

Implementing AB 617

San Francisco Bay Area



Jack P. Broadbent
Executive Officer/Air Pollution Control Officer
March 18, 2019

AB 617 Communities

Year 1

West Oakland – action plan

Richmond - monitoring



Why West Oakland?



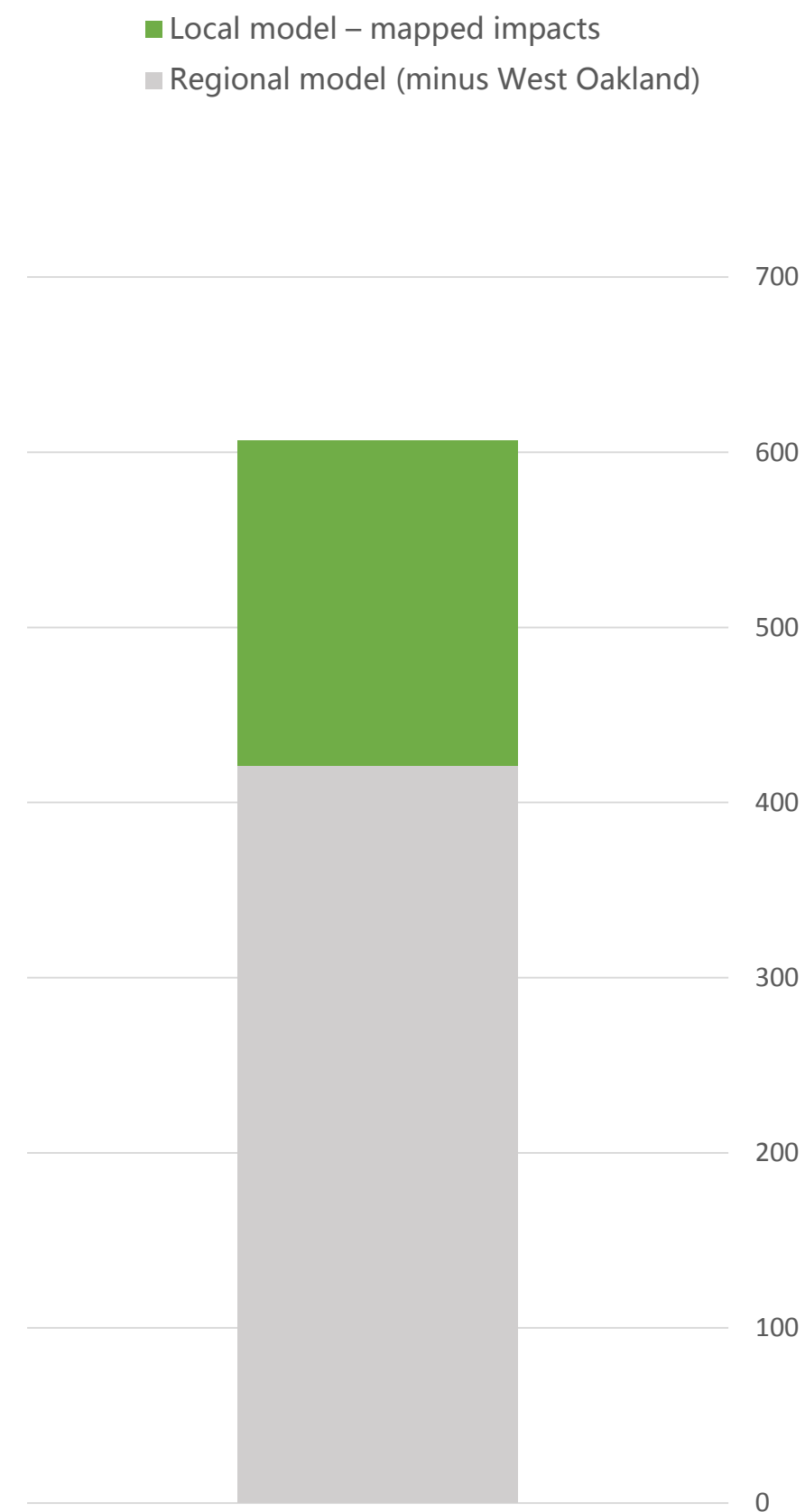
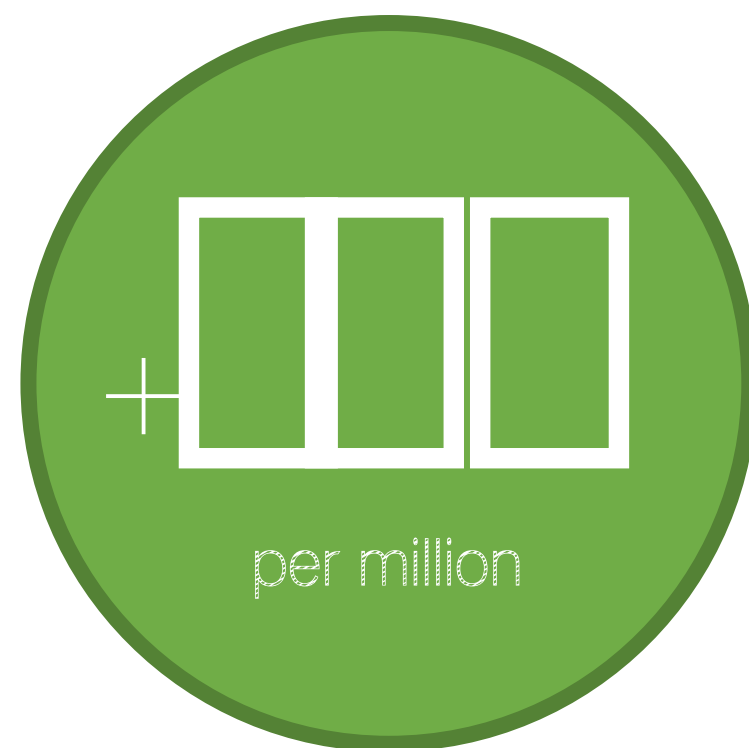
- West Oakland Indicators Project strong community partner to lead effort
- Very high mobile source emissions
 - Port of Oakland largest single source of DPM
 - Roadways contribute significantly to $PM_{2.5}$
- High health burdens and socio-economic vulnerabilities

Local Air Pollution: West Oakland

Top Contributors

- Trucks (33%)
- Marine vessels (31%)
- Permitted facilities (10%)

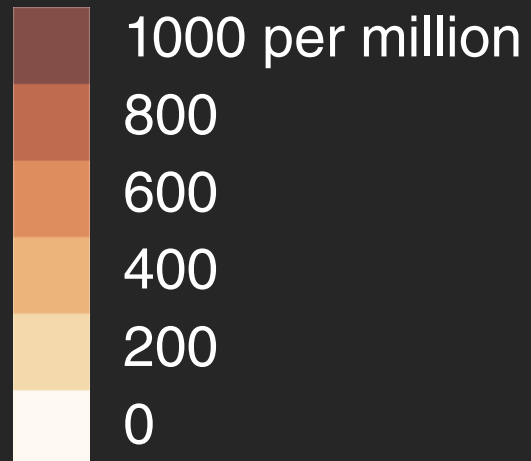
Cancer Risk



Note: cancer risk from construction was not modeled

Modeled Impact of Local Sources on Residential

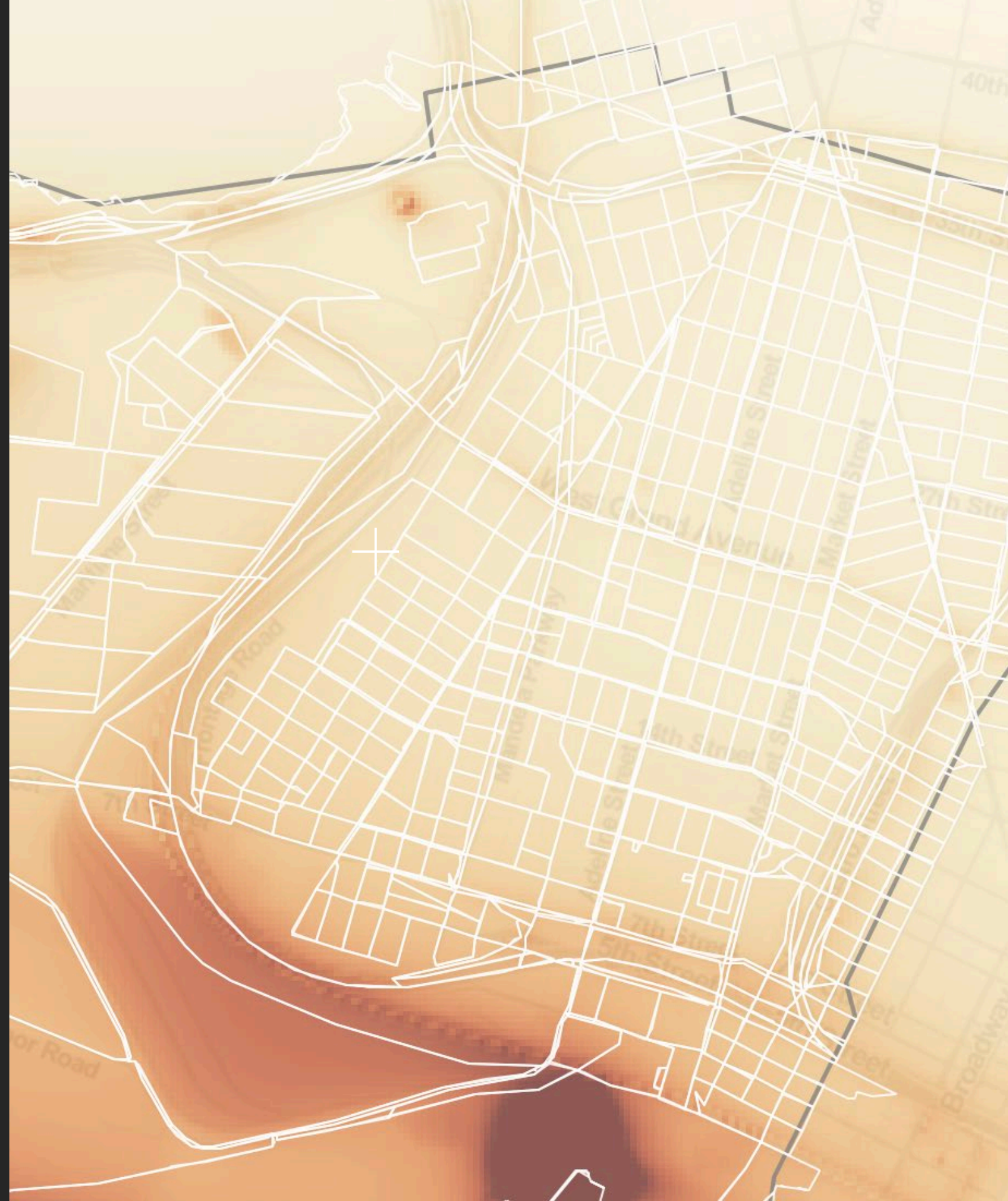
Cancer Risk



Top Contributors:

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DRAFT 2019-03-04



Highway			
Heavy/Medium HD trucks	20.3	11%	■
Passenger vehicles	5.3	3%	■
Light HD trucks	1.3	1%	■
Street			
Heavy/Medium HD trucks	23.1	12%	■
Passenger vehicles	5.3	3%	■
Light HD trucks	1.5	1%	■
Port			
Harbor craft	22.6	12%	■
OGV (berthing)	16.6	9%	■
OGV (maneuvering)	10.5	6%	■
Cargo handling	3.4	2%	■
Drayage trucks [†]	3.1	2%	■
Railyard (OGRE)	2.2	1%	■
Dredging	1.9	1%	■
Railyard (BNSF)	1.6	1%	■
Bunkering (tugs + pumps)	1.0	1%	■
Rail			
Railyard (UP)	18.2	10%	■
Rail lines	14.9	8%	■
Permitted			
Schnitzer (stationary)	13.4	7%	■
EBMUD	2.1	1%	■
Other facilities	1.3	1%	■
Other			
Schnitzer (trucks)	7.4	4%	■
Ferries	5.7	3%	■
Schnitzer (ships at berth)	2.3	1%	■
Truck-related businesses	1.0	1%	■

Action Plan Strategies

- Steering Committee is working to identify strategies
- Focus: Incompatible land uses, trucks, Port of Oakland, enforcement and clean technology



Challenges

Limited accountability

- Responsible agencies not required to change policies that create air pollution impacts

Limited authority

- Air District, who is accountable under AB 617, has no land use, mobile source authority

Limited enforcement of existing ordinances

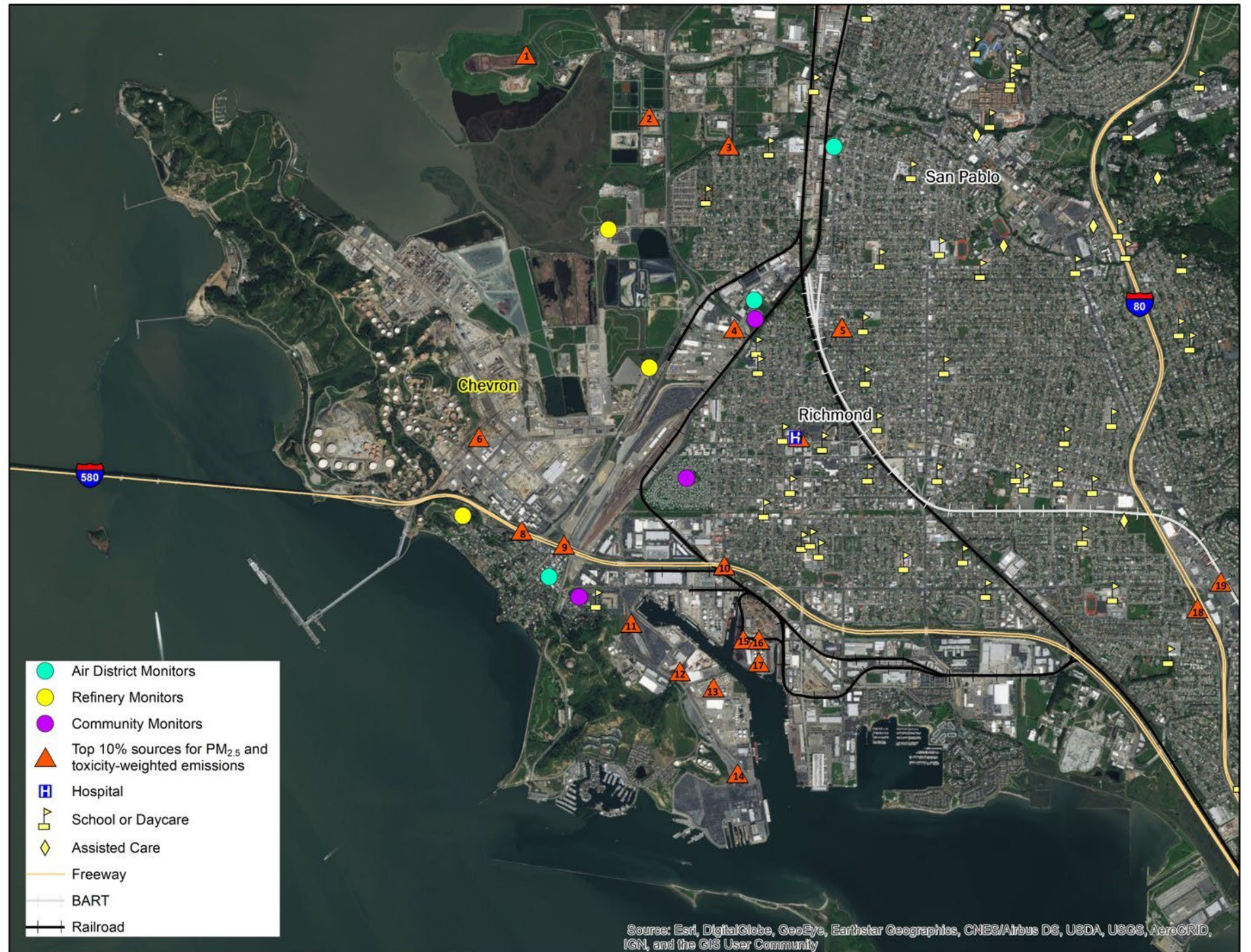
- Nonconforming land uses, truck routes, parking, idling, and clean truck standards

Tight Timelines

- Legal requirement to identify strategies early, capacity building, local technical assessment

Why Richmond?

- High emissions from stationary and mobile sources:
 - Refinery, chemical plant, landfills, water treatment facility, metal scrapping, marine terminals, freeways, port
- High health and socio-economic vulnerabilities
- Measured air quality does not fully explain observed health issues
- Data from monitoring is needed to identify air quality issues and related sources to build successful emission reduction strategies



COMMUNITY-LED PROCESS IN RICHMOND

CARRY SUCCESS FORWARD

Co-leads and Steering Committee will ensure an inclusive, transparent process with shared goals, creating a greater impact.



BUILT BY COMMUNITY

Process is community-developed, to build trusting relationships and authentic participation.

COMMUNITY SUMMIT

Community had an opportunity to shape their own process, including steering committee members and decision-making.

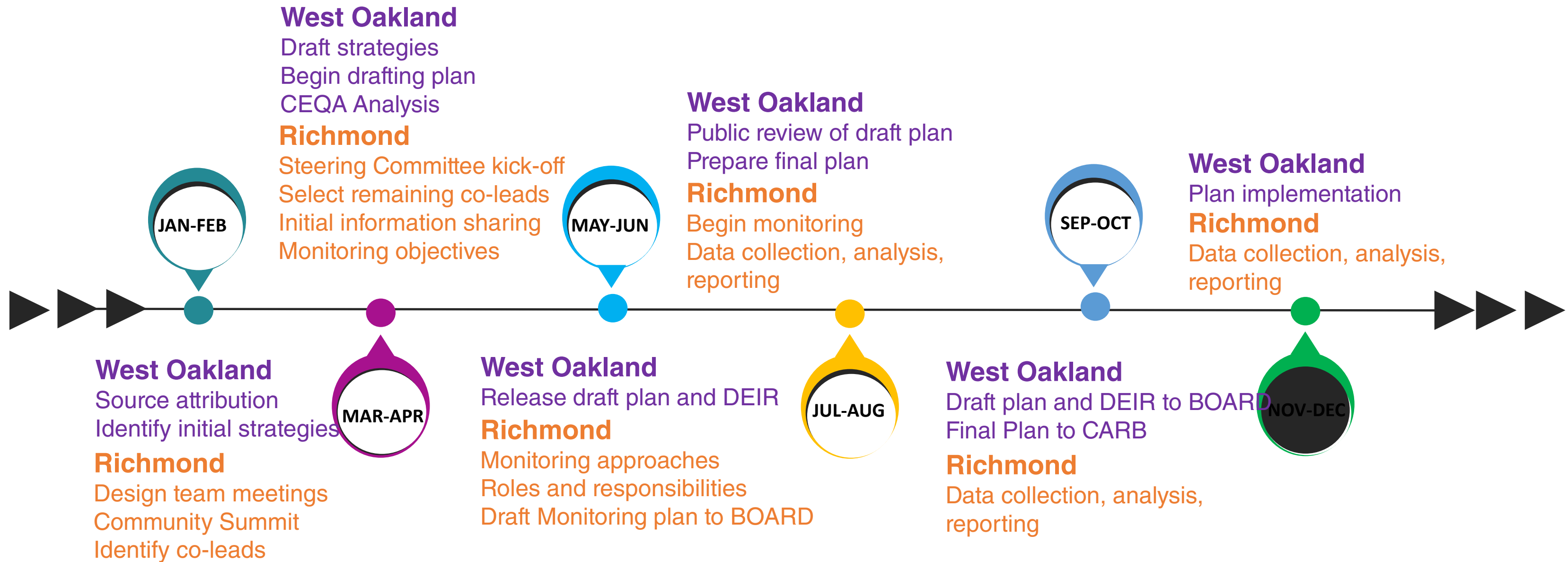


DESIGN TEAM

Community planned summit to get input on their design for steering committee process



2019 Milestones: Year 1 Communities



Funding Challenges

Program Component	Current Costs ¹ (2 communities)	Projected Cost ² (4 communities)
Community Monitoring	\$4.1 million	\$5.8 million
Emission Reduction Plans	\$2.1 million	\$3.5 million
Community Engagement	\$1.4 million	\$2.4 million
BARCT Review	\$0.3 million	\$0.3 million
Emissions Reporting	\$1.3 million	\$1.3 million
CTR Changes	\$0.8 million	\$2.4 million
Total	\$10.0 million	\$15.7 million

1. 1 CERP; 1 monitoring

2. existing communities, plus 1 additional CERP and 1 additional monitoring plan

AB 617 Proposed Changes

Phase 1: Build Capacity – up to 2 years

Build community relationships, form community collaboratives
Air District and community evaluates technical information, new modeling
Implement strategies identified by communities in needs assessments

Phase 2: Monitoring – up to 2 years *(if needed)*

- Form Steering Committee
- Community-led plan for monitoring
- Collect community-scale actionable data, perform analyses to inform Action Plan

Phase 3: Action Plan – 1 year

Form/continue Steering Committee
Set emission reduction targets
Develop emission reduction strategies

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Questions?

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