

Community Air Initiatives

East Los Angeles, Boyle Heights,
West Commerce Community
Steering Committee Meeting #3

Thursday, February 28th, 2019
Commerce, CA



A spiral-bound notebook with lined pages is shown. The word "Compliance" is written in cursive at the top right. Below it, there are four checked boxes. A red pen with a black grip lies diagonally across the bottom of the notebook. A white box with a black border is overlaid on the center of the notebook, containing the title text.

The Office of Compliance and Enforcement

Air Quality Inspectors

Approximately **80 inspectors**,
plus managers/supervisors and support staff



Enforcement Activities

Complaint Response –
over 9,000 complaints
annually

Facility inspections –
approx. 22,000 facilities
& over 67,000 permits

**Portable equipment
inspections** (3,600+)

**Responding to
notifications**, such as
for equipment
breakdowns, flaring
events, and
renovations/demolitions

**Source education &
outreach**

Special projects –
investigations,
interagency coordination,
emergency response,
etc.

Enforcement Action –
Notices to Comply,
Notices of Violation,
Orders for Abatement,
Criminal Referrals

Outside of SCAQMD Jurisdiction

- Noise Complaints
- Indoor Air Quality Issues
- Private Residences, with exceptions such as wood burning on no-burn days
- Soil/Water Issues – also with limited exceptions

Public Complaints



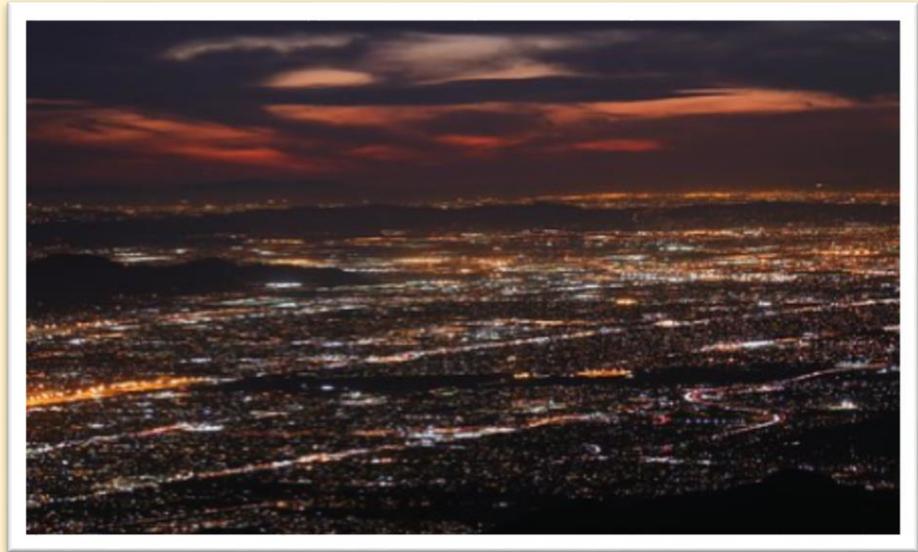
- **1-800-CUT-SMOG** or online @ www.aqmd.gov.
- Live attendant during business hours (Monday-Friday) or to our standby system off-hours
- Common Complaints: Dust, Odors, Flaring, Smoke, Retail Gas Stations, Overspray, Residential Wood Burning
- Complainant information = confidential
- Complaints can be made anonymously, but may be insufficient and will not receive a live response
- ***INSPECTORS RESPOND TO ALL COMPLAINTS!***



This Community – East Los Angeles, Boyle Heights, West Commerce

You have identified many different sources of air pollution. Those include, among others, the following:

1. Coating/Metal Finishing Facilities
(Accurate Plating, Auto Body Shops, Valmont Coatings)
2. Rendering Plants
(Farmer Johns, D & D)
3. Railyards
4. Idling Trucks and Warehouses
(JSL Foods, 99 Cents Distribution)
5. Waste Management Sites
(Commerce Refuse to Energy, Republic Services)





Questions from the Committee?



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Strategies to Address Air Pollution Concerns



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Potential approaches

Emission Reduction Strategies

- Regulation
- Incentives
- Enforcement
- Outreach and education
- Collaborations

Other Complementary Tools

- Exposure reduction
- Monitoring
- Public information
- Collaborations

Emission reduction: Decrease in the amount of pollutants discharged from a specific source (e.g. a stack or tailpipe)



Exposure reduction: Decrease in the amount of pollutants that people inhale



Regulation

Regulations (Rules) are like local laws that specify what facilities and equipment owners are required to do

Examples:

- Rule 1430 (Metal grinding)
- Rule 1469 (Chrome plating and anodizing)
- Rule 1132 (Spray booths)
- Rule 1151 (Autobody paints)

Pros:

- Applies to all facilities/equipment of that type in our District
- Permanent emissions reductions
- Enforceable

Cons:

- Lengthy process



Note: Rules need to be approved by the SCAQMD Board

Incentives

To encourage equipment owner to use cleaner technologies, above and beyond what's required

Examples:

- Carl Moyer program
- Lawn & garden equipment program
- Lower-Emission School Bus Incentive Program
- Replace combustion-based appliances with high efficiency electric models

Pros:

- Get equipment that is cleaner than what regulation requires
- Relatively fast
- Can be tuned to benefit local community

Cons:

- Expensive

Zero Emission Transit Bus



Zero Emission Mower



Zero Emission Chainsaw



Zero Emission School Bus

Outreach and Education

Engage stakeholders who can help reduce emissions

Examples:

- **Clean Communities Plan:** Outreach to auto-body shops to adopt water-based brake cleaners (incentives)
- Outreach to specific fleet owners about incentives they can use
- Educate business owners on how to comply with our regulations
- Community workshops on clean air vehicles
- High school electric vehicle showcase

Pros:

- Enhances compliance with existing rules, or can go beyond existing rules
- Relatively fast and low cost (other than incentives)

Cons:

- Need appropriate incentive funding



Please join the South Coast Air Quality Management District (SCAQMD) and Assemblymember Sabrina Cervantes to discuss air quality and programs available to the community.



Enforcement

Targeted enforcement to address a specific air quality concern

Examples:

- Oil tanker leak investigations
- Idling truck sweeps
- Complaint cluster projects

Pros:

- Promotes compliance with rules
- Identifies violations → corrective actions

Cons:

- Only applies to existing rules and permit conditions
- Can be expensive and time-intensive



Monitoring

Double check it is Slide 36 from Mtg #2

Can serve many purposes:

- Identify hot spots, to focus investigations
- Provides public information
- Tracks progress
- Tool for compliance

Examples:

- Mobile surveys to identify facility leaks
- Metals monitoring to identify sources of metals
- Refinery fenceline and community monitoring

Pros/Cons:

- See Meeting #2, slide 36



Additional strategies

Pros

Cons



Exposure reduction, other mitigation

- Air filtration systems (schools, community centers)
- Tree barriers, buffers

Better indoor air quality,
More green space

No emission reductions



Public information

- Notification systems
- Easier access to facility reports (e.g. leak inspection reports)

Increase access to data, which can guide individual action to reduce exposure

No emission reductions



Collaboration with other stakeholders

- Truck routes
- Multiple environmental media (air, water, hazardous waste)

Leverage different agencies' strengths

Can be a lengthy process

Combined strategies

Example 1 – Autobody Shops

Community Education

**Small Business
education on
best practices**



Agency Collaboration

LA County
(Department of
Regional Planning
Green Zones Programs)

**City of
Commerce**

**City of Los
Angeles**



Targeted Outreach Incentives



Combined strategies

Example 2 – Warehouse related truck traffic

**Enforcement
sweeps**



**License plates
readers**



**Targeted
incentives**



**Local
ordinances
for
neighborhood
truck routes**

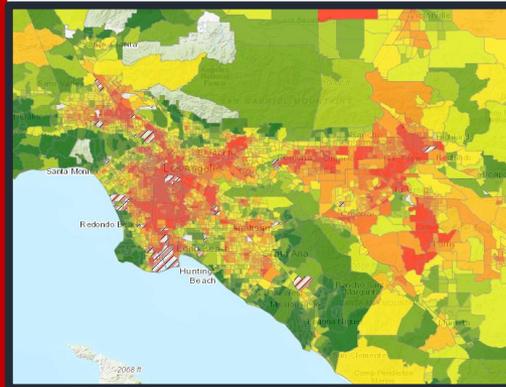


**Rule
development**

Combined strategies

Example 3 – Schools/Where people spend time

**Prioritize by
air quality
factors
and other
factors**



**Air filtration
(exposure
reduction)**



**Cleaner
school
buses
(incentives)**



**Nearby facilities
-
Targeted
inspections**

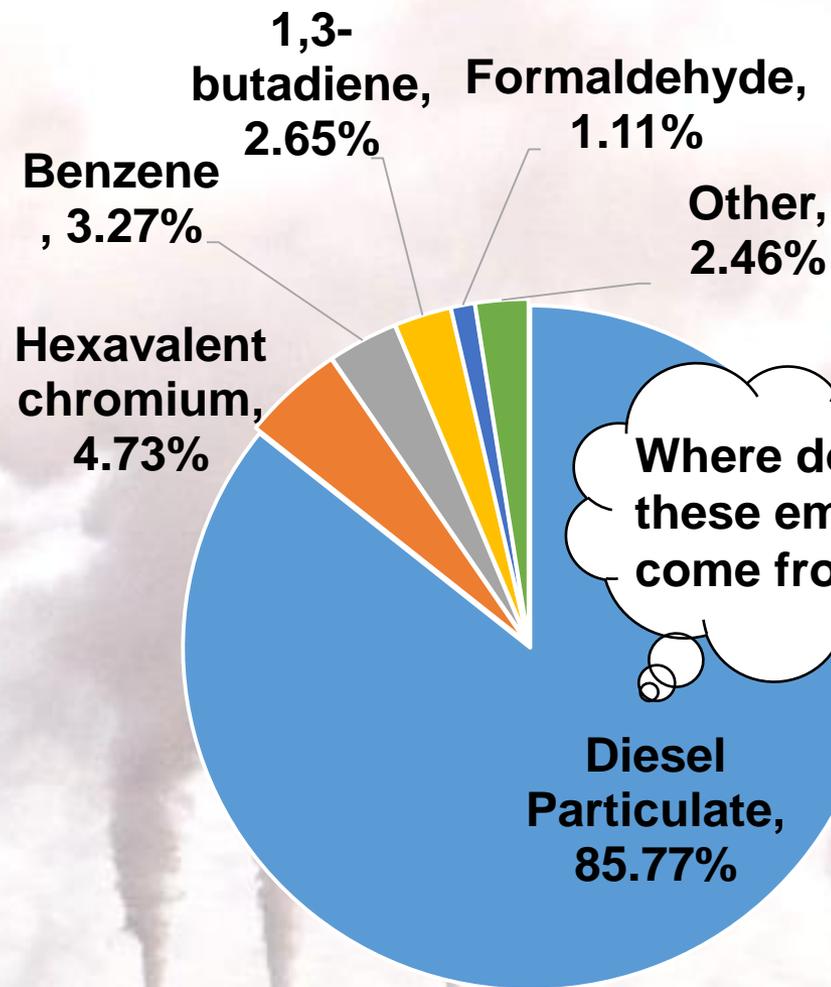


Air Pollution Emissions Data from emissions inventory



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Main air toxics in the community



Diesel particulate has the highest impact in the community

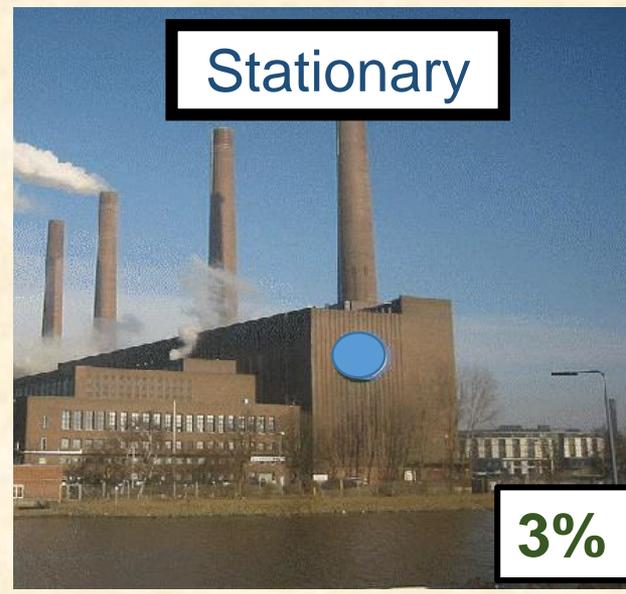
Other toxics may have impacts in areas close to the sources

- Emissions inventories don't account for **unknown or unquantified leaks**.

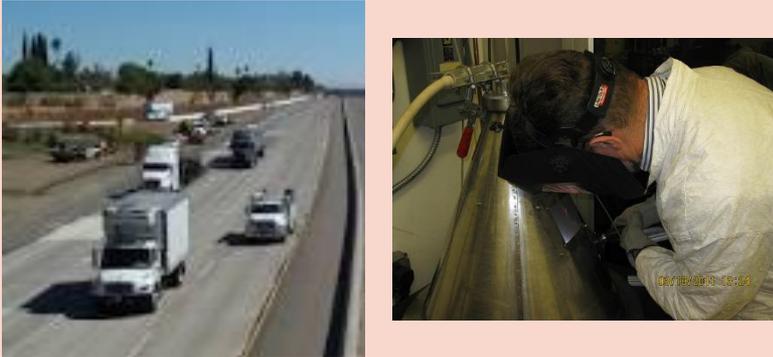
Where do these emissions come from?

Data from the Multiple Air Toxics Exposure Study (MATES) IV (2012)

Source categories



Other major pollutants in this community

| Pollutants | Main sources |
|---|---|
| <p data-bbox="112 496 645 545">Hexavalent Chromium</p>  <p>The first image shows a multi-lane highway with several vehicles, including a large white semi-truck, moving away from the viewer. The second image shows a person wearing a white lab coat and safety glasses, working with a piece of industrial equipment, likely a plating or finishing facility.</p> | <ul data-bbox="987 605 1624 859" style="list-style-type: none">• Mobile sources – fuel combustion• Metal production – finishing/plating facilities |
| <p data-bbox="112 991 658 1045">Nitrogen Oxides (NO_x)</p>  <p>A red semi-truck with a white trailer is shown from a front-three-quarter view, parked on a paved surface under a clear blue sky.</p> | <ul data-bbox="987 1122 1727 1236" style="list-style-type: none">• Mainly from fuel combustion (change picture to truck) |

Community Boundary and Prioritization of Air Quality Concerns



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SCAQMD Efforts and Funding

These are the estimated costs in the first year, for everything other than incentives. This includes all three Year 1 communities, plus additional resources needed to support future AB 617 designated communities in the SCAQMD.

| Program Component | Description | Estimated Amount |
|-------------------------------------|--|---|
| Air Monitoring | <ul style="list-style-type: none">Equipment, staffing, and software to conduct air monitoring and display data | \$11.5 million |
| Community Emissions Reduction Plans | <ul style="list-style-type: none">Staffing to develop and implement community emission reduction plans | \$4.3 million |
| Community Engagement | <ul style="list-style-type: none">Staffing and materials to work with communities to implement AB 617. | \$1.6 million |
| BARCT | <ul style="list-style-type: none">Staffing to transition RECLAIM program to command and control (rule development, CEQA) | \$8.5 million |
| Emissions Reporting | <ul style="list-style-type: none">Staffing and software enhancements to implement CARB emissions reporting rule | \$1.8 million |
| TOTAL | | Estimated need: \$27.7 million |

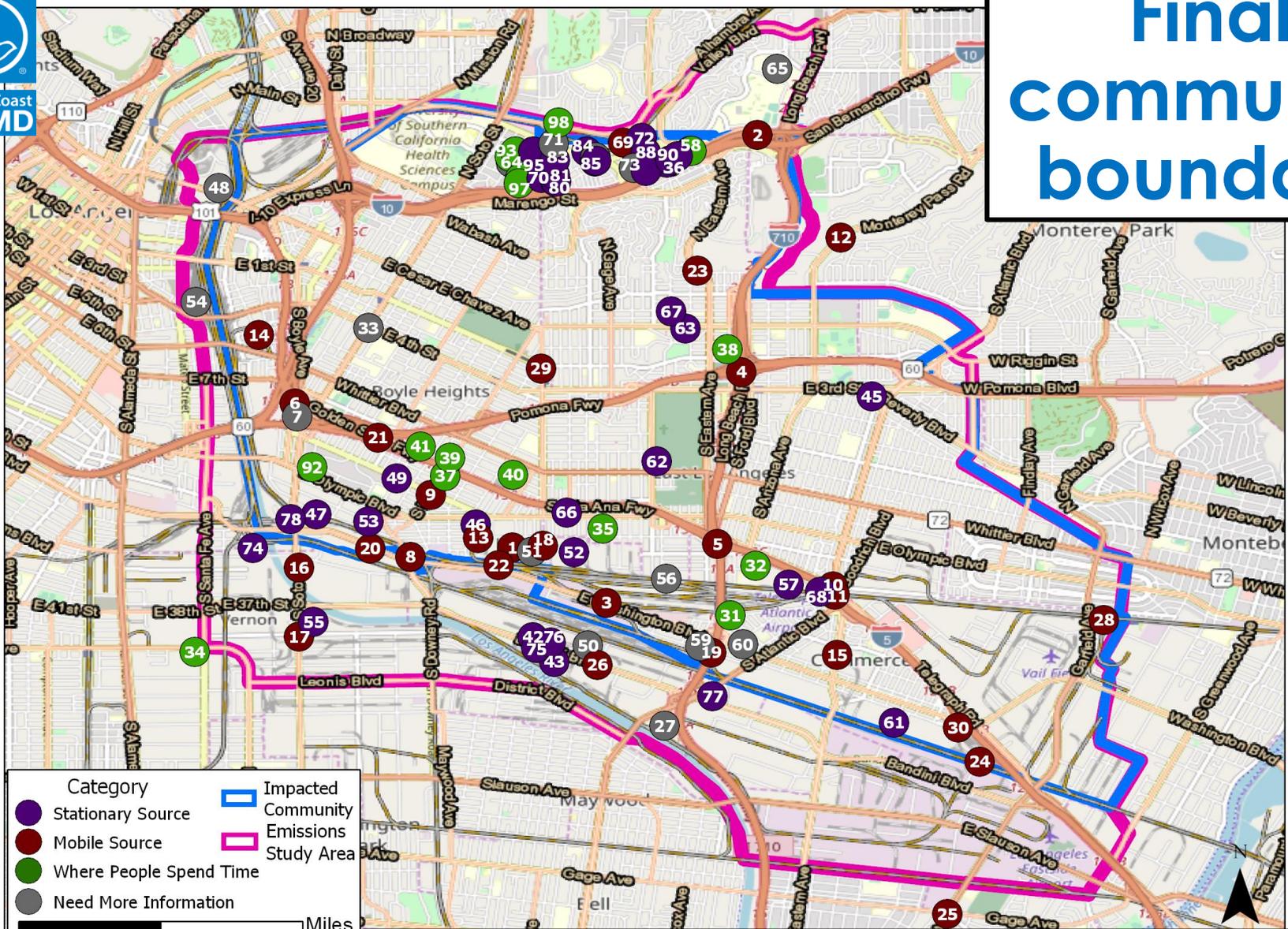
But we only received \$20 million





South Coast AQMD

Final community boundary



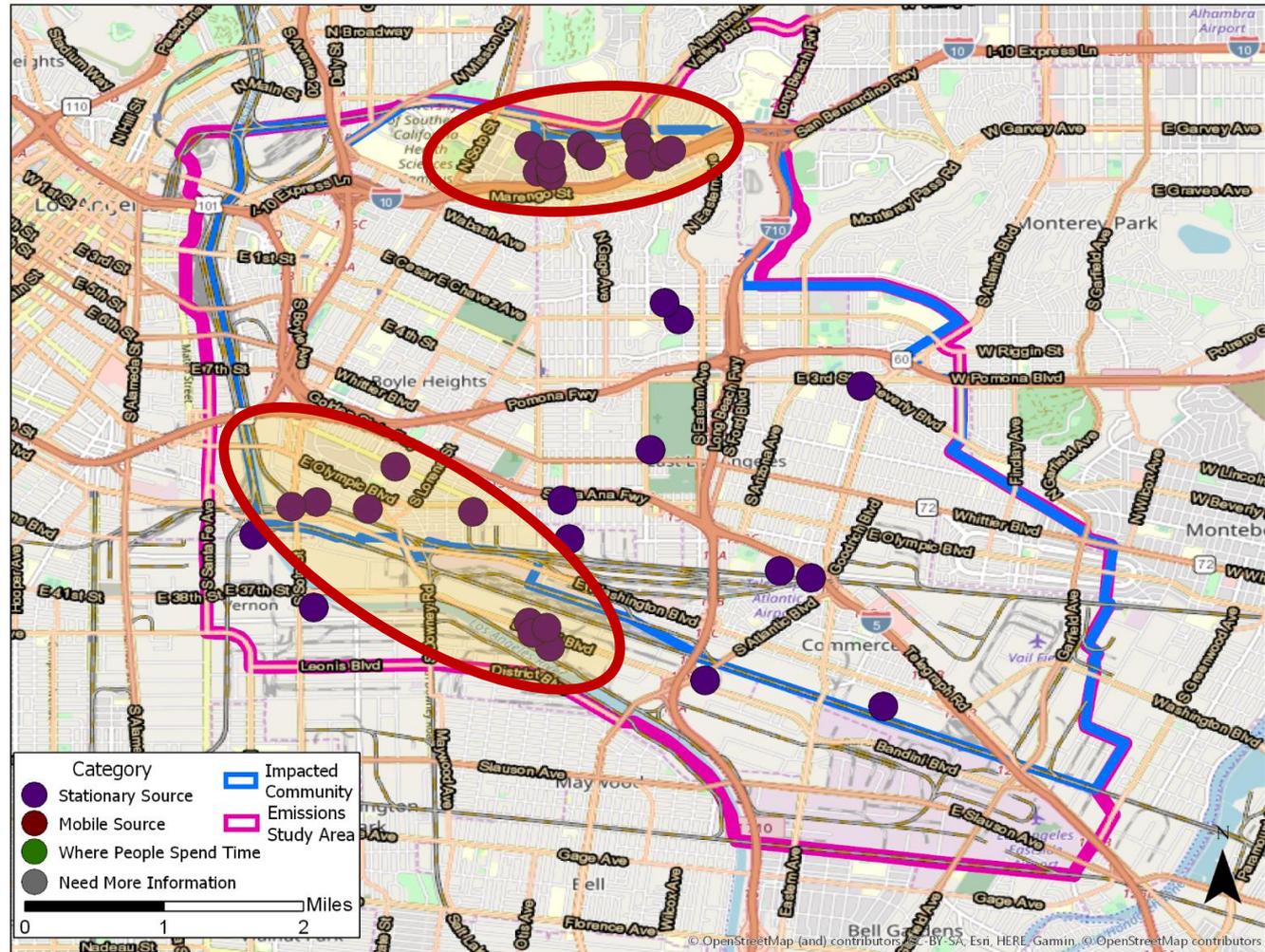
| | |
|-------------------------|-----------------------------|
| Category | Impacted Community Boundary |
| Stationary Source | Emissions Study Area |
| Mobile Source | |
| Where People Spend Time | |
| Need More Information | |

0 1 2 Miles

- Majority of community concerns fall within the **community boundary**
- Regions within and near the **community boundary** will also benefit from the emissions reductions

Concerns About Stationary Sources*

- These are locations that came up several times (yellow/red) in the air quality mapping activity
- Places where we may look to begin **monitoring efforts**

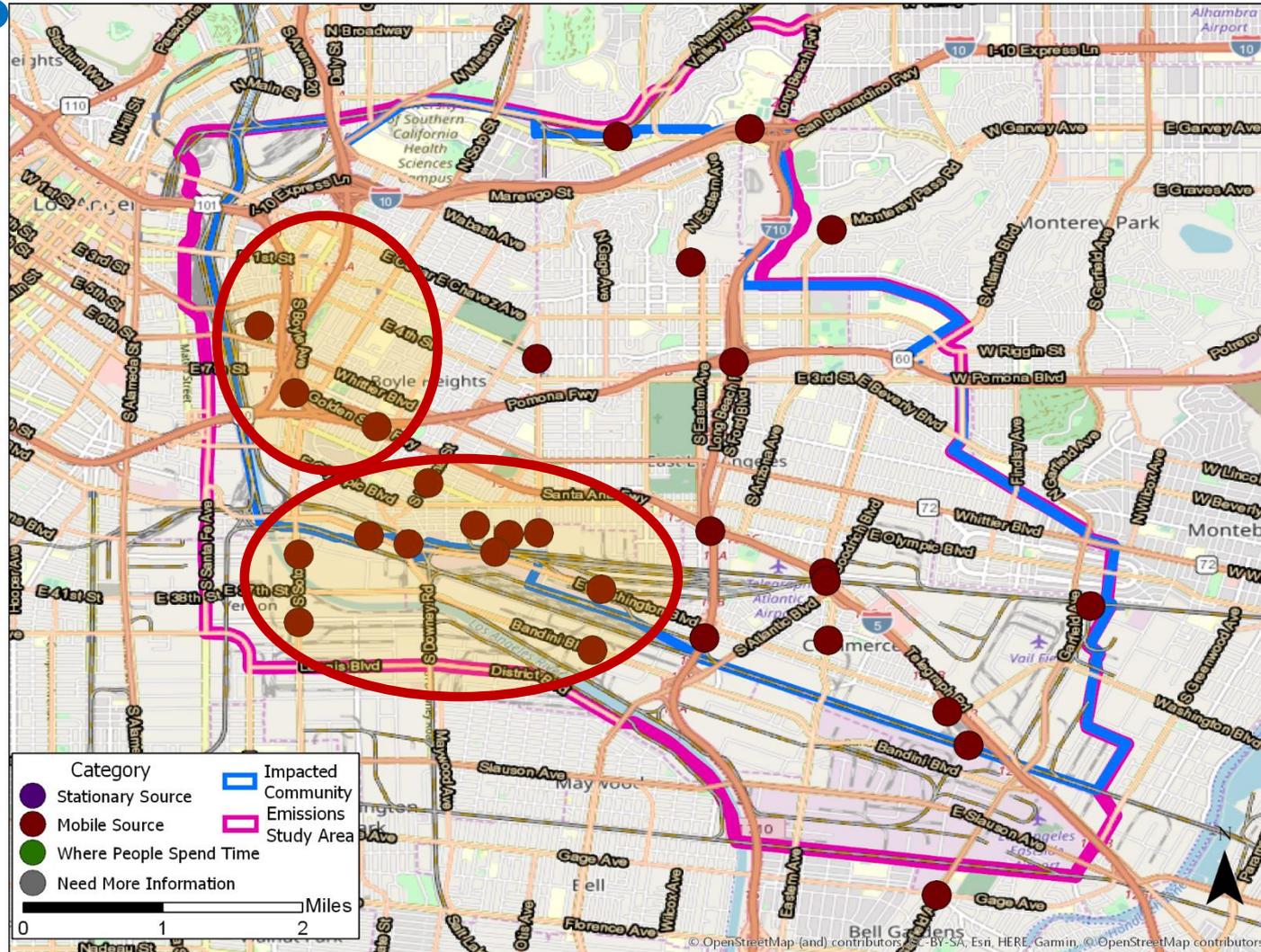


*From CSC Meeting #1 air quality mapping activity

Autobody shops, metal processing facilities, warehouses and other industrial sources

Concerns About Mobile Sources*

- Places where we may begin to look for truck idling hot spots for compliance idling sweeps
- Targeted areas for license plate readers and incentives



Major truck routes were identified (e.g. where warehouse trucks travel through the community)

*From CSC Meeting #1 air quality mapping activity

Prioritization – why we need to do this

We want to use resources appropriately
to address the air pollution issues most important to this community

- Goal:
 - Evaluate **highest priorities** from the community
 - Use existing technical data to help guide priorities
 - Start thinking about potential strategies to put into the **emission reduction plan**
- Limited resources (money) and limited time
 - We will try to address the top few priorities
 - General expectation is that the plans should be fully implemented
~5 years

Prioritization – Group activity

| | |
|--------|--|
| 30 min | Prioritization of Air Quality Concerns |
| 15 min | Activity Report Back |
| 5 min | Break |
| 10 min | Activity Consensus Results Discussion |

- The goal of this activity is to identify the few **highest priority areas**, so we can start developing specific strategies to address them
- **Allow enough time for everyone to speak**
- **Be respectful**
- There will be one facilitator and one note taker per table

Priorities

①

②

③

3 items per section

Next steps and important reminders

Future meeting dates and locations:

- CSC Meeting #4: March 28st (6:00 p.m.- 8:00 p.m.) at Resurrection Church

Future meeting potential topics:

- Measures to be taken (i.e. what specific actions we want to do to address the highest priority concerns)
- RECLAIM – Best Available Retrofit Control Technology (BARCT) Rule development update
- Indirect Source Rule (ISR) development update
 - Rules to control mobile source emissions at warehouses, railyards, etc.

Next steps and important reminders

Technical Advisory Group Members

- Marisa Blackshire (BNSF)
- Hector J. Garcia (Our Lady of Victory)
- Rafael Yanez (Active Resident – East Los Angeles)

First meeting: 2/27
Next TAG Meeting: Late Spring 2019

- Please **send us your biographies** as soon as possible
- Sign the charter** – hard copies are provided at registration

**Thank you
for the hard work!**

More information on AB 617:

www.aqmd.gov/AB617

Email: AB617@aqmd.gov

Follow us [@SouthCoastAQMD](https://www.instagram.com/SouthCoastAQMD)



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