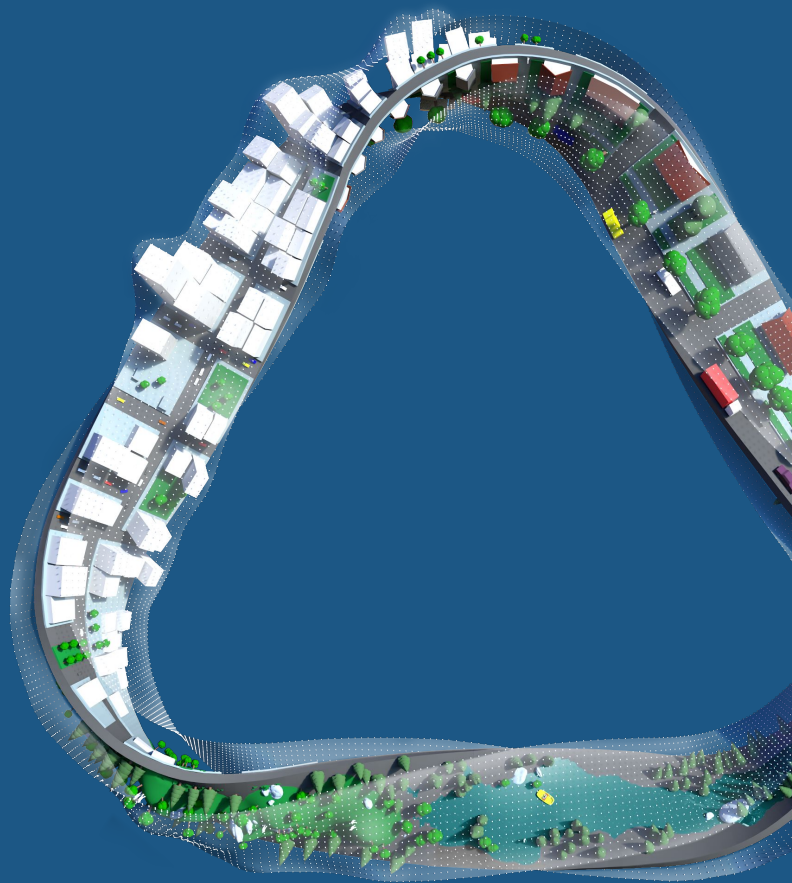




SPUR: Ideas and Action for a Better Community

BAY AREA AIR QUALITY PANEL

July 7, 2020



Aclima pioneered a new way to measure air pollution.

NO₂ concentration (ppb)



Air quality data from Google / Aclima

Google Earth

Hyperlocal air quality Bay Area-wide

Carbon Dioxide (CO_2)

Carbon Monoxide (CO)

Ozone (O_3)

Nitrogen Dioxide (NO_2)

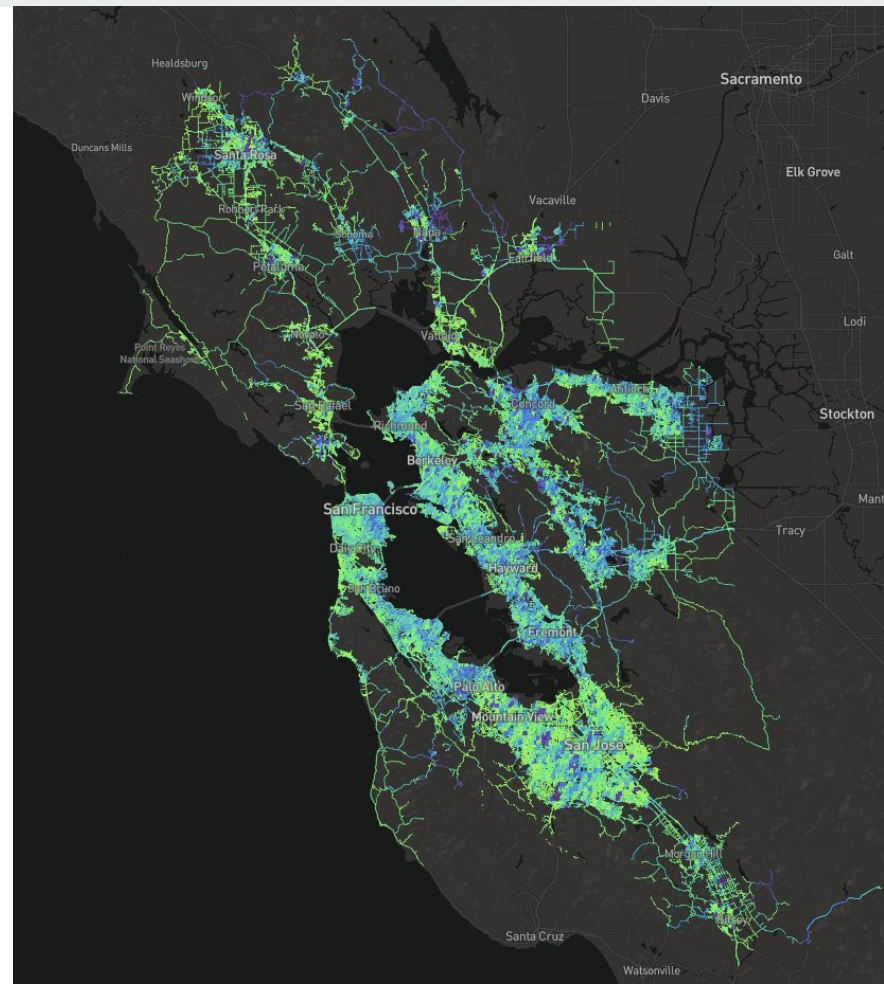
Nitric Oxide (NO)

Particulate Matter ($\text{PM}_{2.5}$)

Black Carbon

Methane (CH_4) / Ethane (C_2H_6)

Temperature, +More





Built in partnership with communities



Aclima's participatory development process engages community members directly in technology design. Investing in trust and long-term relationships unlocks rich feedback loops.



Changing air during shelter-in-place

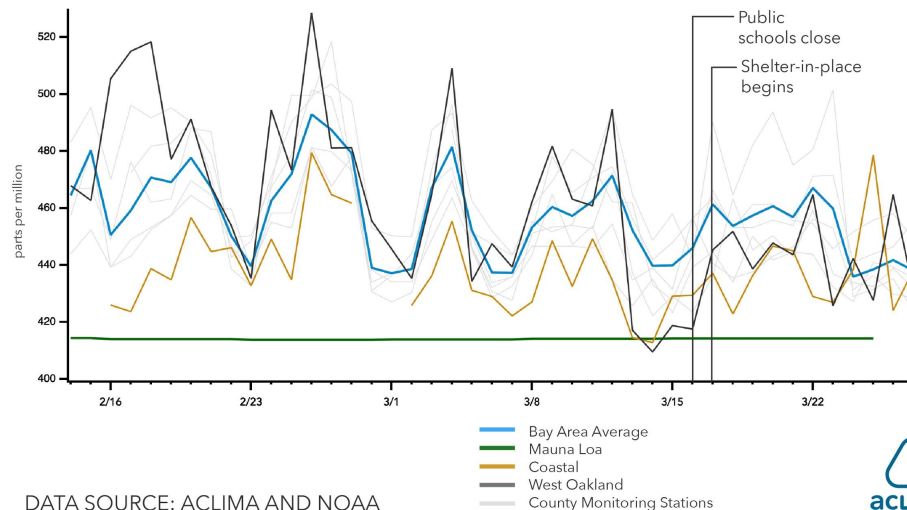
Air pollution levels dropped compared to previous years - particularly that associated with traffic sources.



CO2 Dropped in West Oakland Farther and Faster in March than the Broader Region

West Oakland vs. Coastal, Avg., & Mauna Loa CO2 Levels

Daily Averages, February 14 – March 27, 2020



DATA SOURCE: ACLIMA AND NOAA



Shelter in Place 2020

LCH

dark-no-labels

Aclima Hyperlocal

PM_{2.5}O₃

NO

NO₂

CO

CO₂

Mean



+ Add Filter

Black Carbon



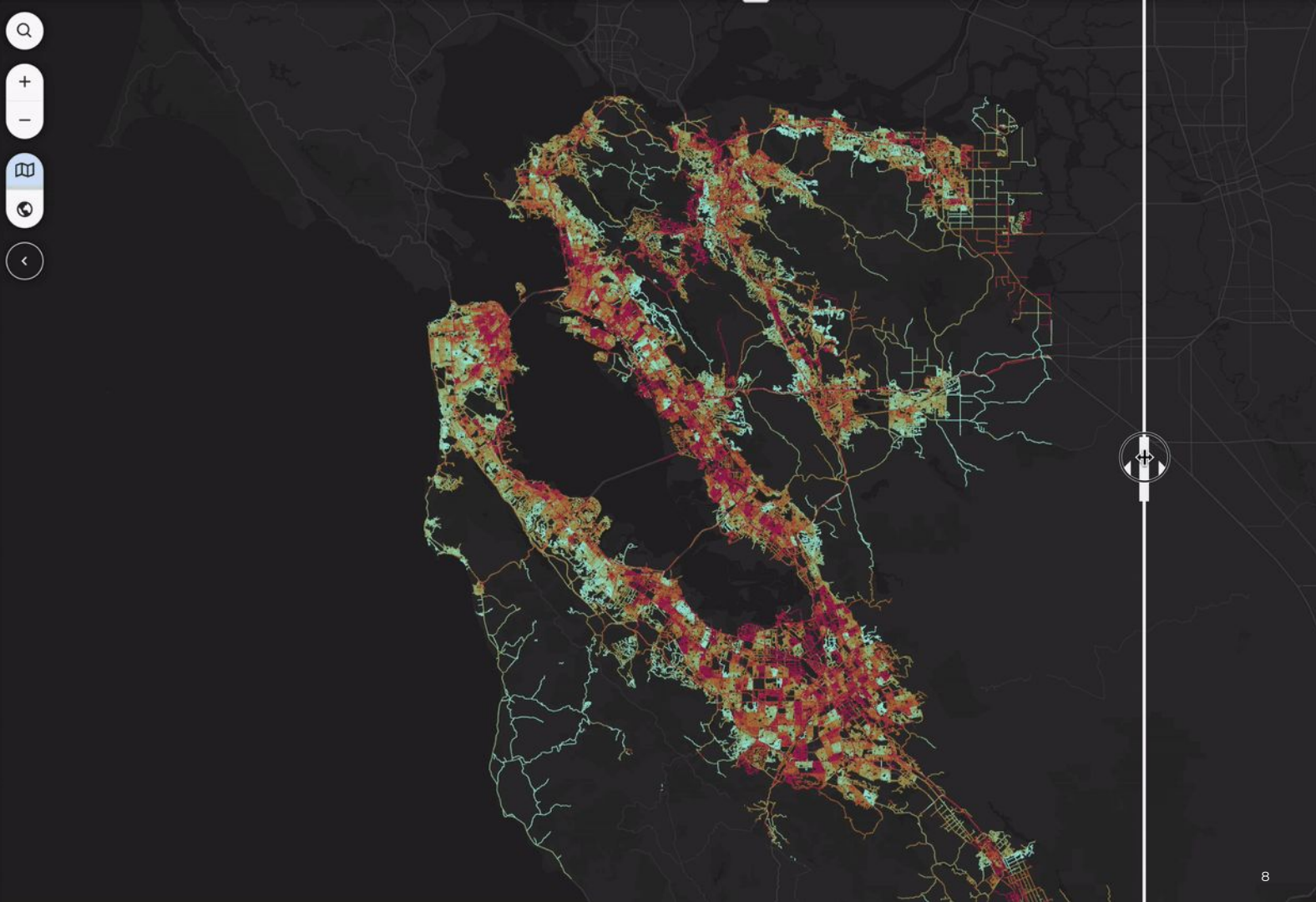
Methane



AQMIS Stationary



+ Import Data



Emissions reductions, public health, and EJ

The West Oakland Community Action Plan: Owning Our Air

A 100+-point plan to reduce emissions and their impacts on people in West Oakland, which is informed by the hyperlocal air quality data we provide.



OWNING OUR AIR

The West Oakland Community Action Plan – **Volume 1: The Plan**

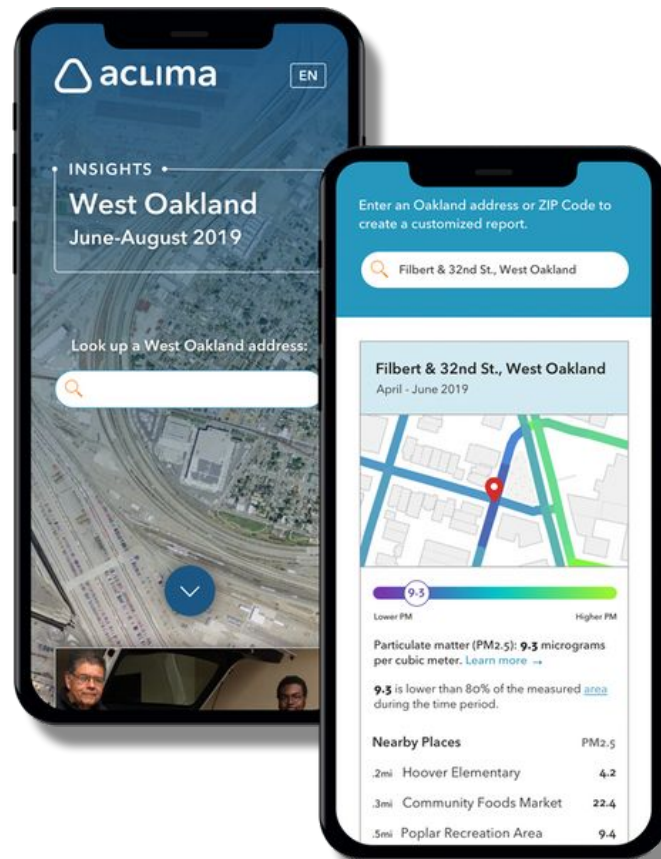
Insights.aclima.io

Public interactive online air quality reports

Enter an address and get hyperlocal information about air pollution on your block

Currently available for AB617 communities:

- **Richmond-San Pablo**
- **West Oakland**
- **San Diego**



hello@aclima.io

