

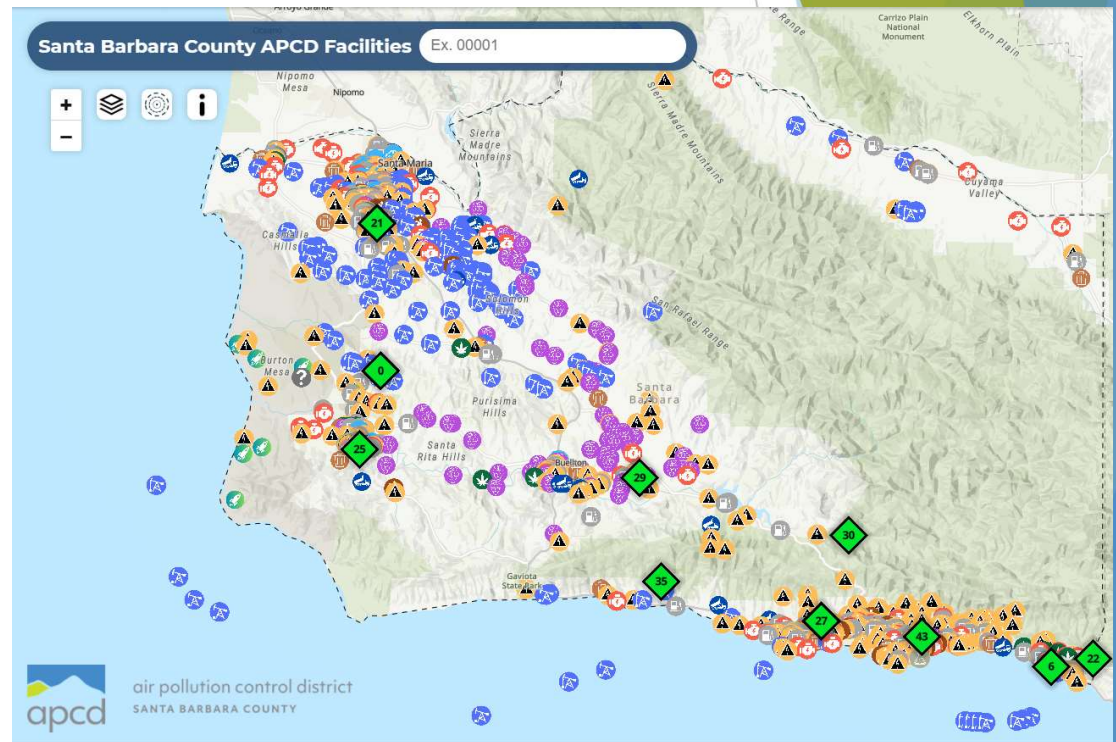
Permitted Facilities Map

South Central Coast Basinwide Air Pollution Control Council

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

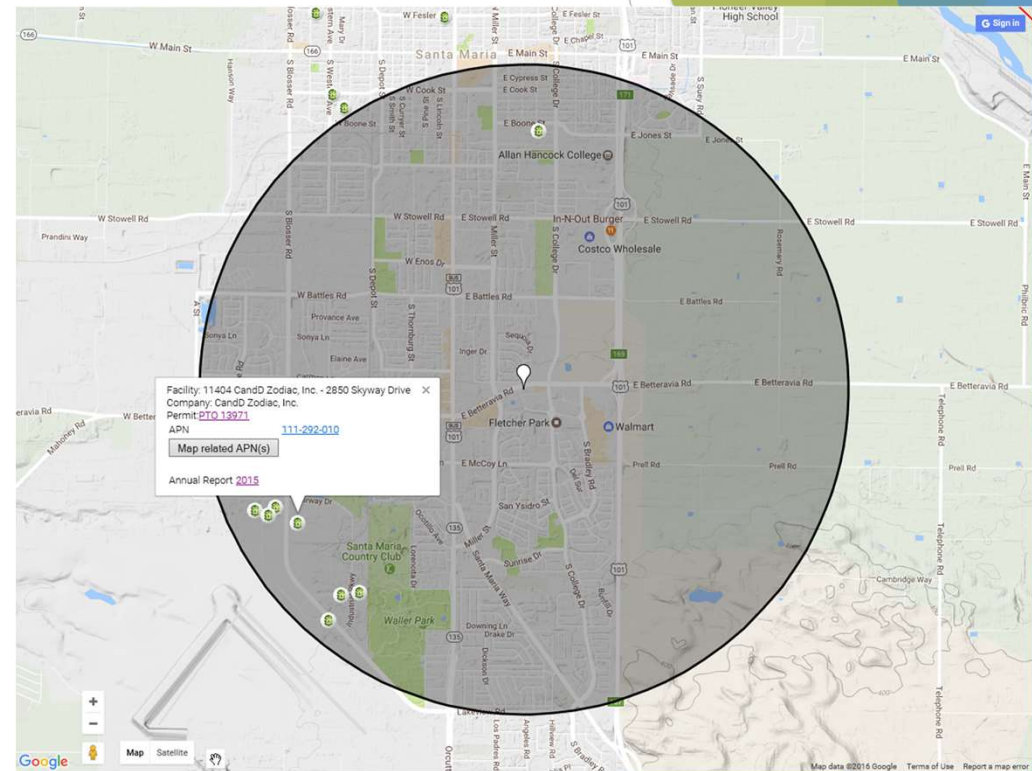
July 24, 2025



@OurAirSBC  

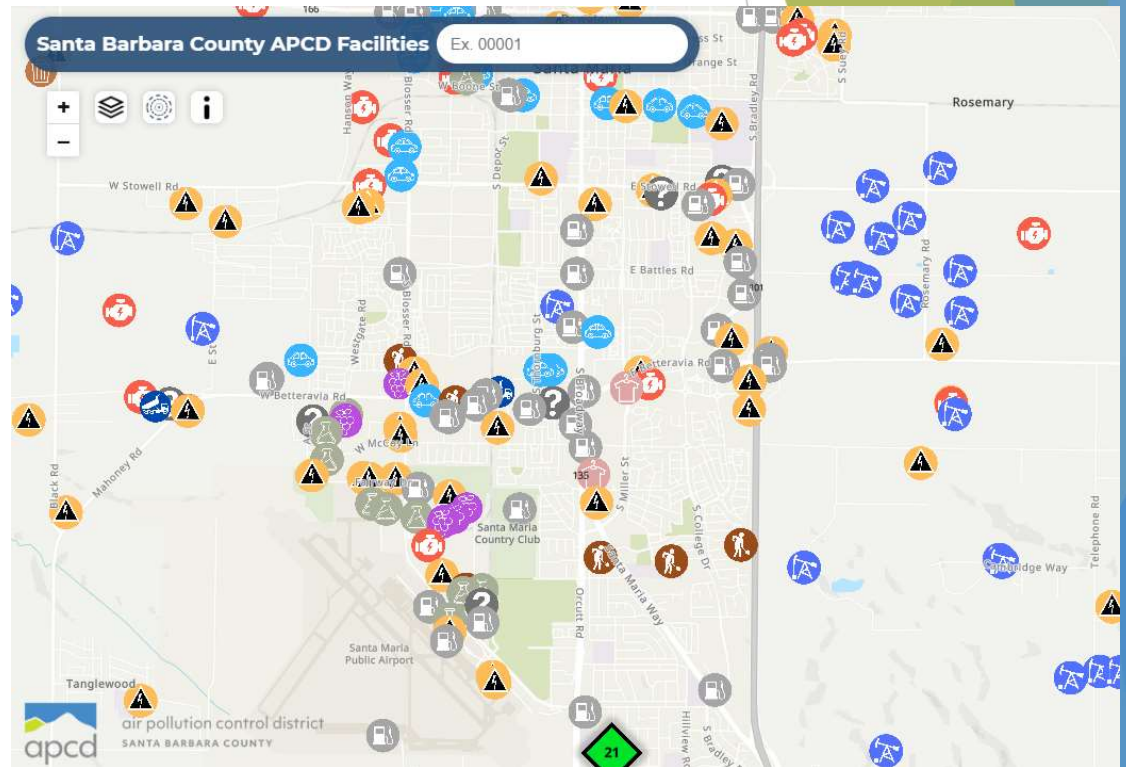
Original Permitted Facilities Map

- ▶ 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 - Outdated graphics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



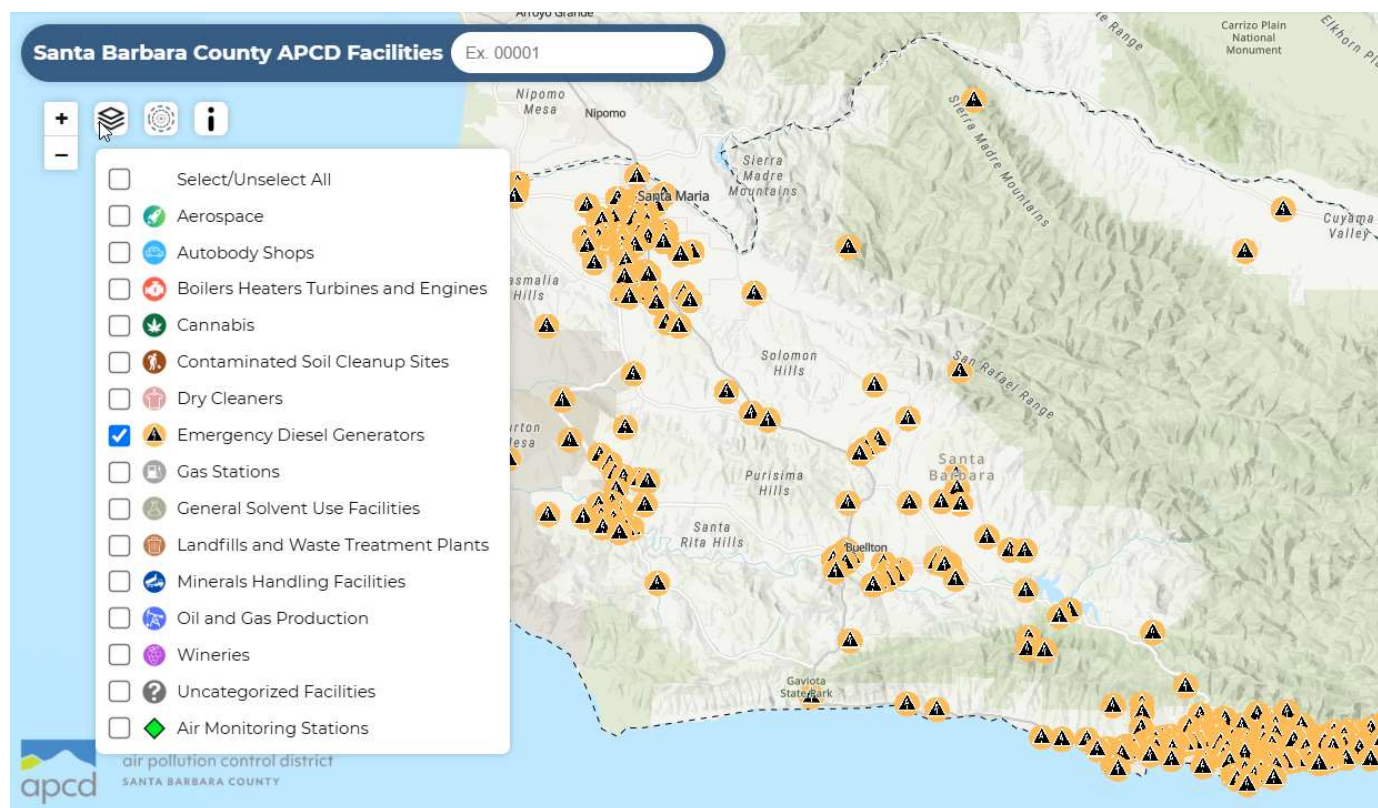
New Permitted Facilities Map Improvements

- ▶ 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



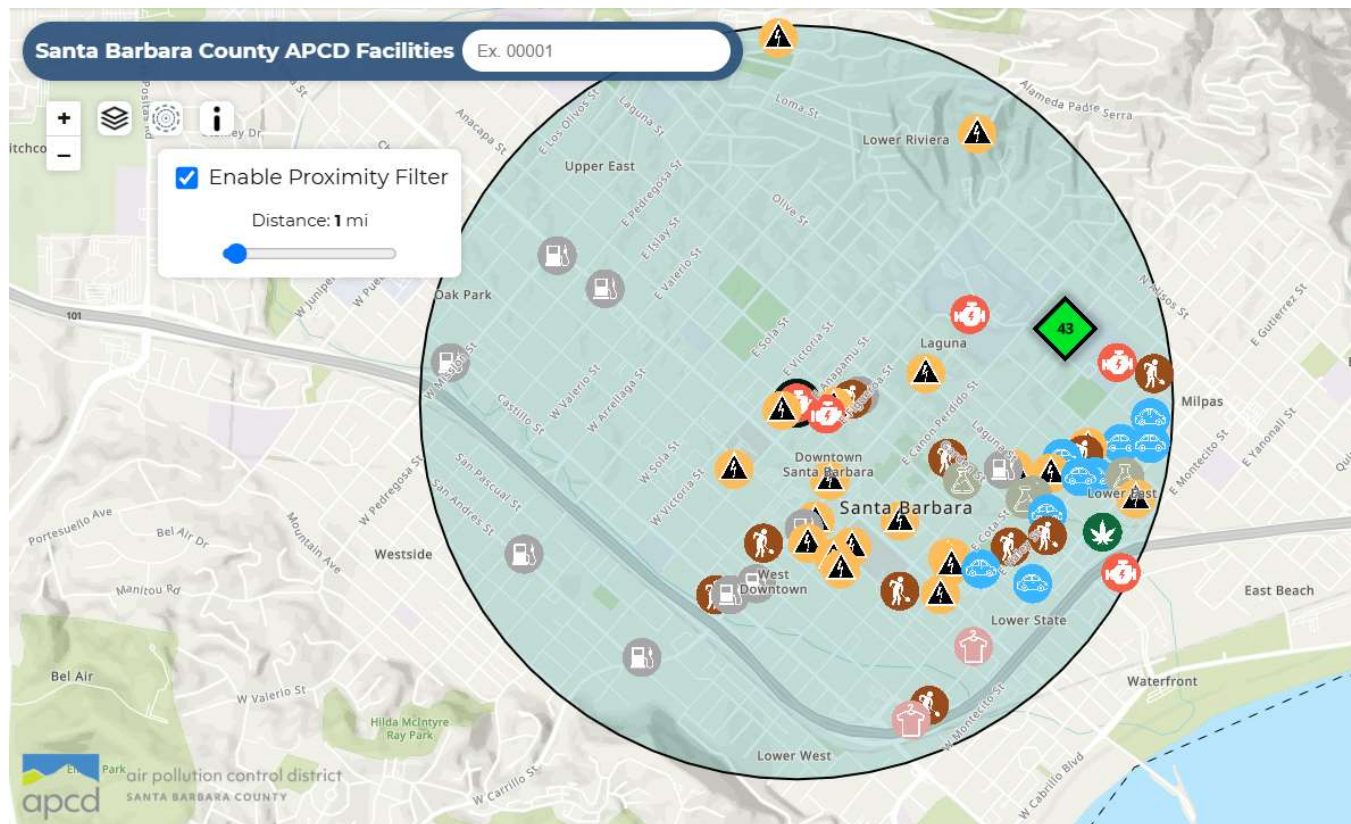
Facility Type Filter

- ▶ Select or unselect facility types to display



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)

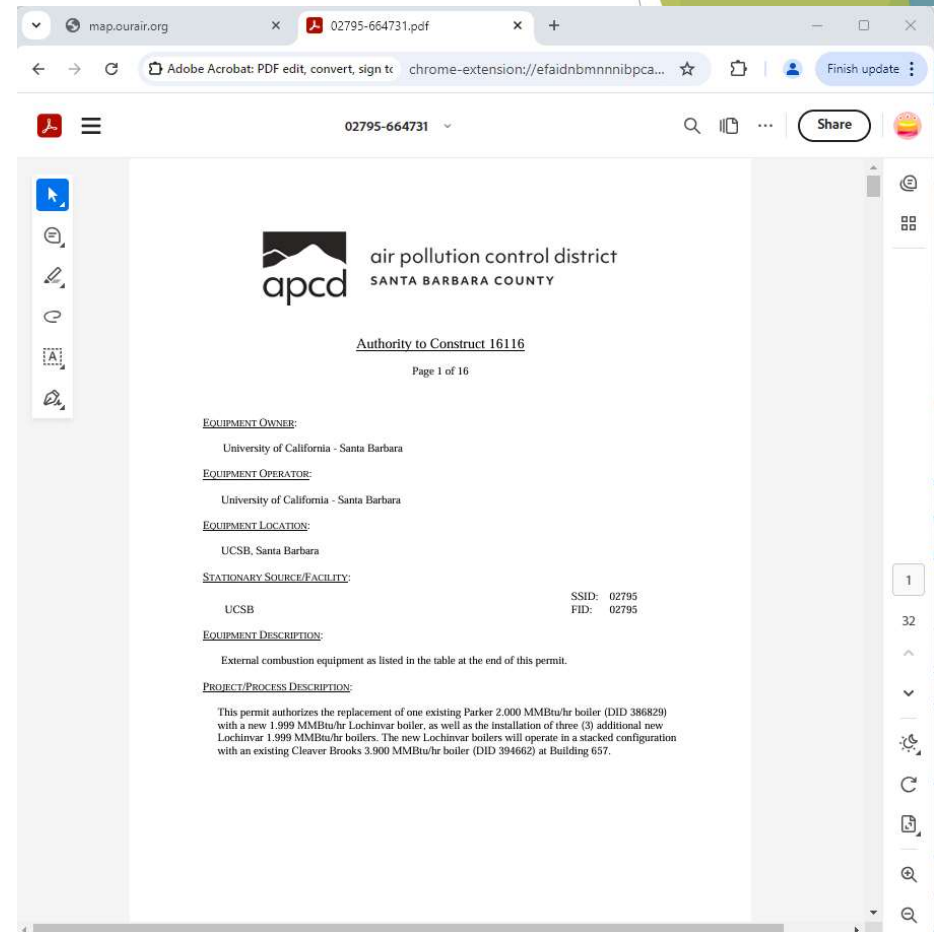
The screenshot displays the 'Santa Barbara County APCD Facilities' web application. On the left is a map of Santa Barbara County with a red pin marking the location of the University of California - Santa Barbara (UCSB). The map includes labels for various landmarks like Isla Vista, Greek Park, and the Campus Lagoon. On the right, a data panel provides detailed information for the selected facility, UCSB.

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

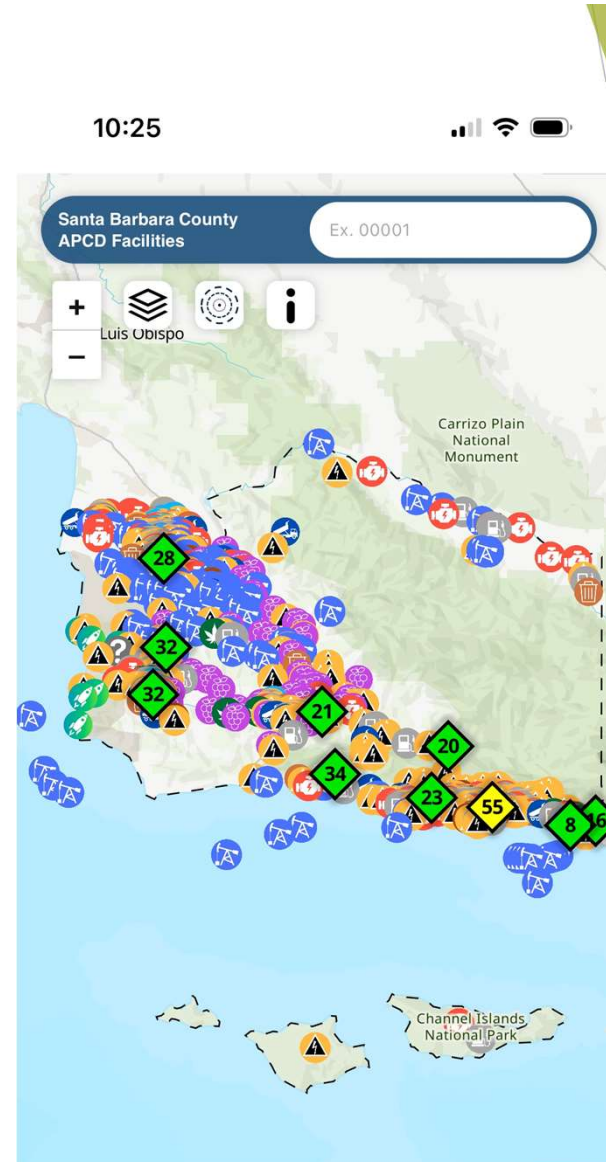
Document Availability

- ▶ All Active Permits and Associated Applications
- ▶ 10 years of Annual Reports
- ▶ 10 years of Inspection Reports
- ▶ 10 years of Notices of Violation
- ▶ All Documents open as PDFs in separate tab



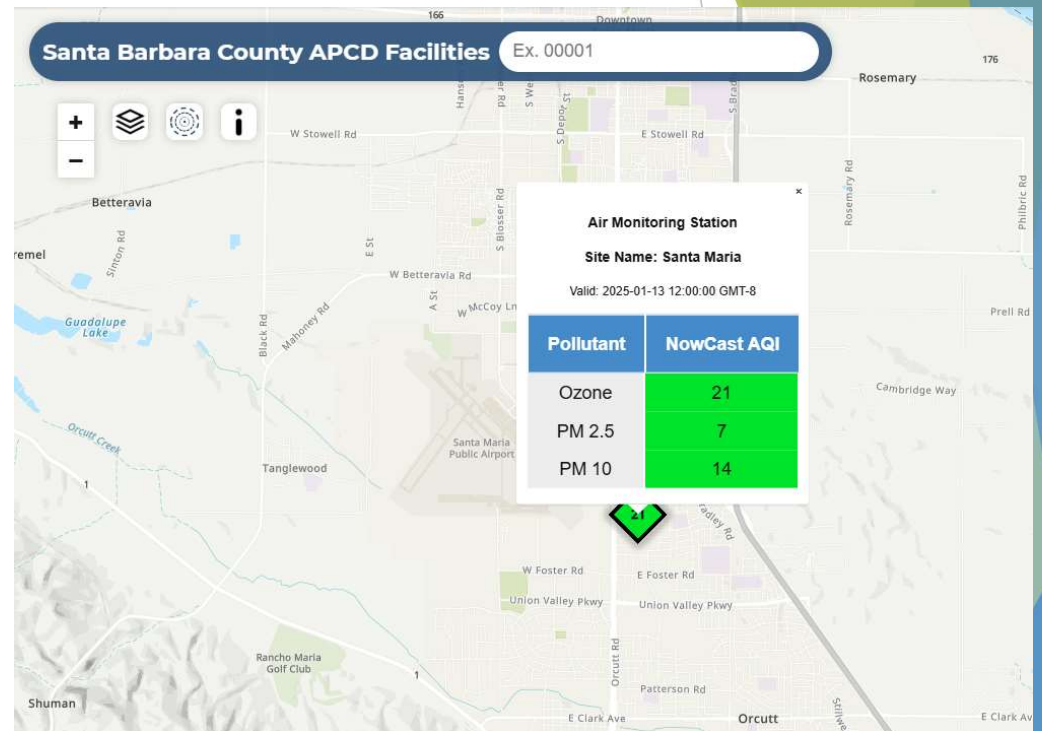
Mobile Compatibility

- ▶ 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



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

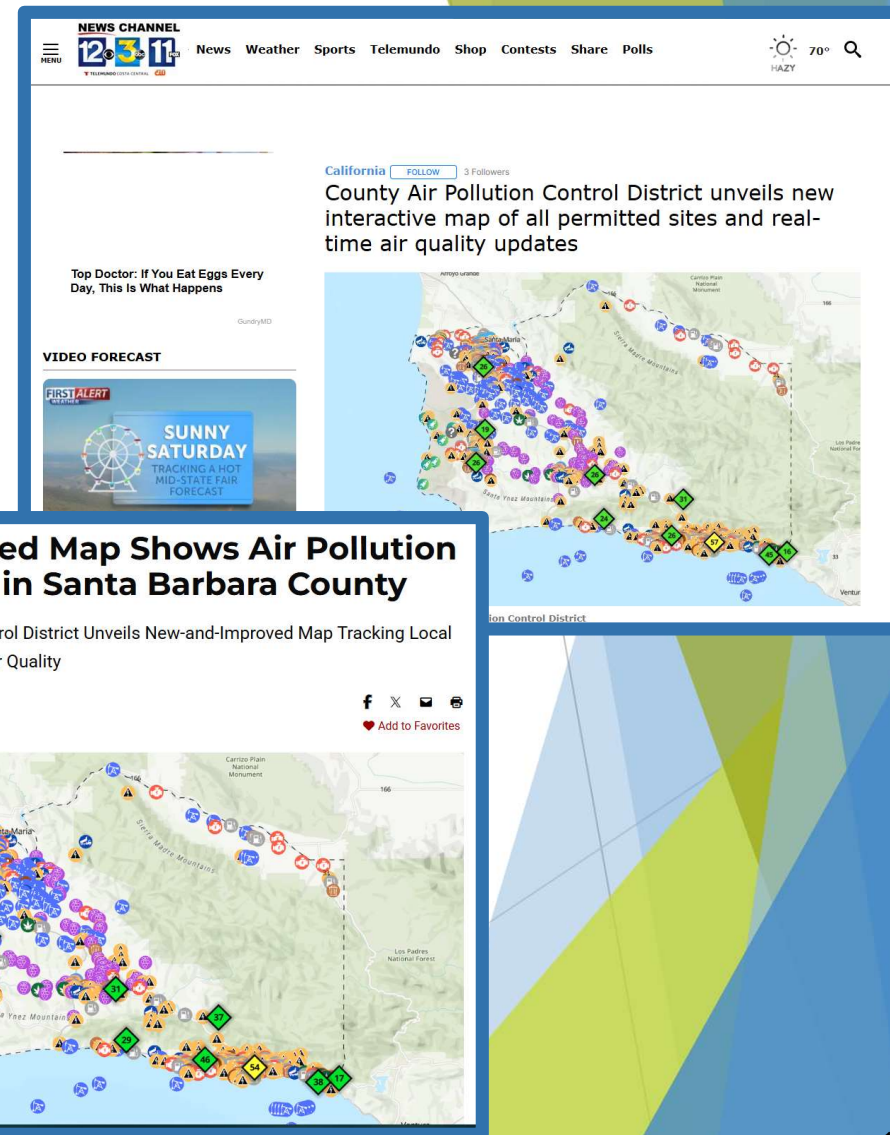
Map Development

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



Outreach

- ▶ News Release issued in June:
<https://www.ourair.org/062525-news/>
- ▶ Instructional Video on using the map:
<https://www.youtube.com/watch?v=sNkGUnFlwSw>



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