

CERP IMPLEMENTATION UPDATE

2ND QUARTER 2021

East Los Angeles, Boyle Heights, West Commerce
May 27, 2021

NISH KRISHNAMURTHY, PH.D.
AIR QUALITY SPECIALIST

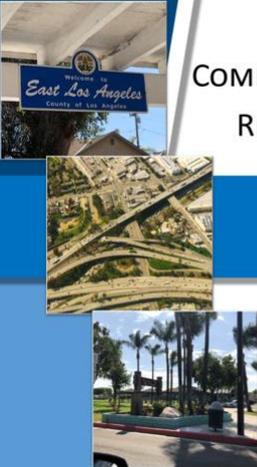
ASSEMBLY BILL (AB) 617
COMMUNITY AIR INITIATIVES

COMMUNITY EMISSIONS REDUCTION PLAN

EAST LOS ANGELES,
BOYLE HEIGHTS,
WEST COMMERCE

September 2019
Final

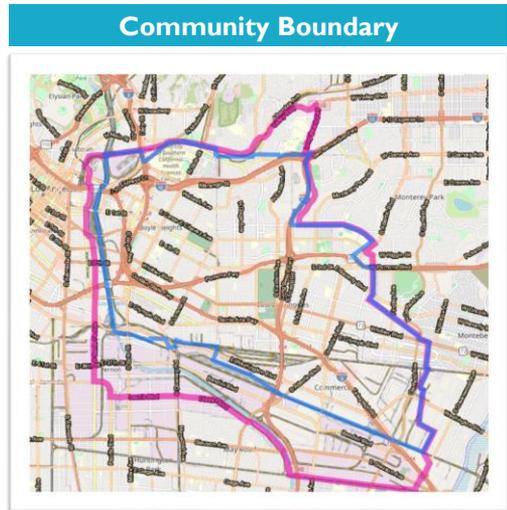
SOUTH COAST
AIR QUALITY MANAGEMENT DISTRICT

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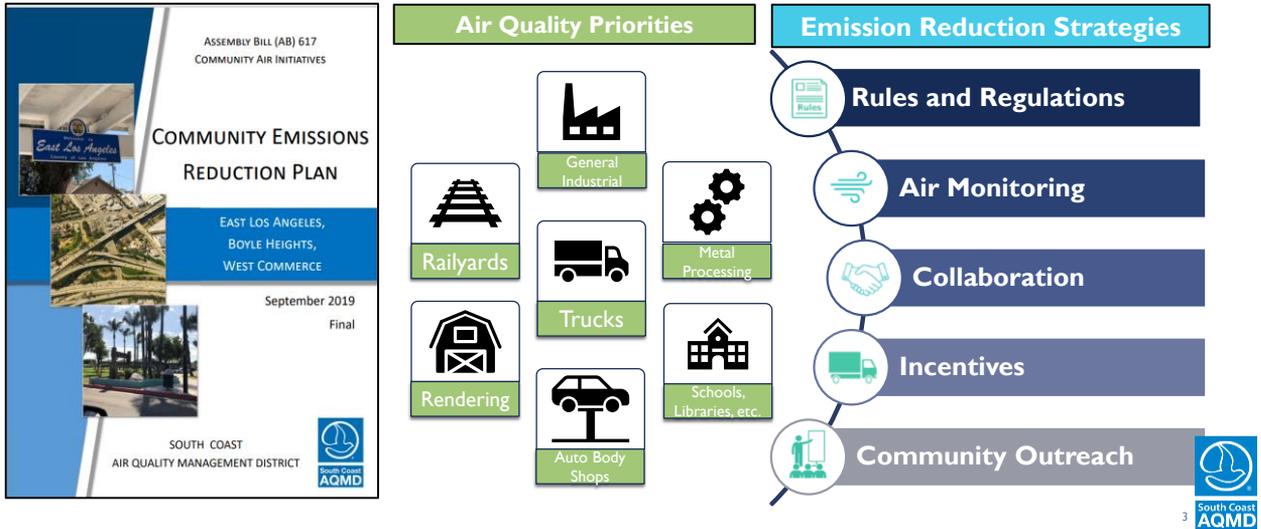
ASSEMBLY BILL 617 OVERVIEW

- Statewide program focused on emissions and exposure reductions in environmental justice communities
- Requires a Community Emissions Reduction Plan (CERP) and Community Air Monitoring Plan (CAMP)



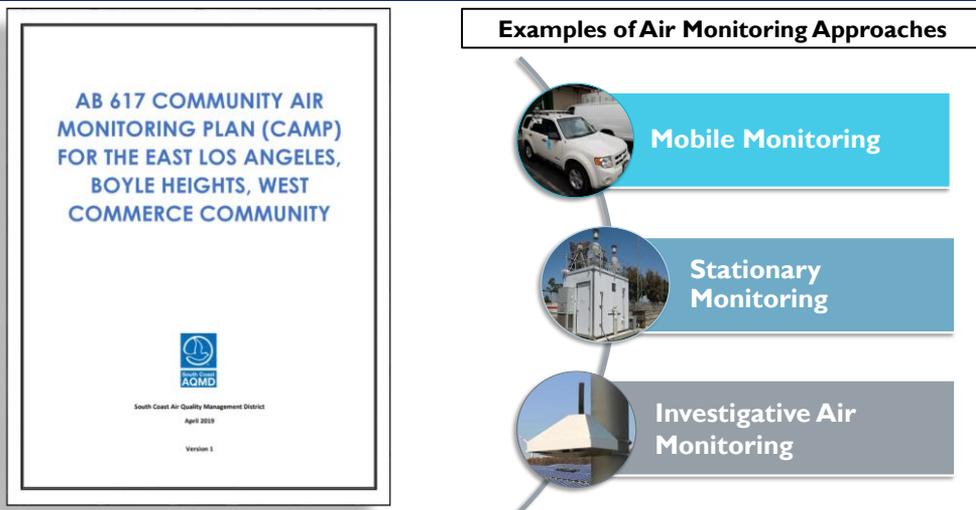
2

COMMUNITY EMISSIONS REDUCTION PLAN (CERP) – OVERVIEW



3

COMMUNITY AIR MONITORING PLAN (CAMP) – OVERVIEW



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ONLINE INFORMATION

- **ELABHWC Homepage:**

<http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/east-la>

- **ELABHWC CERP:**

<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/steering-committees/east-la/cerp/carb-submittal/final-cerp.pdf?sfvrsn=8>

- **ELABHWC CAMP:**

<http://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/elabhwc-camp.pdf?sfvrsn=4>



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AIR QUALITY PRIORITIES COVERED TODAY



Neighborhood and Freeway Truck
and Automobile Traffic



Schools, Childcare Centers,
Community Centers, Libraries and
Public Housing Projects



General Industrial Facilities, etc.



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CERP IMPLEMENTATION – FACILITY INFORMATION DETAIL (F.I.N.D) TOOL

- Chapter 5h - General Industrial, Action I
 - CSC asked for emissions and compliance information for facilities in the community
 - Demonstrate FIND tool to provide training and awareness
 - Seek community feedback on FIND

F.I.N.D.

MAY 27, 2021



South Coast AQMD – Information Management
Brian Roche
Systems and Programming Supervisor



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WHAT IS F.I.N.D.?

- Facility Information Detail
- Mobile-friendly web application
- Search for facilities located within the South Coast AQMD

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SEARCH FOR FACILITIES

- Name & Address
- Facility ID
- Application Number
- NOV or NC
- Hearing Board Case
- Map



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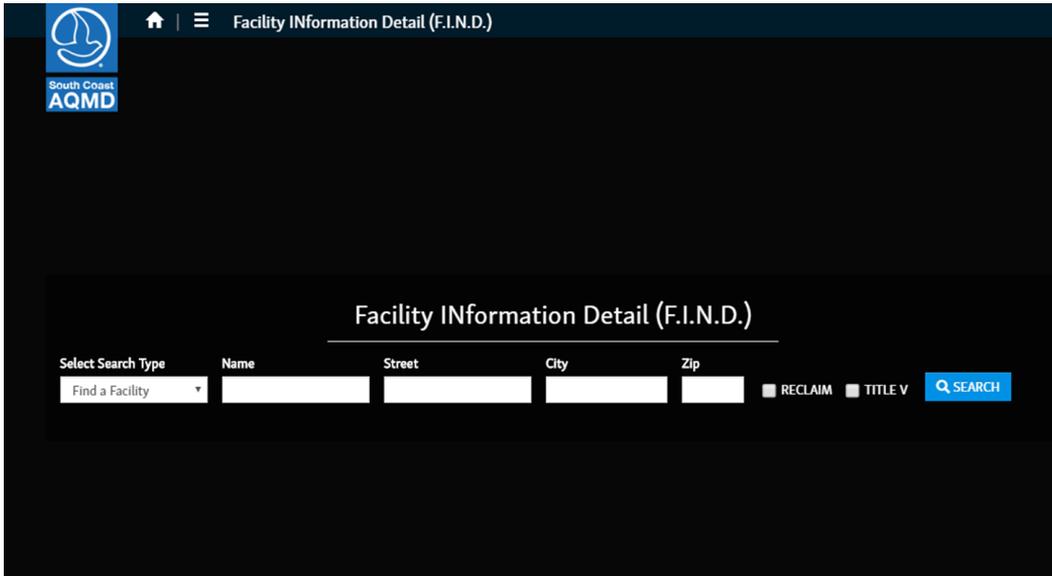
INFORMATION PROVIDED

- Facility Details
- Equipment List
- Notices of Violation/Notices to Comply
- AER Emissions
- Hearing Board
- Transportation
- Documents



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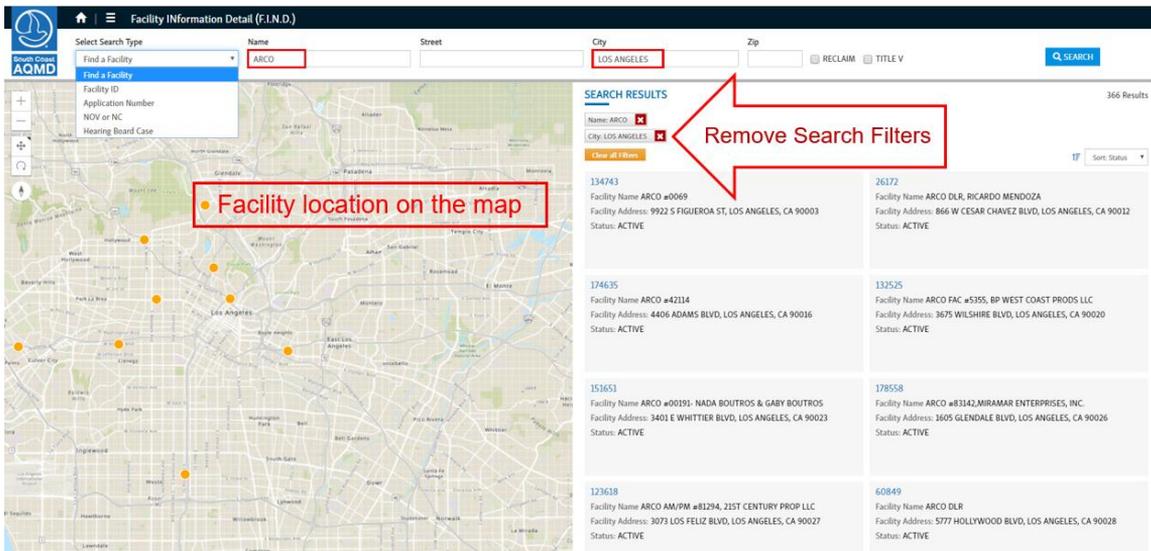
SEARCH SCREEN



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SEARCH RESULTS



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FACILITY DETAILS SCREEN

ARCO FAC #5355, BP WEST COAST PRODS LLC ✕ Close



County of Los Angeles, Bureau of Land Management, Esri, HERE, Garmin, INCREM... Powered by Esri

Address: 3675 WILSHIRE BLVD, LOS ANGELES, CA 90020

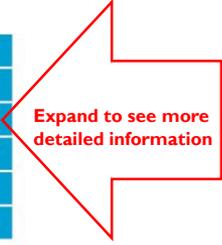
Facility ID: 132525

Status: ACTIVE

Back Fees Due: No.

SIC Code: 5541 **GASOLINE SERVICE STATIONS**

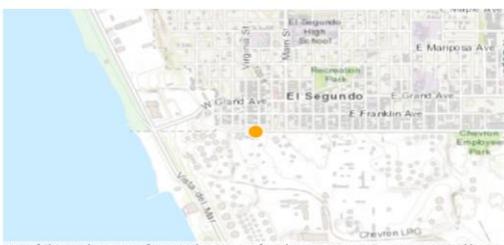
- Equipment List ▼
- Compliance ▼
- Emissions ▼
- Hearing Board ▼
- Transportation ▼
- Documents ▼



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EQUIPMENT LIST SCREEN

CHEVRON PRODUCTS CO. ✕ Close



City of El Segundo, County of Los Angeles, Bureau of Land Management, Esri, HER... Powered by Esri

Address: 324 W EL SEGUNDO BLVD, EL SEGUNDO, CA 90245

Facility ID: 800030

Status: ACTIVE

Back Fees Due: No.

SIC Code: 2911 **PETROLEUM REFINING**

Equipment List ▲

1541 Results

Application Date ▼

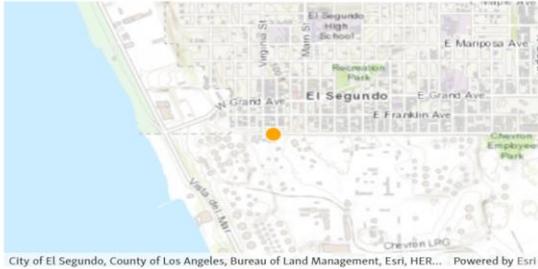
<p>599793</p> <p>Cooling Tower, Rule 222</p> <p>Application Status : PERMIT TO OPERATE GRANTED</p> <p>Permit Status : ACTIVE</p> <p>Application Date : 12/26/2017</p> <p>Type : Basic</p>	<p>599794</p> <p>Cooling Tower, Rule 222</p> <p>Application Status : PERMIT TO OPERATE GRANTED</p> <p>Permit Status : ACTIVE</p> <p>Application Date : 12/26/2017</p> <p>Type : Basic</p>	<p>599795</p> <p>Cooling Tower, Rule 222</p> <p>Application Status : PERMIT TO OPERATE GRANTED</p> <p>Permit Status : ACTIVE</p> <p>Application Date : 12/26/2017</p> <p>Type : Basic</p>
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COMPLIANCE SCREEN

CHEVRON PRODUCTS CO. Close



Address: 324 W EL SEGUNDO BLVD, EL SEGUNDO, CA 90245

Facility ID: 800030

Status: ACTIVE

Back Fees Due: No.

SIC Code **2911** PETROLEUM REFINING

City of El Segundo, County of Los Angeles, Bureau of Land Management, Esri, HER... Powered by Esri

Equipment List

Compliance

Notices of Violation

310 Results

Sort: Notice Issue Date

P64615
 Notice Issue Date: 06/30/2017
 Violation Date: 05/23/2017
 Disposition Date: 06/15/2018
 Disposition: Closed Case

P64616
 Notice Issue Date: 06/30/2017
 Violation Date: 05/24/2017
 Disposition Date: 06/15/2018
 Disposition: Closed Case

P64618
 Notice Issue Date: 06/30/2017
 Violation Date: 05/25/2017
 Disposition Date: 06/15/2018
 Disposition: Closed Case



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DOCUMENTS SCREEN

CHEVRON PRODUCTS CO. Close



Address: 324 W EL SEGUNDO BLVD, EL SEGUNDO, CA 90245

Facility ID: 800030

Status: ACTIVE

Back Fees Due: No.

SIC Code **2911** PETROLEUM REFINING

City of El Segundo, County of Los Angeles, Bureau of Land Management, Esri, HER... Powered by Esri

Equipment List

Compliance

Emissions

Hearing Board

Transportation

Documents

Compliance

Notices of Violation

Permits to Operate

Note: Does not include Permits to Operate for facilities with Facility Permits

Permits to Construct

Temporary authorization to Construct and Operate equipment. Note: May be superseded by Permit to Operate with same application number; Does not include Permits to Construct for facilities with Facility Permits

Emissions

Rule 1148.2 Chemical Reports, Rule 1148.2 Emission Reports, Rule 1148.2 Notifications

Hearing Board

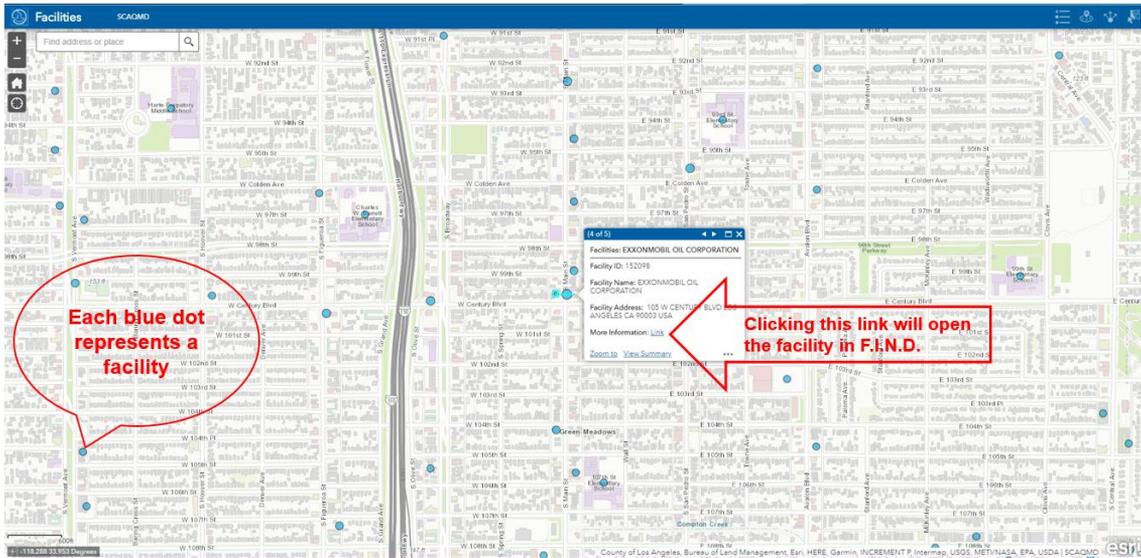
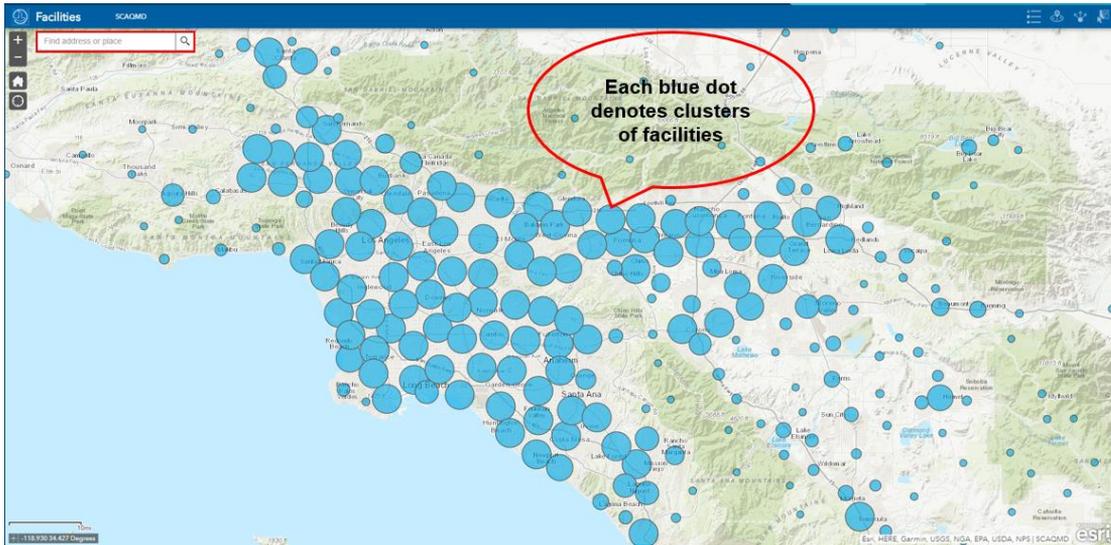
Facility Permits

Includes Permits to Operate and Permits to Construct for Title V and RECLAIM facilities



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FACILITY SEARCH USING F.I.N.D. MAP



USER FEEDBACK & REQUESTED FEATURES

- Expand map features – more searching & filtering
- Search facility attributes:
 - Compliance Data
 - Facility Type
 - AB617 Community
 - Permit Data
- Data Export



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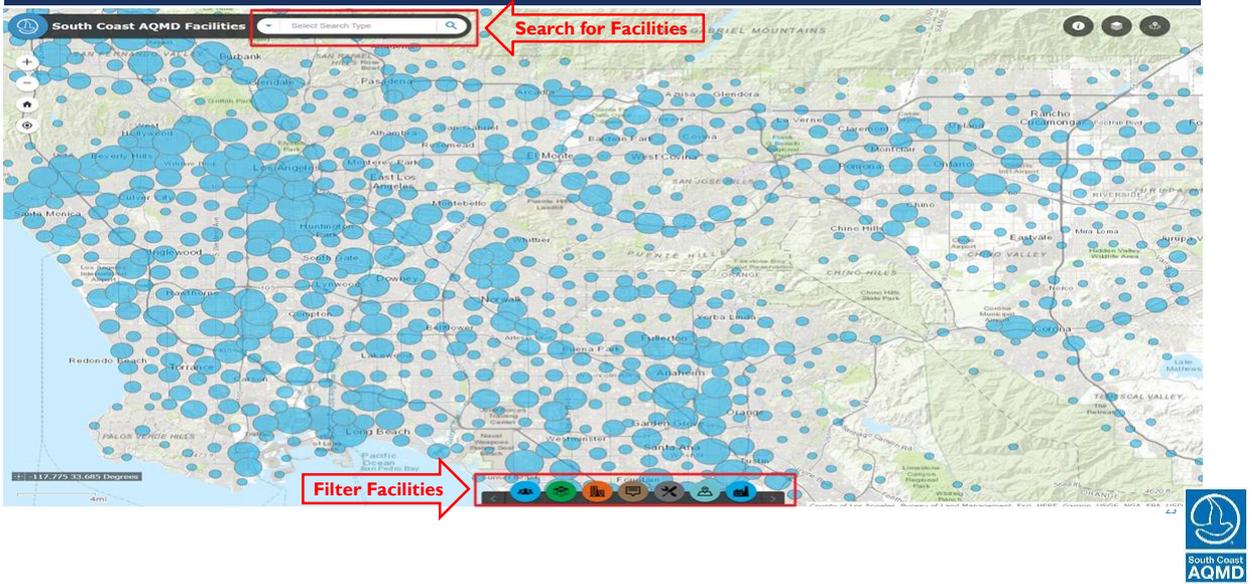
NEW VERSION – 2ND QUARTER 2021

- FIND web application:
 - Search NOV/NC by address
- New Map:
 - Enhanced Searching by Name/Address, Permit, Compliance
 - Filter Facilities by Industry Type, Compliance, Active Permits
- AB617 Community display and filter



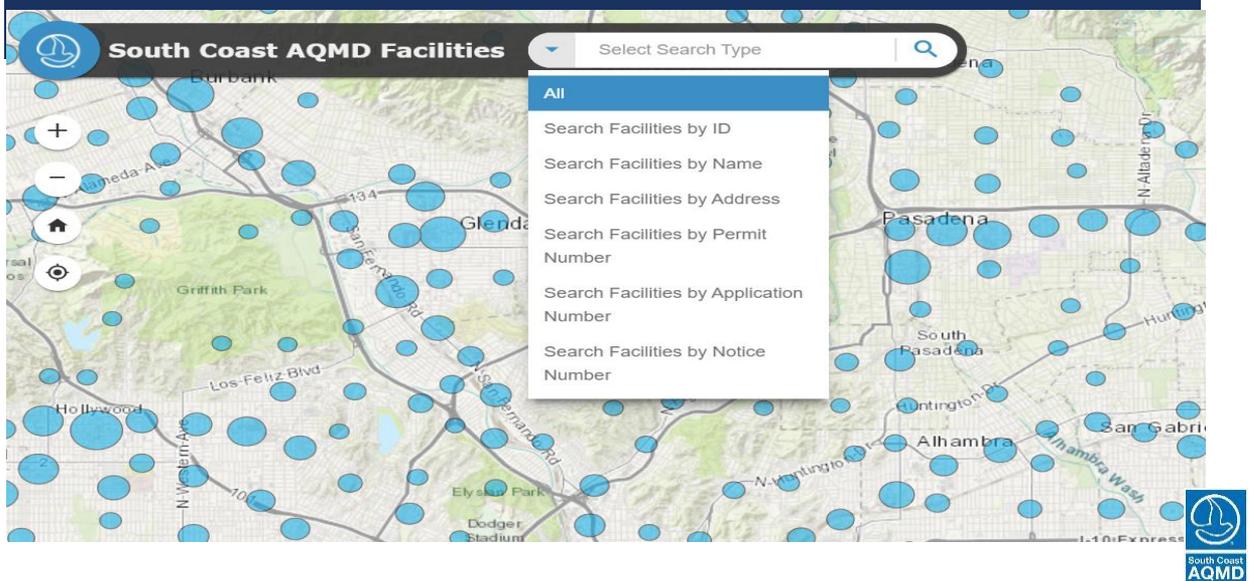
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NEW MAP FOR FILTERING AND SEARCHING



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IMPROVED SEARCHING FUNCTIONS



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SEARCH EXAMPLE – FACILITY NAME

South Coast AQMD Facilities | Search:

- ID 2370 - CHEVRON PIPE LINE CO, CAL DIV
- ID 2526 - CHEVRON USA INC
- ID 4736 - CHEVRON U.S.A. INC
- ID 5333 - CHEVRON PIPE LINE CO, CAL DIV
- ID 6270 - CHEVRON U.S.A. INC
- ID 9550 - CHEVRON U.S.A. INC
- ID 11828 - CHEVRON U.S.A. INC (EIS USE)
- ID 12435 - CHEVRON U.S.A.



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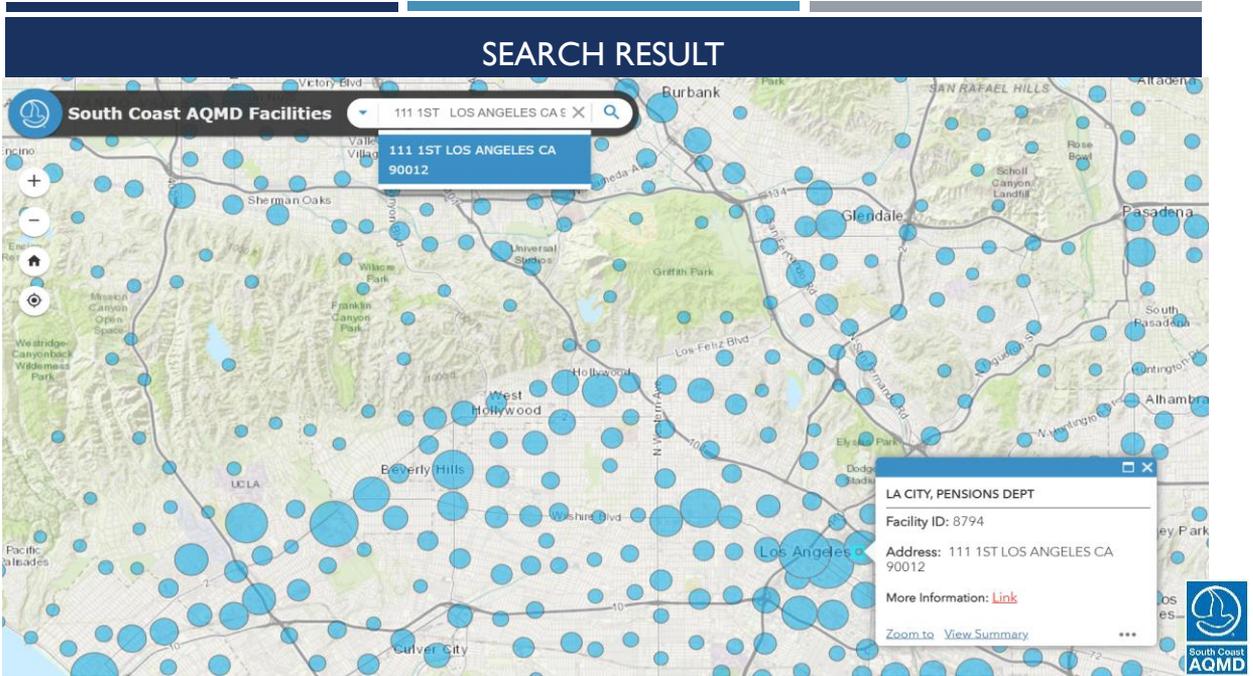
SEARCH EXAMPLE – FACILITY ADDRESS

South Coast AQMD Facilities | Search:

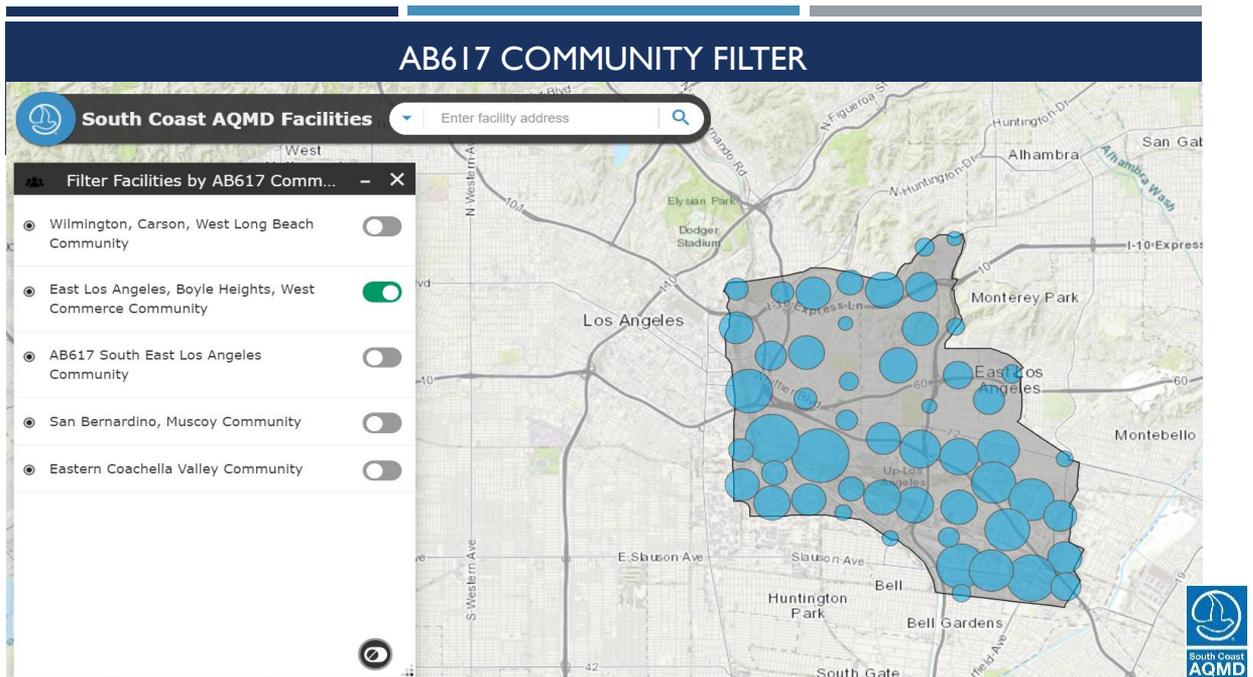
- 750 51ST LOS ANGELES CA 90037
- 1319 41ST LOS ANGELES CA 90011
- 1811 1ST SAN FERNANDO CA 91340
- 318 131ST LOS ANGELES CA 90061
- 1068 251ST HARBOR CITY CA 90710
- 401 1ST ARCADIA CA 91006
- 111 1ST LOS ANGELES CA



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ADDITIONAL FILTERS – FACILITY INFO & INDUSTRY TYPE

The screenshot displays the 'South Coast AQMD Facilities' map interface. At the top, there is a search bar labeled 'Enter facility address'. Below the search bar, two filter panels are open:

- Facility Information:**
 - Facilities with Active Permits:
 - RECLAIM Facilities:
 - TITLE V Facilities:
 - AER Facilities:
- Display Facilities by Industry Type:**
 - Accommodation and Food Services:
 - Administrative and Support and Waste Management and Remediation Services:
 - Agriculture, Forestry, Fishing, Hunting:
 - Arts, Entertainment, and Recreation:
 - Construction:
 - Educational Services:
 - Finance and Insurance:
 - Health Care and Social Assistance:

The map shows a shaded region representing the South Coast AQMD area, with numerous blue circular markers indicating facility locations. The South Coast AQMD logo is visible in the bottom right corner.

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ADDITIONAL FILTERS – COMPLIANCE INFO & FACILITY LOCATION

The screenshot displays the 'South Coast AQMD Facilities' map interface with different filter panels open:

- Filter Facilities for Compliance:**
 - Facilities with Notice of Violation:
 - Select the time to look back: 6 months
 - Facilities with Notice to Comply:
 - Select the time to look back: 6 months
- Filter Facilities by Location:**
 - Facility Name:
 - Enter facility name: [text input]
 - Street:
 - Enter street name: [text input]
 - for example : Main
 - City:
 - Enter city: [text input]
 - for example : Anaheim

The map background remains the same, showing the shaded AQMD region and facility markers. The South Coast AQMD logo is in the bottom right corner.

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FACILITY LOCATION FILTER

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F.I.N.D.

- www.aqmd.gov/find
- www.aqmd.gov/findmap

Questions/Comments:

Brian Roche

Broche@aqmd.gov

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INCENTIVES BUDGETING DISCUSSION RECAP



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INCENTIVES BUDGETING DISCUSSION RECAP

- Chapter 5b – Trucks, Action 2
 - CSC asked for funding to incentivize cleaner trucks in the community
 - Action 2 commits South Coast AQMD staff to identifying incentive funding to accelerate adoption of cleaner trucks
- Chapter 5g – Exposure Reduction, Actions 2 and 3
 - CSC asked for air filtration systems at schools and homes
 - Action 3 commits South Coast AQMD staff to identifying funding for home filtration systems

AQ Priorities: Trucks; Exposure Reduction at Schools, Childcare Centers, Community Centers, Libraries, and Public Housing Projects

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PROJECT DISTRIBUTION POLL RESULTS

- 21 CSC members responded
- CAPP Year 3 Grant disbursement request submitted to CARB on April 29, 2021
- \$5.57M for ELABHWC
- CARB staff to review and approve



33% Zero-Emission Trucks
~ \$1.8M



33% Home Air Filtration Systems
~ \$1.8M



33% School Air Filtration Systems and Replacement Filters
~ \$1.8M



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INCENTIVES BUDGETING DISCUSSION RECAP AND NEXT STEPS

VICKI WHITE
TECHNOLOGY IMPLEMENTATION MANAGER



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INCENTIVE FUNDING – NEXT STEPS

- Based on CARB Community Air Protection Incentives 2019 Guidelines
- Project Plans allow us to customize to address specific community needs and priorities



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PROJECT PLAN – REQUIRED ELEMENTS

- **Project-Identification**
- **Community Support**
- **Participant Requirements**
- **Funding Amounts**
- **Project Selection**
- **Reporting**
- **Inspection Requirements**



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INCENTIVE FUNDING – PUBLIC PROCESS

- South Coast AQMD needs your input to develop criteria for funding truck priorities
- Truck project plan will include multiple CSCs
- Fall 2021 thru early 2022, hold 2 to 3 workshops to seek CSC input on criteria and project plan development for trucks



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USEFUL LINKS

- Community Air Protection Incentives 2019 Guidelines: ww2.arb.ca.gov/our-work/programs/community-air-protection-incentives
- Link to CARB-approved Project Plans: ww2.arb.ca.gov/our-work/programs/community-air-protection-incentives/stationary-source-and-community-identified
- South Coast AQMD website for Community Air Protection Incentives: www.aqmd.gov/cappincentives



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CARB & SOUTH COAST AQMD COMPLIANCE UPDATE

- Chapter 5b – Trucks, Action I
 - CSC expressed concerns with emissions from idling trucks
 - Focused enforcement is a CERP strategy to reduce emissions from idling trucks

AQ Priorities: Trucks

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Truck Enforcement Efforts in Your Community CERP Implementation Update

East Los Angeles – Boyle Heights – West Commerce
Crystal Reul-Chen (crystal.reul-chen@arb.ca.gov)

May 27, 2021

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CARB's CERP Enforcement Commitments for ELABHWC

Action	Frequency
(5B: Action 2) Drayage Truck and Truck and Bus Regulations Enforcement	Conduct focused enforcement of our Truck and Bus and Drayage Truck rules
(5B: Action 1) Idling Enforcement Sweeps	Conduct focused enforcement for idling trucks at a minimum quarterly
(5B: Action 1) Collaborate with the CSC to inform community members on how to report idling trucks	Engage in two outreach events and provide outreach materials to community members how to report idling trucks
Report back to CSC	Report back to CSC bi-annually (twice a year) and adjust enforcement efforts



Where is idling allowed and not allowed?

California's Truck Idling Rules are Enforced
Know the rules and your options

Any law enforcement department, including districts and CARB, can fine a 10,000 per or greater truck owner and driver up to \$1 per day for illegal idling (3 CCR 2460 & 2461).

Where can't trucks idle?
Within 100 feet of these restricted areas, even with a certified Clean Idle engine/sticker:

- Homes
- Schools
- Hospitals
- Senior Care Facilities
- Childcare Facilities

When can trucks idle?
For up to 5 minutes in most other parts of California, and for longer in these conditions:

- With certified Clean Idle engine and while queuing in unrestricted areas
- In adverse weather conditions
- Using a power take-off device
- In traffic
- During mechanical failure
- For certain inspections

What are the benefits of not idling?
\$\$\$ Save money

- Restarting a truck uses less fuel than idling.
- Between 1/2 and 1 gallon of fuel is used for every hour of idling.
- At \$4 per gallon, a diesel truck idling for only an hour per work day can cost \$200-\$1000 annually.
- Save on maintenance costs and increase the life of the vehicle: idling an engine can cause twice the wear and tear on engines as driving at regular speeds.
- Quicker for your neighbors.

Less air pollution means fewer illnesses and deaths from lung and heart disease.

How can you stay comfortable in the cab?

- Use battery-powered auxiliary power systems.
- Use electric hook-ups that provide heating, cooling, and electricity.
- When possible, open windows and wear layers.

Myth: Diesel particulate filter (DPF) regeneration requires idling.
Fact: DPF regeneration passively occurs at driving speed engine temperatures. To achieve the temperature needed to regenerate the DPF while idling requires injecting about 1/2 gallon of fuel into the engine on top of the fuel already needed during idling.

When in doubt, turn it off.
For you, your family, your friends, and your community.
Visit www.carb.ca.gov for more information CARB's idling rules.

When can trucks idle?

For up to 5 minutes in most other parts of California, and for longer in these conditions:

- With certified Clean Idle engine and while queuing in unrestricted areas
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- In traffic
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- Hospitals
- Senior Care Facilities
- Childcare Facilities





CARB/SCAQMD Idling Enforcement

- CARB/SCAQMD both conducted at least one sweep every quarter in 2020
- 2020: SCAQMD observed 139 trucks
 - 78 had Clean Idle stickers. 1 out of compliance (99%+ compliance) rate).
- 2019: SCAQMD began idling enforcement 4th quarter
 - Observed 35 trucks; 0 NOVs issued (100% compliance)
- 2020: CARB conducted 572 vehicle inspections, 20 out of compliance (96% compliance rate) *
- 2019: CARB conducted 419 vehicle inspections in 2019, 7 out of compliance (98% compliance rate)**

*Preliminary data: See EDVS this summer for final numbers.
 **421 total vehicle inspections from 2016 – 2018 (93% compliance rate)

EDVS

Next Steps: Any changes to truck enforcement of the idling rules this next year?

From the CERP (Chapter 5B, pages 5b-4 and 5b-5):

“Conduct focused enforcement for idling trucks in high traffic areas, prioritizing areas near schools and residential areas. Other areas prioritized by the CSC include areas near distribution centers and high traffic corridors such as Soto Street, 4th Street, and Whittier Blvd.”



No change to roaming (idling) enforcement



More focused on certain areas? Which?



Focus on other areas? Which?



SCAQMD 2020 Idling Sweeps in ELABHWC



Date	Location	City	# trucks or buses observed	# of idling Clean Idle stickers observed	# NOVs issued
2/25	4th St/Clarence, 4th St/Mott, Bonnie Beach/Worth St	East LA	17	10	1
5/19	Union Pacific/Eastman, Sunol Dr/Dunham St, Noakes St/Eastman, Washington Blvd/Ayers Ave, Fidelia Ave/Sheila St	Commerce	62	36	0
8/5	Atlantic/Riggin, Whittier/Ferris, Whittier/Oakford, Gerhart/Olympic, Ferguson/Gaspar, Ferguson/Saybrook	Los Angeles	39	16	0
11/3	Randolph St/S Malt Ave, E Gage Ave/Emil Ave, NE Corner of S Eastern Ave/Harbor St, Supply Ave/ Condor St	Commerce	21	16	0



ELABHWC CARB 2020 Idling Enforcement Locations

Date	Address	Passed	Inspections				
				8/17	E Olympic Blvd.	16	17
1/13	2652 E. 12 th St., LA	19	19	8/20	2529 S Santa Fe Ave	13	14
1/27	1525 Los Palos St. LA	30	31	8/24	746 S Alameda St	10	10
2/12	3737 S Soto St	10	11	8/25	E Washington Blvd	7	8
2/24	E 6th St & S Anderson St	4	4	8/26	Valley Blvd & N Mission Rd	12	12
2/24	E 26th St & S Soto St	12	12	8/27	E Washington Blvd	11	11
2/24	Whittier Blvd	4	4	8/31	2652 E 12th St	8	9
3/12	Calada St & E Olympic Blvd	13	14	9/1	5261 E Washington Blvd	22	22
3/16	2650 E Olympic Blvd	11	11	9/2	Valley Blvd & N Mission Rd	15	16
6/10	935 S Boyle Ave	15	17	9/3	1751 S Soto St	20	21
7/15	2484 E Olympic Blvd (off-road, not commercial)	17	18	9/9	Valley Blvd & N Mission Rd	8	8
7/21	Roaming LA	7	9	9/9	E Washington Blvd & S Soto St	15	15
7/22	1400 Calzona St.	23	24	9/10	E Washington Blvd & Garfield Ave, Commerce	15	16
7/23	3737 S Soto St	15	15	9/17	E Washington Blvd & Garfield Ave	13	14
7/27	Rio Vista Ave & S Soto St	8	9	9/21	Atlantic Blvd	20	21
7/28	2445 Ralph Lieberman Ave	31	31	9/23	Valley Blvd & N Mission Rd	12	12
7/30	1601 S Soto St	13	13	9/24	E Washington Blvd & Eastern Ave, Commerce	13	13
8/3	1585 Rio Vista Ave	9	9	9/30	5729 Smithway St	23	23
8/6	3200 E Washington Blvd	15	15	10/8	2720 E 11th St, Los Angeles, CA 90023	17	18
8/12	Valley Blvd & N Mission Rd	12	12	10/14	3200 E Washington Blvd, LA, CA 90058	10	10
				11/12	2600 S Eastern Ave, Commerce, CA 90040	4	4



*Preliminary data – EDVS map expected to be updated by the end of June

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RULE 2305 - WAREHOUSE INDIRECT SOURCE RULE (ISR) UPDATE



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WAREHOUSE INDIRECT SOURCE RULE (RULE 2305) UPDATE

- Chapter 5b – Trucks, Action 2
 - Emissions from trucks accessing warehouses are a CSC concern
 - Developing the Warehouse Indirect Source Rule (ISR) is a CERP strategy to reduce emissions associated with warehouse activity, including trucks

AQ Priorities: Trucks

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RULE 2305 UPDATE

Public Hearing with Governing Board

- Rule 2305 and Rule 316 adopted
- Fulfills one of the key actions requested by the CSCs
- 362 Rule 2305 applicable warehouses in ELABHWC

Upcoming Dates

- Warehouse Operations Notification (Sept 1, 2021)
- First Compliance Period for Warehouses \geq 250,000 sq ft (Jan 1, 2022 – Dec 31, 2022)



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NEXT STEPS

- Submit into the SIP
- Outreach to regulated community
- Develop compliance program and online portal
- New email for Rule 2305 questions
waire-program@aqmd.gov
 WAIRE Program hotline **909-396-3140**

Questions?



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CAMP IMPLEMENTATION & MONITORING PROGRESS REPORTS



2ND QUARTER CSC MEETING 2021

PAYAM PAKBIN, PhD
PROGRAM SUPERVISOR

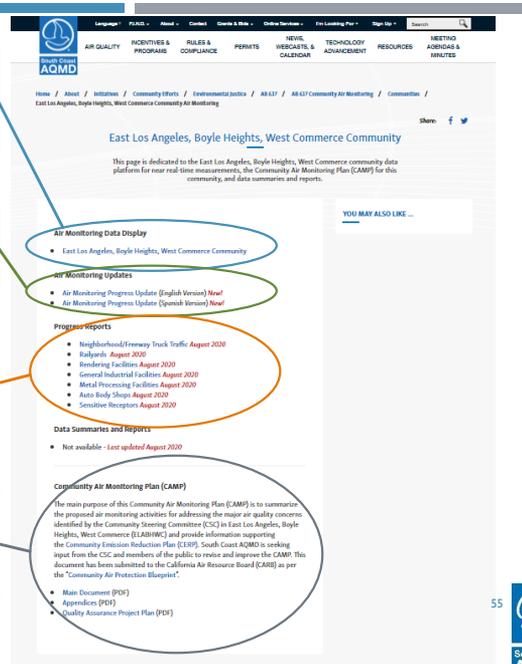
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AIR MONITORING RESULTS AND REPORTS

You can access the air monitoring data and air monitoring progress reports on the ELABHWC monitoring webpage:

<http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134/ab-617-community-air-monitoring/communities/elabhw>

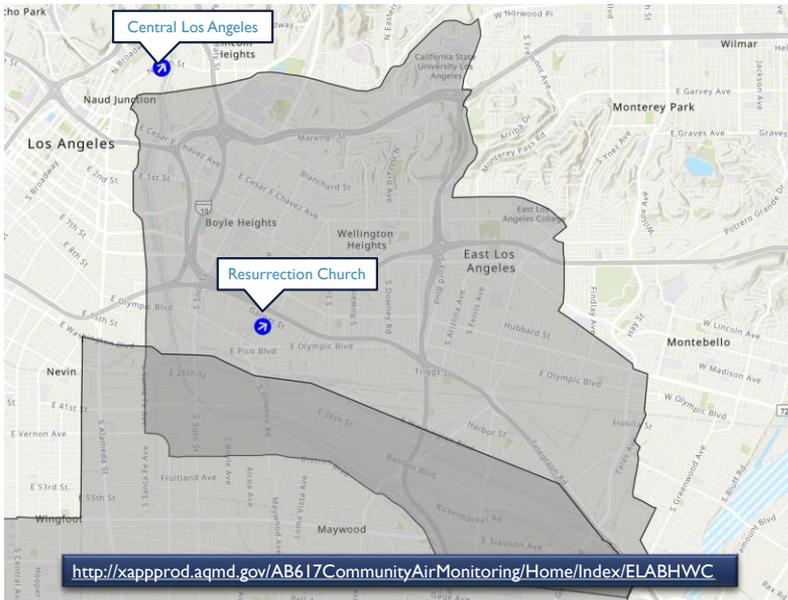
- Data visualization and access to continuous measurements at the fixed sites in near real-time
- Progress report infographic on CERP air monitoring actions
- Air monitoring progress reports for each air quality priority
- Community Air Monitoring Plan (CAMP) and related documents



PROGRESS REPORTS FOR EACH AIR QUALITY PRIORITY

Progress report on the monitoring actions in the CERP

- Each report contains:
 - Background and objectives of air monitoring
 - Monitoring methods and strategies
 - Air monitoring results
 - Data interpretation
 - Next steps



BASELINE MEASUREMENTS AT ELABHWC COMMUNITY STATIONS

You can now access hourly air toxic metals data at the Resurrection Church site on the data display tool



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WHY DO WE DO BASELINE MEASUREMENTS?

- Baseline measurements is one of the CAMP actions
- To provide information about general air quality conditions
- To provide hourly air pollution levels and compare them with air quality standards and health thresholds
- To compare the levels measured in this community to air pollution levels in other communities
- To track the progress of emission reduction strategies, by repeating the same measurements at the same locations after the CERP has been implemented



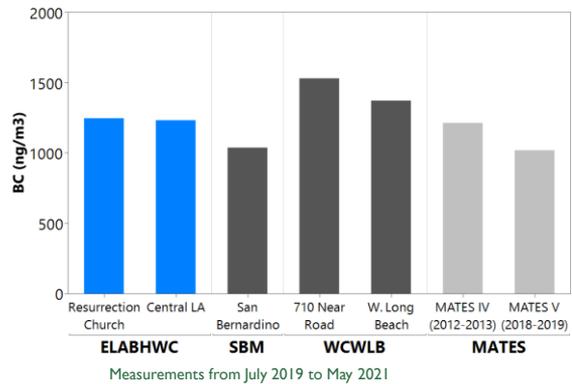
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UPDATE ON BASELINE MEASUREMENTS: BLACK CARBON

Based on South Coast AQMD's **Multiple Air Toxics Exposure Study (MATES)** diesel particulate matter (diesel PM) is the air toxic with the highest health impact in the Basin

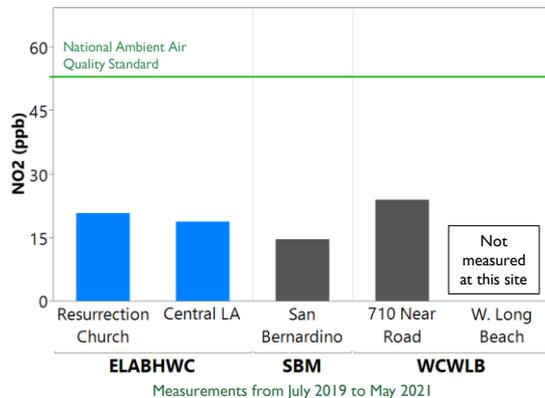
- Diesel PM cannot be measured
- Soot or black carbon (BC) is a good indicator for diesel PM



UPDATE ON BASELINE MEASUREMENTS: NITROGEN DIOXIDE

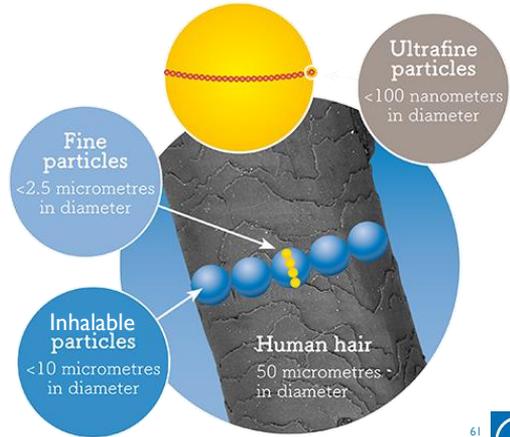
Nitrogen dioxide (NO₂) is a highly reactive gas that is mainly emitted from burning of fuel. This includes tailpipe emissions from cars, trucks and buses, and off-road equipment

- Exposure to high levels of NO₂ can lead to adverse health impacts
- NO₂ reacts with other chemicals in the air to form both PM and ozone



PARTICULATE MATTER

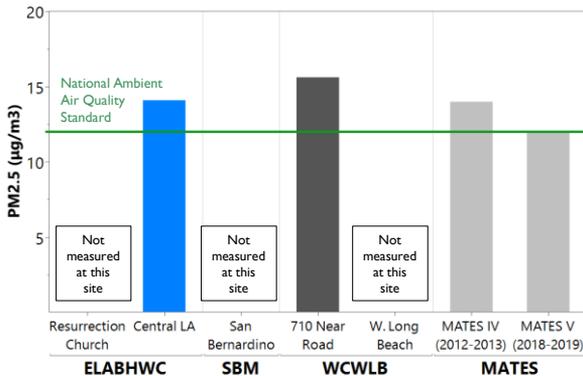
- **Particulate matter (PM)** can significantly vary in size and chemical composition depending on the source of emissions
 - **PM10 (inhalable PM)** are the larger inhalable particles that can be emitted from resuspension of dust
 - **PM2.5 (fine PM)** can be emitted from fuel combustion, brake and tire wear, and industrial sources. However, most PM2.5 in LA Basin is from regional sources
 - **UFP (ultrafine PM)** are significantly smaller and are short-lived in the atmosphere. Therefore, they have localized impact and have much higher concentrations near major roadways



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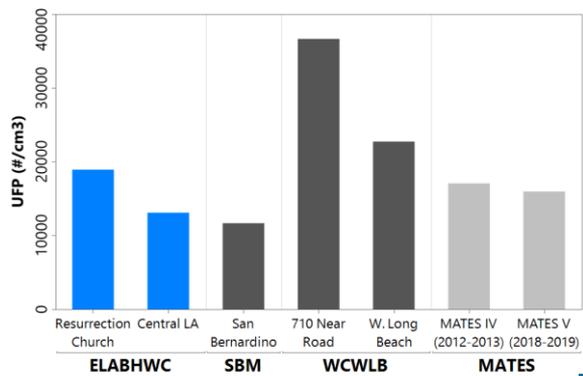
UPDATE ON BASELINE MEASUREMENTS: PARTICULATE MATTER

PM2.5 is a regional pollutant



Measurements from July 2019 to May 2021

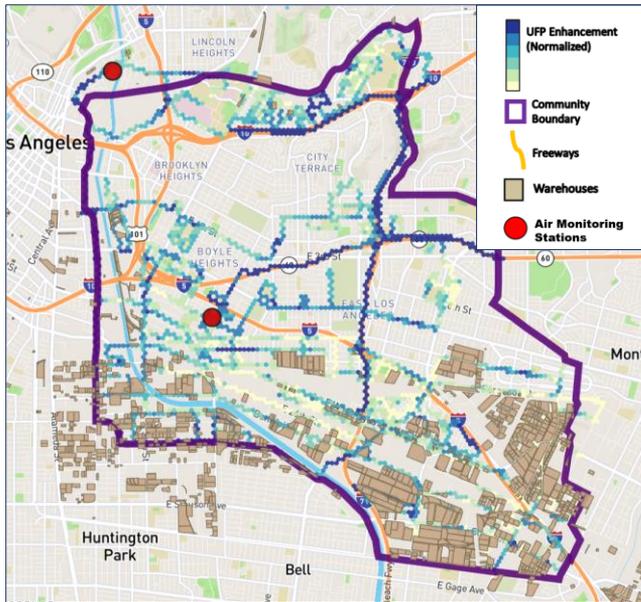
UFP is a localized pollutant



Measurements from July 2019 to May 2021



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MOBILE MONITORING SURVEYS

Mobile monitoring can help identify pollution hotspots and support CERP actions

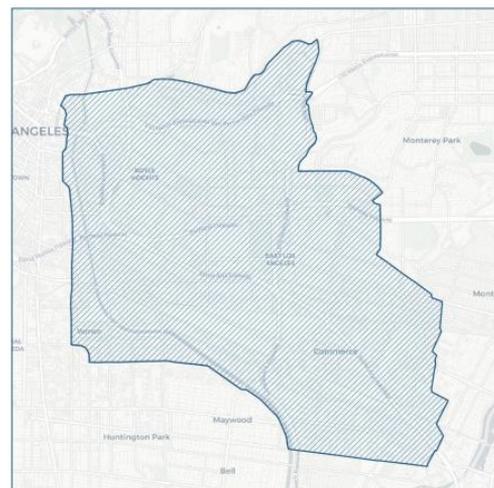


COMPREHENSIVE MOBILE MEASUREMENTS BY ACLIMA

Starting on July 2021, Aclima will deploy an independently operated fleet of instrumented vehicles in ELABHWC to measure the following air pollutants:

- PM2.5, NO₂, NO, O₃, CO₂, CO, BC and total VOCs
 - 24 hours/day and 7 days a week
 - July 1 – September 30, 2021

The cars are operated by drivers hired within the community



SEEKING CSC INPUT

- Comments, Questions, Concerns?

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