

Community Air Initiatives

Wilmington, Carson and West Long Beach Community Air Initiatives and Opportunities for Participation

*Tuesday, October 2, 2018
Wilmington, CA*



**South Coast
AQMD**

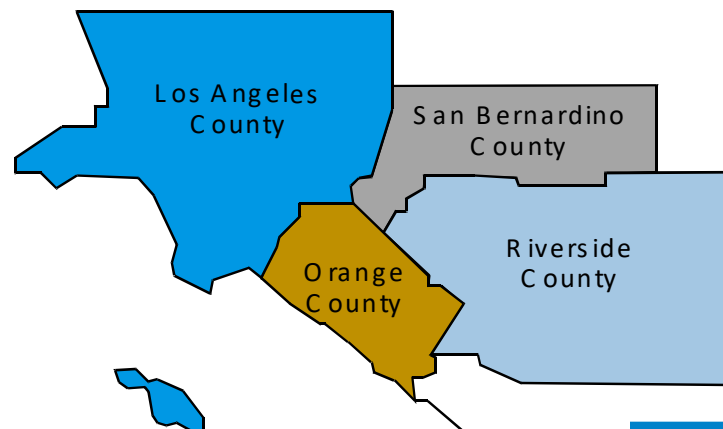


Who is the SCAQMD?

Regional Government Agency Responsible for Protecting Our Residents from the Health Effects of Air Pollution

What we do

- Develop **Air Quality Management Plan**
- Adopt air quality **rules and regulations**
- Issue **permits**
- Conduct periodic **inspections** and respond to **air quality complaints**
- **Enforce District rules** through inspections and complaints
- Issue **violations** and assess **penalties** as appropriate
- Develop and deploy **clean technology**
- Conduct **air monitoring**
- **Engage** with all stakeholders through **public outreach**



Community Air Initiatives in Wilmington, Carson and West Long Beach



Refinery
Monitoring



Community
Level
Monitoring

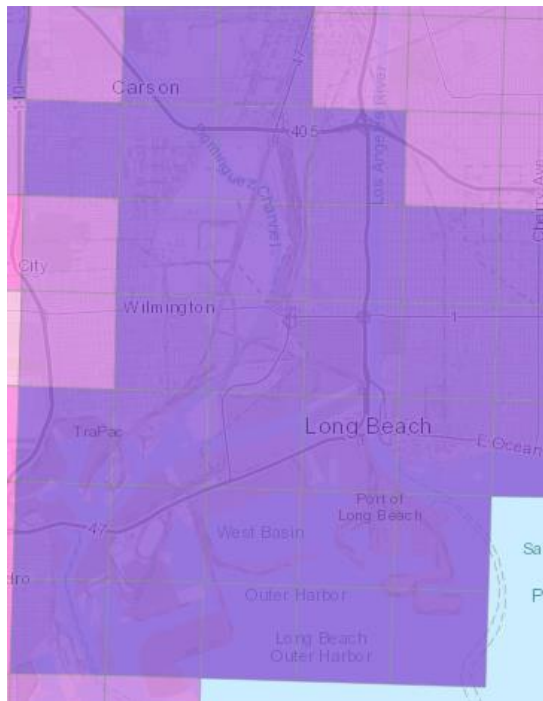


Public
Participation



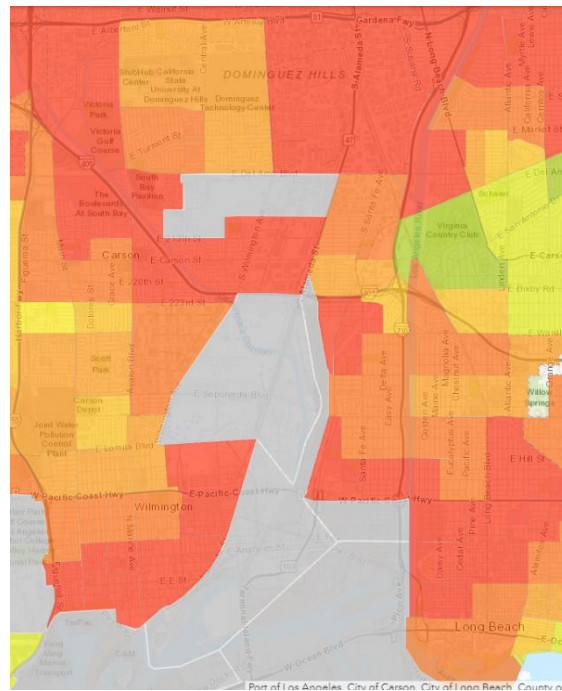
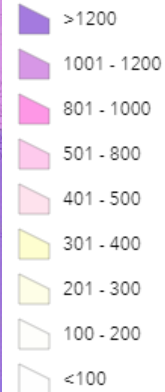
Air
Pollution
Action
Plans

Why this community?

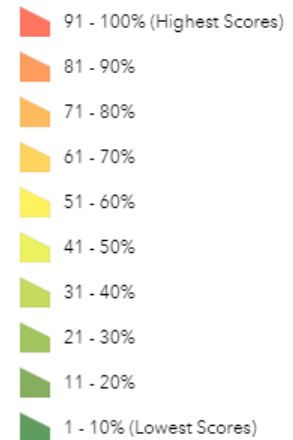


MatesIV

Estimated Risk

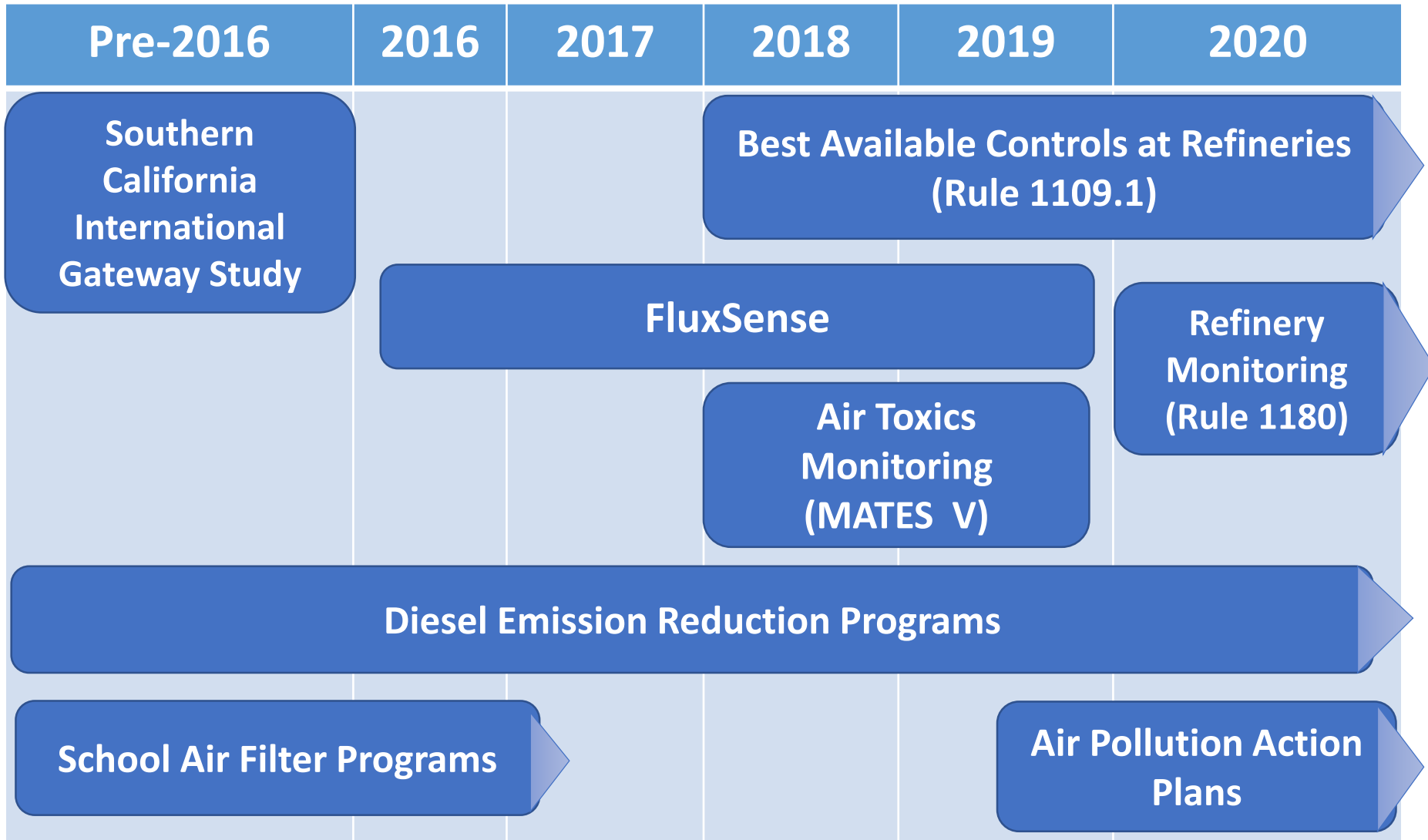


CalEnviroScreen 3.0 Results (June 2018 Update)



High Pollution, Low Population

Past, Current, and Upcoming Actions in This Community



Community Steering Committees: Role and Process

Wilmington, Carson and
West Long Beach Community



Key elements of AB 617

**Community
Air
Monitoring**

**Community
Emission
Reduction
Plans**

**Easier
Access to
Emissions
Data**

**Community
centered**

**Best
Emission
Controls**

**Clean
Technology
Investments**

Key milestones in statute

2019

Jul

July 1 – Deadline for SCAQMD to deploy **air monitoring for YEAR 1 communities**

2019

Sep

Sept 27 – Deadline for SCAQMD to adopt **emissions reduction plans for YEAR 1 communities**

2023

Dec

December 31 – Deadline for SCAQMD to implement **Best Available Retrofit Control Technology (BARCT)**



Community Steering Committee

Purpose

Identify and prioritize air pollution issues

Guide strategies for:

- Community air monitoring
- Emissions reduction program

Provide input on community definition

Develop approaches and assist with community outreach

Track progress

Who should will be part of it?



Active residents and community leaders



Local business owners or workers



Agencies

Community organizations

Others

Local Land use authorities

Community Steering Committee

Membership process

1. **Visit Booth #3**
2. **Fill out an interest form**
3. **Members will be contacted in October**
4. **First Community Steering Committee meeting:
October 30 (in Wilmington)**
5. **Visit our website (www.aqmd.gov/AB617) for more
information and updates**

Current and Upcoming Air Monitoring Programs in this Community

Wilmington, Carson and
West Long Beach Community



What types of monitoring are we doing in Wilmington, Carson, and WLB?

- SCAQMD has been conducting community-based monitoring in Los Angeles Basin ahead of AB 617 monitoring schedule
- We will work with Community Steering Committees to ensure we are addressing the top priorities
- Community monitoring focuses on communities most impacted by the local sources of air pollution
- We use a combination of methods
 - Traditional methods – Criteria pollutants (FRM, FEM, EPA Guidance)
 - Advanced methods – Air toxics (sensors, remote sensing, mobile platforms)

Current Air Monitoring Efforts



Flight-Based Air Toxics Measurement

Survey large areas

Mobile Air Toxics Laboratory

Survey refineries & petroleum facilities

Optical Tent

Continuous real-time leak detection

Low-Cost Sensor Networks

Community engagement & air quality and sensor training

Air Monitoring Stations

Reference point

Current Air Monitoring Efforts

Learn about these programs at Booth #2

Learn about these programs at Booth #2 and #4

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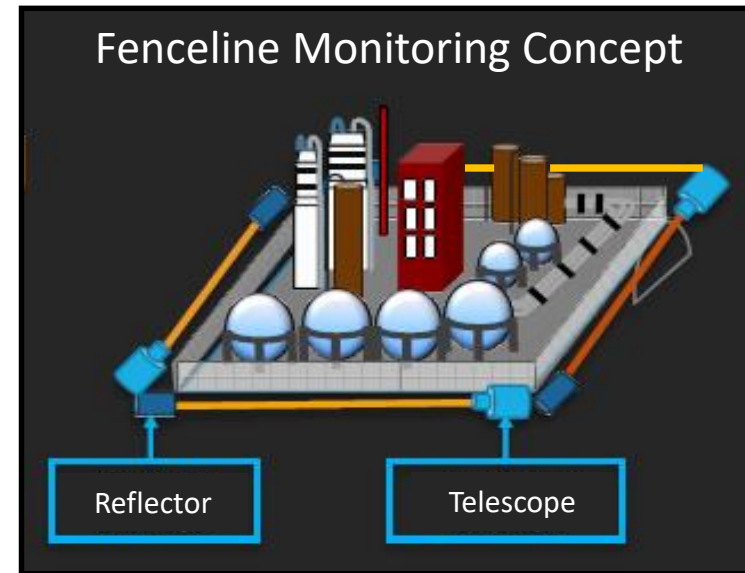
Reference point

Upcoming Air Monitoring Programs

- Fenceline and community air monitoring at and near refineries (Rule 1180)
 - Using state-of-the art, continuous technologies with real-time reporting

Visit Booth #1

- Combination of these monitoring efforts offers the most comprehensive community monitoring in the Nation
- AB 617 monitoring will utilize the current and upcoming monitoring technologies and programs
- AB 617 monitoring plans will be developed through a public process



Visit
Booth #3



Incentive Programs for Mobile Source Emission Reductions

Wilmington, Carson
and West Long Beach Community



SCAQMD's Main Incentive Programs

Carl Moyer Program

- Trucks
- Transit buses
- Refuse trucks
- Public agency/utility vehicles
- Emergency vehicles
- Construction/Ag
- Marine Vessels
- Shore Power
- Locomotives
- Cargo Handling
- Infrastructure

- 1998 – Present
- \$467 Million
- 6,708 vehicles
- Emissions Reduced (tpy):
NOx: 7,598 PM: 222

Prop 1B

- Trucks
- Shore Power
- Locomotives
- Cargo Handling
- Transport Refrigeration Units (TRUs)

- 2009 - Present
- \$485 Million
- >7,300 vehicles
- Emissions Reduced (tpy):
NOx: 7,086 PM: 220

Replace Your Ride

- Light-Duty Vehicles
- Alternative Mobility Options (transit passes, Uber, Lyft)
- Electric vehicle chargers

- 2015 - Present
- \$24 Million
- 3,100 vehicles
- Emissions Reduced (tpy):
NOx: 29 HC: 67 CO: 8,031

Lower Emission School Bus Program

- School buses
- Infrastructure
- CNG tank replacements

- 2001 - Present
- \$280 Million
- 5,000 vehicles
- Emissions Reduced (tpy):
NOx: 219 PM: 25

Incentives for Community Air Protection

Early actions to reduce emissions

AB134 (2017)
SB856 (2018)

Reducing emissions in disadvantaged and low-income communities

AB134

- \$107.5 million to SCAQMD
- Carl Moyer Program (up to 40% for clean truck projects)

SB 856

- \$245 million (statewide)
- Mobile Sources
- Charging Infrastructure
- Stationary Sources
- Projects for community Emission Reduction Plans

Incentive Projects Types



Learn more at
Booth #5

Open House Booths

<p>Booth 1</p> <p>Refinery Fenceline and Community Air Monitoring</p>	<p>Booth 2</p> <p>Community Air Measurements in Carson and Wilmington</p>
<p>Booth 3</p> <p>Steering Committees for Community Air Initiatives to Reduce Air Pollution (AB 617)</p>	<p>Booth 4</p> <p>Community Air Measurements in West Long Beach</p>
<p>Booth 5</p> <p>Incentives for Cleaner Vehicles and Equipment</p>	<p>Booth 6 and 7</p> <p>YMCA and Rotary Local Programs</p>

Questions?

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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