



Cap and Trade
Dollars at Work



Statewide Mobile Monitoring Initiative

Air Quality Community Meeting #1

April 14, 2025 | 5:30 - 7:30 PM
Stanford Settlement Neighborhood Center



valley vision
Community Inspired Solutions

Welcome and introductions

Today's Meeting Facilitators:



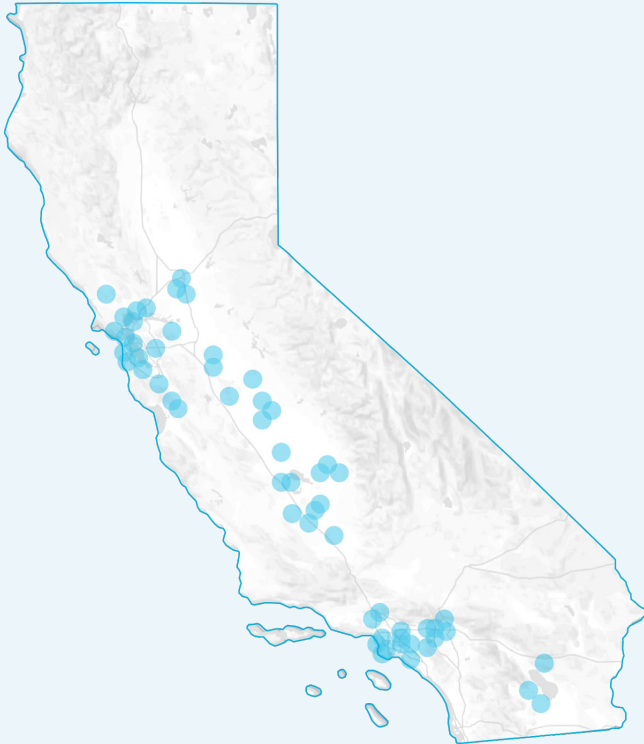
Today's agenda:

1. What is SMMI? and Project Overview (6:00 - 6:20 PM)
 - a. Welcome remarks: GNNA
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)
5. Defining the monitoring boundary (6:50 - 7:10 PM)
6. 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 14)

**Community Meeting
#1**

April 29th

**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

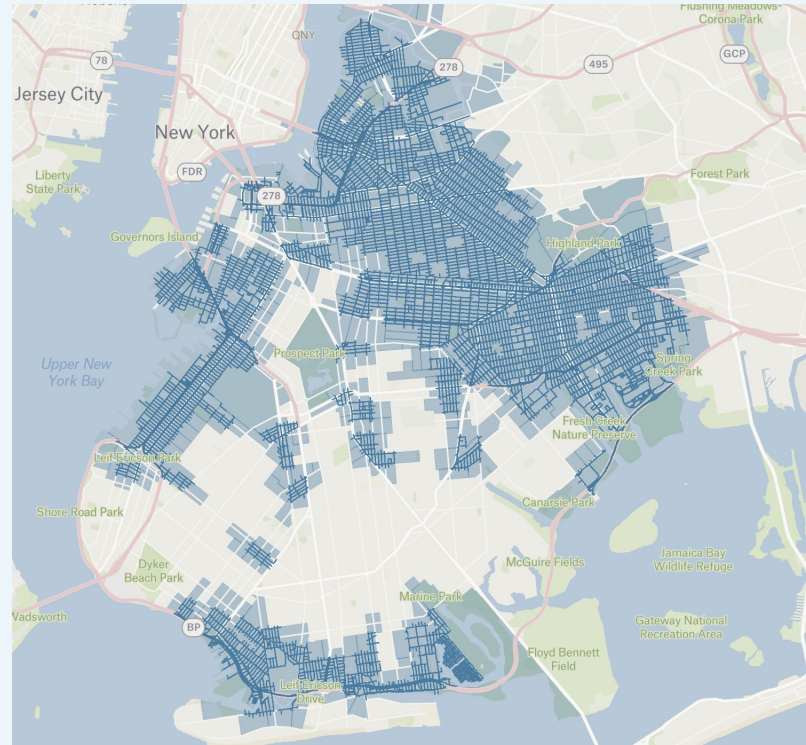


Pollutant “hot spots”

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>

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- **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**

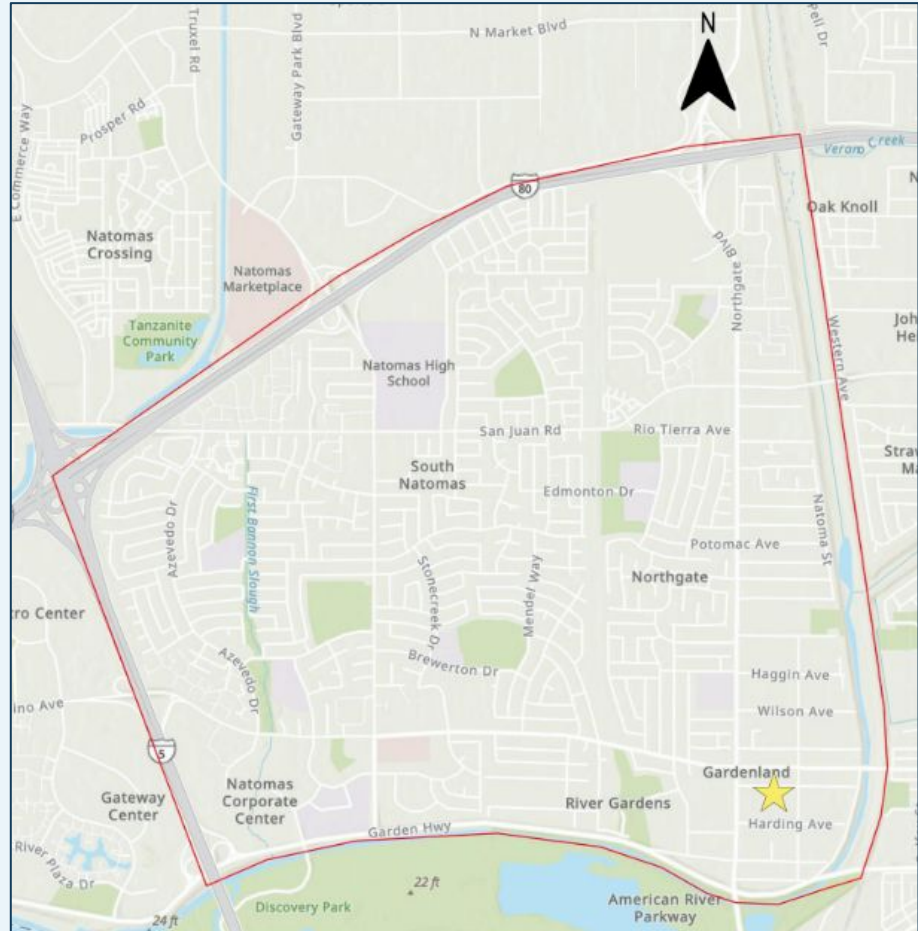


**Identifying
Impacted
Locations**

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?

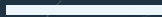
Community Concerns Around Air Pollution

South Natomas





Break




Decision-Making Process for the Meeting



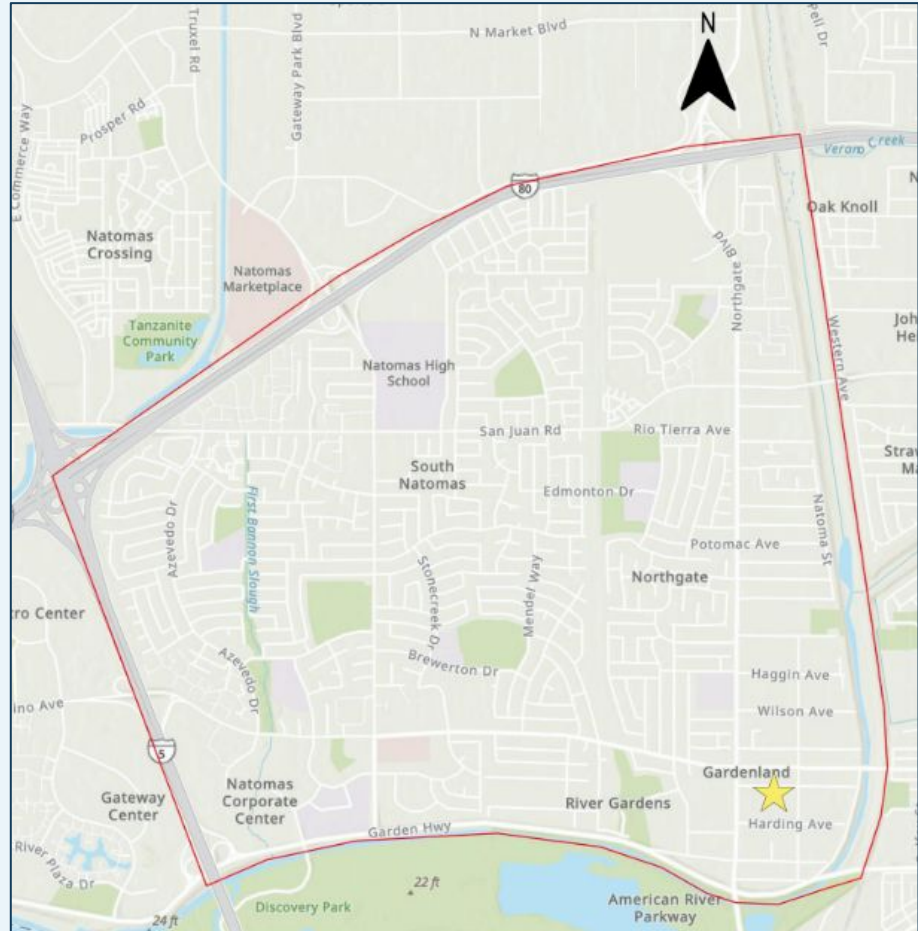
MAJORITY VOTE OPTION:

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



Defining the monitoring boundary

South Natomas





Next Steps

What Happens Next?

- Aclima will draft an **air monitoring plan** for South Natomas based on survey results and what you shared at this meeting
- At the next meeting on April 29th, 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 April 29th:**
air-quality-south-natomas-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:

**Stanford Settlement
Neighborhood Center**

Tuesday, April 29th | 5:30 - 7:30
PM

Register:

[air-quality-south-natomas-2.
eventbrite.com](https://air-quality-south-natomas-2.eventbrite.com)

Meeting Feedback

Post-Event survey:

What worked about this meeting?

How can we make the next meeting better?

Project Contact Information



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Thanks 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!**

