

Community Air Initiatives

East Los Angeles, Boyle Heights, West
Commerce
Community Steering Committee
Meeting #5

*Thursday, April 25, 2019
East Los Angeles, CA*

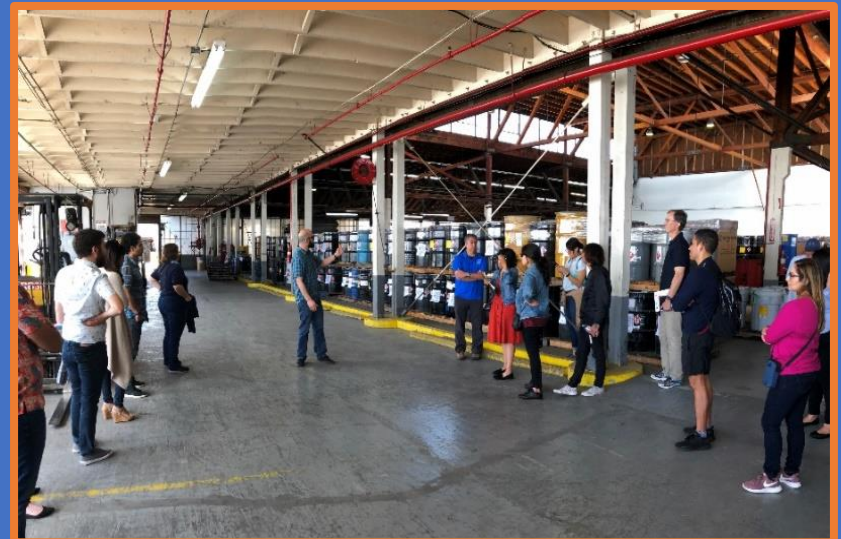


Committee Business

- Survey Results
- Finalize Roster
- Suggestion Box
- Community Tour Recap



Community Tour



Committee Presenters

- AB 617 is a collaborative effort
- Seeking volunteer Community Steering Committee (CSC) members to present
- Highlight efforts within the East Los Angeles, Boyle Heights, West Commerce (ELABHWC) community that could be part of the AB 617 Community Emission Reduction Plan (CERP)
- Who would you like to hear from?
 - Let us know!

Making Progress

Community
Reported
Air Quality
Concerns

Air Quality
Concern
Prioritization

Strategies
and
Proposed
Actions for
Reported Air
Quality
Concerns
(Part 2)

Finalize Air
Monitoring
Plan

November

January

February

March

April

May

Community
Boundary
Discussion

Strategies
and
Proposed
Actions for
Reported Air
Quality
Concerns
(Part I)

Draft Air
Monitoring
Plan

Submit Air
Monitoring Plan
to the California
Air Resources
Board (CARB)

Draft Community
Emissions
Reduction Plan

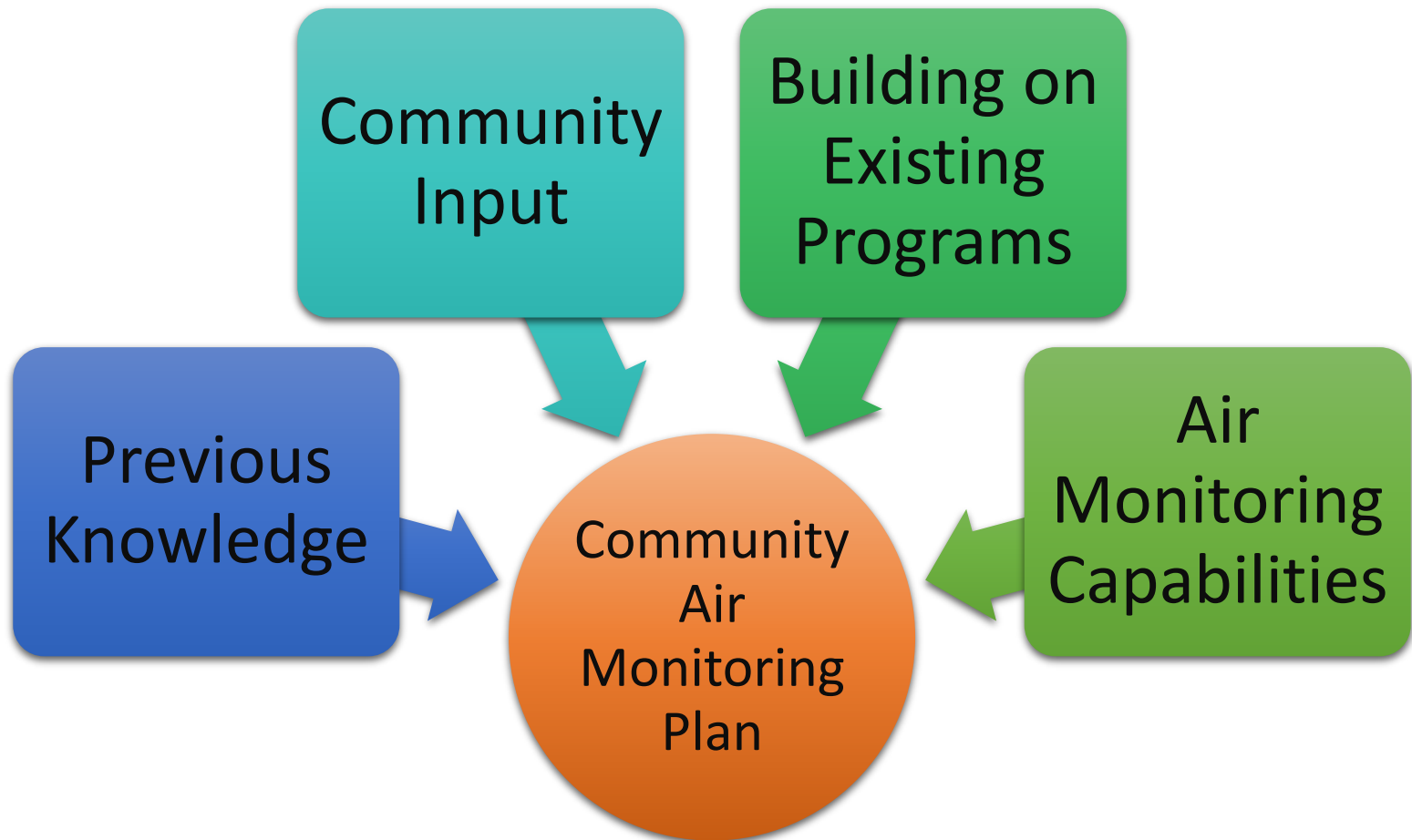


Community Air Monitoring Plan Update

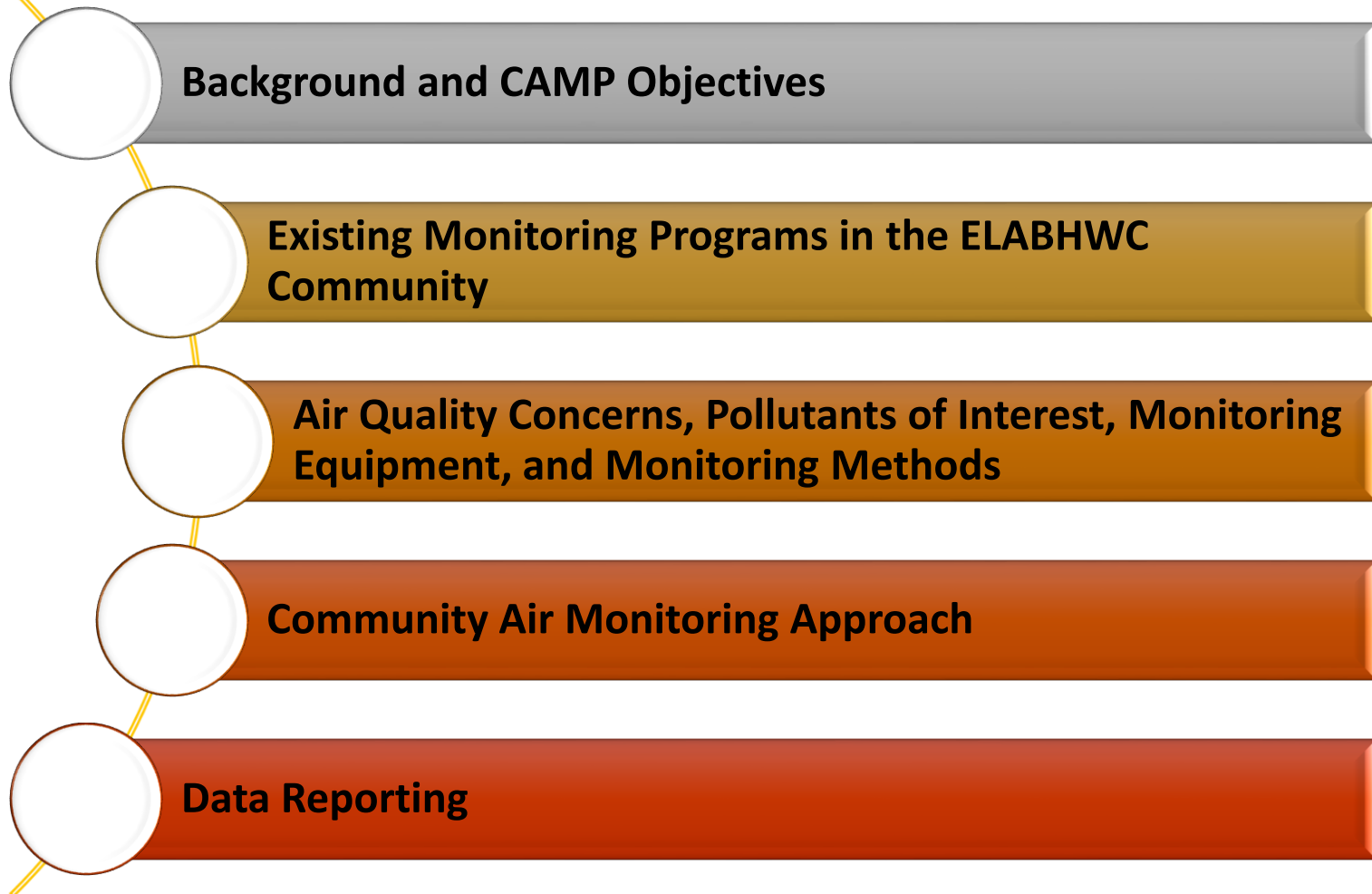
*Thursday, April 25, 2019
East Los Angeles Service Center*

*Andrea Polidori, PhD
Atmospheric Measurements Manager
South Coast Air Quality Management District*

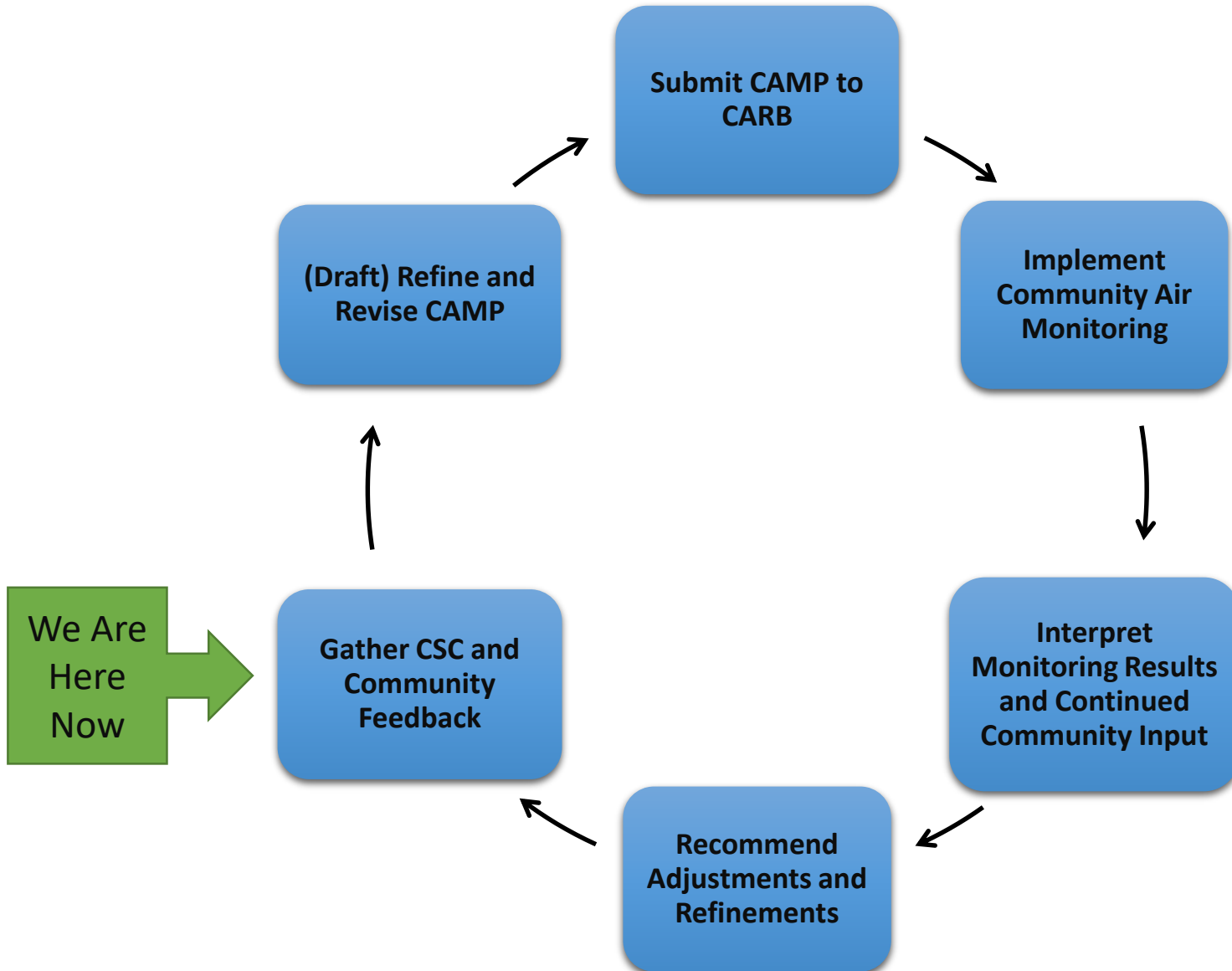
Considerations for Community Air Monitoring Plan



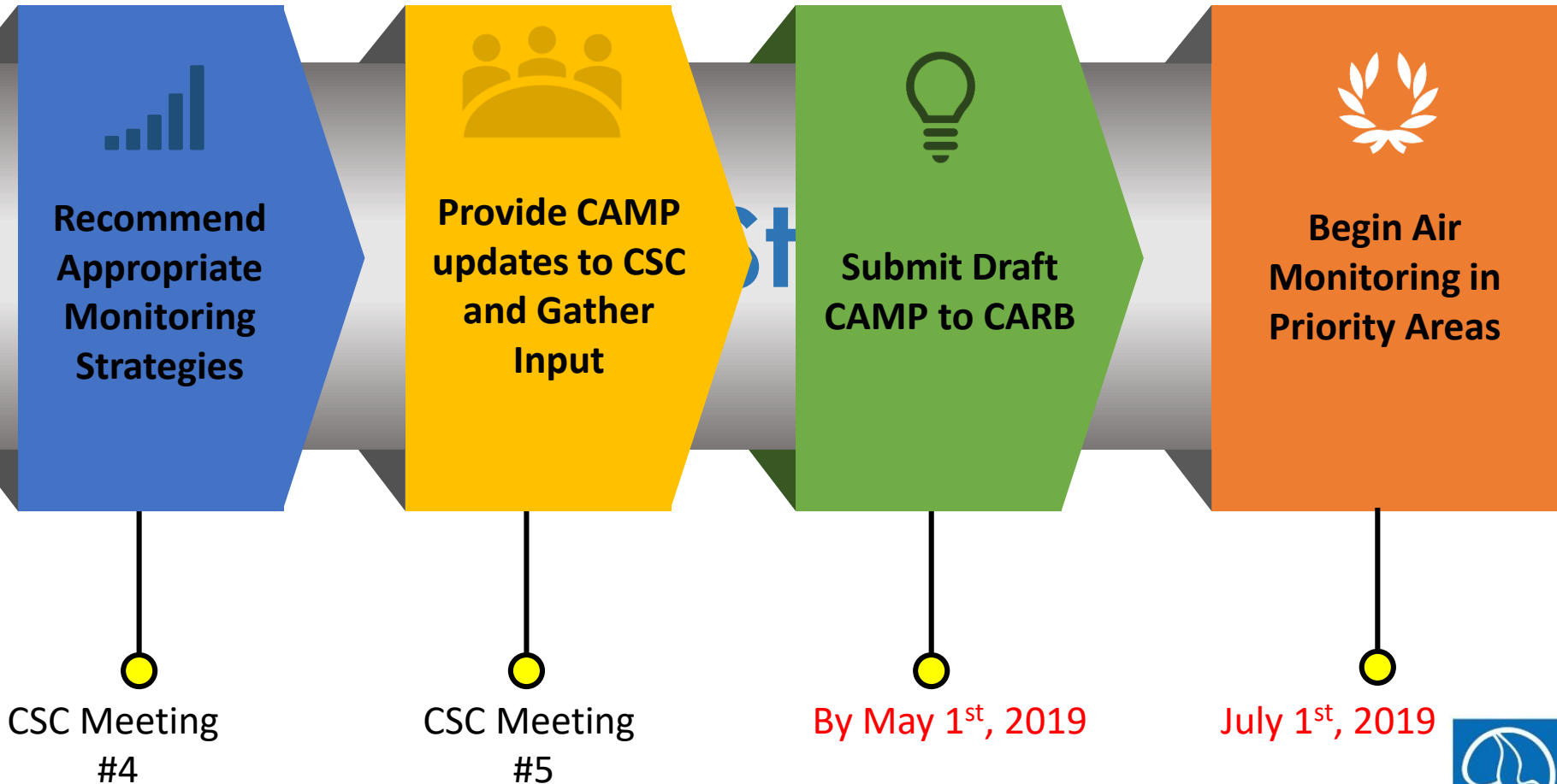
The Major Elements in the Community Air Monitoring Plan (CAMP)



Ongoing CAMP Process



Working with the CSC Group

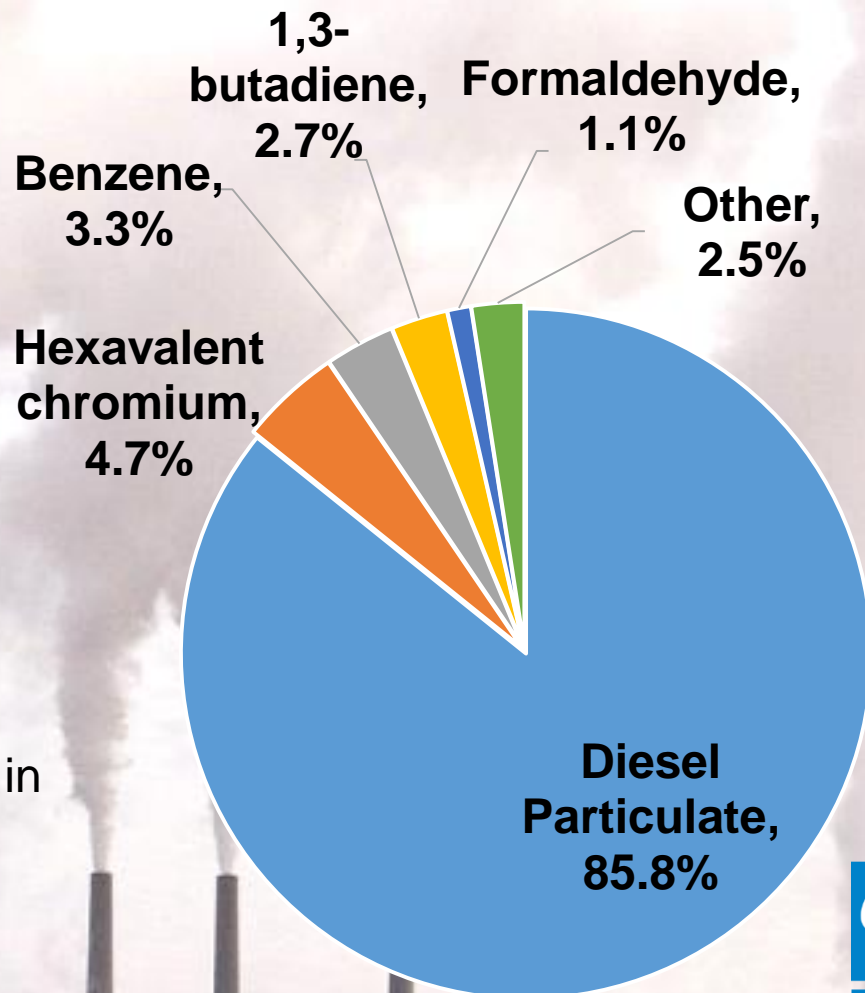


What are the sources of air pollution?



Main air toxics in the ELABHWC community

MATES IV Data (2012)



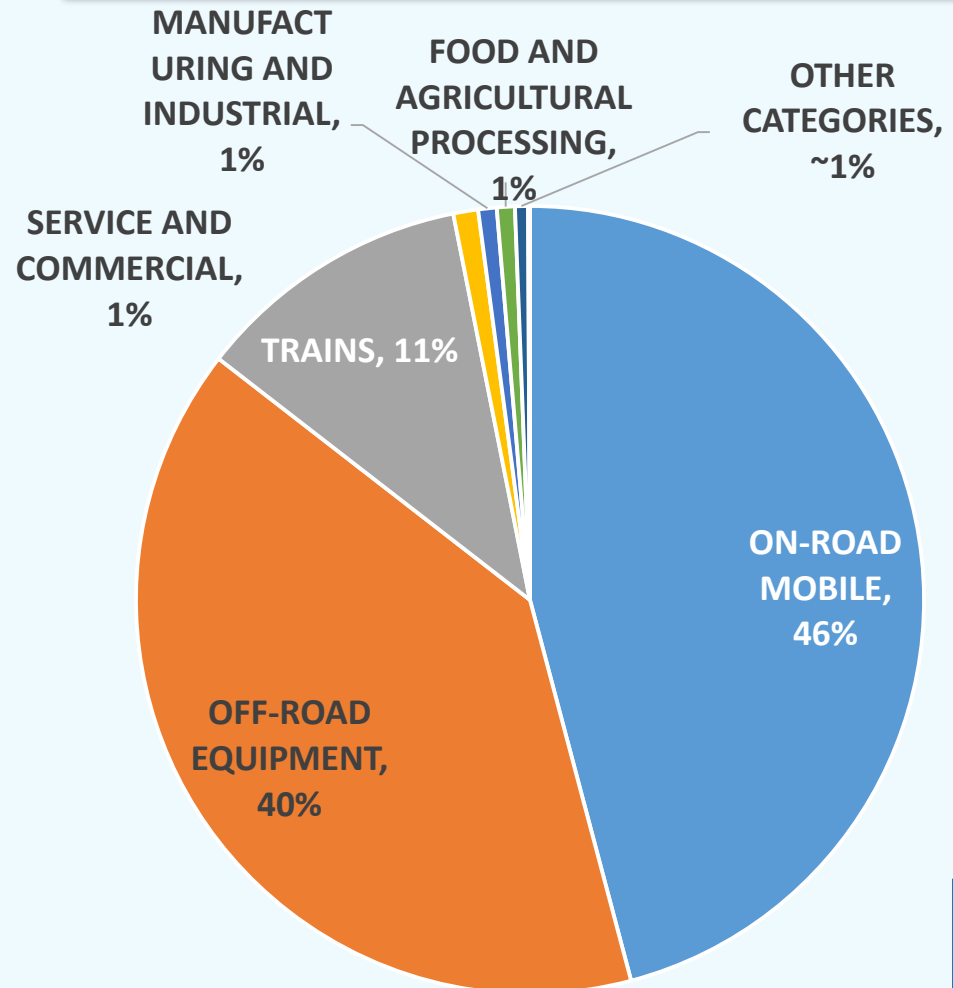
Diesel particulate has the highest impact in the community

- Other toxics may have concentrations in areas, if they are close to sources
- Emissions inventories do not include **unknown or unquantified leaks**

What are the sources of air pollution in the ELABHWC community?

Diesel Particulate Matter (PM) Sources *Data from 2016 AQMP (2012)

Diesel PM Source Category	% of Total Emissions**
ON-ROAD MOBILE	46%
OFF-ROAD EQUIPMENT	40%
TRAINS	11%
SERVICE AND COMMERCIAL	1%
MANUFACTURING AND INDUSTRIAL	1%
FOOD AND AGRICULTURAL PROCESSING	1%
FARM EQUIPMENT	~1% (Other Categories)
COMMERCIAL HARBOR CRAFT	
RESIDENTIAL FUEL COMBUSTION	
OIL AND GAS PRODUCTION (COMBUSTION)	
ELECTRIC UTILITIES	



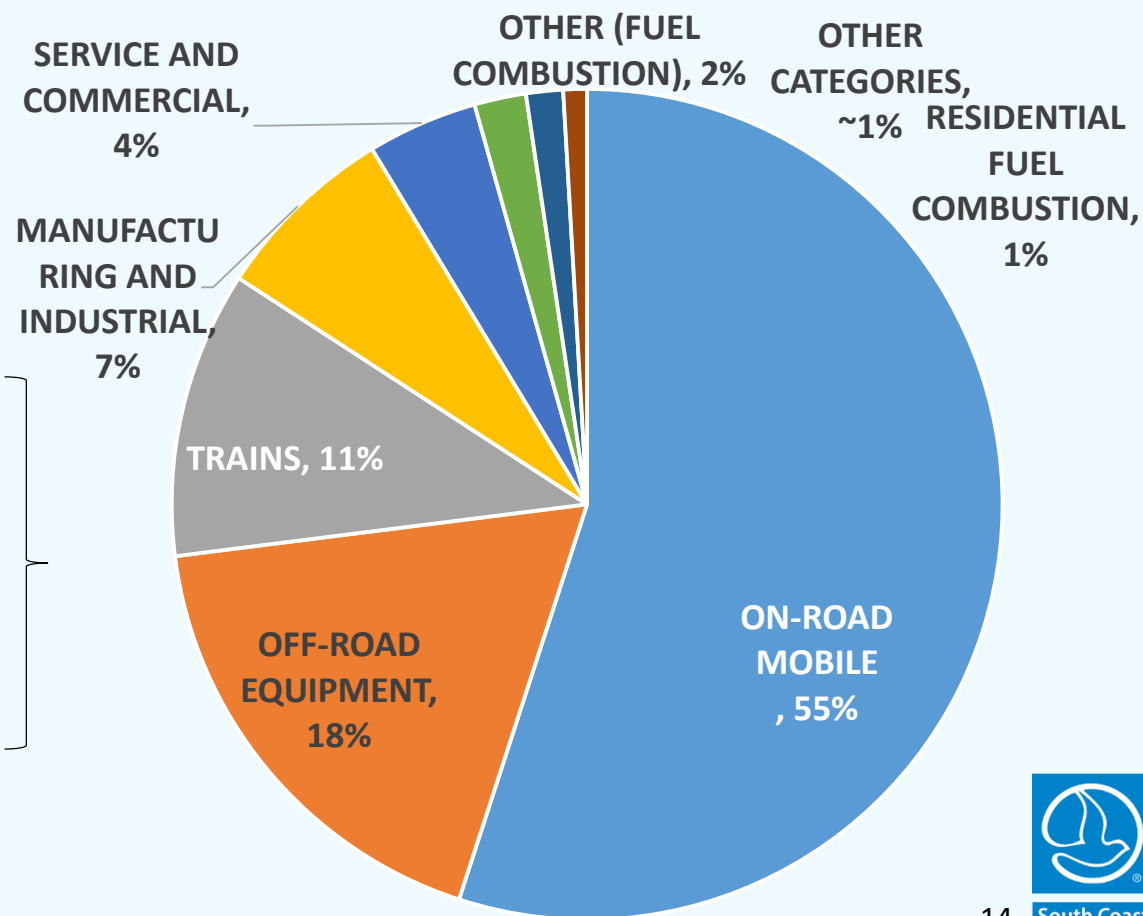
**Numbers do not add up to 100% due to rounding

What are the sources of air pollution in the ELABHWC community?

Nitrogen Oxides (NOx) Sources

*Data from 2016 AQMP (2012)

NOx Source Category	% of Total Emissions**
ON-ROAD MOBILE	55%
OFF-ROAD EQUIPMENT	18%
TRAINS	11%
MANUFACTURING AND INDUSTRIAL	7%
SERVICE AND COMMERCIAL	4%
OTHER (FUEL COMBUSTION)	2%
RESIDENTIAL FUEL COMBUSTION	1%
FOOD AND AGRICULTURAL PROCESSING	~1% (Other Categories)
INCINERATORS	
FIRES	
OIL AND GAS PRODUCTION (COMBUSTION)	
GAS STATIONS	

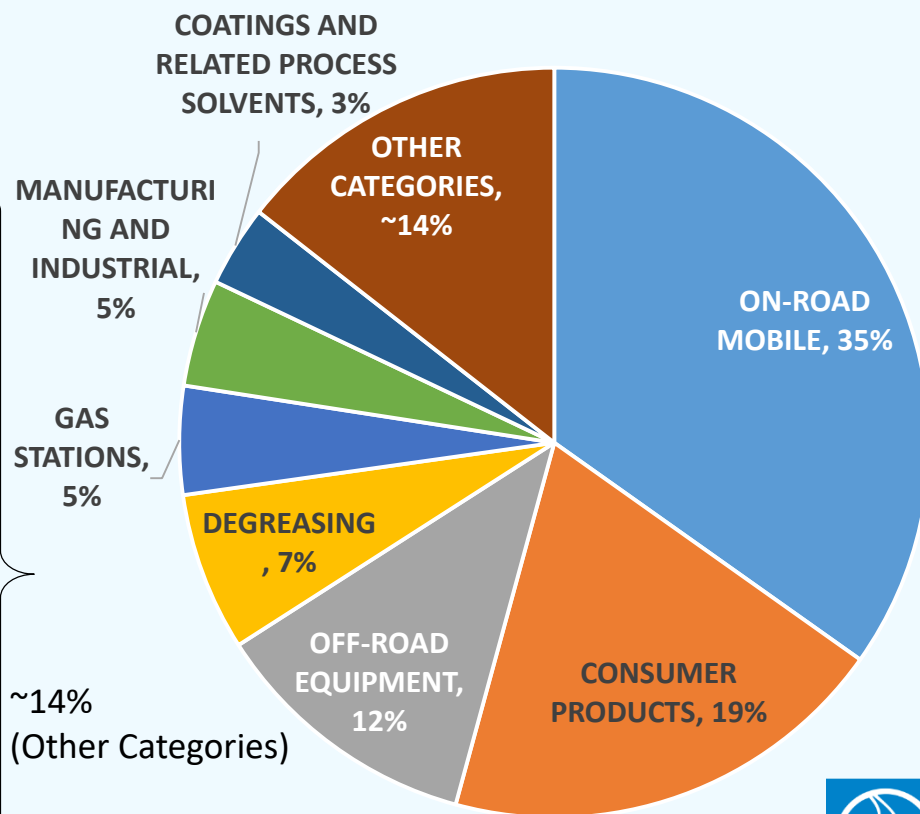


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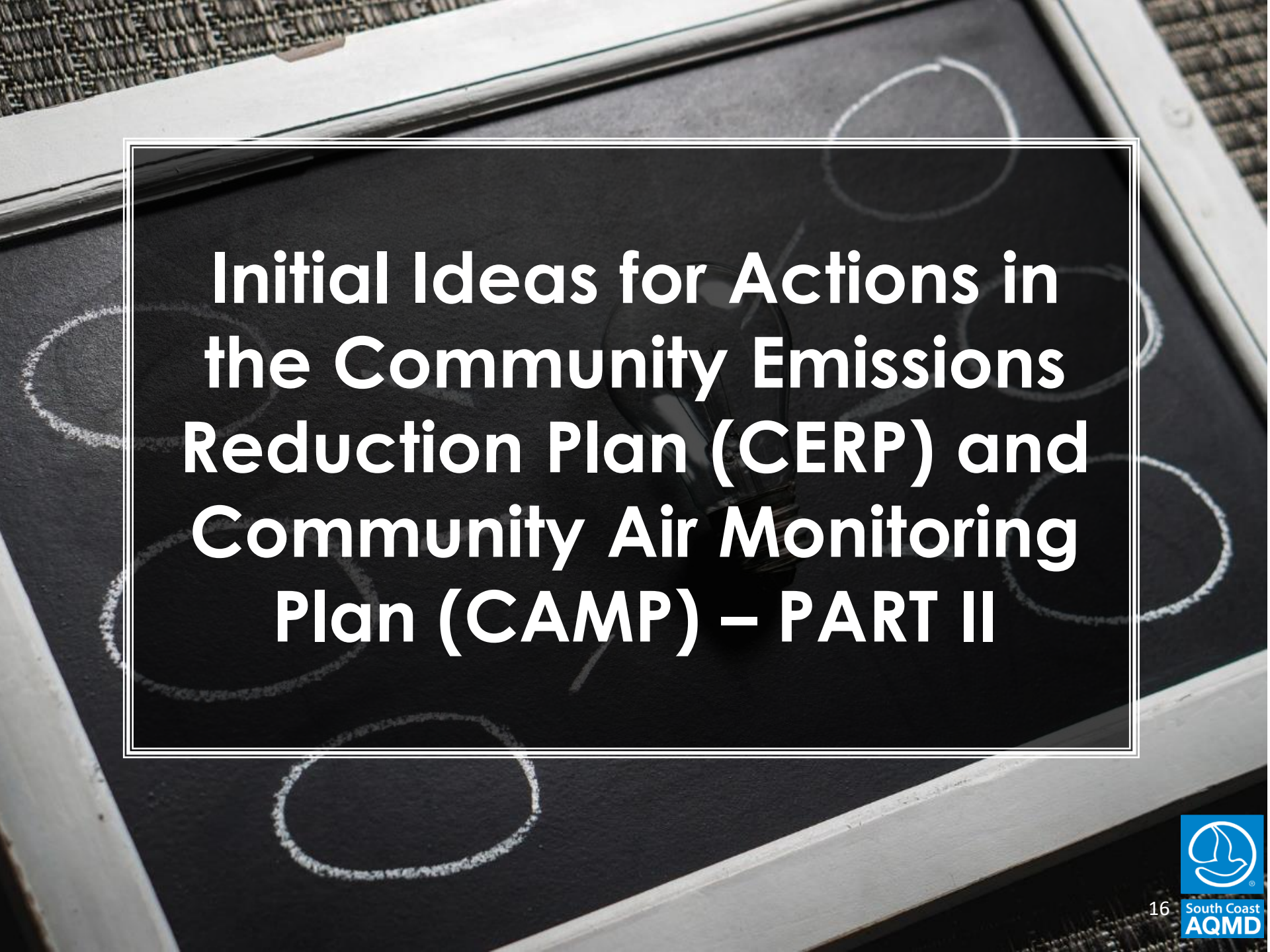
What are the sources of air pollution in the ELABHWC community?

VOC Sources	% of Total Emissions**
ON-ROAD MOBILE	35%
CONSUMER PRODUCTS	19%
OFF-ROAD EQUIPMENT	12%
DEGREASING	7%
GAS STATIONS	5%
MANUFACTURING AND INDUSTRIAL	5%
COATINGS AND RELATED PROCESS SOLVENTS	4%
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	OTHER (INDUSTRIAL PROCESSES)
FUEL STORAGE AND HANDLING	OTHER (CLEANING AND SURFACE COATINGS)
SERVICE AND COMMERCIAL ADHESIVES AND SEALANTS	COMMERCIAL HARBOR CRAFT
PRINTING	COOKING
RECREATIONAL BOATS	OIL AND GAS PRODUCTION
MINERAL PROCESSES	OTHER (FUEL COMBUSTION)
CHEMICAL TRAINS	RESIDENTIAL FUEL COMBUSTION
FOOD AND AGRICULTURE FIRES	PESTICIDES/FERTILIZERS
ASPHALT PAVING / ROOFING	LANDFILLS
FOOD AND AGRICULTURAL PROCESSING	LAUNDERING
INCINERATORS	FARMING OPERATIONS
OIL AND GAS PRODUCTION (COMBUSTION)	METAL PROCESSES
	OTHER (PETROLEUM PRODUCTION AND MARKETING)
	COGENERATION
	OFF-ROAD RECREATIONAL VEHICLES

Volatile Organic Compound (VOC) Sources
*Data from 2016 AQMP (2012)



**Numbers do not add up to 100% due to rounding



**Initial Ideas for Actions in
the Community Emissions
Reduction Plan (CERP) and
Community Air Monitoring
Plan (CAMP) – PART II**

Prioritized Air Quality Concerns in East Los Angeles, Boyle Heights, West Commerce

This Community Steering Committee (CSC) & public participants have prioritized these Air Quality Concerns:

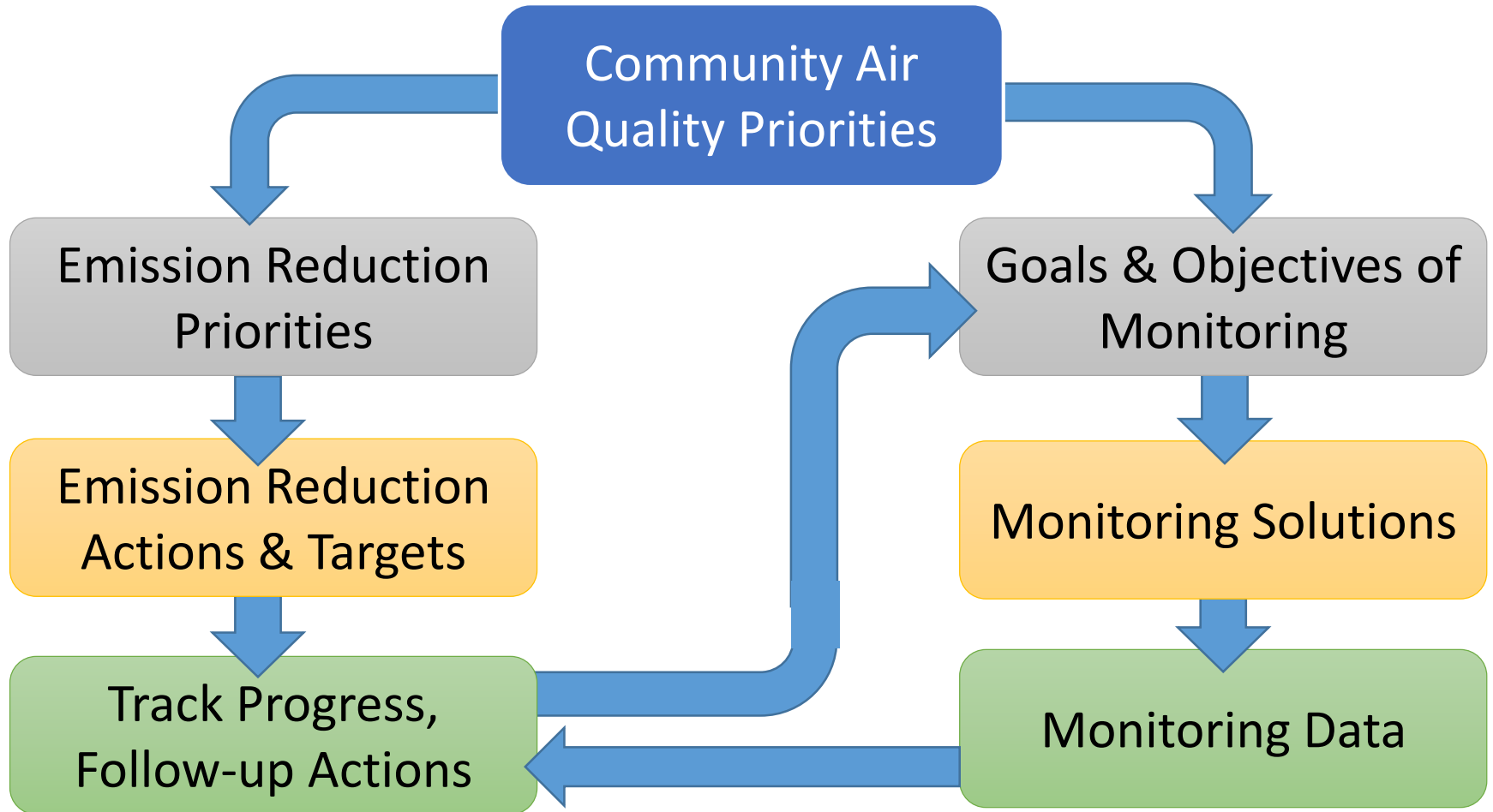
1. Truck Traffic
2. Railyard (On-site Emissions)
3. Warehouses (On-site Emissions)

Discussed in Meeting #4

4. **Metal Processing**
5. **Household Hazardous Waste/Toxic Waste Facilities**
6. **Rendering Facilities**
7. **Auto body Shops**
8. **Schools, etc.**

Today, we will focus on discussing actions to address these priorities

Community Emissions Reduction Plan and Community Air Monitoring Plan



Deadline for CERP to be approved:
September 2019

Air Monitoring Plan deadlines
Submit Draft Plan: May 2019
Implementation: July 2019

ELABHWC Meeting #4

Brief Recap of Air Quality Concerns Discussion

Neighborhood Truck Traffic

- **Monitoring near major roadways**
- **Exploring and enforcing appropriate truck routes to address neighborhood concerns**
- **Collaboration with appropriate agencies to encourage zoning code regulations and enforcement**
- **Improving existing and new truck regulations to include routine inspection and maintenance**
- **Installing License Plate readers to determine truck traffic/routes to work with appropriate agencies**

Railyard (On-site Emissions)

- **Monitoring around the railyard**
- **Concerns about health effects**
- **License plate readers to determine trucks going in and out of the rail yard**
- **Collaboration with BNSF**

Warehouses (On-site Emissions)

- **Noise from Transportation Refrigeration Units**
- **Parking on site at night (emissions)**



* See meeting summary for more details

Metal Processing

Initial CERP and CAMP Ideas



Monitoring:

- Mobile monitoring at and near these facilities
- Metal sampling and analysis, if high levels are detected

Outreach/Collaboration:

- Outreach to operators on existing rules and best management practices
- Outreach to community members on existing rules
- Collaboration with Public Health Professionals for minimizing exposure

Ongoing Rule Development:

- 1407, 1407.1 -- to reduce emissions of arsenic, cadmium, and nickel from non-ferrous metal melting operations
- 1480 – Air Toxics Metals Monitoring
- 1426 - Emissions from Metal Finishing Operations

Enforcement:

- Focused inspection of facilities
- Investigation of potential sources of toxic metal emissions
- Joint operations with monitoring

These measures are either new or could have new components based on committee feedback and priorities

Rendering Facilities

Initial CERP and CAMP Ideas



Monitoring:

- Mobile monitoring at and near these facilities
 - Highly sensitive real- and near-real time equipment
 - Measure VOC, other air toxics, and sulfur compounds
 - Support enforcement activities

Outreach/Collaboration:

- Outreach to operators on existing rules and best management practices (enclosure of operations)
- Outreach to community members on existing rules
- Agency Collaboration

Existing Rule Requirements:

- Rule 402 – Nuisance
- Rule 415 – Odors from Rendering Facilities
- Rule 472 – Reduction of Animal Matter

These measures are either new or could have new components based on committee feedback and priorities

Key Elements of Rule 415



Best Management Practices

- Cover trucks
- Limit holding time for raw materials
- Wash down requirements
- Fix pavement cracks and holes



Permanent Total Enclosure or Closed System for Odorous Operations

- Applies to raw material receiving area, processing equipment, and wastewater
- 2½ to 3½ years to design, permit and construct
- Alternative enclosure for raw materials receiving area

To Report Odors Call the South Coast Air Quality Management District at
1-800-CUT SMOG
or Facility Contact at
1-555-555-5555

Signage

- Contact 1-800-CUT-SMOG and facility representative
- Odor sign will engage community members

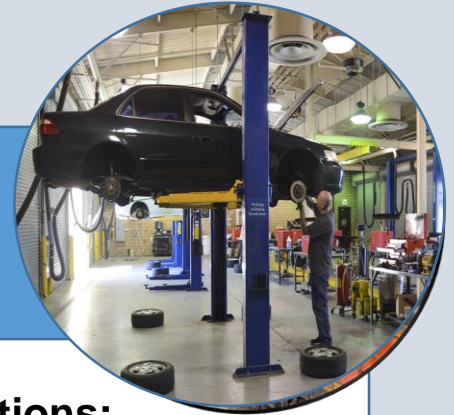


Contingency Odor Mitigation Plan

- Triggered if ongoing odor issues
- Specific Cause Analysis required by facility operator for odor events

Auto Body Shops

Initial CERP and CAMP Ideas



Monitoring:

- Mobile monitoring at and near these facilities
 - Highly sensitive real- and near-real time equipment
 - Support enforcement activities

Agency Collaboration

- Conduct cross-checks of permits with other governmental agencies
- Collaboration with Fire Department on open spraying

Existing Rules/Regulations:

- Rule 1151 -- Solvent Cleaning Operations and reducing PM emissions
- Rule 1171 -- Solvent Cleaning

Incentives & Outreach:

- No-fault Inspections – Small Business Assistance Program
- Water-based brake cleaners
- Laser guided spray guns
- Outreach to operators on low-VOC or water-based coatings

These measures are either new or could have new components based on committee feedback and priorities

Household Hazardous Waste/Toxic Waste Facilities

Initial CERP and CAMP Ideas



Monitoring:

- Mobile monitoring at and near these locations
 - Highly sensitive real- and near-real time equipment
 - Measure VOC and other air toxics
 - Support enforcement activities

Existing Rules and Regulations:

- Rule 402 – Public Nuisance
- Rule 403 – Fugitive Dust

Agency Collaboration

- Collaborating with appropriate agencies on joint enforcement

These measures are either new or could have new components based on committee feedback and priorities

Schools, Hospitals, Parks, & Community Centers

Initial CERP and CAMP Ideas



Monitoring:

- Look at air pollution levels at and near these places
- Track progress of the emission and exposure reduction programs
- Provide community education and engagement

Incentives:

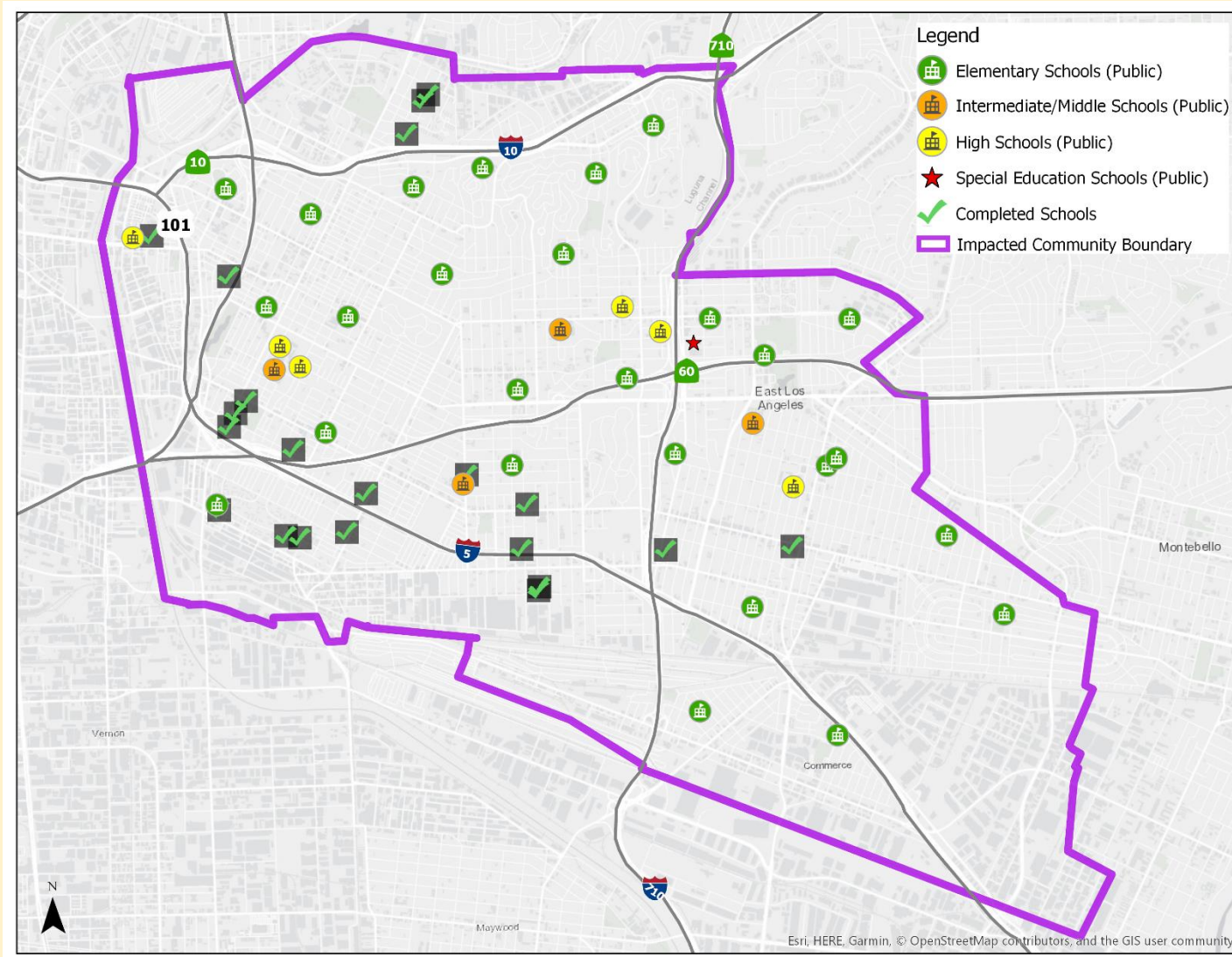
- Installation of air filtration systems at schools
- Upgrade or replace school buses

Collaboration / Outreach:

- Provide schools with information related to air quality advisories
 - Work with Departments of Public Health and school districts to develop guidelines

These measures are either new or could have new components based on committee feedback and priorities

School Filtration Systems within the ELABHWC Community



Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community

Committee Input on CERP

1. Which of the proposed actions in this air quality concern category are the highest priorities?
2. Does the proposed monitoring approach support other actions (e.g. enforcement, emission reductions)?
 - ❖ This is your opportunity to provide input to staff for the draft air monitoring plan.
3. What additional ideas do you have to address this air quality concern?
4. How would you prioritize schools (e.g. age group sensitive receptors, proximity to known emission sources, concentrations of pollutants/toxics, etc.)?
 - ❖ To which group would you give the highest priority and why: schools, community centers, hospitals, parks, etc.?

Next steps and important reminders

Future meeting dates and locations:

- CSC Meeting #6: May 23, 2019 (6:00 p.m.-8:30 p.m.) at Resurrection Church

Likely agenda items for CSC Meeting #6:

- Committee presentations
- Developing goals for the CERP
- CARB Actions
- Preparation for next meeting
 - One-on-one meetings with CSC Members

**Is the CSC okay
with these topics?**

**Any additional
topics?**

Technical Advisory Group (TAG):

Primary Member

Marisa Blackshire (BNSF)

Hector J. Garcia (Our Lady of Victory)

Rafael Yanez (Active Resident – East Los Angeles)

**Next TAG
Meeting:
Late Spring
2019**



**Thank you
for the hard work!**

More information on AB 617:

www.aqmd.gov/AB617

Email: AB617@aqmd.gov

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