South Sacramento – Florin Community Air Protection

Mark Loutzenhiser, Division Manager
Sac Metro Air District
CAPCOA Enforcement Symposium
October 3, 2019
South Sacramento-Florin Community

• How did we recommend communities?
• 1 in 10 communities – what stands out?
• Meet the committee
• What does the community hope to learn and how?
• Strategies?
• Moving forward
How Did We Recommend Communities?

Exposure to Air Pollution
CalEnviro Screen
Sensitive Receptors
Sensitive Population
Questions for the Community

TEN IDENTIFIED COMMUNITIES

Florin Community
Community
1/2 Mile Community Buffer
Why South Sacramento-Florin?

- Proximity to major freeway
- Numerous schools and other sensitive receptors
- Health and economic factors
- Numerous small sources of emissions
- Bordered by Title V sources
- What is the localized impact?
## Meet the Committee

<table>
<thead>
<tr>
<th>Works in Community</th>
<th>Lives in Community</th>
<th>Represents Community Organization</th>
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<tbody>
<tr>
<td>Bill Knowlton (chair)</td>
<td>Patricia E. Shelby (vice-chair)</td>
<td>Tido Thac Hoang</td>
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<td>Jennifer Ablog</td>
<td>Bishop Chris Baker</td>
<td>Joelle Toney</td>
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<td></td>
<td>Shirley Banks</td>
<td>Denise R. McCoy</td>
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<td></td>
<td>Rhonda Henderson</td>
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<td></td>
<td>Gary Johansen (lives &amp; works)</td>
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<td></td>
<td>Vincent J. Valdez</td>
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<td>Vacancy (any category)</td>
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1. Increase air quality awareness in the community by making air quality information readily accessible and easy to understand

2. Monitor for traffic related air pollutants
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<td><strong>Community – What do they want?</strong></td>
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<td>3.</td>
<td>Determine the impacts at sensitive receptor locations and whether air pollution impacts change by season and locations for these sensitive locations</td>
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<td>4.</td>
<td>Determine which source categories the emissions are coming from and if the emissions from the sources pose a significant impact to nearby areas</td>
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Monitoring Strategy

Phase I
Fall 2019
Initial Screening
Deploy 22 sensors

Phase II
Winter 2019
Enhanced Screening
Deploy stand alone monitors

Phase III
Spring 2020
Professional Grade
Deploy 1 portable trailer
Community Monitoring

All data placed on our website
Currently in Phase I of deployment

http://www.airquality.org/Air-Quality-Health/Community-Air-Protection/Community-Air-Monitoring
Community Monitoring

- Phase II – Deploy stand alone monitors
- Deployment goal: Winter 2019
- Measurements
  - Toxic chemicals
  - Speciated particulate matter
  - Black Carbon
- Help identify an area for the portable trailer
Strategies - Immediate

1. Development of a community-level emission inventory for South Sacramento – Florin community
2. Update penalty provisions to meet AB 617 mandates
3. Enhanced enforcement to identify any unpermitted sources
Strategies - Clean Air Investments
Strategies – Long Term & Community Based

- Investments in Stationary Sources
  - Coating operations?
  - Cleaner back-up engines?
- Helping smaller businesses
  - Nail salons
  - Lawn and garden
- Filters for in-home use
- Filters for schools
Making sure we are getting community feedback
Working to provide enough time for community feedback
Deployment delays due to equipment availability
Changes to CARB Cap and Trade incentive guidelines
Contact Information:

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