2-5 times higher than typical outdoor concentrations (USEPA)
- Buildings responsible for significant share of air pollutants that affect our health and Earth's climate

Building Emissions in Context



Buildings account for significant portion of the region's emissions...

...over 10% of greenhouse gas (GHG) emissions



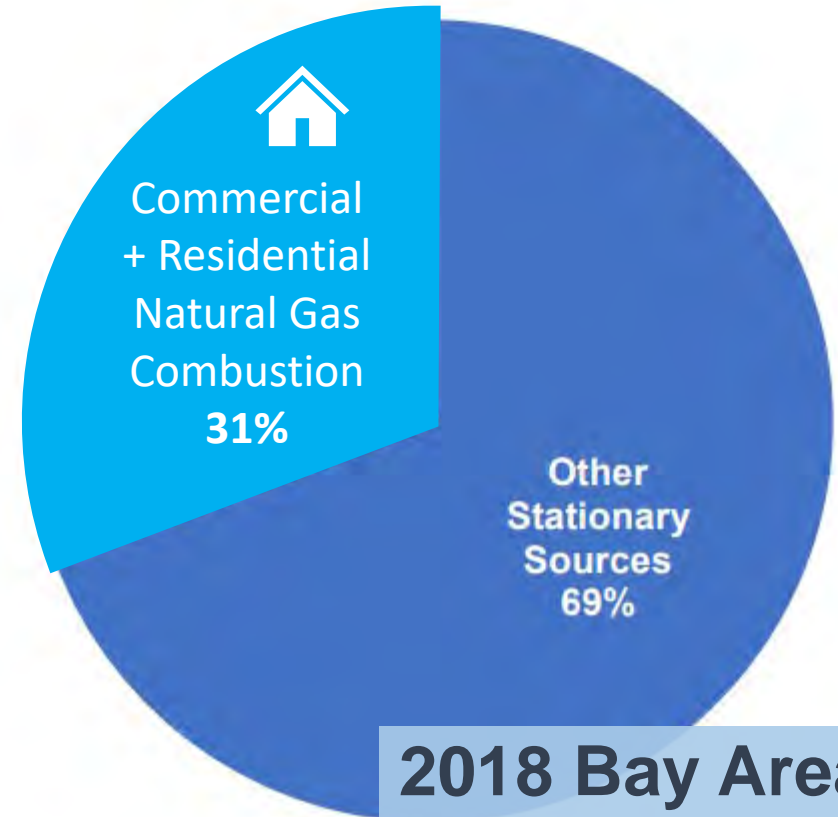
2015 Bay Area GHG Emissions

Building Emissions in Context



Buildings account for significant portion of region's stationary source emissions...

...over 30% of nitrogen oxide (NOx) emissions

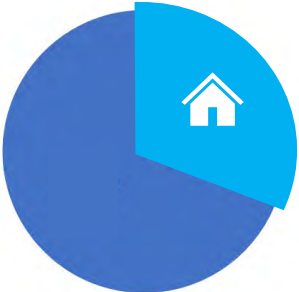


2018 Bay Area NOx Emissions from Stationary Sources

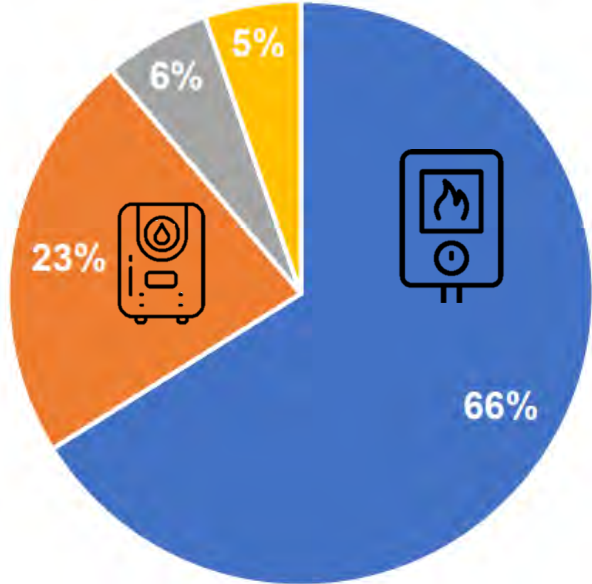
Why Building Appliances?



**Building appliances
-particularly space and
water heating-
account for a large
majority of building
emissions**

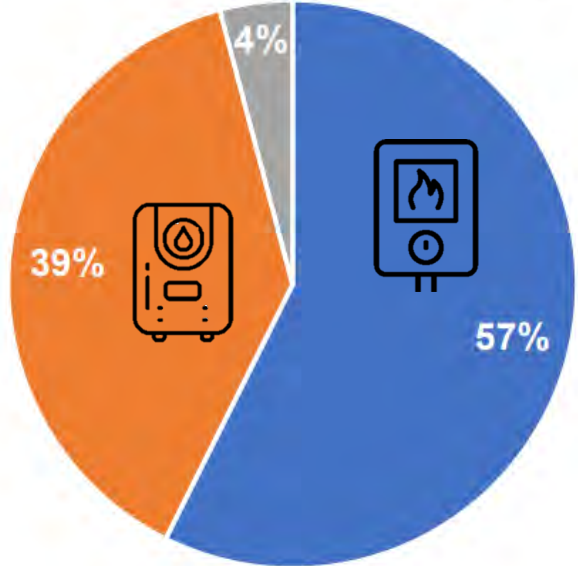


District Residential Natural Gas
Combustion NOx Emissions



■ Space Heating ■ Water Heating ■ Cooking ■ Other

District Residential Natural Gas
Combustion GHG Emissions



■ Space Heating ■ Water Heating ■ Cooking

Building Appliance Rules



In March 2023, the Air District amended its building appliance rules to address building NOx emissions

Regulation 9, Rule 4 (Rule 9-4)

Nitrogen Oxides from Fan
Type Residential Central Furnaces

Zero NOx by
Jan 1, 2029



Regulation 9, Rule 6 (Rule 9-6)

Nitrogen Oxides from Natural Gas-
Fired Boilers and Water Heaters

Zero NOx by
Jan 1, 2027 (small)
Jan 1, 2031 (large)



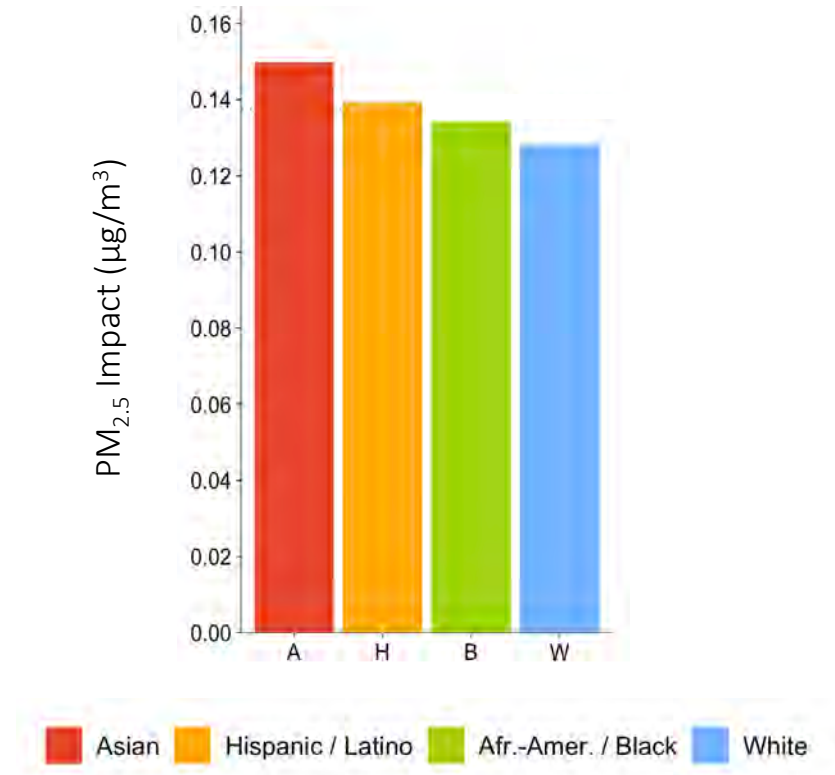
Building Appliance Rules (cont.)



Needed to attain and maintain National Ambient Air Quality Standards and drive local health protection

Impacts

- Potential premature deaths avoided: **37–85 deaths per year**
- Potential total benefit valuation: **\$400–890 million per year**
- **People of color most impacted by PM_{2.5} attributed to combustion of natural gas for residential space and water heating**



Implementation Working Group (IWG)



- **Purpose:** Inform periodic reporting to Board on rule implementation for technical readiness and equitable transition
- **Stakeholders:**
 - Environmental justice groups
 - Community-based organizations
 - Subject matter experts
 - Building energy advocates
 - Affordable housing development
 - Building management
 - Labor and trade organizations
 - Technology manufacturers
 - Tenant groups
 - Technology entrepreneurs
 - Local governments
 - State agencies
 - Pacific Gas & Electric
 - Community Choice Aggregators (CCAs)

Implementation Working Group (IWG)



The Air District will advance an equitable, accessible, and smooth technology transition to zero pollution space and water heating in residential and commercial spaces across the SF Bay Area.



IWG Structure



IMPLEMENTATION WORKING GROUP

AIR DISTRICT

SUPPORT




EQUITY + TECHNICAL SUBCOMMITTEE

Provide information, data, subject matter expertise




STEERING COMMITTEE

Consultation for agenda planning and topic priority




ALL IWG

Review and comment



STAFF

Synthesize and summarize; outreach to stakeholders



CONSULTANTS

Provide additional staff support, gap-fill



FACILITATOR

Kearns & West

IWG Scope and Goals



EQUITY



HOUSING IMPACTS

Minimize negative house impacts from zero pollution appliance installation on Bay Area residents



AFFORDABILITY

Support affordable zero NOx appliance installation for all Bay Area residents, particularly low- and moderate-income households



WORKFORCE

Support sufficient and adequately trained workforce to install additional zero NOx appliances resulting from building appliance rules

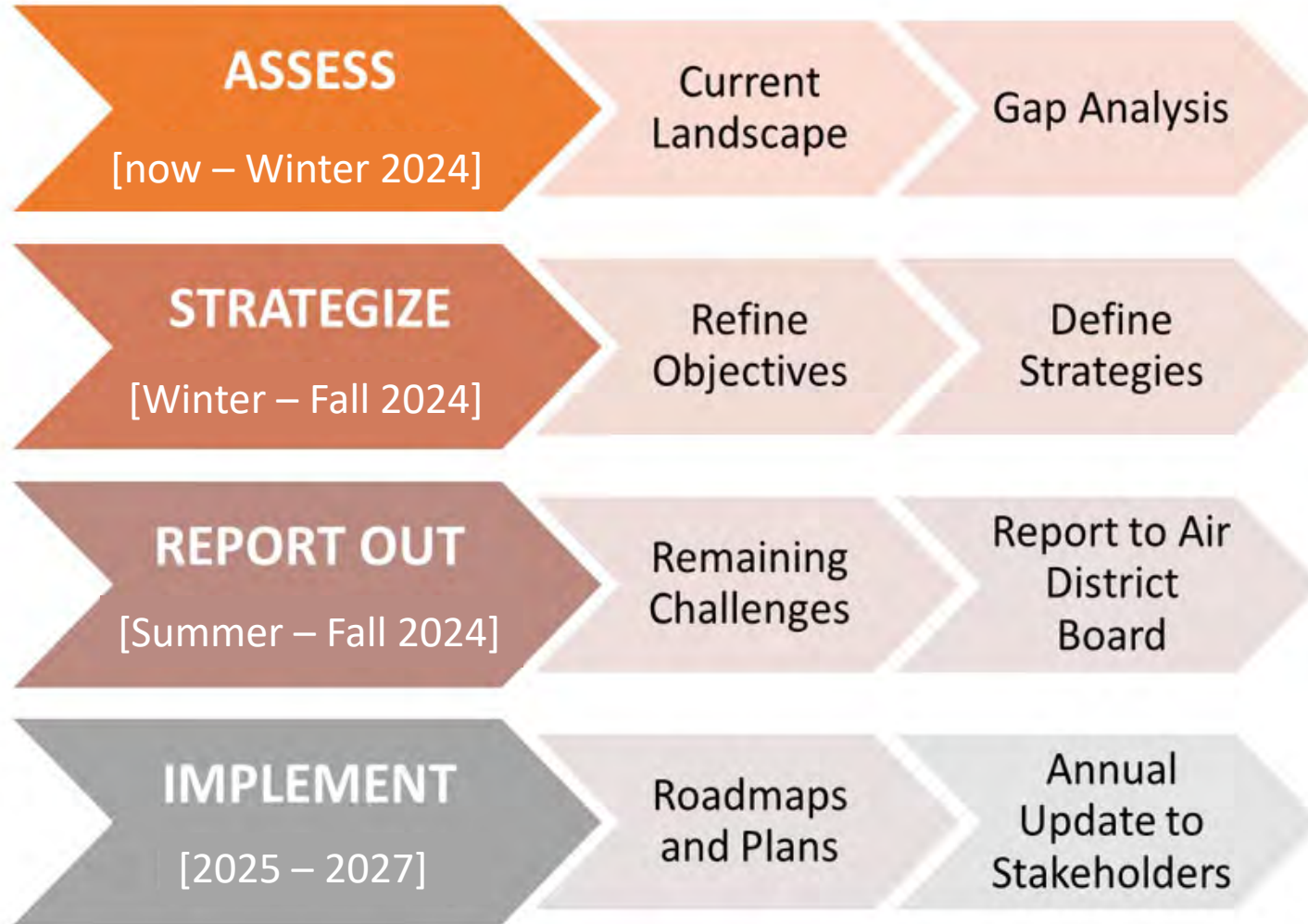
IWG Scope and Goals



TECHNICAL



IWG Phases and Timeline



What's coming next?



Currently in Assessment Phase

- Hiring and onboarding consultants
 - Onboarded Technical Consultant
 - Procurement for workforce and housing protections experts
- Future meetings
 - **November 2023:** Plenary
 - **December 2023:** Technical Subcommittee & Equity Subcommittee
 - **January 2024:** Steering Committee
 - **February 2024:** Plenary
 - **March 2024:** Technical Subcommittee & Equity Subcommittee
 - **April 2024:** Steering Committee

Early Solutions



Housing Impacts

- Bay Area Healthy Homes Initiative (BAHHI)

Affordability and Accessibility

- Silicon Valley Clean Energy's Electrification Concierge Service

Workforce

- Rising Sun's Bay Area High Roads Training Partnership



Rising Asthma Rates are a Growing Health and Equity Issue

In the San Francisco Bay Area, asthma rates in communities overburdened by air pollution are **disproportionately high and increasing.**

BAY AREA HEALTHY HOMES INITIATIVE



\$2M pilot program seeks to improve health outcomes and climate resilience in overburdened communities

Program integrates services through **partnership** to support a healthy and resilient...



PERSON

- »» In-home Asthma services
- »» Asthma Consumer Supplies
- »» Air Pollution Education



HOME

- »» Remove Health Triggers
- »» Mitigate Pollution Exposure
- »» Increase Energy Efficiency



More information at www.baaqmd.gov/bahhi



ROLES WITHIN PARTNERSHIP

REGIONAL AGENCIES

Bay Area Air Quality Management District (BAAQMD) secured \$2M grant and leads program coordination and oversight

Bay Area Regional Energy Network (BayREN) leverages network to conduct outreach and layer incentives



LOCAL GOV'T

Contra Costa and Alameda County Health Departments lead asthma care, education, and trigger assessments



LOCAL NGO

Association for Energy Affordability (AEA) assesses homes and implements home retrofits for both counties

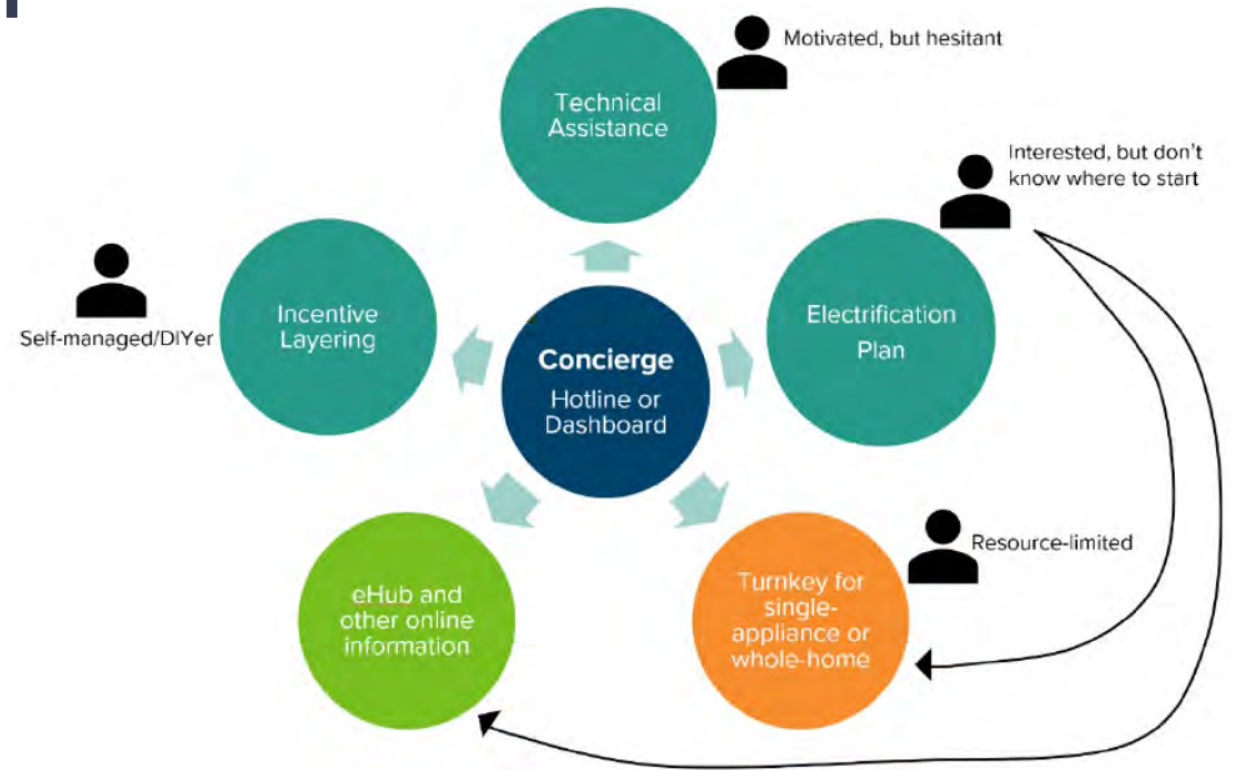


SVCE Electrification Concierge Services



Concierge Service from Silicon Valley Clean Energy (SVCE)

- Comprehensive advisory service to help SVCE customers
- Ensure decarbonization and electrification are simple and easy as possible
- Demonstration program that can be scaled; currently calling for proposals



More information at: https://svcleanenergy.org/wp-content/uploads/svce_ffh_concierge_rfp_digital.pdf

Funding



- Inflation Recovery Act (IRA) Funding
- US EPA Climate Pollution Reduction Grant Program
- California Energy Commission (CEC) Equitable Building Decarbonization Funding

US EPA Inflation Recovery Act (IRA) Funding



Objectives

- **Reduce greenhouse gases (GHGs)** while supporting creation of **good jobs** and **lowering energy costs** for families
- Accelerate work to **address environmental injustice** and **empower community-driven solutions in overburdened neighborhoods**
- Deliver **cleaner air** by reducing harmful air pollution in places **where people live, work, play, and go to school**

Highlights

- **\$15.5 Billion for US EPA Protecting Communities from Harmful Air Pollution**
 - \$3B for Environmental and Climate Justice Block Grants
 - \$3B+ for Neighborhood Access and Equity Grant Program
 - \$5B for Climate Pollution Reduction Grant Program

USEPA Inflation Recovery Act (IRA) Funding (cont.)



Programs Covered in This Chapter			
Agency	IRA Section	Program Name	Amount
Environmental Protection Agency	60201	Environmental and Climate Justice Block Grants	\$3,000,000,000
Environmental Protection Agency	60114	Climate Pollution Reduction Grants	\$5,000,000,000
Department of Transportation	60501	Neighborhood Access and Equity Grant Program	\$3,205,000,000
Environmental Protection Agency	60101	Clean Heavy-Duty Vehicles	\$1,000,000,000
Environmental Protection Agency	60102	Grants to Reduce Air Pollution at Ports	\$3,000,000,000
Environmental Protection Agency	60104	Diesel Emissions Reductions	\$60,000,000
Environmental Protection Agency	60106	Funding to Address Air Pollution at Schools	\$50,000,000
Environmental Protection Agency	60105(d)	Funding to Address Air Pollution: Emissions from Wood Heaters	\$15,000,000
Environmental Protection Agency	60105(f)	Funding to Address Air Pollution: Clean Air Act Grants	\$25,000,000
Environmental Protection Agency	60105(g)	Funding to Address Air Pollution: Mobile Source Grants	\$5,000,000
Environmental Protection Agency	60107	Low Emissions Electricity Program	\$87,000,000



<https://www.whitehouse.gov/wp-content/uploads/2022/12/Inflation-Reduction-Act-Guidebook.pdf>

USEPA Climate Pollution Reduction Grant



Funding for Climate Planning

- States get \$3 million
- Metropolitan Statistical Areas (MSAs) get \$1 million
- Bay Area has 2 MSAs (central Bay and south Bay)

Funding for Project Implementation

- Nationally-competitive pot of **\$4.3 billion**
- For projects to implement measures in plan
- Projects must benefit low-income, frontline communities

CEC's Equitable Building Decarb. Program



Funding from California Energy Commission (CEC)

Statewide Direct Install (\$700M)

- Low- or no-cost retrofits for low- and moderate-income households in under-resourced communities
- Will be implemented in partnership with community-based organizations for culturally appropriate outreach

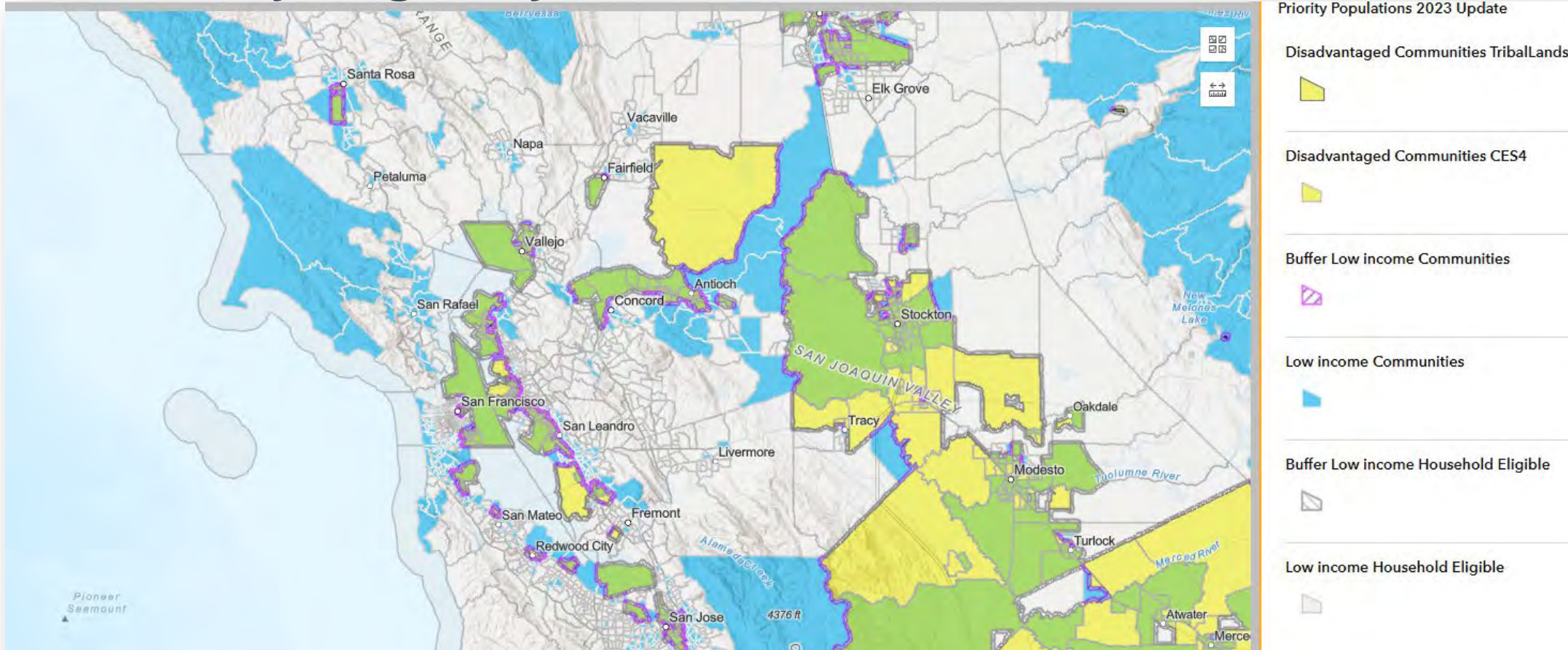
Statewide Incentive Program (\$80M)

- Incentives to promote low-carbon technologies in homes
- 50% of funds must benefit under-resourced communities

CEC's Equitable Building Decarb. Program (cont.)



Community Eligibility



<https://gis.carb.arb.ca.gov/portal/apps/experiencebuilder/experience/?id=6b4b15f8c6514733972cabdda3108348>

Next Steps



CAC IWG Workgroup

- Onboarding meeting with IWG team for interested folks
- Volunteer to join the CAC IWG workgroup (by Dec 1, 2023)
- Next Equity Subcommittee: December 12, 2023
- Next IWG plenary meeting: February 28, 2024





Thank you for your attention!



Comments or Questions? Let's connect!

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