

Permitted Facilities Map

Board of Directors
Santa Barbara County
Air Pollution Control District

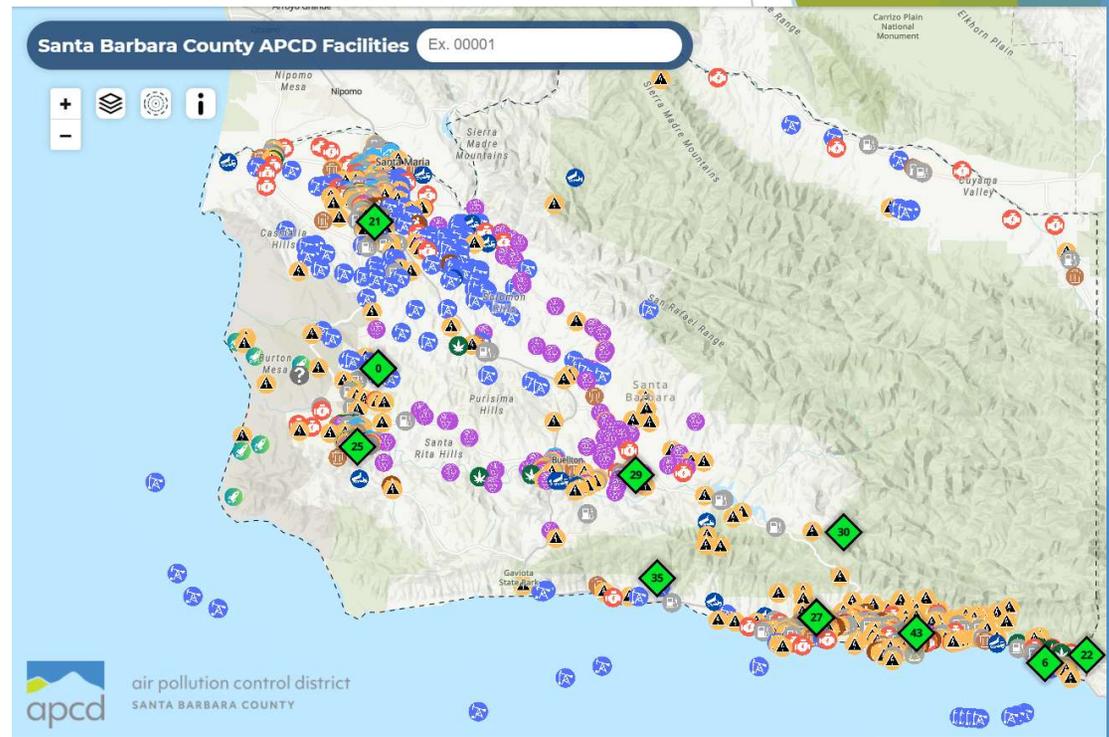
Our Mission: To protect the people and the environment of Santa Barbara County from the effects of air pollution.

Aeron Arlin Genet,
Executive Director / APCO

David Harris,
Manager, Engineering Division

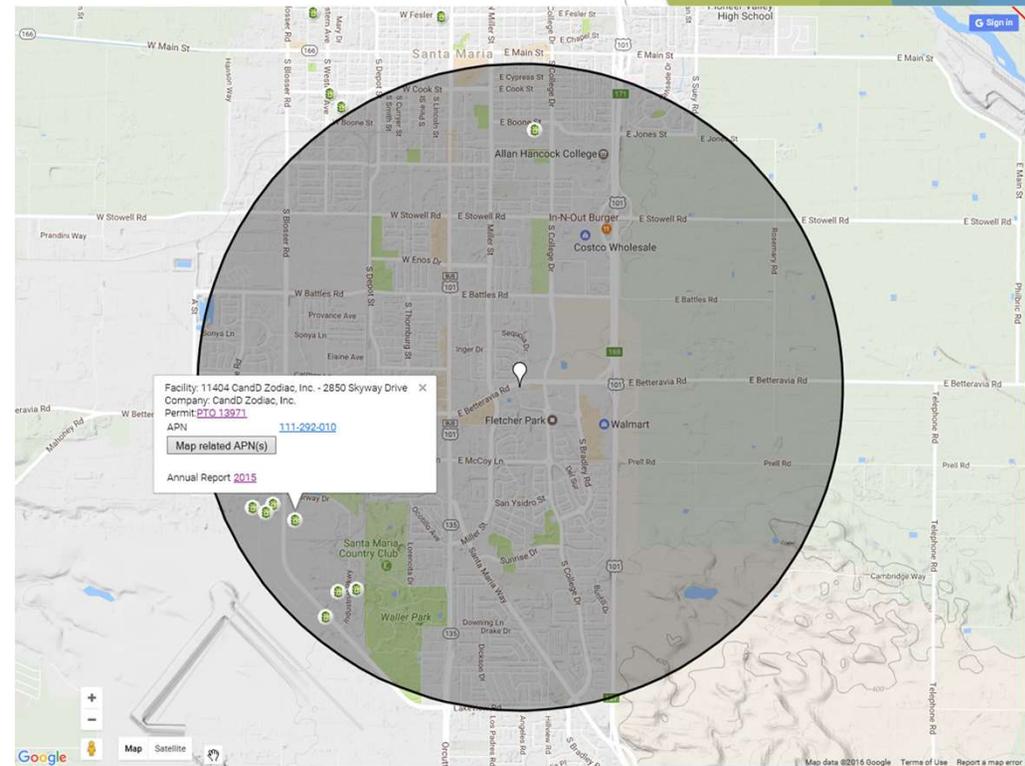
January 16, 2025

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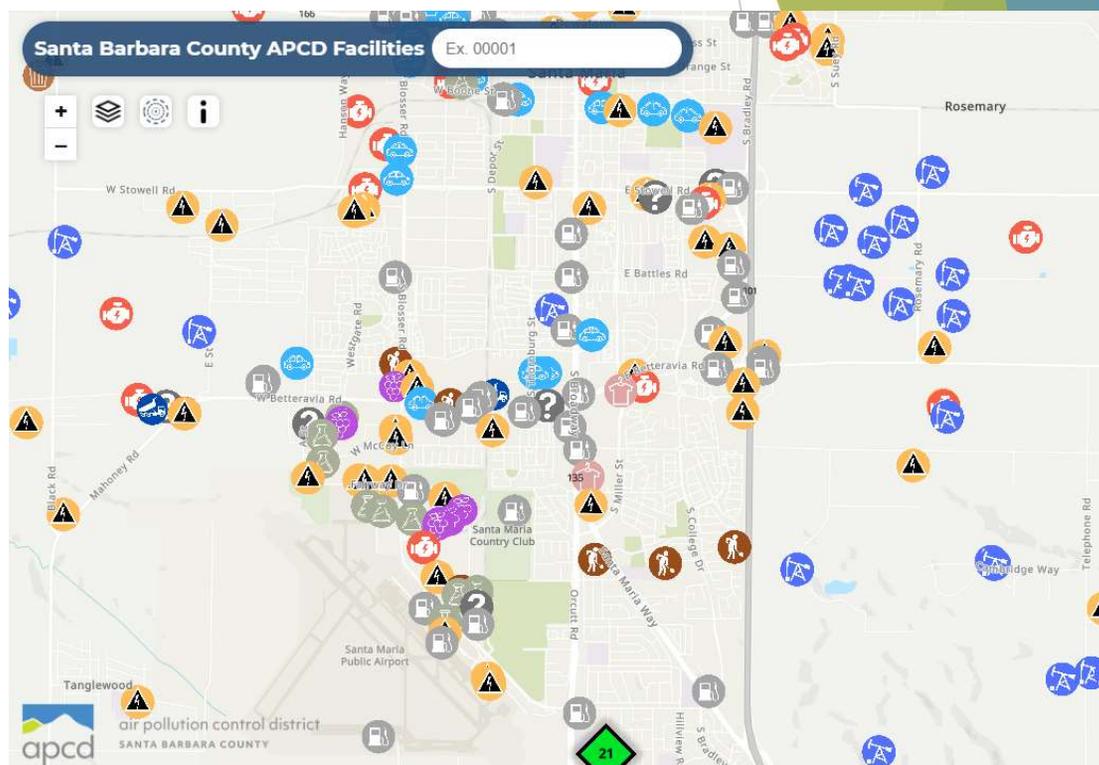
Original Permitted Facilities Map

- ▶ Launched in 2017
- ▶ Interactive Map of Permitted Facilities
- ▶ Designed and Built In-House
- ▶ Built on Google Maps Platform
- ▶ Limitations:
 - Outdated graphics
 - Non-permitted facilities visible
 - Limited search function
 - Limited document availability
 - Slow load times
 - 24 hours to refresh data



New Permitted Facilities Map Improvements

- ▶ Built on ESRI Platform
- ▶ Modern Graphics
- ▶ Improved Universal Search
- ▶ Reduced Load Times
- ▶ Real-Time Updates
- ▶ Expanded Facility Data & Document Availability
- ▶ Mobile Compatibility
- ▶ Added Monitoring Stations with AQI data



Facility Type Filter

- ▶ Select or unselect facility types to display

The screenshot displays the 'Santa Barbara County APCD Facilities' web application. At the top, there is a search bar containing 'Ex. 00001'. Below the search bar is a toolbar with icons for zooming (+/-), a home icon, a map icon, and an information icon. A large filter overlay is open on the left side of the map, listing various facility types with checkboxes. The 'Emergency Diesel Generators' checkbox is checked, while all other checkboxes are unchecked. The map in the background shows the Santa Barbara region with numerous orange triangular markers representing the selected facility type. The map includes labels for various geographical features such as 'Sierra Madre Mountains', 'Solomon Hills', 'Santa Barbara', and 'Cuyama Valley'. The APCD logo and name are visible in the bottom left corner of the map area.

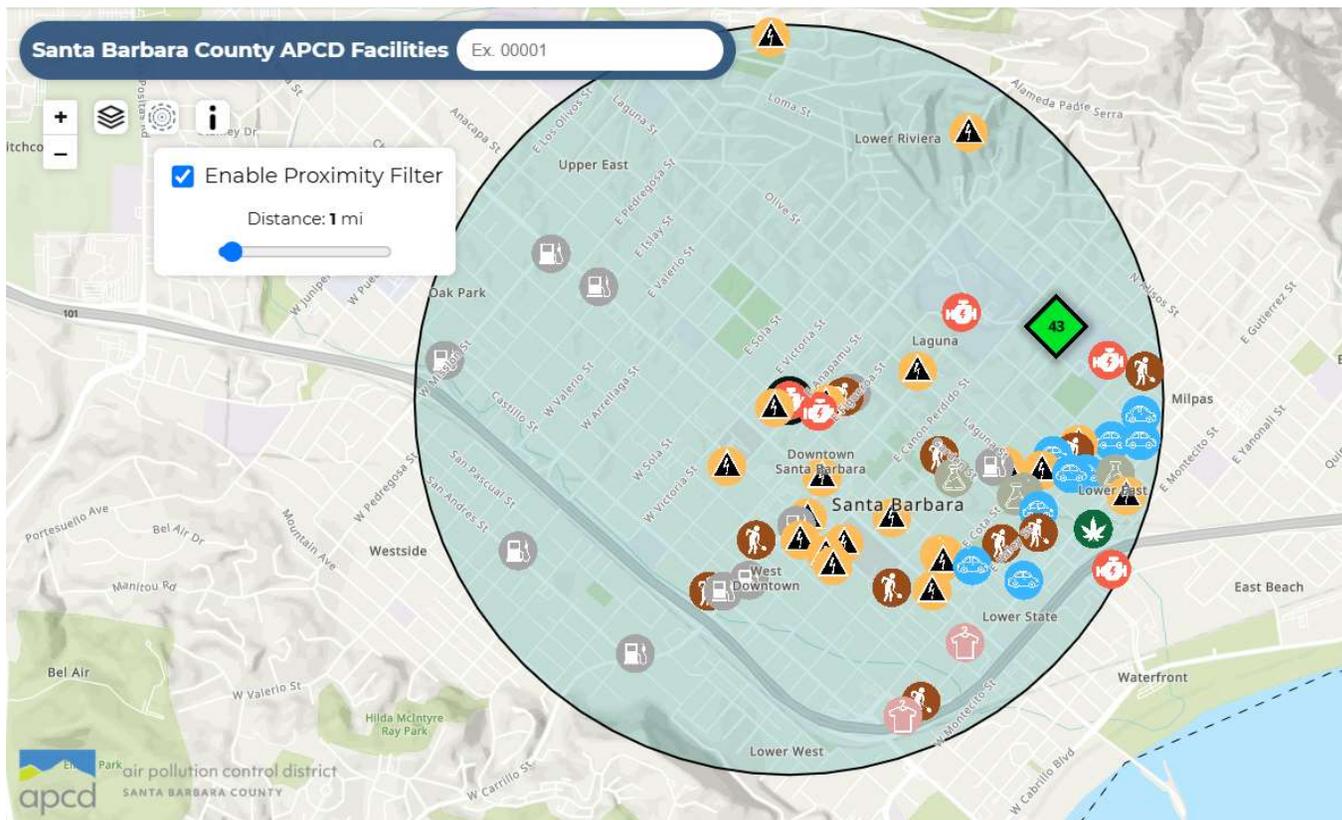
Santa Barbara County APCD Facilities Ex. 00001

- Select/Unselect All
- Aerospace
- Autobody Shops
- Boilers Heaters Turbines and Engines
- Cannabis
- Contaminated Soil Cleanup Sites
- Dry Cleaners
- Emergency Diesel Generators
- Gas Stations
- General Solvent Use Facilities
- Landfills and Waste Treatment Plants
- Minerals Handling Facilities
- Oil and Gas Production
- Wineries
- Uncategorized Facilities
- Air Monitoring Stations

apcd air pollution control district
SANTA BARBARA COUNTY

Proximity Filter

- ▶ Display all facilities within a specified distance



Facility Information

- ▶ Facility Name
- ▶ Facility ID Number
- ▶ Company Name
- ▶ Company History
- ▶ Facility Type
- ▶ Lat/Long Coordinates
- ▶ Street Address
- ▶ Four Digit SIC Code
- ▶ APN (if available)
- ▶ Source History
- ▶ Ten years of emissions inventory data (Criteria Pollutant and GHG)

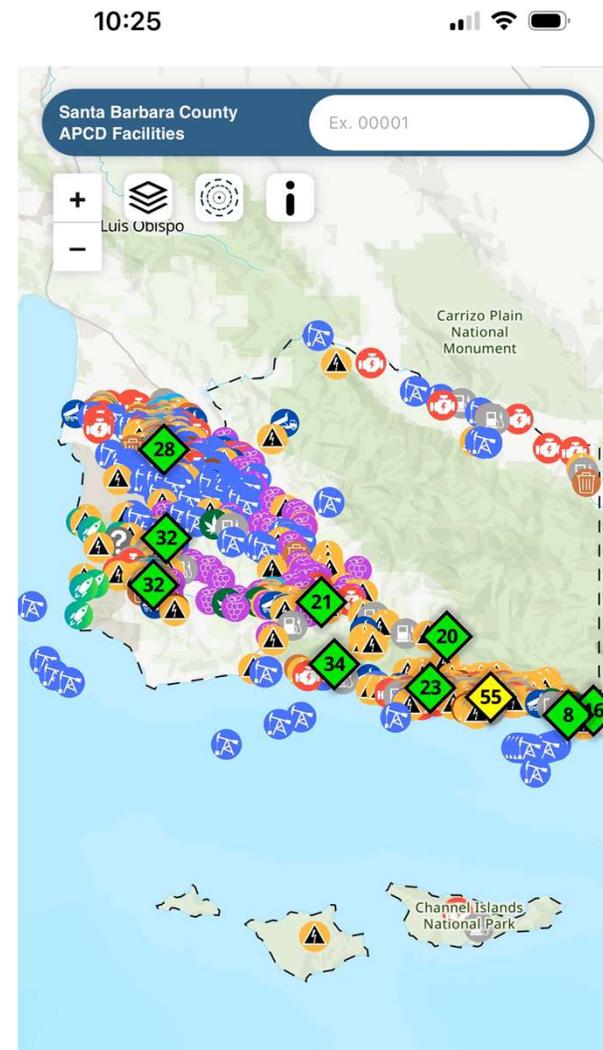
The screenshot displays the 'Santa Barbara County APCD Facilities' web interface. On the left, a map shows the University of California - Santa Barbara campus with two red circular markers indicating facility locations. The right side of the interface features a data table for the selected facility, UCSB.

Facility Name	UCSB
Facility Number	02795
Company Name	University of California - Santa Barbara
Facility Type	Boilers Heaters Turbines and Engines
Coordinates	34.413393°N, -119.847139°W
Address	UCSB, Santa Barbara, CA 93106
Four Digit SIC	8221

Emissions						
Inventory Year	Reactive Organic Gases (tons)	Nitrogen Oxides (tons)	Sulfur Oxides (tons)	Carbon Monoxide (tons)	Particulate Matter (tons)	Greenhouse Gases (MTCO ₂ e)
2023	2.387	16.342	0.222	96.148	2.990	Unavailable
2022	1.707	12.844	0.150	62.289	2.042	Unavailable
2021	1.676	12.881	0.158	64.684	2.128	16,710

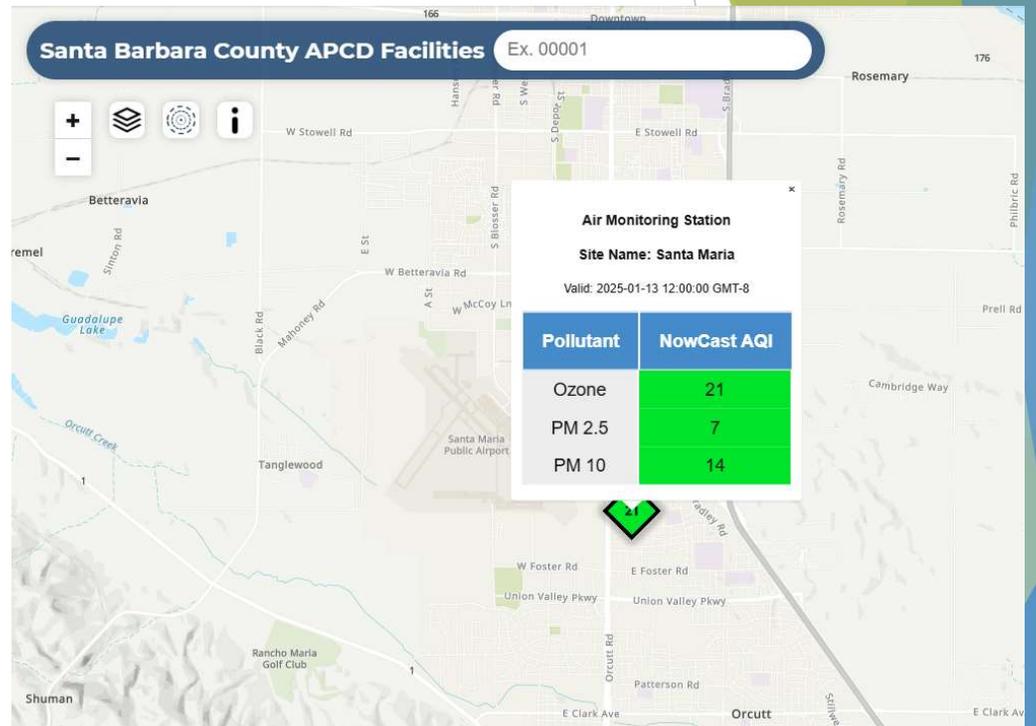
Mobile Compatibility

- ▶ Compatible on all mobile devices
- ▶ Graphics optimized for device resolution
- ▶ Pinch to zoom
- ▶ Documents open in browser



Monitoring Stations

- ▶ Site Name
- ▶ Site Location
- ▶ Observation Time
- ▶ NowCast AQI Values
- ▶ Icon and Data Color Coded to Current AQI



Public Records Act (PRA) Requests

- ▶ Most common PRA request is for documents related to permitted facilities
- ▶ Map designed to be responsive to PRA requests
- ▶ Training frequent requesters to use map for self service document retrieval
- ▶ Hoping to see a decrease in PRA requests following map roll-out



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Staff Benefits

- ▶ Locate facilities for inspections, modeling
- ▶ Locate nearby facilities for complaint response
- ▶ Direct interested parties to map
- ▶ Quickly obtain permits and compliance documents
- ▶ Quickly find inventory data

Map Development

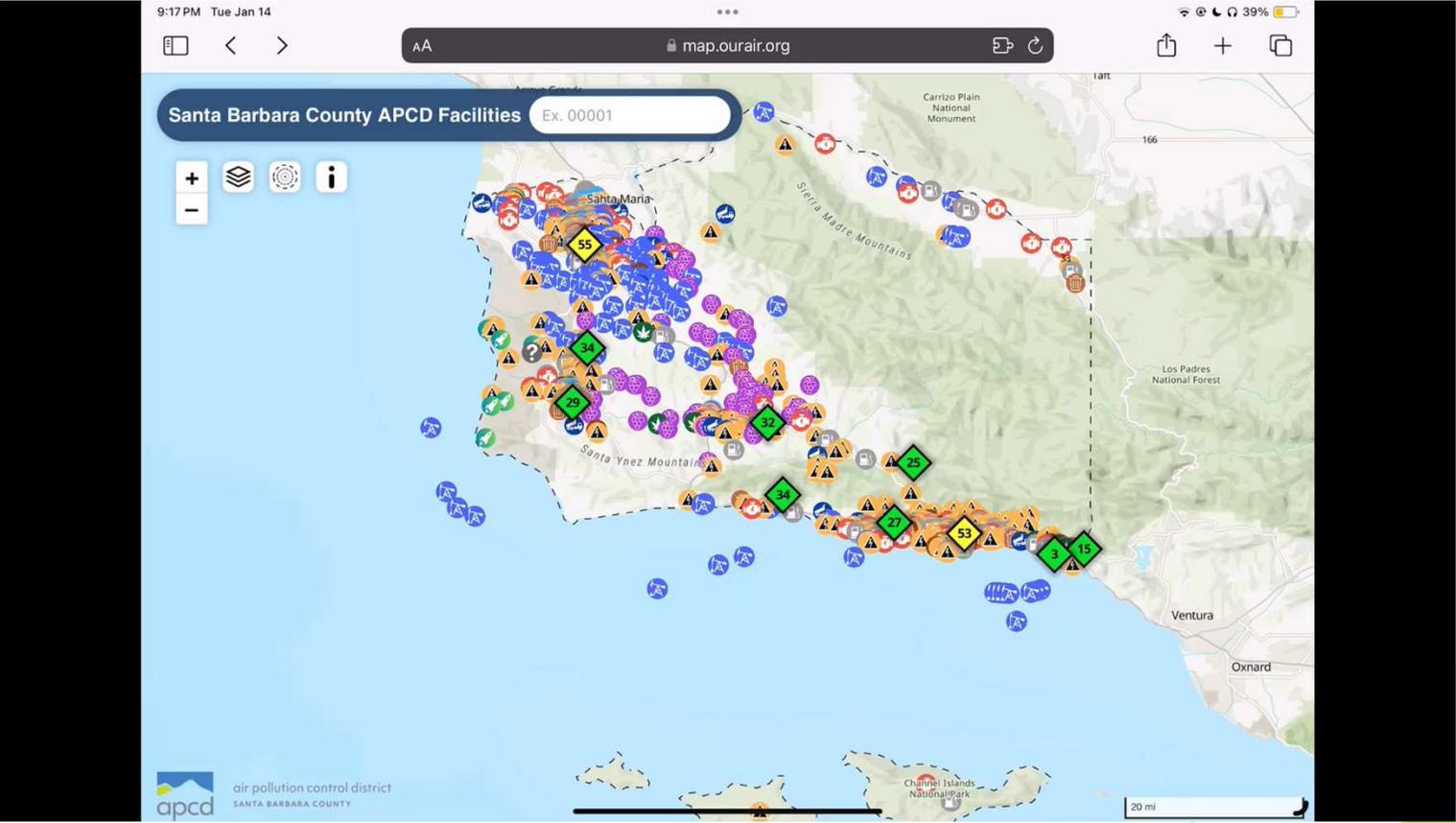
- ▶ Partnership with Monarch Weather
- ▶ Integrated with our permit, compliance & inventory databases
- ▶ Designed for future upgrades
- ▶ 10 Months from signed contract to soft launch



Outreach on the Revamped Map

- ▶ Later this month:
 - News Release to local media, listserv subscribers, and other stakeholders
 - Social media posts
 - Feature prominently on homepage
- ▶ Will continue to promote the map after initial launch

Demo Video



Conclusions

- ▶ Improve Transparency
- ▶ Focused on improvements to:
 - Visual design
 - Search functionality
 - Data & document availability
 - Mobile compatibility
 - Load times
- ▶ Stakeholder and staff benefits
- ▶ Designed with future upgrades in mind

Link: map.ourair.org

QR:



Contact: **David Harris**
Engineering Manager
(805) 979-8311
DIH@sbcapcd.org

Questions?



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