



Cap and Trade
Dollars at Work



Statewide Mobile Monitoring Initiative

Air Quality Community Meeting #1

April 16, 2025 | 5:30 - 7:30 PM
Sam & Bonnie Pannell Community Center



Welcome and introductions

Today's Meeting Facilitators:



valley vision

Community Inspired Solutions

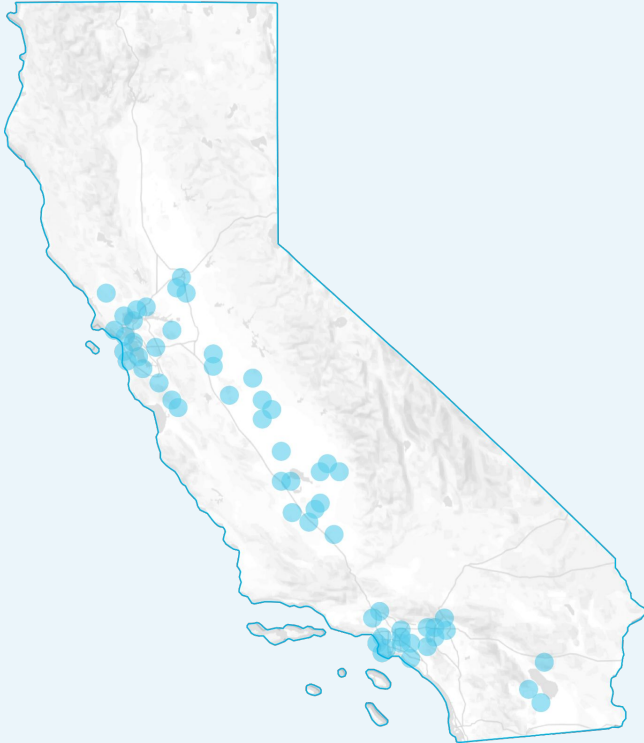
Today's agenda:

1. What is SMMI? and Project Overview (6:00 - 6:20 PM)
2. Mapping Activity: Community concerns (6:20 - 6:40 PM)
Break (6:40 - 6:45 PM)
3. Decision-making process (6:45- 6:50 PM)
4. Defining the monitoring boundary (6:50 - 7:10 PM)
5. Next steps and closing remarks (7:10 - 7:30 PM)



The **Statewide Mobile Monitoring Initiative** is part of California Climate Investments, a statewide initiative that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment – particularly in disadvantaged communities.

The Statewide Mobile Monitoring Initiative



The California Air Resources Board (CARB) contracted Aclima to develop **Community Air Monitoring Plans (CAMPs)** for and collect and analyze air quality data in the **64 Consistently Nominated Communities (CNCs)**.

Through CAMP development and implementation, SMMI putting communities in a better position to develop strategies for emissions reduction.

Air Pollution Impacts on Community Health

California Air Resources Board:

<https://youtu.be/g4QeC008erc>

Those most at risk:



- People with Pre-Existing Conditions
- Children
- Older Adults
- Close Proximity Residents / Workers
- Pregnant Women

Project Overview

**Air Pollution
Concerns Survey**

March & April 2025

**DRAFT Community
Air Monitoring Plan**

Late April

**FINAL Community Air
Monitoring Plan**

June 2025

**Project Results
Webinars**

May 2026

TODAY (April 16)

**Community Meeting
#1**

May 1st, 2025

**Community
Meeting #2**

June 2025 - February 2026

**Monitoring Period
+ Continued Community
Communications**



How does Aclima monitor Air Quality?

Aclima measures pollution using a combination of sensors attached to hybrid or electric vehicles.

These vehicles are called **Aclima platforms**.



Air quality sensors within the Aclima platform



What pollutants will we measure?

Broad Area Monitoring



- **Fine Particulate Matter** (PM_{2.5})
- **Black Carbon**
- **Nitrogen Oxide** (NO)
- **Nitrogen Dioxide** (NO₂)
- **Ozone** (O₃)
- **Carbon Monoxide** (CO)
- **Carbon Dioxide** (CO₂)
- **Methane** (CH₄)
- **Ethane** (C₂H₆)
- **Total Volatile Organic Compounds** (VOCs)

Targeted Area Monitoring



All of the same pollutants, plus:

- **Heavy Metals** (e.g. arsenic, lead)
- **Particulate Matter** (e.g. ultrafine, PM₁₀)
- **Gases and VOCs** (e.g. formaldehyde)

What will the data look like?



Pollutant levels over a space

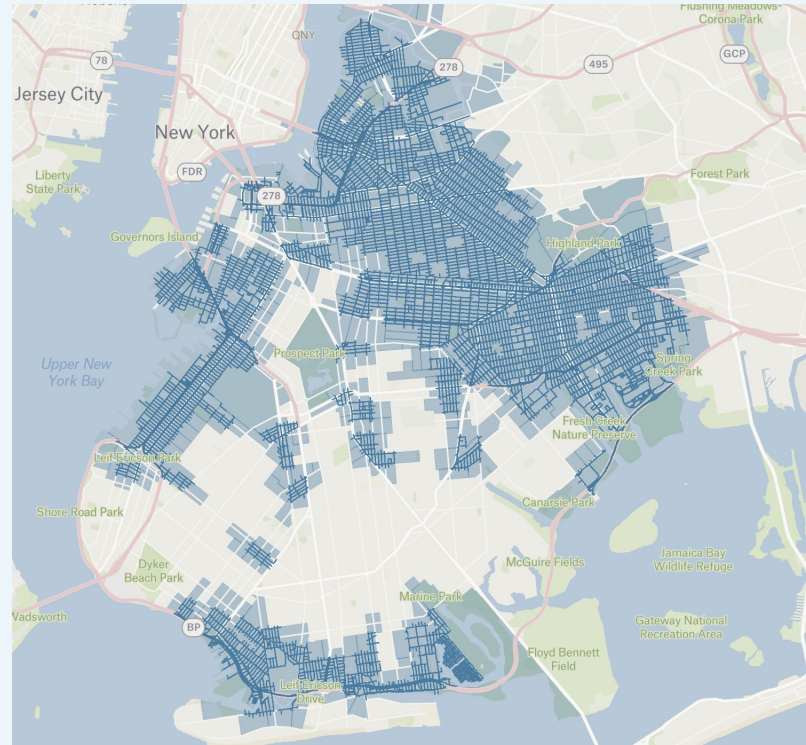


Pollutant “hot spots”

How can residents guide air quality monitoring in their communities?

Residents – especially those from frontline communities – can tell us where to focus monitoring resources.

What communities tell us will define the **Community Air Monitoring Plan (CAMP)** - which determines how monitoring takes place in that community and where Aclima platforms will drive.



When will the monitoring happen?

- Aclima will deploy its monitoring vehicles by **June 2025**
- The cars will monitor for **nine months** at different times of day, days of week, and times of season
- Aclima will maintain project updates for each community on its website: www.aclima.earth/ca-smmi



When will the data be available?

Spring 2026:

May 2026:

**Summer
2026:**

- StoryMaps available with content related to each Consistently Nominated Community

- Project results webinar by region
- Final report and StoryMaps published

- Data available on CARB's website for download

How has this type of data been used in the past?

- Support development of emissions reduction plans (e.g. West Oakland Community Action Plan¹)
- Identify areas for anti-idling enforcement (New York State DEC²)
- Trigger voluntary facility actions, like fixing identified leaks
- Gas leak identification and repair by utility company
- Determine sites where further air monitoring is needed
- Highlight areas where unexpectedly high concentrations are observed for enforcement follow-up

1. <https://woeip.org/featured-work/owning-our-air/>

2. <https://dec.ny.gov/news/press-releases/2024/8/dec-releases-first-phase-results-of-statewide-community-air-monitoring-initiative>

-
- **Community Concerns Discussion**
 - **Decision-Making Process**
 - **Defining the monitoring boundary**

Discussion: Community Concerns Around Air Pollution

GUIDING QUESTIONS:

Which of the following describes your air pollution concern?



**Specific
Facility**



**Facility's
Truck
Traffic**



**Type of
Pollution
Source**



**Community
Health &
Well-Being**



**Identifying
Most
Impactful
Facilities**



**Identifying
Impacted
Locations**

1. Describe the location of the source(s) and/or the impact zone(s).
2. What kind of pollution do you think is there?
3. What do you most want to know about?

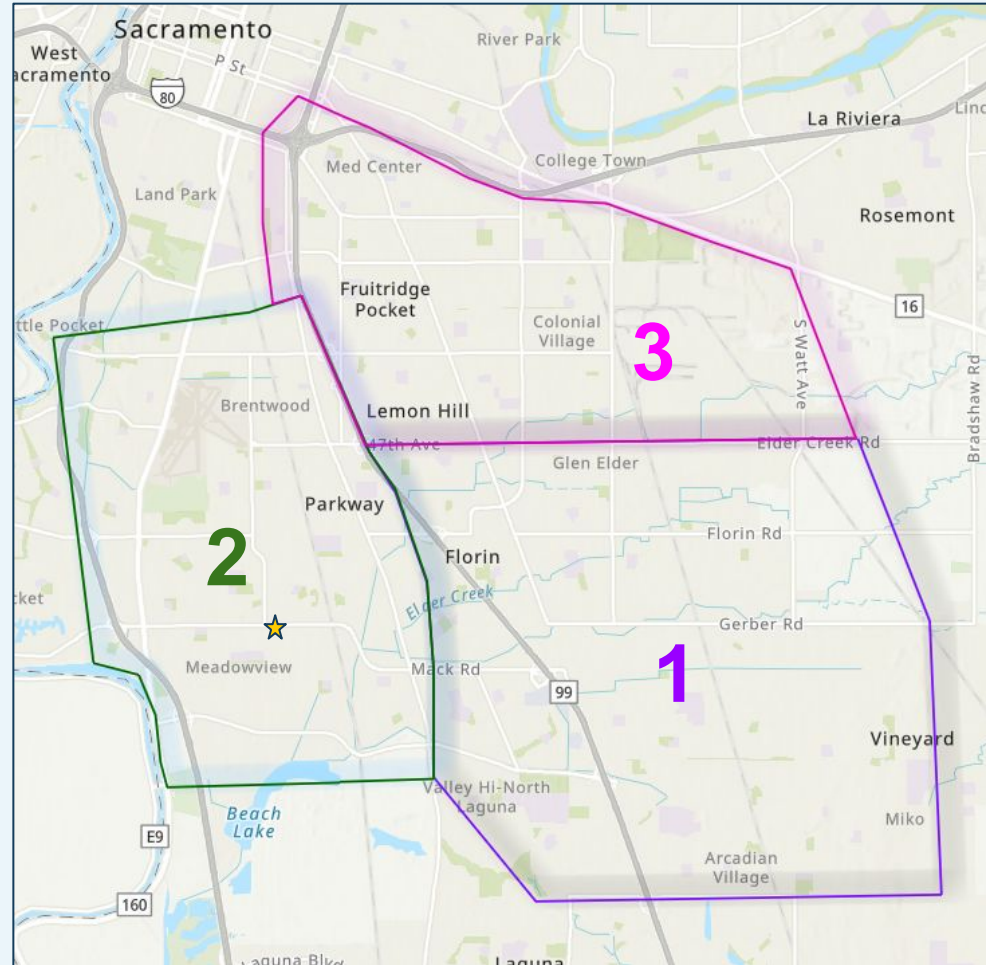
Community Concerns Around Air Pollution

South Sacramento:

1 - Florin

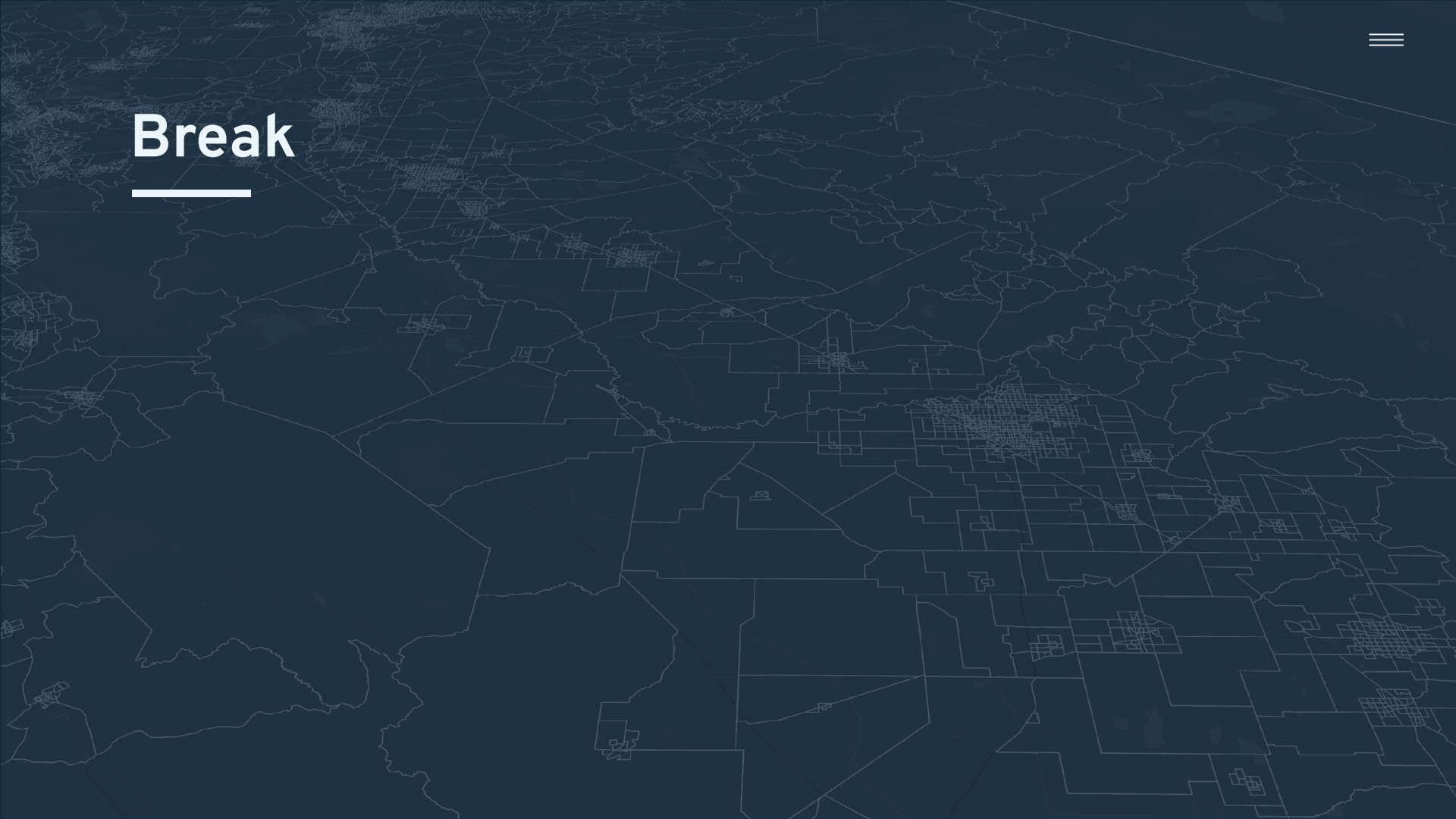
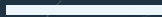
2 - Meadowview

3 - Oak Park / Fruitridge





Break



Decision-Making Process for the Meeting



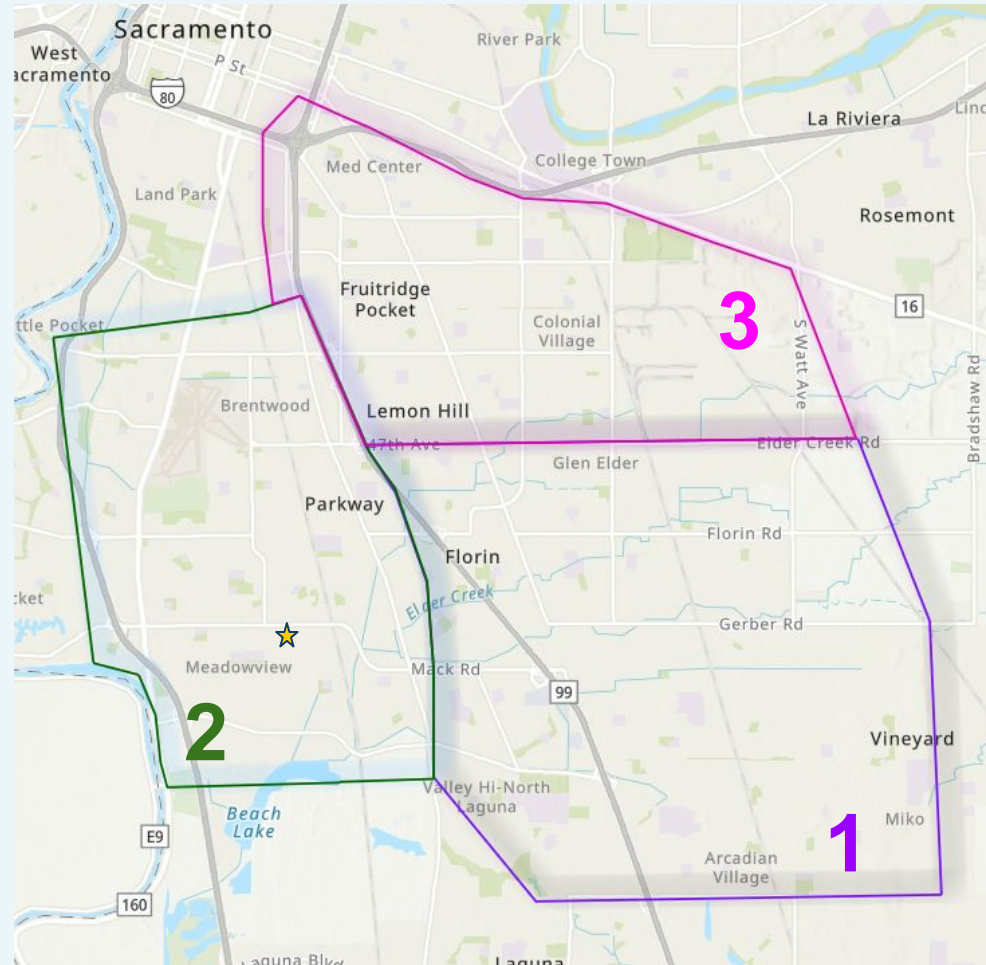
MAJORITY VOTE OPTION:

Members cast votes, and the option with the most votes wins.

Defining the monitoring boundary

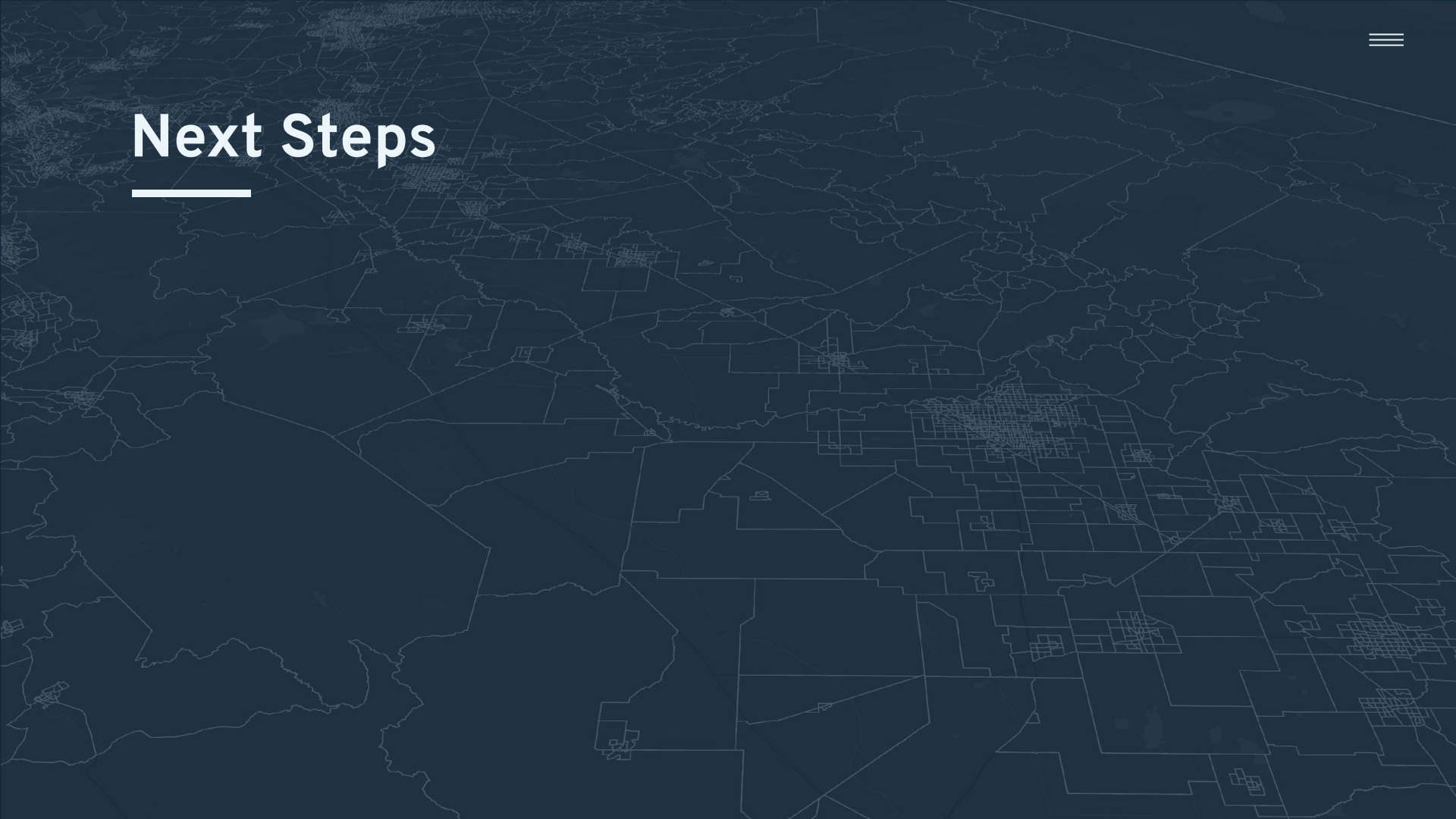
South Sacramento:

- Florin (Zone 1)
- Meadowview (Zone 2)
- Oak Park / Fruitridge (Zone 3)





Next Steps



What Happens Next?

- Aclima will draft **air monitoring plans** for Florin, Meadowview, Oak Park and Fruitridge based on survey results and what you shared at this meeting
- At the next meeting on May 1st, you will see what is in the draft plan and you can suggest any changes you want to make
 - Register here for the next meeting on May 1st:
air-quality-south-sacramento-2.eventbrite.com

Project Timeline



See You for Meeting #2!

Purpose of Meeting 2:

Review and make recommendations to change the **Draft Community Air Monitoring Plan**, including the monitoring boundary.

Date & Location:

Oak Park Community Center

Thursday, May 1st | 5:30 - 7:30 PM

Register:

air-quality-south-sacramento-2.eventbrite.com

Meeting Feedback

Post-Event survey:

What worked about this meeting?

How can we make the next meeting better?

Project Contact Information



Kathy Saechou, Project Manager

Email - kathy.saechou@valleyvision.org



Ana Miscolta, Senior Environmental Project Manager

Email - ana.miscolta@aclima.earth

Thank you to the project partners and community members for your commitment to protect California air quality!

- Learn more and stay up to date: www.aclima.earth/ca-smmi
- Remember to sign the **vendor agreement at the registration table** to be compensated for participation. Thank you!

