OWNING OUR AIR
THE WEST OAKLAND COMMUNITY ACTION ACTION PLAN
ANNUAL REPORT

NOVEMBER 2020
What is the Plan?
Owning our Air: The West Oakland Community Action Plan

A joint effort of the West Oakland Environmental Indicators Project (WOEIP), the Bay Area Air Quality Management District (Air District), and a community Steering Committee

The title reflects the belief that self-determination is key to successful environmental justice action

Adopted by the Air District in October 2019

Adopted by the California Air Resource Board (CARB) in December 2019

More info click [here](#)
Built on Trust

Long-standing relationship between WOEIP and the Air District working on air quality research and planning in West Oakland

CARE (Community Air Risk Evaluation Program) Task Force 2004-2013

West Oakland Truck Survey (2009)

Maritime Air Quality Improvement Plan (2009), Seaport Air Quality 2020 and Beyond Plan

West Oakland Specific Plan (2014)
Air District completed ground-breaking community-level modeling work to better understand local emissions and exposure

Steering Committee comprised of community members and agency staff provided expertise and knowledge to collectively craft Plan strategies, goals and targets

Community Centered Planning

Charles Tyrone Reed, Co-Chair Land Use
WOEIP leadership in response to COVID-19 includes facilitating engaging and well-attended remote Steering Committee meetings.

Community members have stepped up to Co-chair Implementation Subcommittees, taking on increasing responsibility and ownership over implementation.

WOEIP launched the “Oakland’s Very Own” speaker series to provide a place for community to learn more about West Oakland’s rich history.
"the Community Action Plan is a process that we’ve been waiting for, for over 25 years"

- Ms. Margaret
Co-Director of WOEIP
Owning Our Air Goal and Targets

**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 zones* from modeled local sources for diesel particulate matter (Diesel PM), fine particulate matter (PM$_{2.5}$) and 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*
Plan Strategies and Measures

**Strategies**
- 28 Air District Strategies
- 16 CARB Strategies
- 45 Partner Strategies

**Enforcement Measures**
- 6 Air District Measures
- 8 CARB Measures

**Further Study Measures**
- 6 Air District Measures
- 8 CARB Measures
Implementing the Plan
Co-leads working closely with community and agency partners on implementation

Four subcommittees meeting to develop new leadership and drive implementation

Implementation criteria including centering equity

Steering Committee continues meeting monthly – remotely due to COVID-19
Implementation Approach

Continued Community Engagement

- 9 Steering Committee meetings
- 24 Subcommittee meetings
- Approximately 40 Co-leads meetings
- Approximately 50 Inter-agency meetings

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Implementation Approach

Four Subcommittees formed to focus on partner agency strategy implementation:

- Transit/Bike/Walk
- Land Use
- Port & Freight
- Health & Living Buffers

Subcommittees are Co-chaired by one community member and one agency member
Implementation Approach

Criteria Framework

Equity at center
Neighborhood benefits & impacts
Reduce emissions exposure to improve health outcomes
Explore funding options and alternatives
Implementation Approach

Type & Level of Effort

- Stay informed
- Be consulted
- Get involved
- Actively participate
- Drive the decision
Implementation Approach

Equity at Center

Steering Committee and Subcommittees are focused on centering equity in strategy implementation:

- Partnership with City of Oakland Department of Race and Equity, including training and support to Implementation Subcommittees and Steering Committee
- Subcommittees are assessing equity implications of all partner strategies
Implementation Approach

Build on City’s Equity Indicators

Provides a framework to guide equity analysis

Helps identify existing conditions, inequities and institutional barriers to environmental justice

Allows us to clarify for ourselves and others what the Plan strategies seeks to address

Prevents unintended consequences
Implementation Approach

Questions that place Equity at Center

- What is the intended racial equity outcome of the strategy, (who might benefit)?
- Are there unintended consequences of the strategy (who might be burdened)?
- How will we measure our success in reaching the racial equity outcome of the strategy?
"Your timing is so perfect, we want to make the most of it, we don’t want to miss this moment"

- Darlene Flynn
  Director, Oakland Office of Race and Equity
Progress on Implementation
Progress on Implementation

- Steering Committee is meeting monthly
- Four subcommittees are meeting monthly to drive implementation
- Air District and CARB are advancing their strategies
- Technologies and incentives are reaching the community
- Enforcement measures are underway
Early Implementation Wins

Air District funding for low-emission equipment
- 16 gantry crane engine replacements at the SSA Terminal
- 12 tugboat engine replacements approved or paid
- 1 new switcher locomotive paid

CARB adopted At-Berth and Advanced Clean Truck regulations

Installed MERV 16 air filtration systems at
- KIPP Bridge Academy Charter School
- Martin Luther King, Jr. & Lafayette Elementary
- Hoover Elementary
- Prescott School
Early Implementation Wins

City of Oakland grant applications for bicycle, pedestrian, street trees, truck management, and transit improvements identified in Owning Our Air

City of Oakland and Port of Oakland are implementing relevant strategies in the West Oakland Truck Management Plan:

- New signage
- More effective trucker outreach
- Adoption of new street parking rules for trucks and trailers
Progress on Implementation

Early Implementation Wins

- Community-inspired resource materials
- Co-created by Air District staff and community members
  - See the Brochure
  - See the Poster
Progress on Implementation

Owning our Air in the News

NBC News - Low-income California communities enact plan to fight disproportionate air pollution (April 7, 2020)

Oakland North - Plan to reduce West Oakland air pollution heads to state for approval (October 21, 2019)

SF Gate - Air Quality District Approves Plan To Improve Air In West Oakland (October 4, 2019)

Oakland North - West Oakland slated to benefit from plan to reduce air pollution (September 24, 2018)
Subcommittees
Most enthusiasm and energy around:

- Implement Citywide urban canopy plan (#10)
- Knowledge sharing about green buffer care (#11, #16)
- Increasing health programs presence in the neighborhood (#76)
- Limiting community members’ cumulative exposure (#82)
Health & Living Buffers Subcommittee Equity at Center:

- Promote local leadership for these projects
- Provide residents jobs caring for green buffers
- Jobs pay a “fair wage”
- Locally sourced resources
- Get more health program resources to underserved residents
Health & Living Buffers Subcommittee next steps:

- Find funding for projects and job programs
- Find partners for sourcing resources
- Work with limited health resources to get additional services to the community
Most enthusiasm and energy around:

- Reducing the pollution burden caused by industrial businesses near residential uses (#83)
- Relocate polluting businesses to suitable locations (#4)
- Update city codes & ordinances to regulate truck-attracting businesses (#1, #4, #22)
- Preventing resident displacement (#25)
- Supporting local green businesses (#1)
Land Use Subcommittee Equity at Center:

• Reducing the pollution burden caused by industrial businesses near residential uses
  o Relocate polluting businesses to suitable locations
  o Update city codes & ordinances to regulate truck-attracting businesses

• Preventing residential displacement

• Supporting local green businesses
Land Use Subcommittee next steps:

• Refine strategies that address the proximity of pollution-generation businesses near residential uses

• Work with “good neighbor” businesses to relocate and promote green business in their wake

• Coordinate with the City’s General Plan update including the new Environmental Justice Element

• Work with City and District on a Green Business Strategic Plan

• Design Climate Zones criteria and goals
Transit/Bike/Walk Subcommittee

8 partner strategies reviewed

Most enthusiasm and energy around:

- Decreasing road dust through more frequent street sweeping (#59)
- Grand Avenue and other transit improvements (#45, #47)
- Implementation of West Oakland BART bicycle station (#55)
Transit/Bike/Walk Subcommittee Equity at Center:

- Encourage the City to provide equitable levels of service
- Parking/right-of-way policy collaborations between residents/truckers/Port/City
- Collaborate with transit agencies to make improvement that work for the community
- Reduce transit barriers for low-income residents
- Improvements should address community needs
Transit/Bike/Walk Subcommittee next steps:

• Work with multiple City Departments to get equitable levels of city services (e.g. street sweeping) and parking enforcement

• Learn more about City proposal for Grand Avenue; possible grant application for this project

• If grant funds awarded, planning and outreach activities for bicycle, pedestrian, street trees, truck management and transit access improvements in Owning Our Air
Port & Freight Subcommittee

16 partner strategies reviewed

Implementation Progress

Most enthusiasm and energy around:

- Permanent truck parking in Port area (#26)
- Zero-emissions trucks (#19, #37)
- Implementation of West Oakland Truck Management Plan (#38, #39)
Port & Freight Subcommittee Equity at Center:

Current incentive programs do not serve owner-operators and small businesses, majority of whom are minorities

- Owner-operators and small businesses have fewer financial resources to meet matching fund requirements and high administrative barriers
- Need flexibility for variety of truck trips

Lack of truck parking in the Port area has negative impact on community

- Owner-operators and small business owners often live in West Oakland
- Need to work with community and truckers when setting incentive, parking, and enforcement policies
Port & Freight Subcommittee next steps:

• Explore with the City of Oakland how to approach community concerns over policing of truck traffic

• Work with local businesses closest to areas with highest air quality impacts from trucks; first on truck routing that directs trips away from residences, schools, senior centers

• Work with funding agencies to prioritize assistance to owner/operators and minority owned small firms

• Work with Caltrans to prioritize parking under the freeway for electric trucks
District & CARB Strategies
Total Incentive Funds Awarded

$36.5 Million

Estimated Annual Tons of Emissions Reduced

0.91 tons DPM

0.87 tons PM2.5

719 Tons Cancer-risk weighted Toxics
Implementation Progress

Carl Moyer Funds Approved or Paid:

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Equipment/Engines</th>
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</thead>
<tbody>
<tr>
<td>Marine Engine Replacement</td>
<td>24</td>
</tr>
<tr>
<td>Off-Road Equipment</td>
<td>126</td>
</tr>
<tr>
<td>Special Needs Bus</td>
<td>32</td>
</tr>
<tr>
<td>School Buses</td>
<td>201</td>
</tr>
<tr>
<td>Other</td>
<td>16</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>399</strong></td>
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$12 Million

263 Projects

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Implementation Progress

Clean Cars for All:
43 Projects in West Oakland

Estimated program costs:
$300,000

<table>
<thead>
<tr>
<th>Project Type</th>
<th>#</th>
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</thead>
<tbody>
<tr>
<td>Plug-in Hybrid Electric Vehicle</td>
<td>24</td>
</tr>
<tr>
<td>Hybrid Vehicle</td>
<td>12</td>
</tr>
<tr>
<td>Electric Vehicle Charging Equipment</td>
<td>2</td>
</tr>
<tr>
<td>Battery Electric Vehicle</td>
<td>4</td>
</tr>
<tr>
<td>Mobility Option (Transit Pass)</td>
<td>1</td>
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</table>
# West Oakland Zero Emissions Program

## Implementation Progress

### Electric Vehicle Types

<table>
<thead>
<tr>
<th>Electric Vehicle Types</th>
<th>#</th>
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</thead>
<tbody>
<tr>
<td>Tractors &amp; Off-Road Trucks</td>
<td>11</td>
</tr>
<tr>
<td>Light-Duty On-Road</td>
<td>19</td>
</tr>
<tr>
<td>Charging Stations</td>
<td>67</td>
</tr>
<tr>
<td>Forklifts</td>
<td>3</td>
</tr>
<tr>
<td>Shuttle Bus</td>
<td>1</td>
</tr>
<tr>
<td>School Bus</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>116</strong></td>
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- **11 Projects**
- **$1.1 Mil Awarded**
- **116 Pieces of equipment**

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### Implementation Progress

<table>
<thead>
<tr>
<th>Enforcement Measures</th>
<th>#</th>
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</thead>
<tbody>
<tr>
<td>CARB Measures</td>
<td>6</td>
</tr>
<tr>
<td>District Measures</td>
<td>8</td>
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### Total Enforcement Actions

<table>
<thead>
<tr>
<th>Action</th>
<th>#</th>
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</thead>
<tbody>
<tr>
<td>Inspections Completed</td>
<td>587</td>
</tr>
<tr>
<td>Complaints Received</td>
<td>111</td>
</tr>
<tr>
<td>Notice of Violations / Citations Issued</td>
<td>28</td>
</tr>
<tr>
<td>Referrals to other agencies</td>
<td>7</td>
</tr>
<tr>
<td>Public Meetings/Trainings/Workshops</td>
<td>15</td>
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</tbody>
</table>
Implementation Progress

Enforcement Measures

6 CARB Measures

<table>
<thead>
<tr>
<th>CARB Actions</th>
<th>#</th>
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<tbody>
<tr>
<td>Inspections Completed</td>
<td>587</td>
</tr>
<tr>
<td>Complaints Received</td>
<td>4</td>
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<tr>
<td>Notice of Violations</td>
<td>15</td>
</tr>
<tr>
<td>Referrals to other agencies</td>
<td>5</td>
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## Implementation Progress

<table>
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<tr>
<th>District Actions</th>
<th>#</th>
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</thead>
<tbody>
<tr>
<td>Inspections Completed</td>
<td>167</td>
</tr>
<tr>
<td>Complaints Received</td>
<td>96</td>
</tr>
<tr>
<td>Notice of Violations</td>
<td>24</td>
</tr>
<tr>
<td>Referrals to other agencies</td>
<td>2</td>
</tr>
<tr>
<td>Public Meetings/Trainings/Workshops</td>
<td>15</td>
</tr>
</tbody>
</table>
District Inspections and Notice of Violations

167 Inspections Completed
- 143 Other Sources
- 12 Asbestos
- 12 Gas Stations

24 Notice of Violations
- 15 Other Sources
- 8 Asbestos
- 1 Gas Stations

Implementation Progress
Implementation Progress

District Recorded Complaints

- Odor
- Gas Stations
- Idling Trucks
- Dust
- Asbestos
- Woodsmoke
- Other

96 Air Quality Complaints

Annual Report November 2020
Looking Forward
Looking Forward

Continue deep community partnership

- Steering Committee continues to meet monthly
- Subcommittees focus energy on implementing strategies that have risen to the top
- Community identifies new strategies and/or revises existing

Adapt and Adjust

- Use innovation to adapt to COVID
- Go deeper on Equity
- Engage youth
Looking Forward

Continue working with agency partners

• Align with City of Oakland on Equitable Climate Action Plan implementation

• Inform the City of Oakland General Plan update

• Advance the West Oakland Truck Management Plan (City and Port of Oakland)

• Support the Port of Oakland Seaport Air Quality 2020 and Beyond Plan
Questions & Comments Welcome

Joshua Abraham
Specialist II
Community Engagement & Policy
415 722-4078
jabraham@baaqmd.gov
Steering Committee

Mallory Atkinson (Metropolitan Transportation Commission)
Bill Aboudi (AB Trucking)
Laura Arreola (Port of Oakland)
David Belle, Nariah Garcia, Shiloh Everette, Jessica Gloria,
Justice Touré, Michelle Arango (New Voices Are Rising)
Bo Chung (California Strategic Growth Council),
Carolyn Clevenger, Kristin Villanova (Alameda CTC)
Brigitte Cook (Oakland City Council)
Katherine Funes (The Rose Foundation)
Renata Foucre (West Oakland Neighbors)
Richard Grow, Morgan Capilla, Fatima Ty (U.S. EPA)
Barbara Johnson (West Oakland Neighbors)
Andy Katz, Chandra Johannesson, Maura Bonnarens (EBMUD)
Kevin Krewson (Caltrans)
Anna Lee, Kimi Watkins-Tartt, Sandi Galvez, Jennifer Lucky,
Soné Johnson (ACPHD)
Steve Lowe (West Oakland Commerce Association)

Karin Mac Donald (Prescott Oakland Point NBHD Assoc)
Alexandria McBride, Alicia Parker, Dani Makous (City of Oakland)
Megan Prier (Urban Biofilters)
Mercedes S. Rodriguez (BayPorte Village NBHD Watch)
Anna Scodel, Brian Moore (California Air Resources Board)
Fern Uennatornwaranggoon, Gabriela Zayas, Maria Harris
(Environmental Defense Fund)

Subcommittee Co-chairs

Meg Prier (Urban Biofilters)
Danielle Makous (City of Oakland)
Bill Aboudi (AB Trucking)
Laura Arreola (Port of Oakland)
Mercedes Rodriguez (BayPorte Village NBHD Watch)
Kevin Krewson (Caltrans)
Charles Reed (Emerald New Deal)
Alicia Parker (City of Oakland)
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Saldana, David Phong, Warren Hawkins, Justin Shields

City of Oakland
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Councilmember Lynette Gibson McElhaney, Matt
Nichols, Betsy Lake, William Gilchrist, Laura Kaminski,
Maraskeshia Smith

Office of Environmental Health Hazard Assessment
Duyen Kauffman

Bay Area Regional Collaborative
Lucian Go

U.S. House of Representatives
Congresswoman Barbara Lee and Congressional
Aide Xavier Johnson

Port of Oakland Authority
Cestra Butner, Amy Harpe, Chris Lytle, Richard
Sinkoff, Andrea Gardner, Diane Heinze, Tracy
Fidell, Catherine Mukai

University of California, Berkeley
David Wooley
Lily Maclver
Questions?
Questions?
Questions?
Next Steps

- Annual Report Videos released November 2020
- Final Annual Report released November 2020
- Presentation to Air District Board of Directors December 2020
- CARB staff to updated CARB Directors on progress in a memo December
Additional Resources

Sample of Maps & Data

Click map to expand