WEST EUGENE INDUSTRIAL CORRIDOR

ENVIRONMENTAL HEALTH PROJECT
The Partnership

Two-thirds of Centro’s clients reside in West Eugene

OTA has worked in West Eugene’s impacted neighborhoods for 9 years
Ellie Aguirre lives close to industrial plants and less than a mile from the nearest highway. She feels passionate about a healthy future for her family.
West Eugene Industrial Corridor
1990–2000 Hispanic residents more than doubled

2000–2010 Hispanic residents increased by 75.9%

Source: 2010 US Census Bureau
Hispanics in West Eugene

Eugene - 8 - 9% Hispanic Population

The percentages are higher in Trainsong, Bethel, and Santa Clara neighborhoods.
### Latino Students in West Eugene

<table>
<thead>
<tr>
<th>School</th>
<th>Hispanic Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fairfield Elem.</td>
<td>32.0%</td>
</tr>
<tr>
<td>Danebo Elem.</td>
<td>25.6%</td>
</tr>
<tr>
<td>Prairie Mountain</td>
<td>18.0%</td>
</tr>
<tr>
<td>Cascade Middle</td>
<td>17.7%</td>
</tr>
<tr>
<td>Willamette HS</td>
<td>16.2%</td>
</tr>
<tr>
<td>Clear Lake Elem.</td>
<td>12.2%</td>
</tr>
<tr>
<td>Shasta Middle</td>
<td>11.6%</td>
</tr>
<tr>
<td>Kalapuya HS</td>
<td>10.5%</td>
</tr>
<tr>
<td>South Eugene HS</td>
<td>4.2%</td>
</tr>
</tbody>
</table>

Source: Bethel School District
Environmental Justice

Addressing the concern that certain populations disproportionately experience higher than average exposures to:

• Certain air pollutants ✓
• Hazardous waste facilities
• Contaminated fish
• Agricultural pesticides
• Lead exposure
Industrial Facilities & Nearby Schools

Source: Toxics Release Inventory 2011 http://www.epa.gov/tri/
West Eugene Environmental Health Project

A Partnership between Centro LatinoAmericano and Oregon Toxics Alliance

Goals

• Gather information
• Raise awareness
• Empower the community
WEEHP Project Activities

1. Door-to-door surveys
2. Gather & analyze data
3. Present at community forum to mobilized residents
4. Free hazardous waste reduction months
   Free asthma care workshops
5. Community Action Groups—Develop Recommendations
6. CAC presents recommendations to local
government and neighborhood associations
Monitored Pollutants

- Naphthalene
- Acetaldehyde
- Formaldehyde
- Ammonia
- Benzene
- Toluene
- Carbon Disulfide
- Sulfur Dioxide
- Benzyl Chloride
Toxic Emissions in West Eugene

Air emissions (lbs) in 2009

Source: City of Eugene Toxics Right to Know 2011
Toxic Emissions in Eugene

West v. East

Source: City of Eugene Toxics Right to Know 2011

- West Eugene: 1,008,500 pounds in 2005, 494,000 pounds in 2008
- East Eugene: 770 pounds in 2005
Health Impacts

Increased sickness and premature death from:

• Asthma
• Bronchitis
• Emphysema
• Pneumonia
• Coronary artery disease
• Abnormal heart rhythm
• Congestive heart failure
Health Survey

- 326 households surveyed
- 12% of households are Spanish speaking
- Continue to speak with households on an individual basis
41% of residents surveyed believe that air quality affects them.

60% households detected air pollution in their neighborhood:
- Evenings throughout the year
- Summer
1 in 5 people surveyed said they smelled creosote coming from the JH Baxter facility.
Smoking

18% of the residents interviewed smoke

Children shouldn’t be punished for the risky behaviors their parents are practicing, whether it is smoking, drugs, drinking, etc.

Residents in West Eugene include renters, starter-up families, low-income, the elderly…

All households STILL have the right to breathe clean air regardless of whether neighbors smoke or not.
Illnesses Reported by All Household Surveyed

- Respiratory: 63%
- Cardiovascular: 13%
- Neither: 24%
1 in 4 respondents (25%) who self-reported these illnesses stated that their health symptoms worsened when there are detected emissions.
Illnesses Reported by Latino Households Surveyed

- No health problems: 34%
- Health Problems: 66%

12% Latino households
1 in 2 Latinos (50%) with health problems said symptoms worsen when there are detected emissions.
"We get some odor of chemicals of creosote. It can choke you and it becomes really hard to breathe."

Reported Symptoms of Total Households Surveyed

- Asthma: 37%
- Headache: 19%
- Coughing: 18%
- Other: 17%
- Fatigue: 14%
- Nausea: 8%
- Chest Pain: 6%
- Irreg. Heartbeat: 4%

Source: Bethel School District 2011, Health Impact Assessment on Transportation Policies 2010, Oregon Department of Health
Asthma Rates in Our Community

Asthma Rates

30% of survey respondents reported having asthma

Source: Bethel School District 2011, Health Impact Assessment on Transportation Policies 2010, Oregon Department of Health
<table>
<thead>
<tr>
<th>Year</th>
<th>Good</th>
<th>Moderate</th>
<th>Unhealthy (Sensitive)</th>
<th>Unhealthy</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>321</td>
<td>35</td>
<td>8</td>
<td>1</td>
</tr>
<tr>
<td>2008</td>
<td>325</td>
<td>40</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>2007</td>
<td>321</td>
<td>40</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>2006</td>
<td>339</td>
<td>25</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>2005</td>
<td>294</td>
<td>69</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

Totals include:
- Carbon Monoxide
- Particulate Matter
- Ozone

Air Quality Index Summary (2009)

Number of Days in Eugene-Springfield

Source: LRAPA 2009 Annual Report
Health Survey

1 out of 3 respondents said they developed a respiratory or heart problem since moving to the West Eugene Industrial Corridor.
WEEHP Programs

- Green Car Maintenance Workshop
- Reducing local benzene
- Household hazardous waste collection
- Greener cleaning kits
- Asthma care workshop
West Eugene Community Action Group

Mission: *We are a community impacted by environmental toxins. Our goal is to prioritize the community’s health by ensuring clean air, water, and soil, for the good of all our families.*

Formed January 2011

Meets once a month

Report scheduled late summer
Outreach to neighborhoods for industry permits through newsletters or neighborhood association meetings.

Spanish and English magnets of LRAPA’s number to call for complaints.

Real time, fence line air samples collected at various industrial locations, including the neighborhoods surrounding the JH Baxter facility.

Status on air monitoring plan for neighborhoods surrounding JH Baxter (re: Public Health Action Plan from DHS Report)

Recommendations for LRAPA