

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



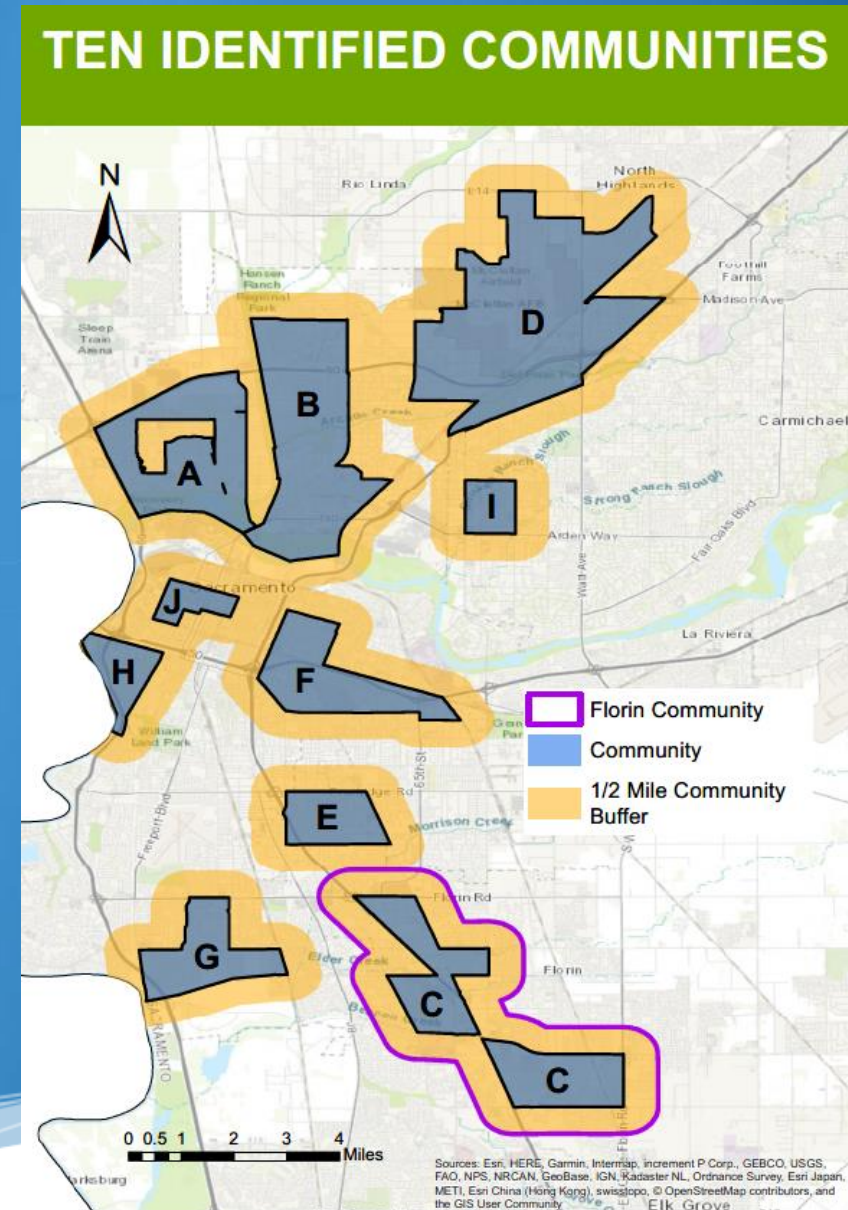
Sensitive Receptors



Sensitive Population

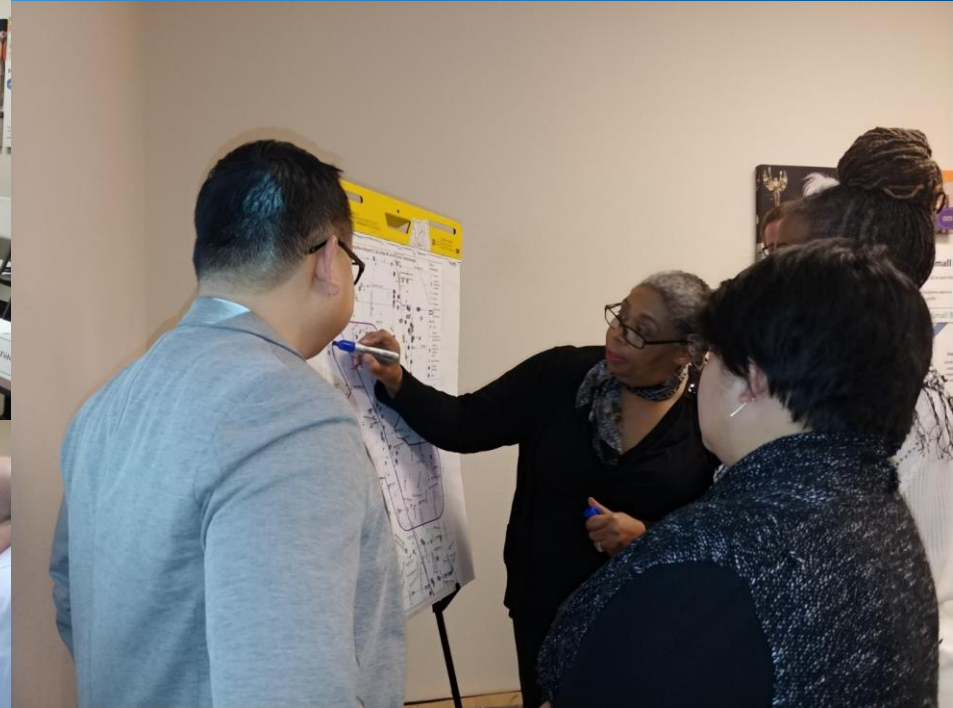
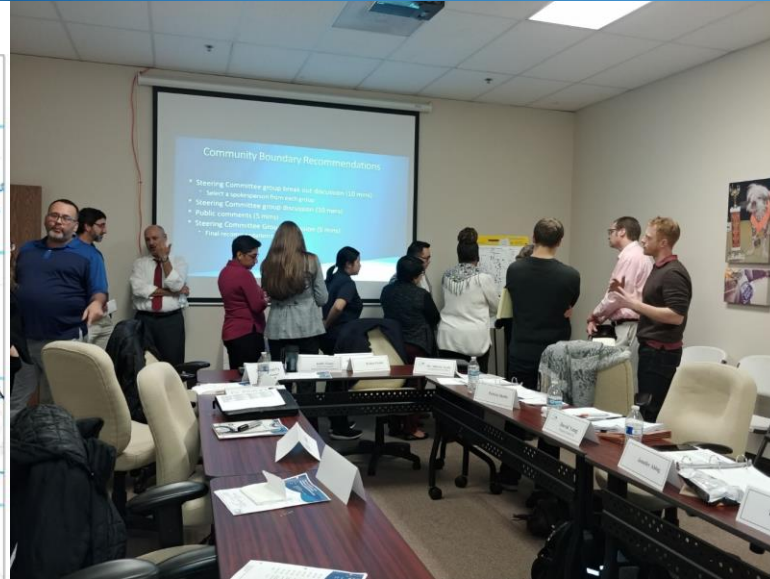
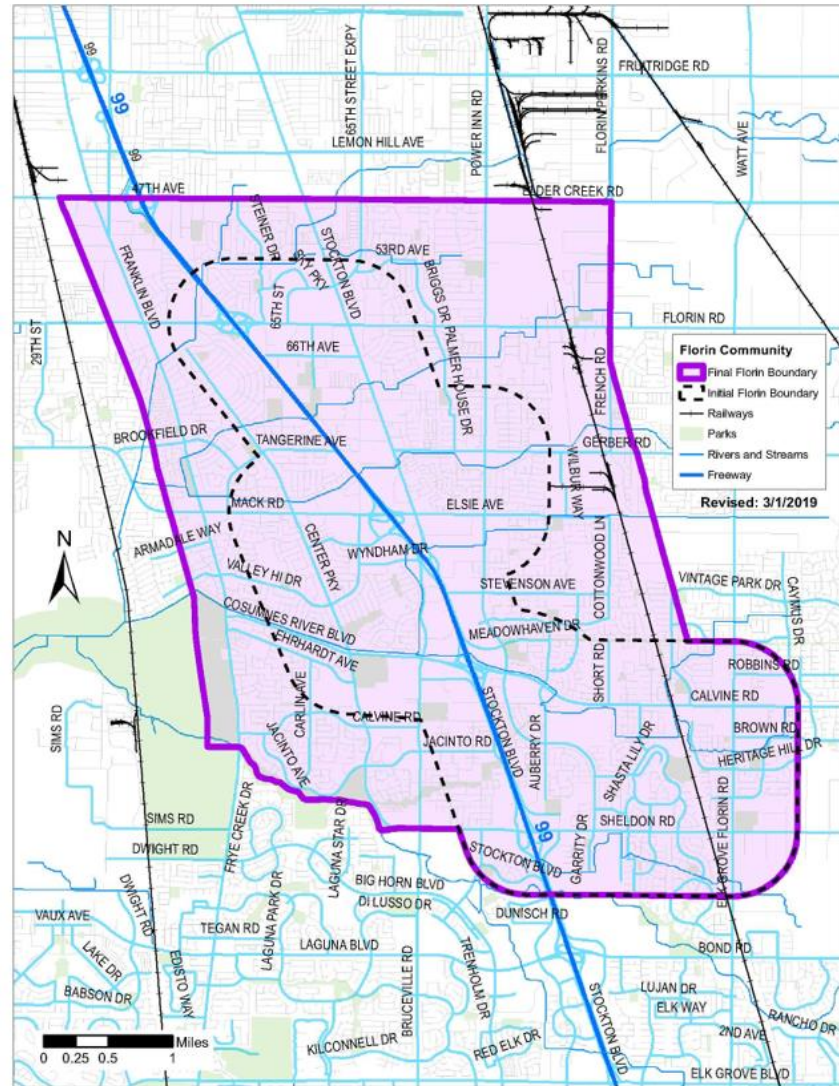


Questions for the Community



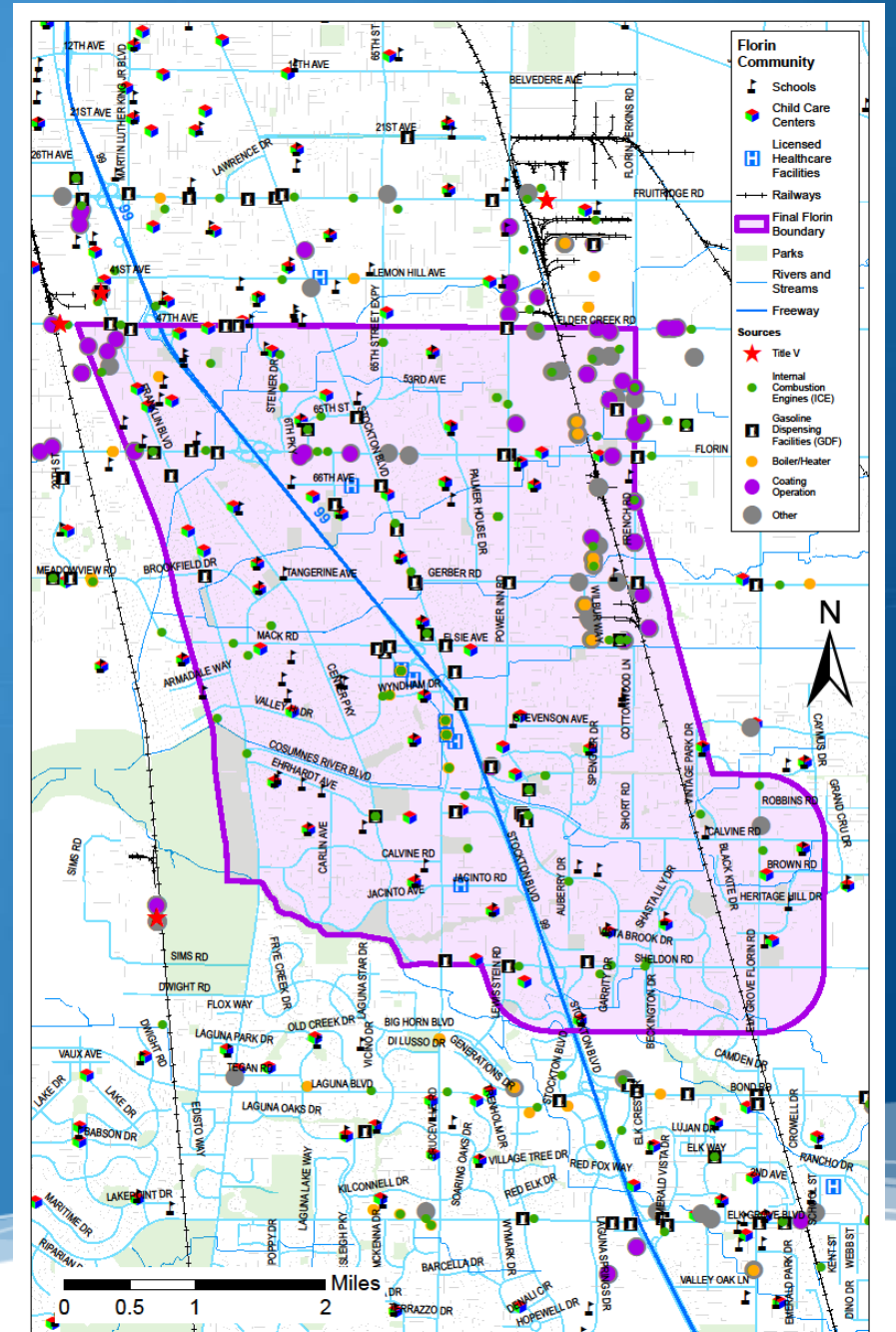
Community Expanded Initial Boundaries

South Sacramento – Florin Community



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

Works in Community	Lives in Community	Represents Community Organization
Bill Knowlton (chair)	Patricia E. Shelby (vice-chair)	Tido Thac Hoang
Jennifer Ablog	Bishop Chris Baker	Joelle Toney
	Shirley Banks	Denise R. McCoy
	Rhonda Henderson	
	Gary Johansen (lives & works)	
	Vincent J. Valdez	
Vacancy (any category)		

Community – What do they want?

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

Air Quality Index - Particulate Matter

301 – 500	Hazardous
201 – 300	Very Unhealthy
151 – 200	Unhealthy
101 – 150	Unhealthy for Sensitive Groups
51 – 100	Moderate
0 – 50	Good



Community – What do they want?

3. Determine the impacts at sensitive receptor locations and whether air pollution impacts change by season and locations for these sensitive locations
4. Determine which source categories the emissions are coming from and if the emissions from the sources pose a significant impact to nearby areas



Monitoring Strategy

Phase I
Fall 2019

Initial Screening
Deploy 22 sensors



Phase II
Winter 2019

Enhanced Screening
Deploy stand alone
monitors



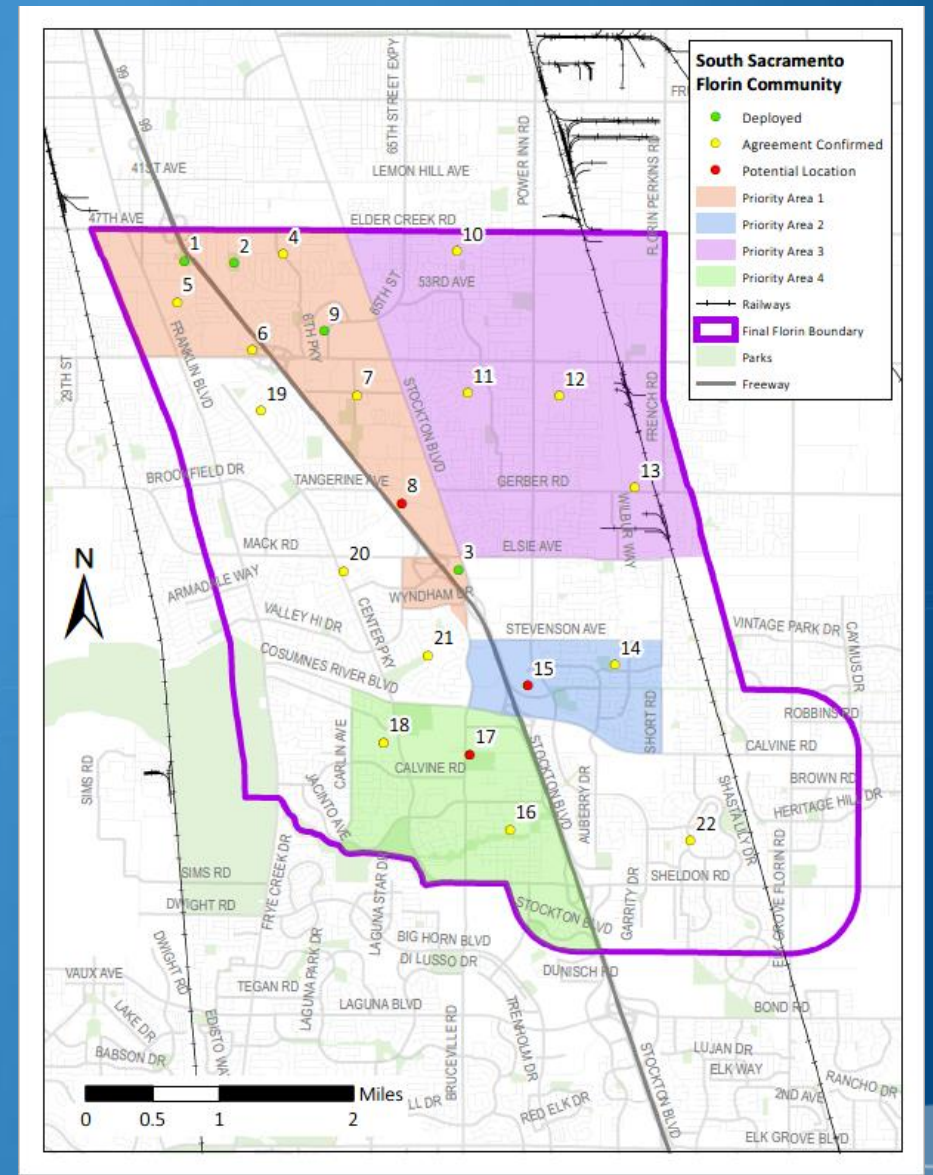
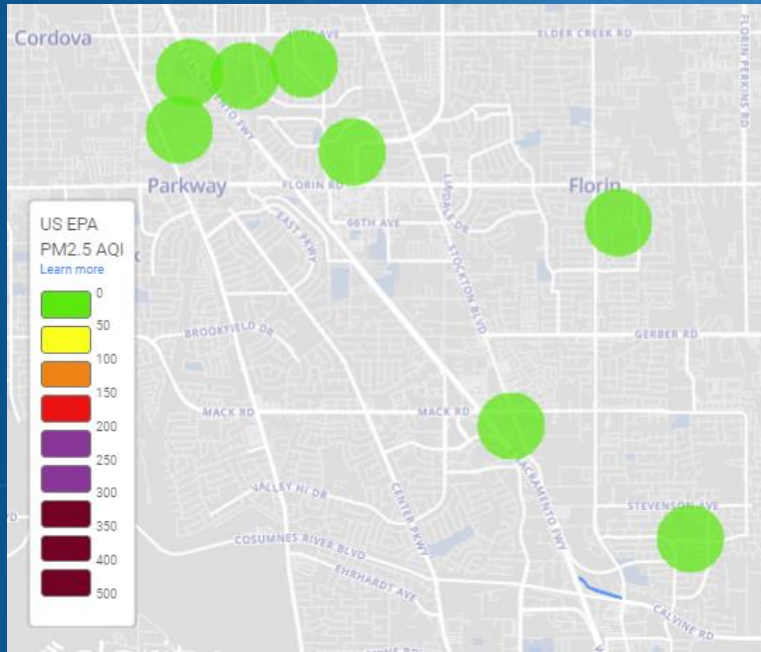
Phase III
Spring 2020

Professional Grade
Deploy 1 portable trailer



Community Monitoring

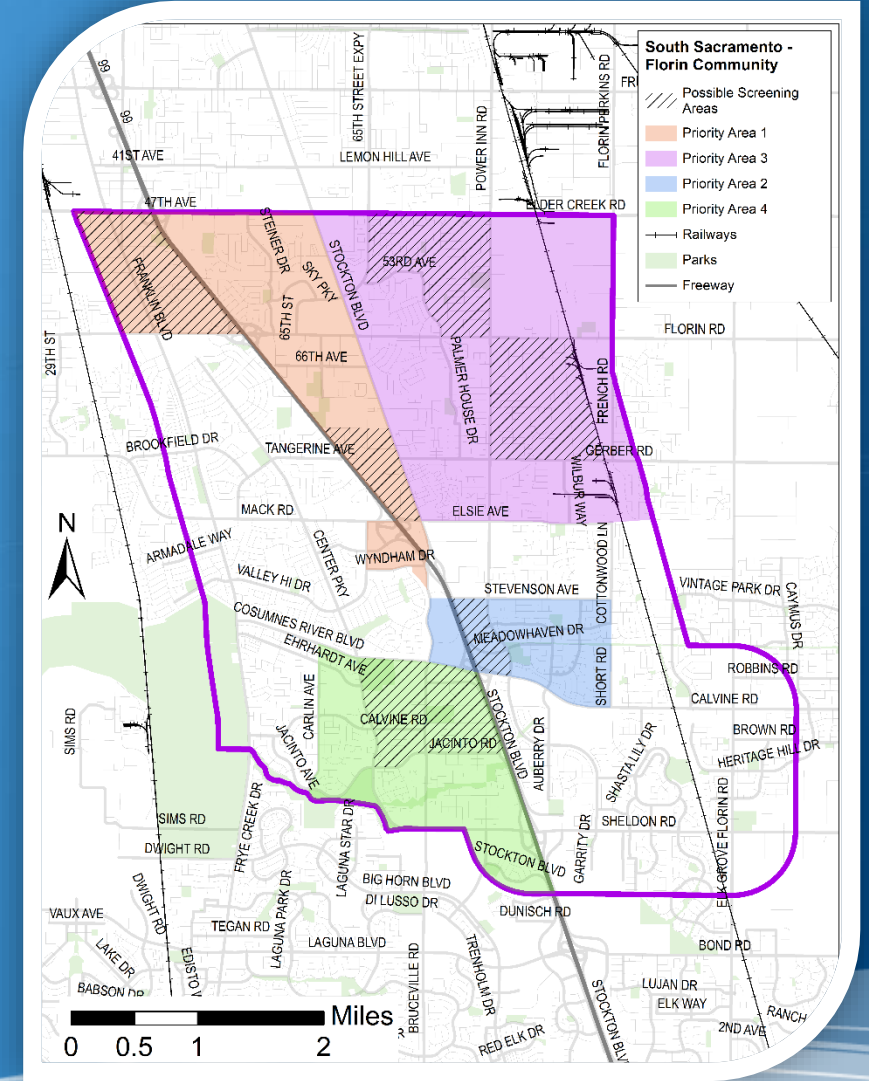
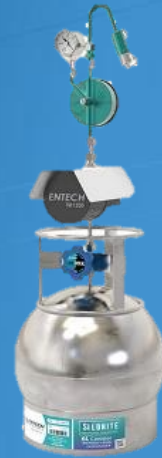
- All data placed on our website
- Currently in Phase I of deployment



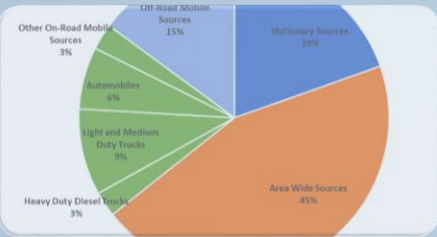
<http://www.airquality.org/Air-Quality-Health/Community-Air-Protection/Community-Air-Monitoring>

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



Development of a community-level emission inventory for South Sacramento – Florin community



Update penalty provisions to meet AB 617 mandates



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

Moving Forward

- 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:

Mark Loutzenhiser, Division Manager

Sac Metro Air District

mloutzenhiser@airquality.org

916-874-4872