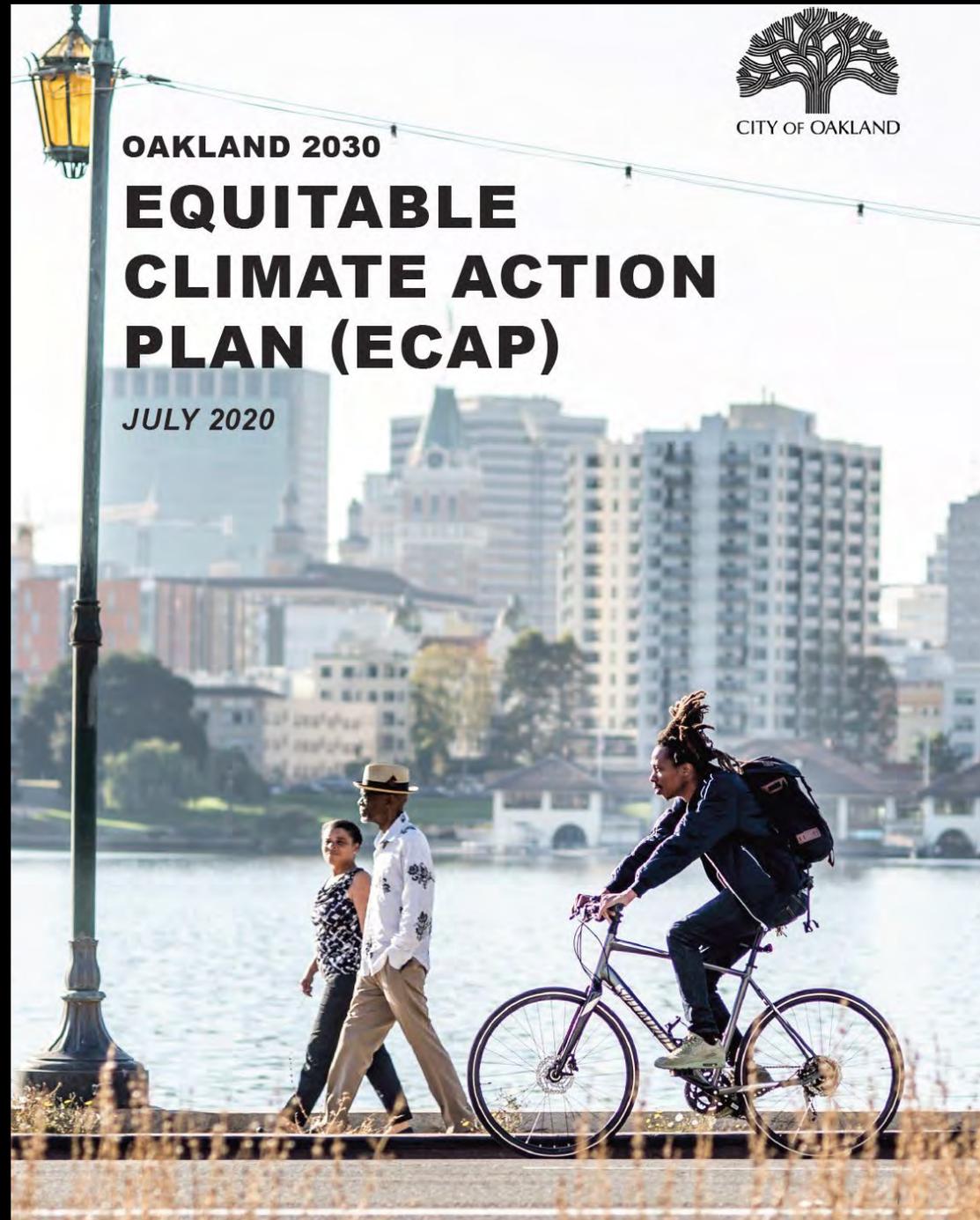


2030 Equitable Climate Action Plan

+ related targets and progress

July 20, 2020

*Daniel Hamilton, Sustainability Program
Manager, Oakland Public Works*



Oakland City Council has set ambitious greenhouse gas (GHG) Emission Reduction Targets*:

36%

by 2020

56%

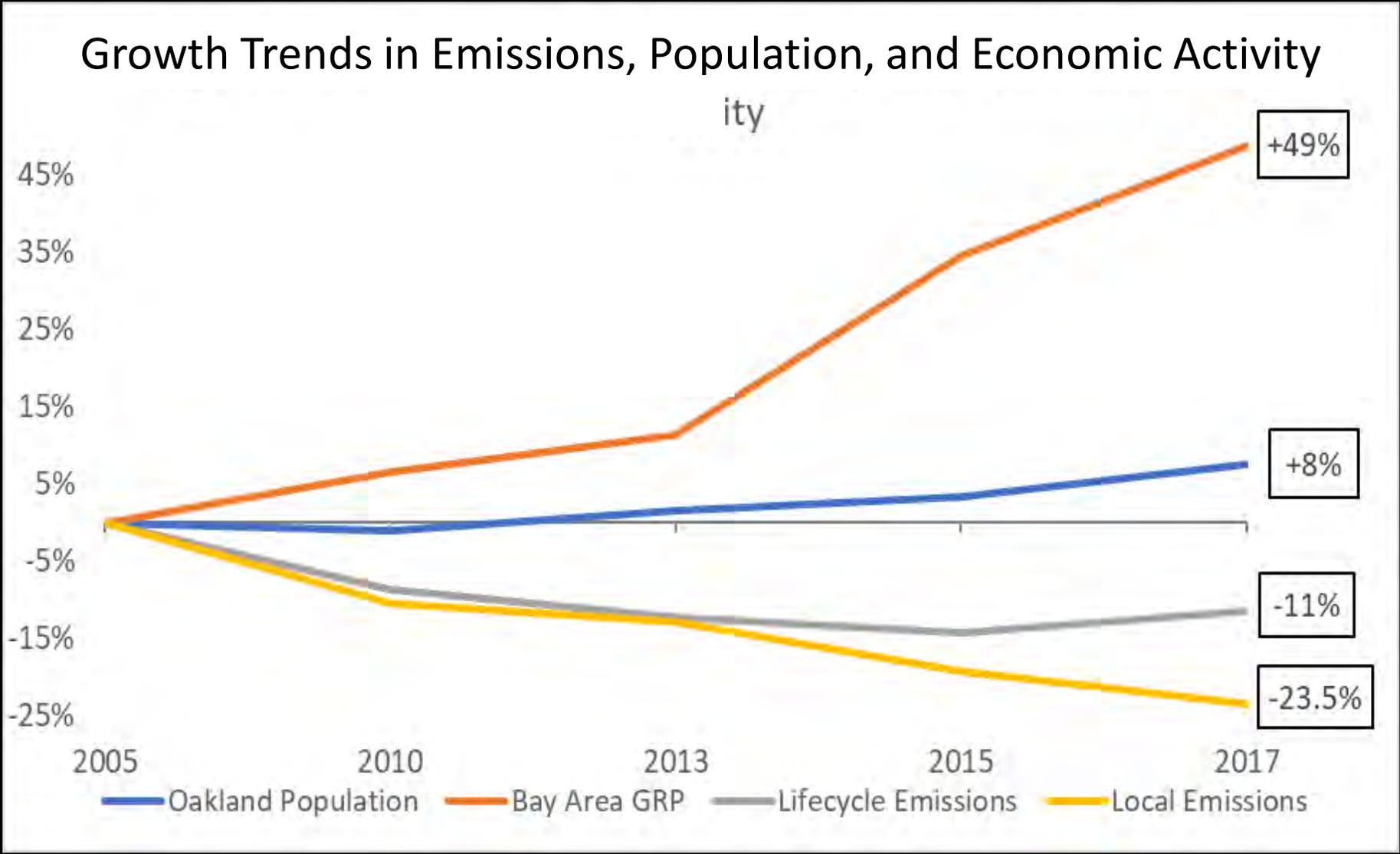
by 2030

83%

by 2050

* All targets are relative to 2005 emission levels. Progress is measured using the City's biannual GHG Emissions Inventory

Growth Trends in Emissions, Population, and Economic Activity

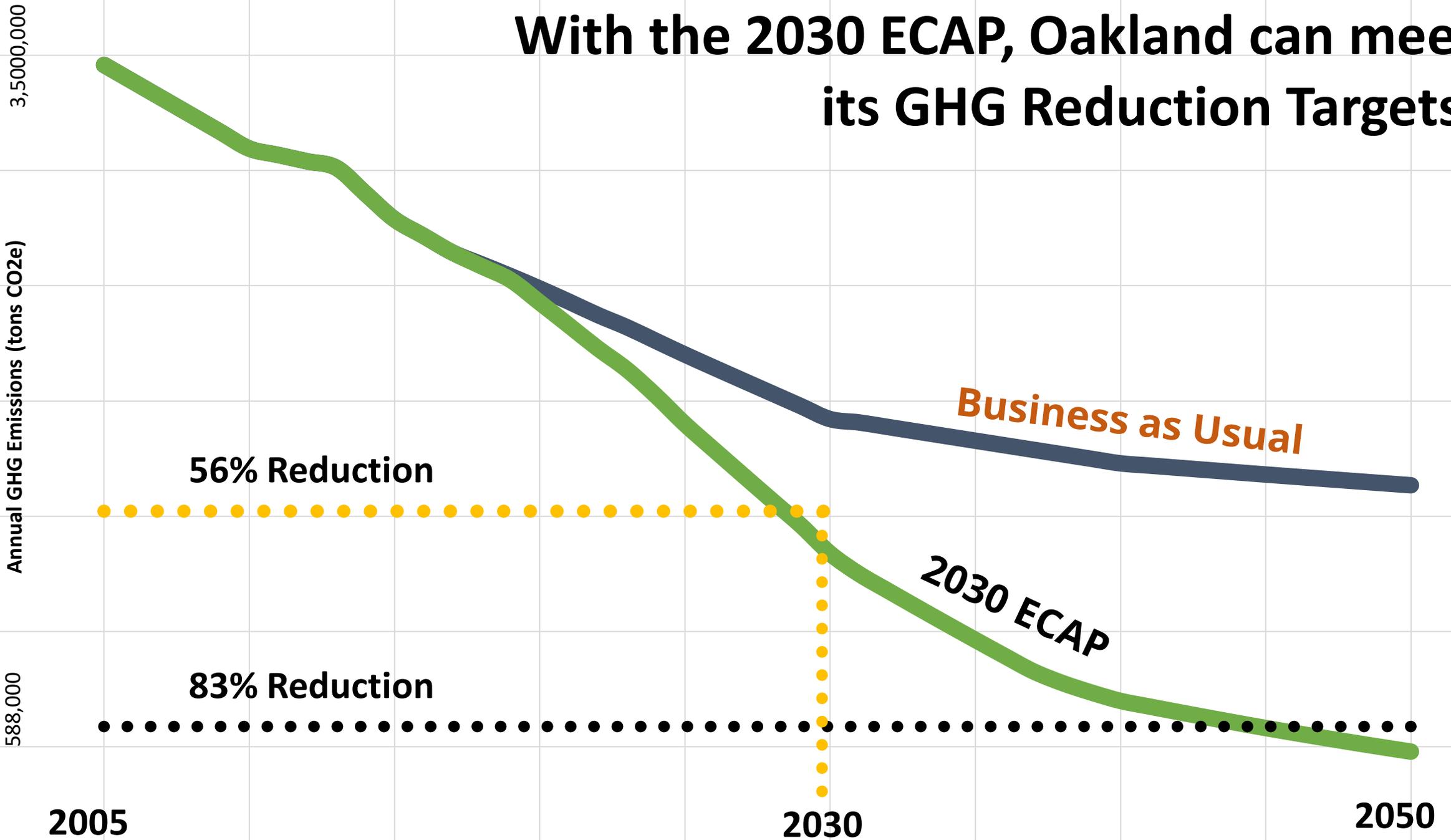


Text Description for the Preceding Graph

Reading from top to bottom:

- Gross regional product (orange line) increased 49% from 2005 to 2017
- Oakland population (blue line) grew 8% from 2005 to 2017
- Life cycle emissions (gray line) decreased 11% from 2005 to 2017
- Local emissions (yellow line) decreased 23.5% from 2005 to 2017

With the 2030 ECAP, Oakland can meet its GHG Reduction Targets.



Text Description for the Preceding Graph

Reading from top to bottom:

- Business-as-usual without additional actions (gray line) – Oakland fails to meet its 2030 and 2050 GHG reduction targets
- Implementation of 2030 ECAP actions (green line) – Oakland succeeds in meeting its 2030 and 2050 GHG reduction targets

Social, Racial, & Economic Equity

Oakland 2030 ECAP

How do we **STOP** Climate Change?

Local Emissions

Life Cycle Emissions

Carbon Removal

How do we **ADAPT** to Climate Change?

Resilient Infrastructure

Resilient Communities

Resilient Government

The 2030 ECAP will be the City's 10-year plan to reach Council's adopted target of reducing emissions by 56% and adapting to a changing climate, in ways that will increase equity and reduce racial disparities.

Equity in Climate Action

Many ECAP themes are critical to increasing equity in our city:

- Environmental Justice
- Civic Engagement
- Housing Security
- Public Health
- Green Jobs
- Resilience
- Food



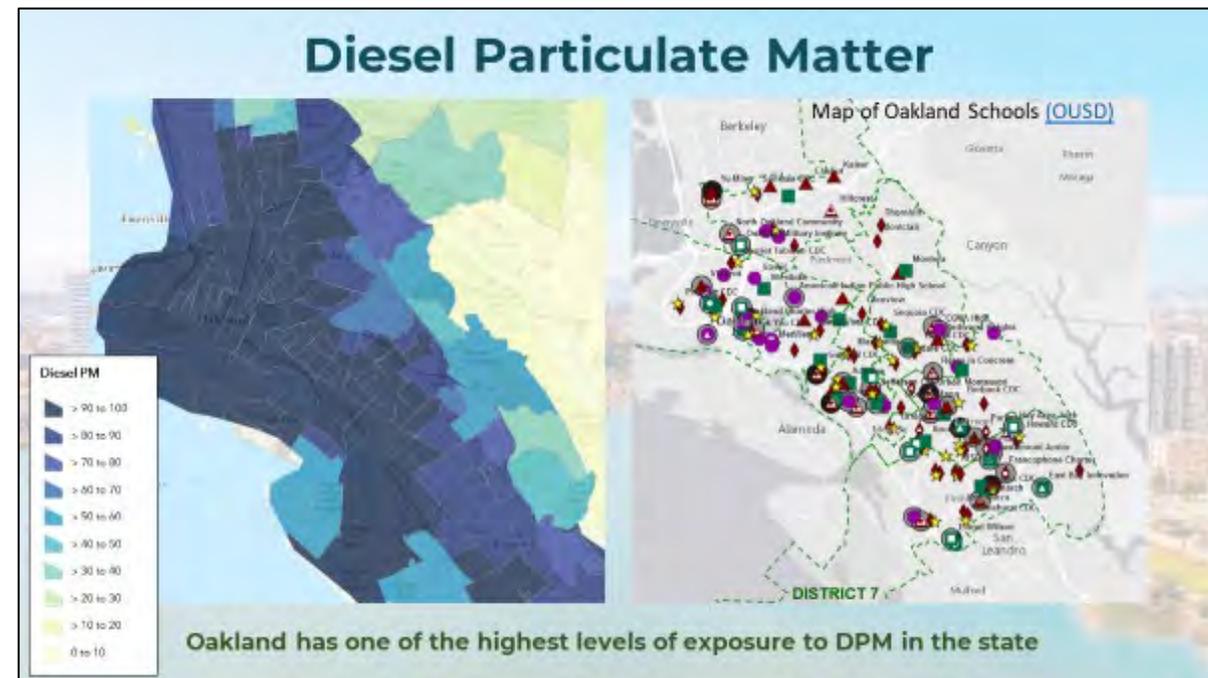
Developing the ECAP

- 8 Community Workshops
- Climate Equity Work Days
- Stakeholder meetings
- Pop-Up Engagement
- Online Survey
- Online portal
- Social media
- Online draft
- 2 Town Halls



Embedding Equity in the Plan:

- Iterative drafting with **Equity Facilitator** and ad hoc **Community Advisory Committee**
- Oversight from Department of Race and Equity
- Racial Equity Impact Assessment + Implementation Guide
- Data-Driven Analysis



Text Description for the Preceding Graphics

Reading from top to bottom:

- Top graph showing Oakland having one of the highest diesel particulate matter exposure levels in the state, especially in West and East Oakland
- Bottom graph showing emergency room visits for asthma being significantly higher in low-lying areas of Oakland than the hills.

The ECAP's Seven Sections

- 1. Transportation & Land Use:** Reduce vehicle miles traveled through active mobility, public transit, vehicle electrification
- 2. Buildings and Energy:** Eliminate fossil fuels
- 3. Material Consumption & Waste:** Support circular economy, minimize single-use plastics, eliminate organics in landfill, reduce food insecurity

ECAP Sections Continued

- 4. Adaptation:** Increase community & facility resilience, increase green infrastructure, understand vulnerabilities
- 5. Carbon Removal:** Increase urban forestry and carbon farming, explore other opportunities
- 6. Port Leadership:** Cleaner vehicles and energy
- 7. City Leadership:** Reduce fossil fuel dependence, innovate through leadership, launch the Oakland Climate Action Network

Racial Equity Impact Assessment & Implementation Guide

Developed by Environmental / Justice Solutions, with support of OCAC & Blue Star Integrative Studio

- Preliminary Equity Screen
- Equity-based Key Performance Indicators (KPI's)
- Best practices in equitable engagement, including guidance for Oakland Climate Action Network

It doesn't happen without Community Leadership...



GRID Alternatives

ENVIRONMENTAL EQUITY MARCH 2018

MOBILITY EQUITY FRAMEWORK

Greenlining Institute

HOW TO MAKE TRANSPORTATION WORK FOR PEOPLE



Original Scraper Bike Team



Food Shift

Text Description for the Preceding Photos

Reading clockwise from top left:

- Grid Alternatives
- Greenlining Institute
- The Original Scraper Bike Team
- Food Shift

Achieving Carbon Neutrality by 2045

Precedents: California, Santa Clara County, Fremont, Mountain View, Petaluma

- 1. Transportation:** Reduce number of vehicles; electrify those remaining
- 2. Buildings:** Work with EBCE & others to electrify all buildings by 2040, ensuring energy efficiency and storage
- 3. Waste:** Zero organics to landfill
- 4. Carbon Removal:** Ensure negative emissions beyond 2045 through urban forestry, proactive tree maintenance, and carbon farming