BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

West Oakland
Environmental Indicators Project
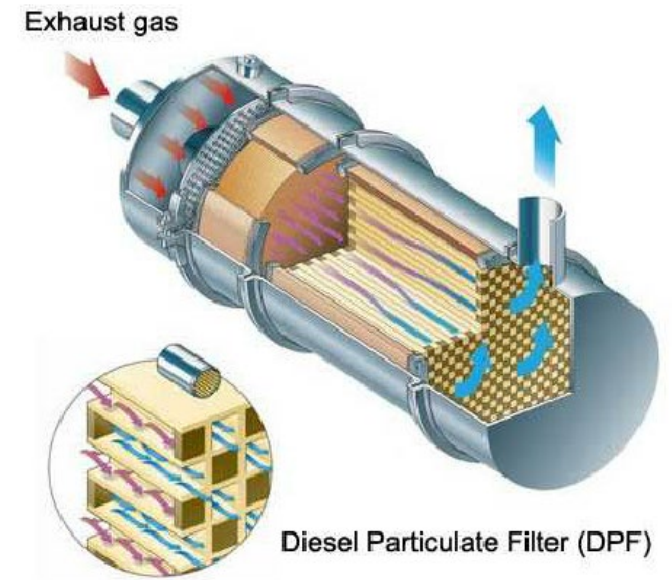
West Oakland Community Action Plan Status

Yvette DiCarlo
Acting Manager, Air Quality Planning
Planning Division, BAAQMD
May 1, 2019

What's the Plan?

We're creating a Blueprint

Exhaust gas

Diesel Particulate Filter (DPF)

Basic Elements of an Air Quality Plan

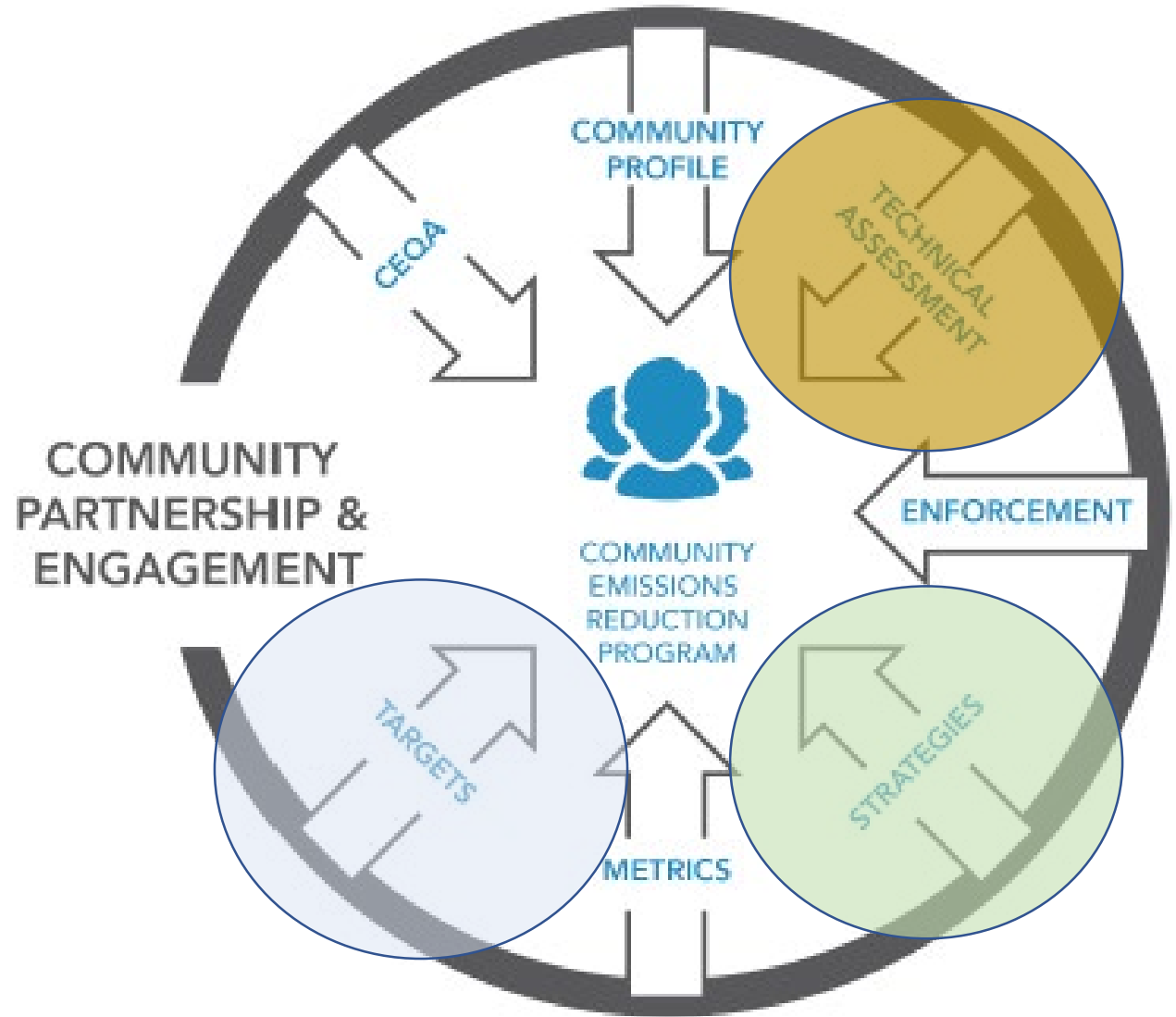**Pollution Sources** ———— **Goals/Targets** ———— **Control Strategies**

| Identify sources of pollution | Define what a successful plan looks like | How will emissions be reduced? |

CARB Blueprint Requirements

Proposed Plan Outline

Introduction

Purpose/Scope

Community Description

Goals & Targets*

Existing Plans

Technical Assessment

Community Engagement

Strategies – Authorities, strategies, implementation schedule*

Funding*

Enforcement Plan

Tracking Progress (metrics)*

*Pending Steering Committee discussion

Plan Adoption Timeline

Steering Committee Kick-off

We are here

Circulate draft Plan/CEQA DEIR
(45-day comment period)

Prepare Final Plan

May 2019

By Oct. 2019

July 2018

Mid-June 2019

Aug. 2019

- Goals & targets
- Criteria for strategies
- Tracking Tools
- Write draft plan

Public comments due

Adopt Plan

West Oakland
Environmental Indicators Project

Goal and Targets

Brian Beveridge, WOEIP

Goal

Protect and improve community health by reducing disparities in exposure to local air pollution

Targets

Reduce local emissions to reduce the cumulative impact in the most impacted Story Map Zones from modeled local sources for

- Diesel particulate matter (Diesel PM)
- Fine particulate matter ($PM_{2.5}$)
- Cancer risk from toxic air contaminants

By **2025**: Zones are as **clean as today's average residential neighborhood**

By **2030:** Zones are as **clean as today's cleanest residential neighborhood**

Targets

| Pollutant	2025 Target (Average Residential Neighborhood)	2030 Target (Cleanest Residential Neighborhood)
Diesel particulate matter	0.3 ug/m^3	0.1 ug/m^3
Fine particulate patter (PM$_{2.5}$)	1.7 ug/m^3	1.2 ug/m^3
Toxic Air Contaminants	180 cancer cases per million	100 cancer cases per million

Extra Slides for reference

Modeled Impact of Local Sources on Residential

Diesel PM

Top Local Contributors*

- Trucks (**50%**)
- Marine Vessels (**28%**)
- Rail (**16%**)

* cancer risk from construction was not modeled

1.0 μg/m³
0.8
0.6
0.4
0.2
0

+**0.3**
μg/m³
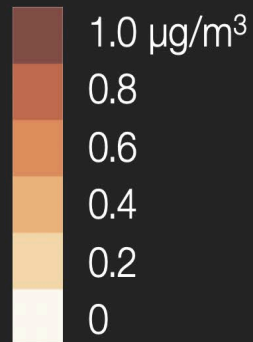
DRAFT 2019-04-23

Impacts on Diesel PM (μg·m⁻³)			
Highway			
Heavy/Medium HD trucks	0.056	19%	
Passenger vehicles	0.005	2%	
Light HD trucks	0.002	1%	
Street			
Heavy/Medium HD trucks	0.070	24%	
Passenger vehicles	0.005	2%	
Light HD trucks	0.002	1%	
Port			
Harbor craft	0.030	10%	
OGV (berthing)	0.022	7%	
OGV (maneuvering)	0.014	5%	
Dredging	0.008	3%	
Drayage trucks‡	0.006	2%	
Cargo handling	0.005	2%	
Railyard (OGRE)	0.003	1%	
Railyard (BNSF)	0.002	1%	
Bunkering (tugs + pumps)	0.001	0%	
Rail			
Railyard (UP)	0.024	8%	
Rail lines	0.020	7%	
Permitted			
EBMUD	0.002	1%	
Other facilities	0.001	0%	
Other			
Schnitzer (trucks)	0.010	3%	
Ferries	0.003	1%	
Schnitzer (ships at berth)	0.003	1%	
Truck-related businesses	0.001	0%	
	0.295	100%	

Reference Slide: Story Map Zones (EDF)

Reduce disparities: Raise up Zones to cleanest West Oakland neighborhood conditions

Strategies & Criteria

Ms. Margaret Gordon, WOEIP
Alison Kirk, BAAQMD

Strategies

Grouped strategies by readiness

1. Ready to go?

2. Policy changes are required?

3. A Study or a Pilot project?

Criteria

How to prioritize strategies for implementation.

Does the Strategy:

1. Directly reduces emissions, exposure, or both?

2. Specifically addresses a Zone?

3. We will see progress by 2025?

4. Is funding available now?

5. Is technically feasible now?

Plan
Implementation Requirements

Alison Kirk, BAAQMD

CARB Implementation Requirements

Steering Committee

- Public meetings quarterly
- Guide implementation
- Track metrics
- Update Plan as needed based on new data

Air District
- Implement Plan
- Maintain and update webpage
- Annual progress reports & reports to Air District Board