

Owning Our Air: West Oakland Community Action Plan



Bay Area Regional Collaborative
November 15, 2019



**West Oakland
Environmental
Indicators Project**
know which way the wind blows



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Ms. Margaret Gordon, Brian Beveridge, Co-Directors,
West Oakland Environmental Indicators Project
Henry Hilken, Director of Planning & Climate, BAAQMD

AB 617 Communities

Year 1

West Oakland – action plan

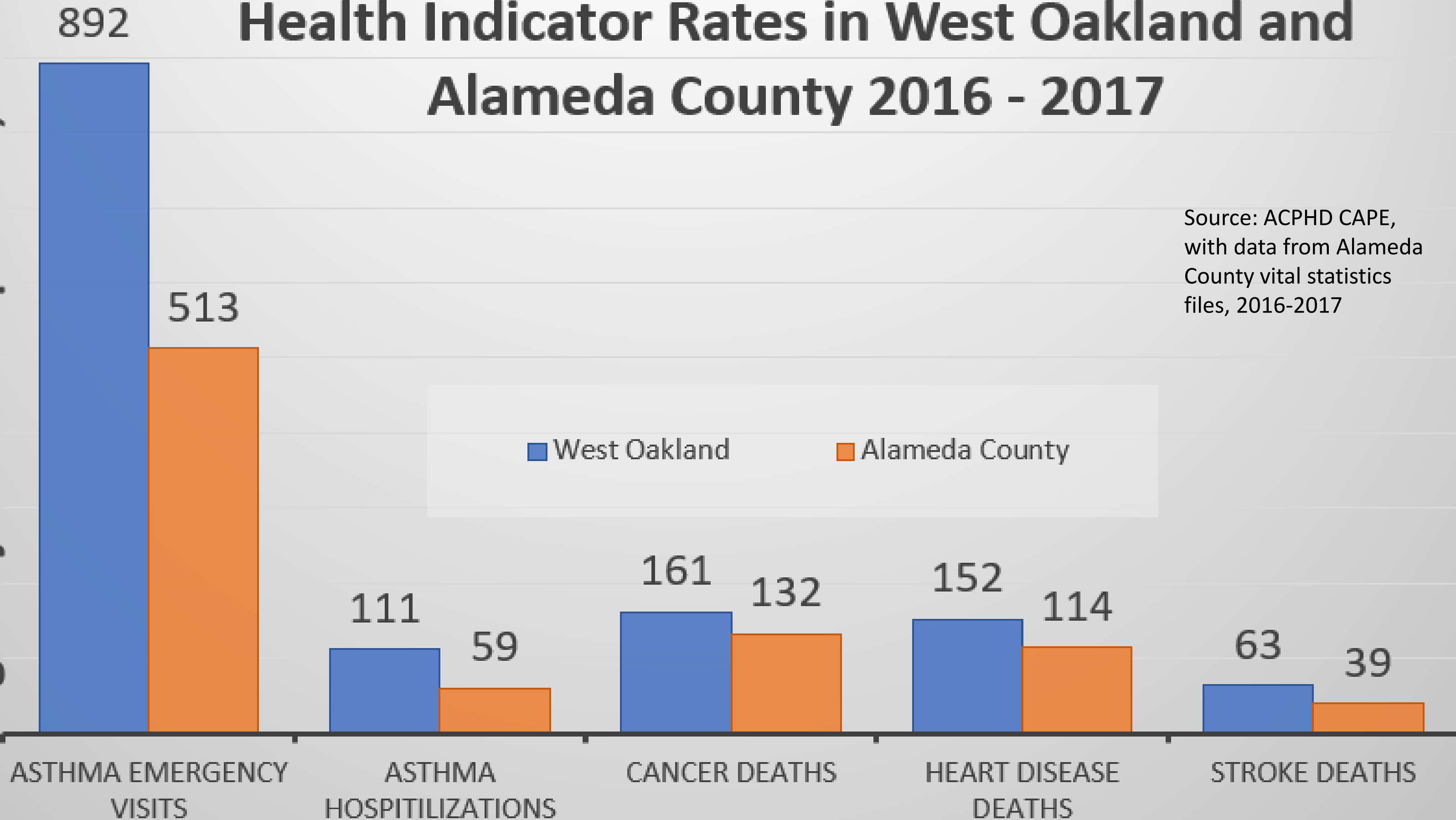
Richmond - monitoring



Health Indicator Rates in West Oakland and Alameda County 2016 - 2017

Source: ACPHD CAPE,
with data from Alameda
County vital statistics
files, 2016-2017

Age-Adjusted Rate per 100,000





Owning Our Air

Community and Government Partnership

- West Oakland Environmental Indicators Project and Air District were co-leaders of the process
- Partnership Agreement spelled out roles and responsibilities
- WOEIP established community Steering Committee, trained the Committee, provided leadership throughout the process
- Regular, robust, ongoing communication between WOEIP and Air District management and planning, technical and community engagement staff
- Transparency and access to all parts of the Air District to address SC concerns
- Co-leads review all materials for Steering Committee and community
- Co-design strategies focusing on equity and exposure
- Weekly “co-leads” meetings to manage steering committee and plan process⁴



Owning Our Air

The Steering Committee's Plan

- SC includes residents, advocates, youth, business, public agencies
- Meets monthly to guide process
- Contributes deep local knowledge of West Oakland
 - Where are people? Sources? Local issues?
- Built technical knowledge
 - Existing air quality studies, modeling vs. measuring, health data
 - Existing programs, enforcement, and agency responsibilities
- Steering Committee was responsible for developing Plan
 - Set goals and targets
 - Identified strategies to reduce emissions and exposure





Owning Our Air

Air Quality Measurements Inform the Plan



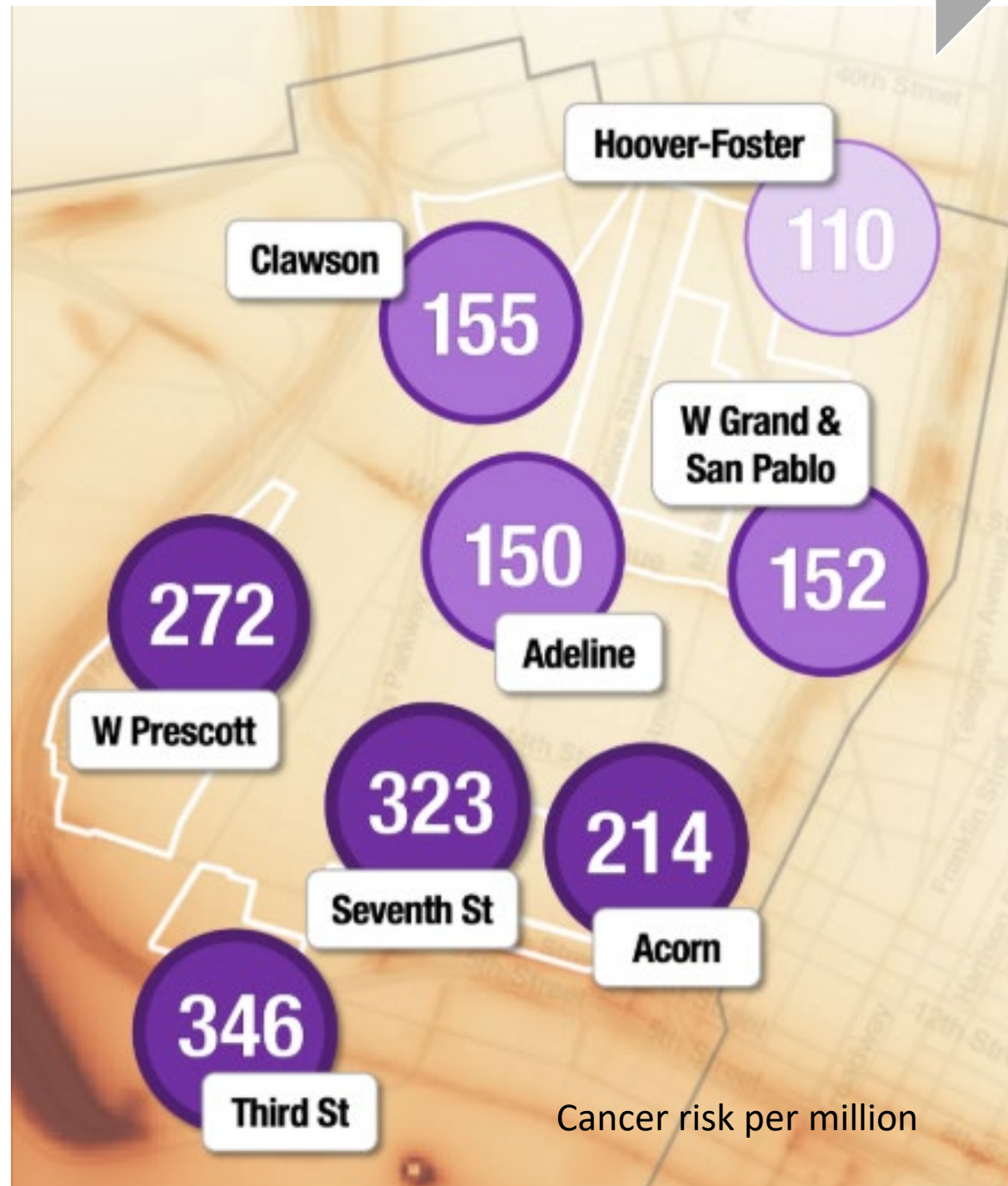
- EDF measured air quality in West Oakland in 2015 and 2016
- Measured black carbon, NO, NO₂ throughout West Oakland on multiple days
- Mapped areas with higher pollution levels
- Measurements supported 7 “impact zones” and targets in the Final Plan
- Similar measurements taken in the future will help track progress

● BC > 0.5 $\mu\text{g}/\text{m}^3$
■ Residential parcels

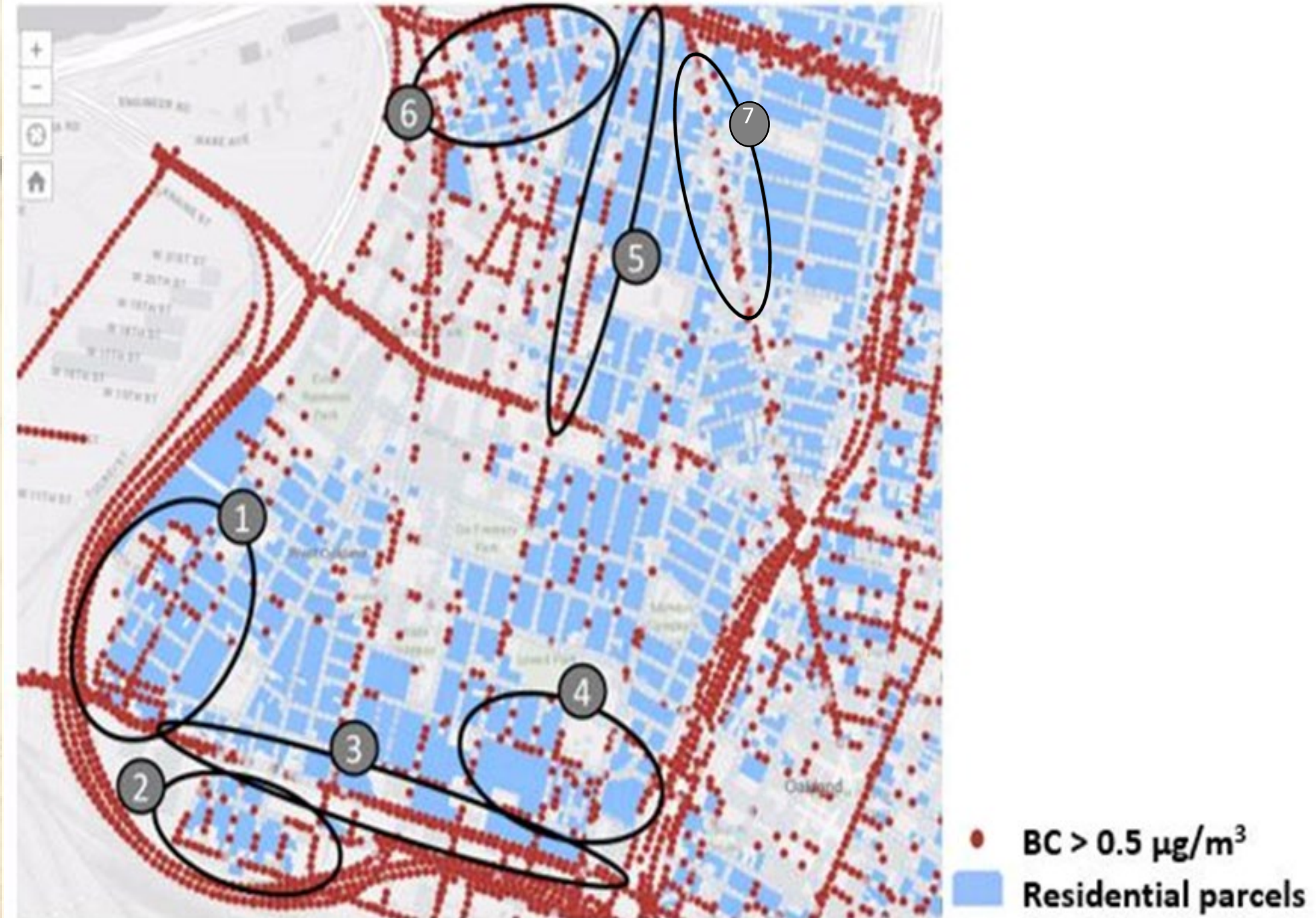
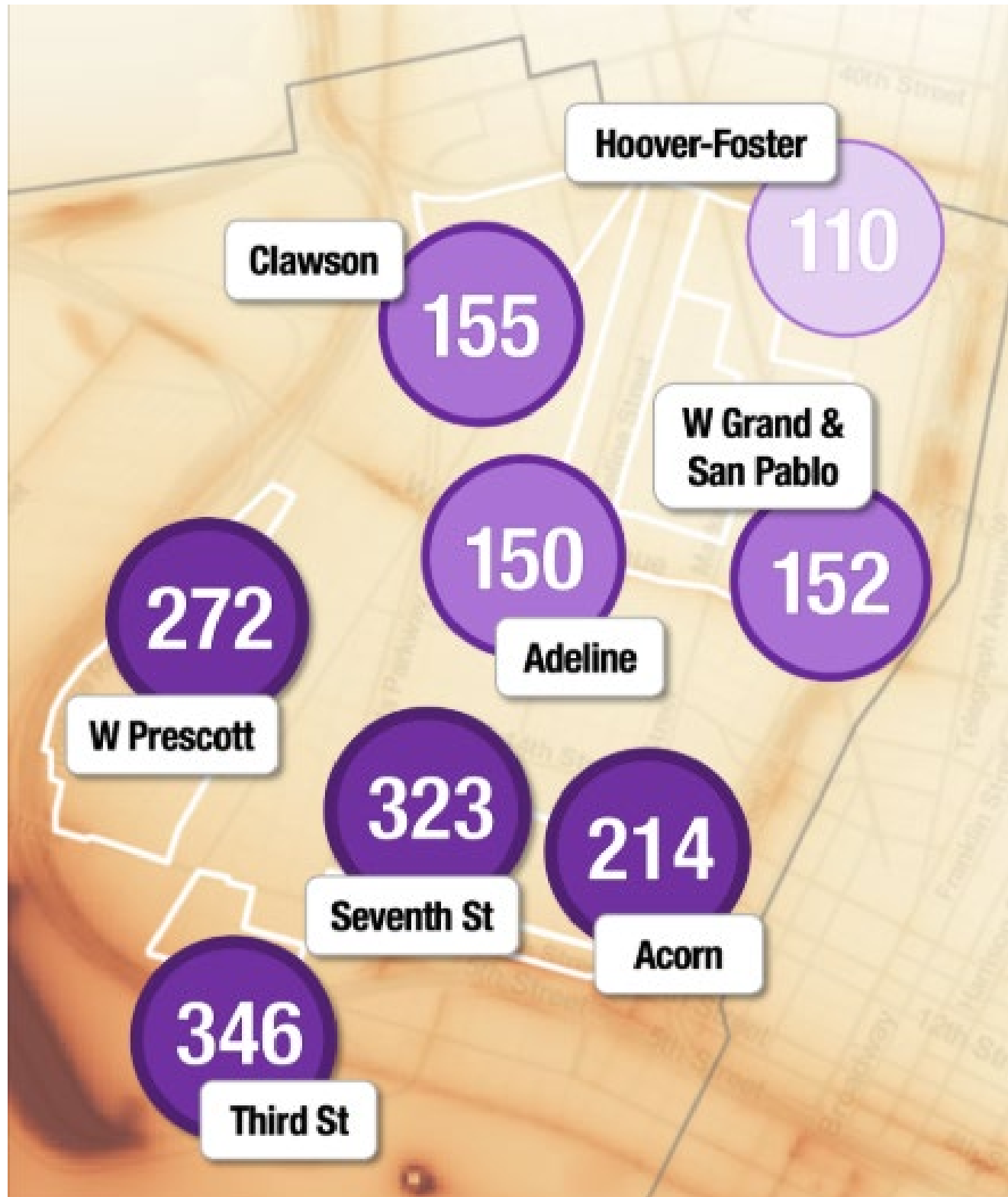


Owning Our Air

Air Pollution Block-By-Block



- Plan builds on existing West Oakland studies and data
- Local-level modeling and analysis
- Focus on PM_{2.5}, diesel PM, cancer risk
- Local exposure and pollution sources vary across West Oakland
- Science informs the targets and strategies





Owning Our Air

High standards for air quality and health

Goal:

To protect and improve community health by eliminating disparities in exposure to local air pollution

Targets:

By 2025: All neighborhoods experience West Oakland's average air quality

By 2030: All neighborhoods experience West Oakland's best air quality

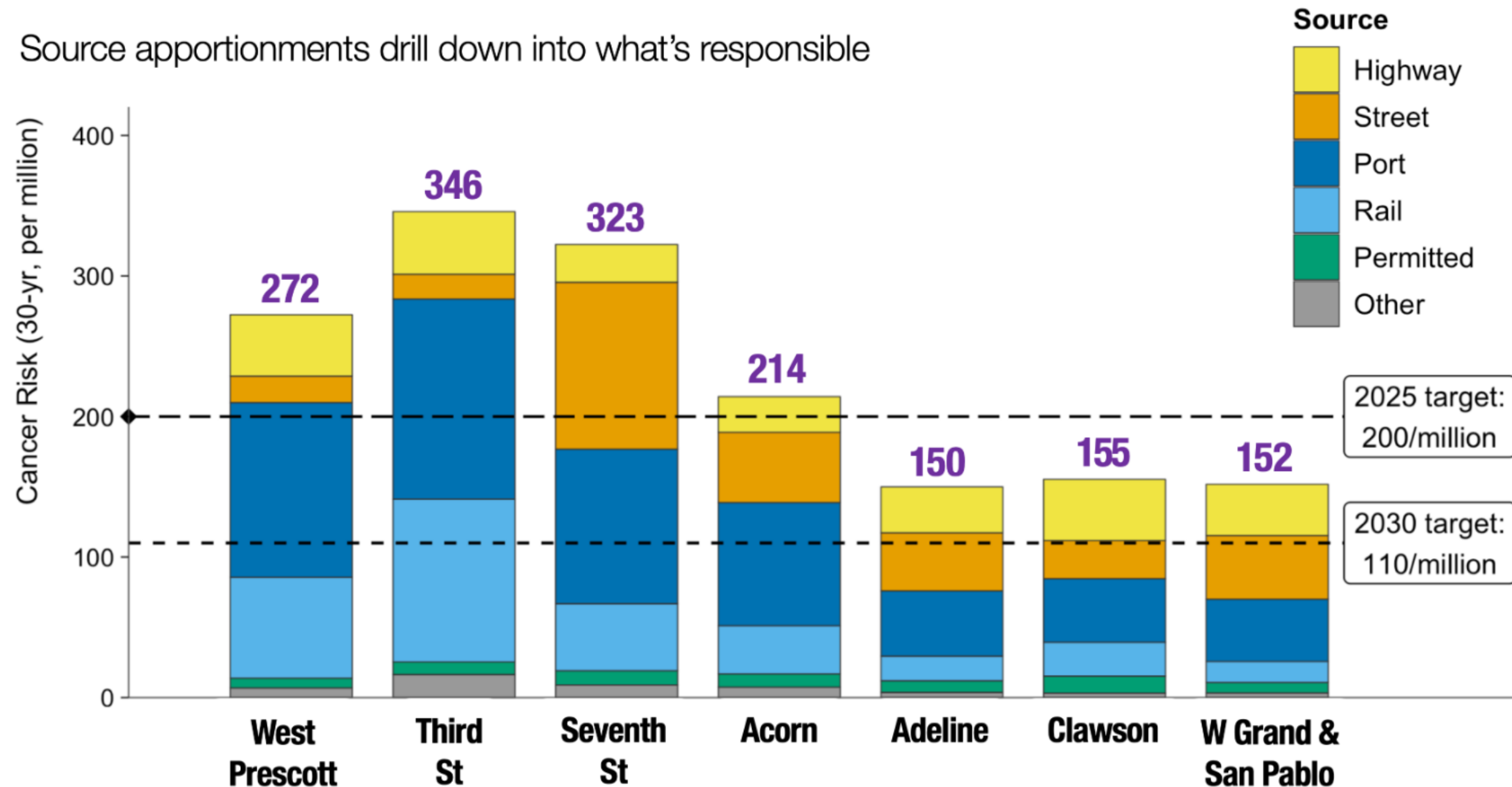


Owning Our Air

Neighborhood Sources and Targets

Cancer Risk

Source apportionments drill down into what's responsible



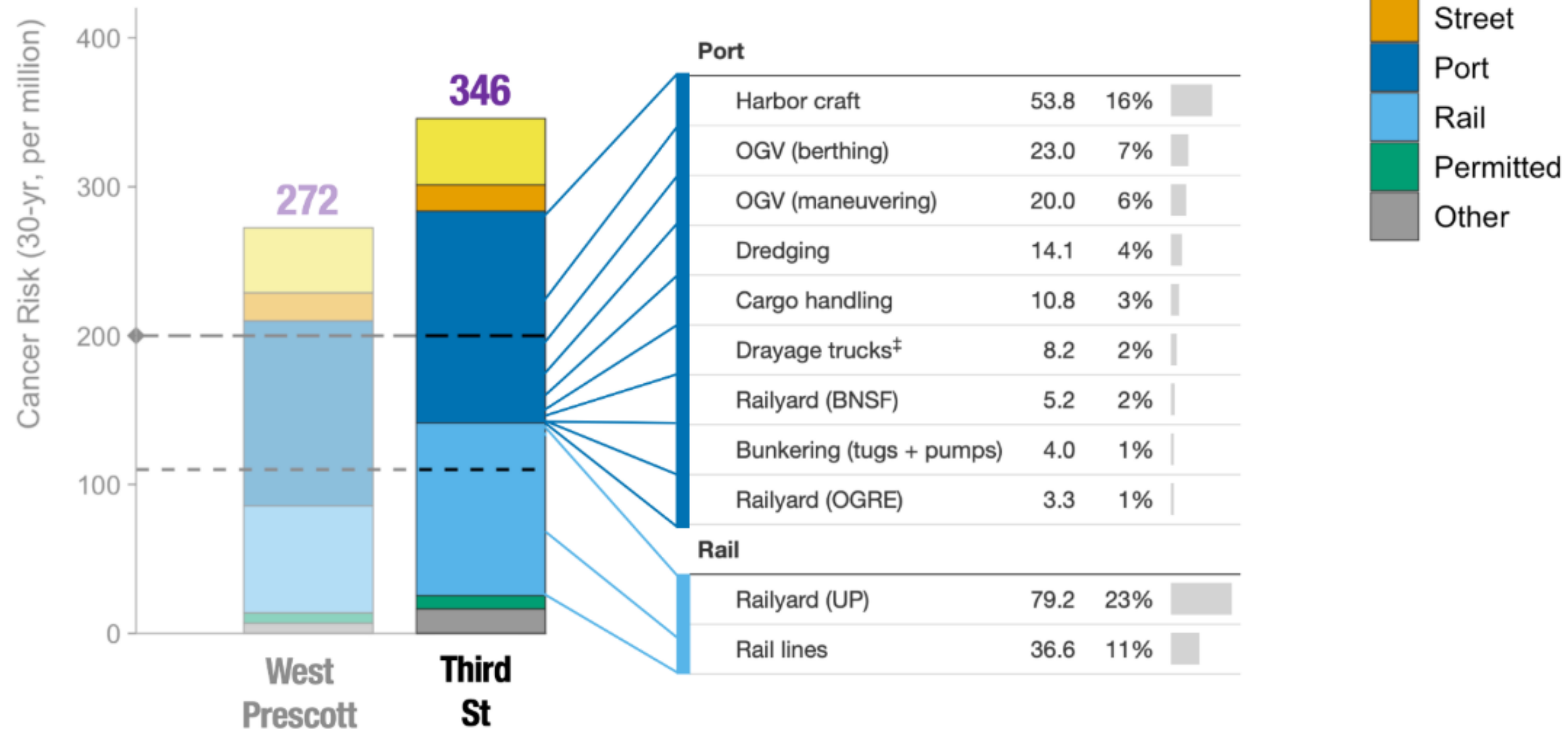


Owning Our Air

Neighborhood Pollution Contributors

Cancer Risk

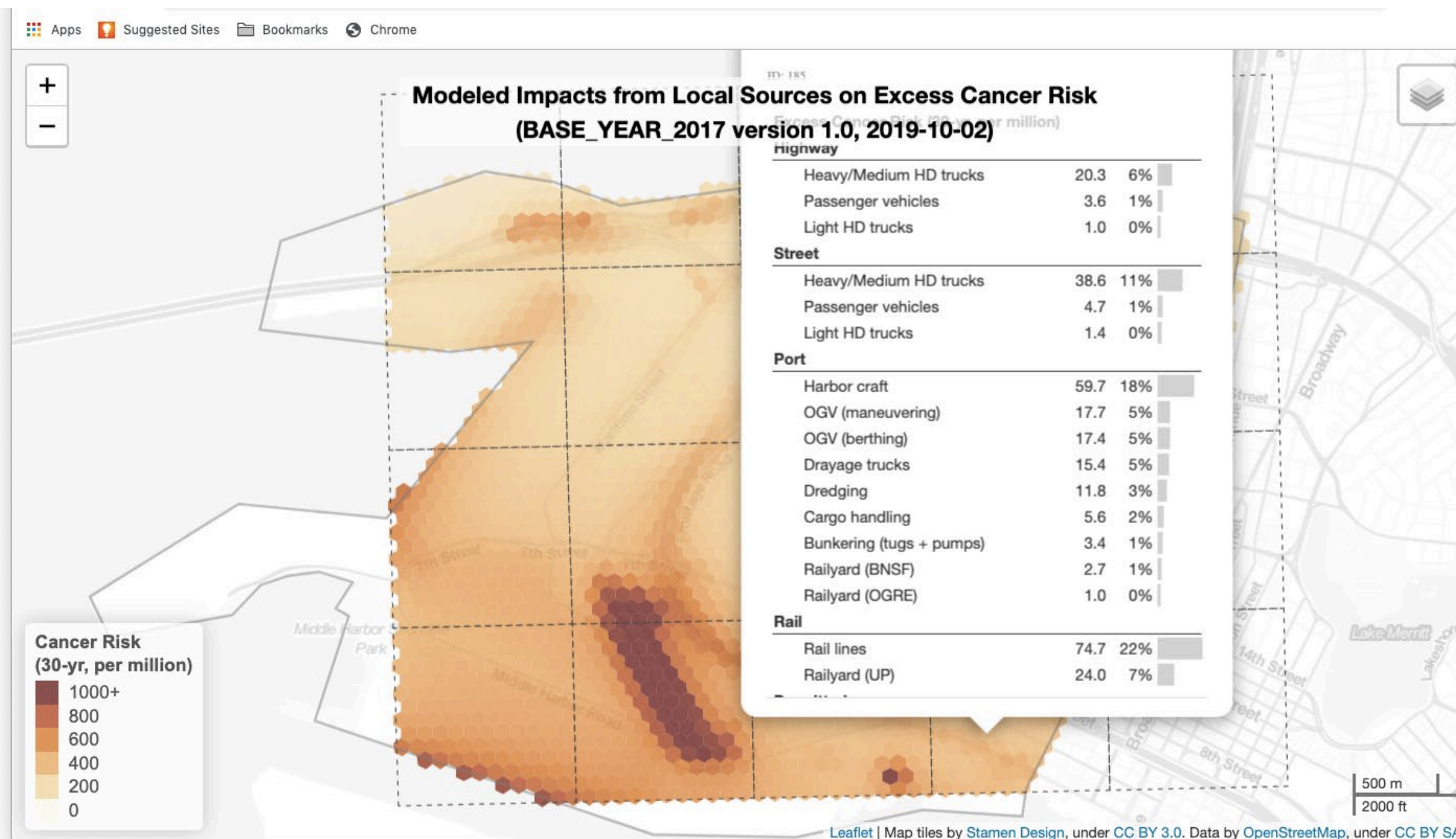
Source apportionments drill down into what's responsible





Owning Our Air

Drilling Down on Local Emissions and Local Exposure



West Oakland Strategies - Overview

Land Use

Relocate recycling businesses

Accelerate relocation of auto-repair & painting that conflict with West Oakland Specific Plan zoning

Incentives to relocate truck yards/repair, etc.

Trucks

Better route & parking enforcement

Stop idling in West Oakland

Incentives for cleaner trucks

More street sweeping

Other Mobile Sources

Incentives for cleaner rail, marine, off-road upgrades

Implement zero-emissions equipment

California Air Resources Board regulations

Car, bike incentives

Stationary Sources

New or amended regulations

Reduce risk from existing facilities

Incentives for stationary diesel engines

Enhanced enforcement

Health Programs

Exposure reduction (filtration, tree planting, etc.)

Expansion of County Asthma Management

Healthy Oakland Development Guidelines

Action needed by various agencies



Owning Our Air

The Final Plan

- Draft Plan released July 23 for public review and comment
- Community Town Hall meeting
- Broad community support
- Reflects work of Steering Committee
- Precedent setting local technical analysis
- Ambitious goal and targets
- 89 Strategies, plus an Enforcement Plan
- Plan adopted by Air District Board Oct. 2



OWNING OUR AIR

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

September 2019

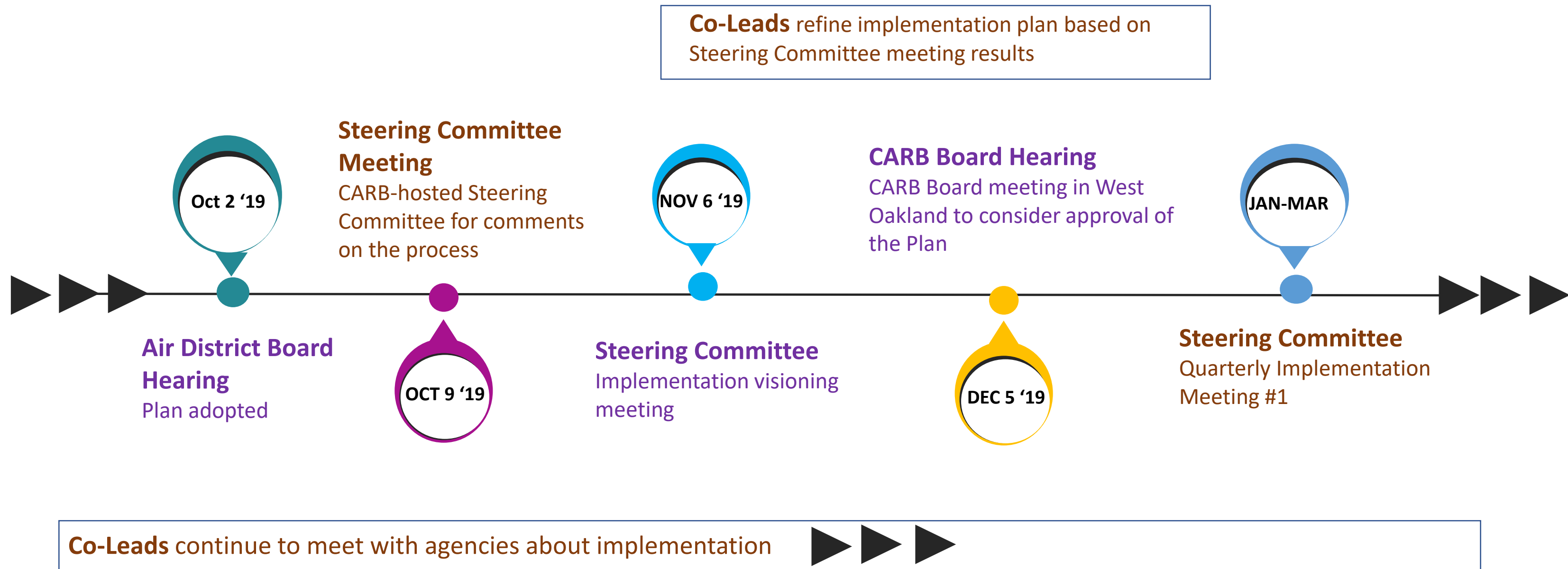
A joint project by the Bay Area Air Quality Management District and West Oakland Environmental Indicators Project

Owning Our Air

Recent and Next Steps



**West Oakland
Environmental
Indicators Project**
know which way the wind blows



<http://www.baaqmd.gov/ab617woak>