AIR POLLUTION RISK & VULNERABILITY TO HEALTH IMPACTS:
A LOOK AT WEST OAKLAND

AB 617 Steering Committee Meeting

December 5th, 2018
West Oakland experiences **high levels of air pollution** from highways, the Port, & industrial facilities close to residents.
West Oakland has a high burden of asthma emergency department and hospitalizations visits.
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Asthma hospitalization and emergency department visit rates are almost 2 times higher in West Oakland than for the County.

**Asthma Emergency Visits (per 100,000 pop.)**

- **Children (<5 years old)**
  - West Oakland: 1917
  - Oakland: 1658
  - Alameda County: 1123

- **All Ages**
  - West Oakland: 1048
  - Oakland: 868
  - Alameda County: 555

**Asthma Hospitalizations (per 100,000 pop.)**

- West Oakland:
  - Children (<5 years old): 689
  - All Ages: 181

- Oakland:
  - Children (<5 years old): 714
  - All Ages: 176

- Alameda County:
  - Children (<5 years old): 389
  - All Ages: 105

Source: OSHPD ED & PDD, 2013-3Q2015
Cancer, heart disease, stroke and chronic lower respiratory disease are top 5 leading causes of death in West Oakland.

<table>
<thead>
<tr>
<th>Leading Causes of Death in West Oakland</th>
<th>Percentage of all deaths</th>
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<tbody>
<tr>
<td>Cancer</td>
<td>22%</td>
</tr>
<tr>
<td>Heart Disease</td>
<td>20%</td>
</tr>
<tr>
<td>Unintentional Injuries</td>
<td>9%</td>
</tr>
<tr>
<td>Stroke</td>
<td>7%</td>
</tr>
<tr>
<td>Chronic Lower Respiratory Disease</td>
<td>5%</td>
</tr>
<tr>
<td>Homicide</td>
<td>3%</td>
</tr>
<tr>
<td>Diabetes</td>
<td>3%</td>
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</tbody>
</table>
Those diseases are associated with air pollution, and West Oakland residents are dying from them at higher rates.

Source: OSHPD ED & PDD, 2013-3Q2015
Due to cumulative health risks and impacts, life expectancy in West Oakland is 6.6 years less than in Alameda County.

West Oakland Life Expectancy: 75.4

Alameda County Life Expectancy: 82.0

These health inequities did not happen overnight. They have deep roots in historical practices, like Racial Redlining.
Impoverished areas see long-standing disinvestment, meaning fewer resources and weaker infrastructure to support health.
Continued disinvestment in persistent, very high poverty areas continues to be a main barrier to health in West Oakland.

Source: American Community Survey, 2011-2015
AB 617 provides opportunities to reduce air pollution emissions and maximize health co-benefits in communities like West Oakland.
Health indicators to consider when implementing and identifying strategies for AB 617

- Air pollution exposure
- Specific health risks associated with air pollution
  - Asthma, chronic lower respiratory disease
  - Stroke, heart attacks, cancer
- Cumulative health risks and impacts
  - All-cause mortality, life expectancy
- Social & economic factors that lead to extreme health vulnerability
  - Persistent & high poverty
  - Race & racism
The Alameda County Place Matters team promotes health equity through community-centered local policy and systems change focused on education, economics, criminal justice, housing, land use, and transportation.
Why is it important for government to be involved in the movement for racial and health equity?
How are we working to achieve health equity in Alameda County?
How are we putting this into practice?
Oakland Healthy Development Guidelines

A set of policies and guidelines to support healthy and equitable development in Oakland
Healthy Development Guidelines

Core Principles

• Build an innovative partnership

• Model a process of community inclusion in planning process

• Create policy and guidelines to support healthy and equitable development for new development
Healthy Development Guidelines
Engagement Process

- Project Management Team
- Community Residents
- Technical Advisory Group and Consultants
Healthy Development Guidelines

7 Policy Areas
• Community, Culture and Safety
• Economic Opportunity
• Environmental Health
• Healthy Food
• Housing and Anti-displacement
• Recreation and Active Design
• Transportation Access
Healthy Development Guidelines
Progress to date

• Some Guidelines are currently being implemented as Standard Conditions of Approval by the City of Oakland’s Planning and Building Department.

• Others will be implemented over time as City policy