

Community Air Protection Program  
Chico Community Meeting  
April 3, 2023

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- About the Air District
- Community Air Protection Program
- Implementing AB617 & CAP in Butte County
- Community Air Protection Incentives
- Community Input on Funding Priorities



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**Agenda**

## Open Burn Program

- Residential Burning
- Agricultural Burning
- Prescribed Burning

## Permitting & Inspections

- Stationary Sources
- Portable Equipment

## Enforcement & Complaint Response

## Grants and Incentives

- Carl Moyer Program
- FARMER Program
- Woodstove Replacement
- Community Air Protection Incentives

## Air Quality Monitoring

- Daily AQI Forecasting
- Special Purpose Monitoring
- Check Before You Light
- Public Outreach

## Air Quality Planning

- CEQA Review
- Attainment Plans

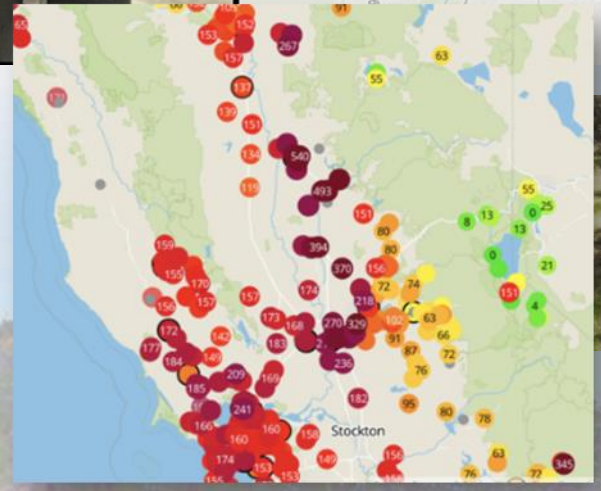
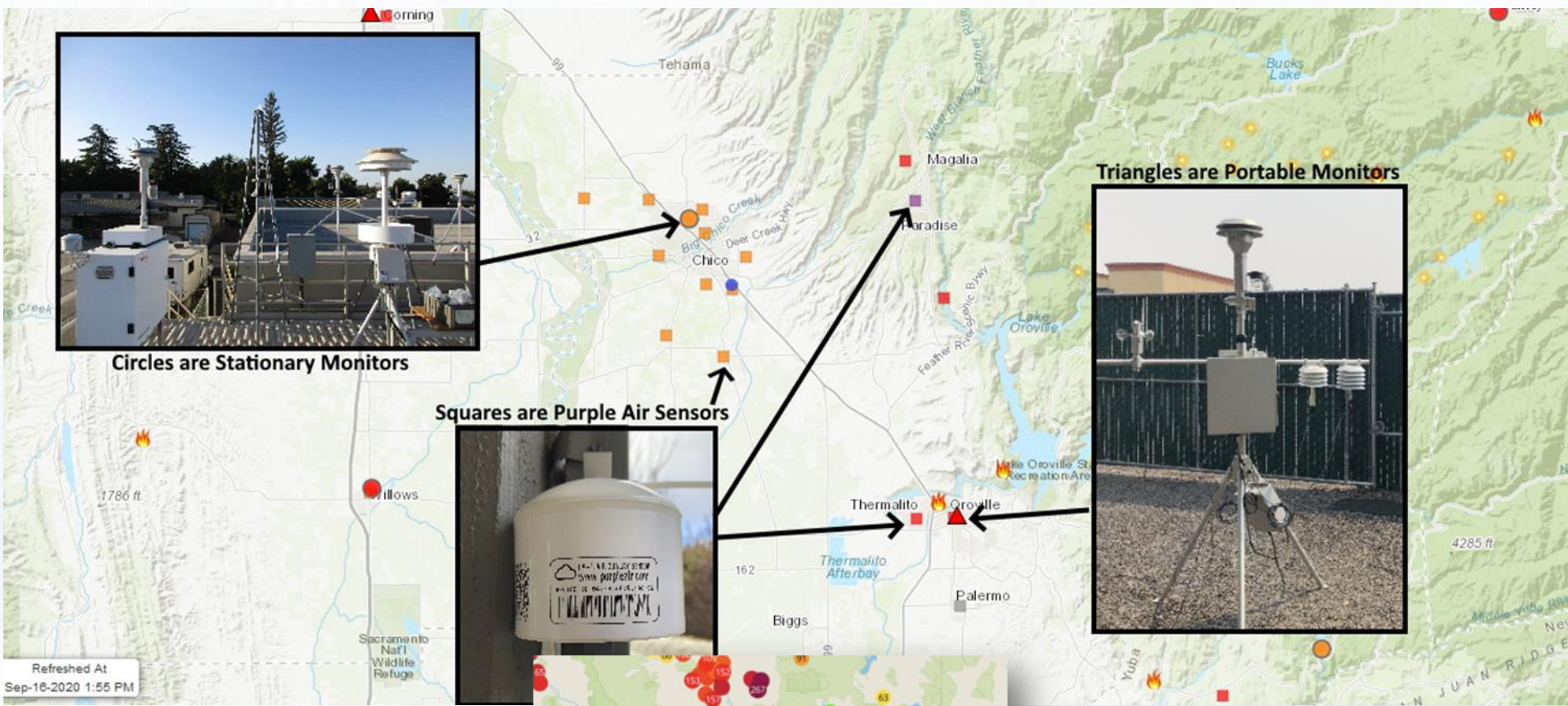
## Boards

- Governing Board
- Hearing Board



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**About the Air District**



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# Air Quality in Butte County



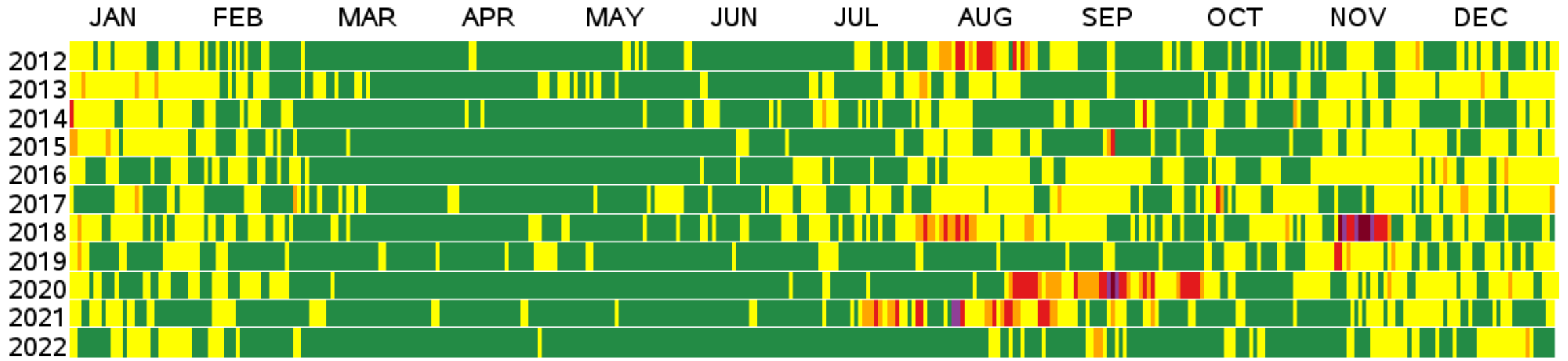
### Top 5 for Fine Particulates (PM2.5):

1. Wildfires
2. Residential Woodstoves and Fireplaces
3. Managed Open Burning
4. Farm Operations
5. Food & Agriculture Processing



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**Fine Particulates**

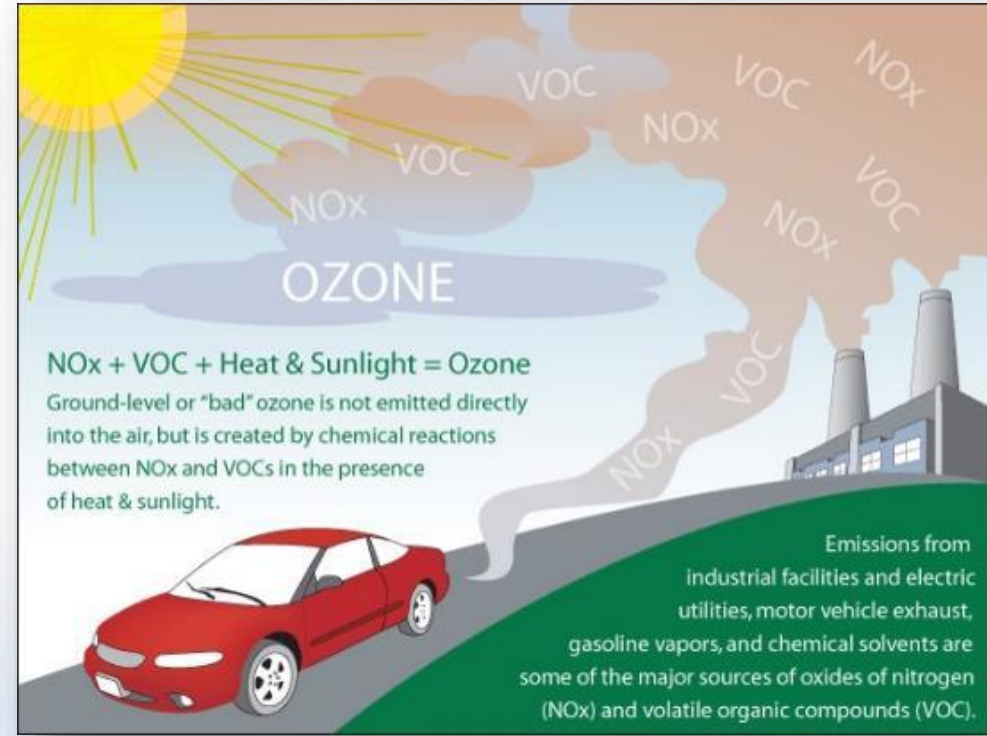


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**Fine Particulates (cont.)**

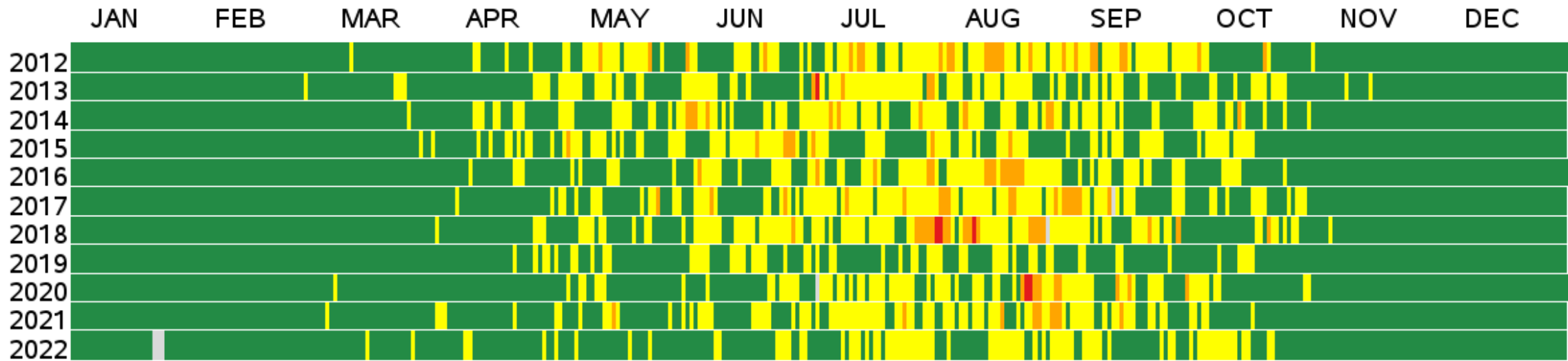
## Top 5 for Oxides of Nitrogen (help form Ozone/Smog):

1. Off-Road Vehicles and Engines
2. Heavy Duty Trucks & Buses
3. Natural Gas Combustion (Commercial, Industrial, Agricultural, Residential)
4. Cars / Passenger Trucks / Motorcycles
5. Trains

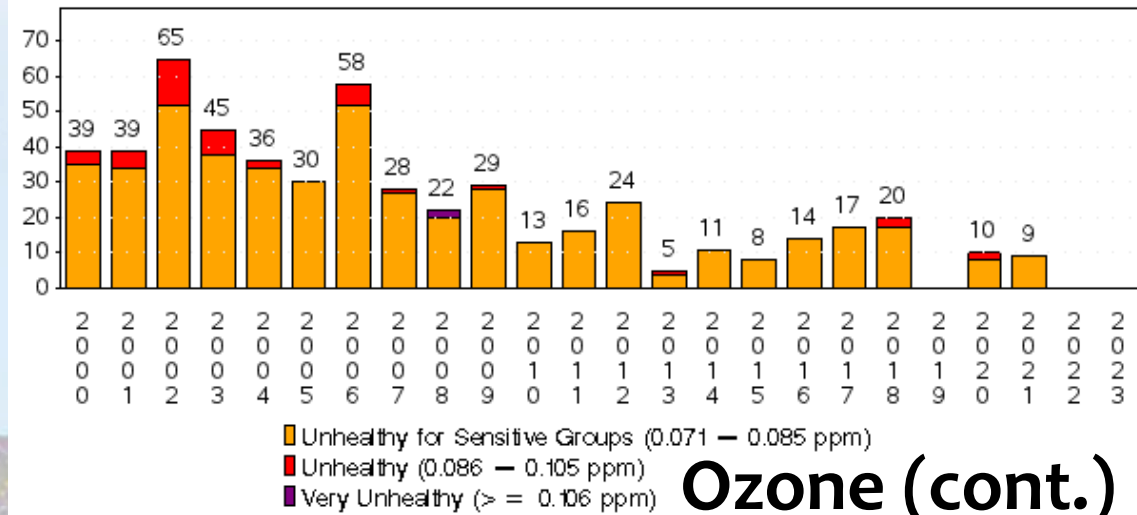


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**Ozone**



Number of Days 8-hr Ozone Daily Max > 0.070 ppm  
2000-2023  
in Butte County, CA



**Ozone (cont.)**

Note: Based on ALL sites  
Source: U.S. EPA AirData <<https://www.epa.gov/air-data>>  
Generated: March 14, 2023



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# CLEAN AIR CENTER



**AB836 - Clean Air Shelters**



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## Carl Moyer Program

The Carl Moyer Program is a voluntary grant program that reduces air pollution from vehicles and equipment by providing incentive funds to private companies and public agencies to purchase **cleaner-than-required** engines, equipment, and emission reduction technologies.

**FY2022-23 Project Funds: \$175,000**

**Stay Tuned! \$263,375 for Commercial Lawn & Garden**



## Funding Agricultural Reduction Measures for Emission Reductions (FARMER) Program

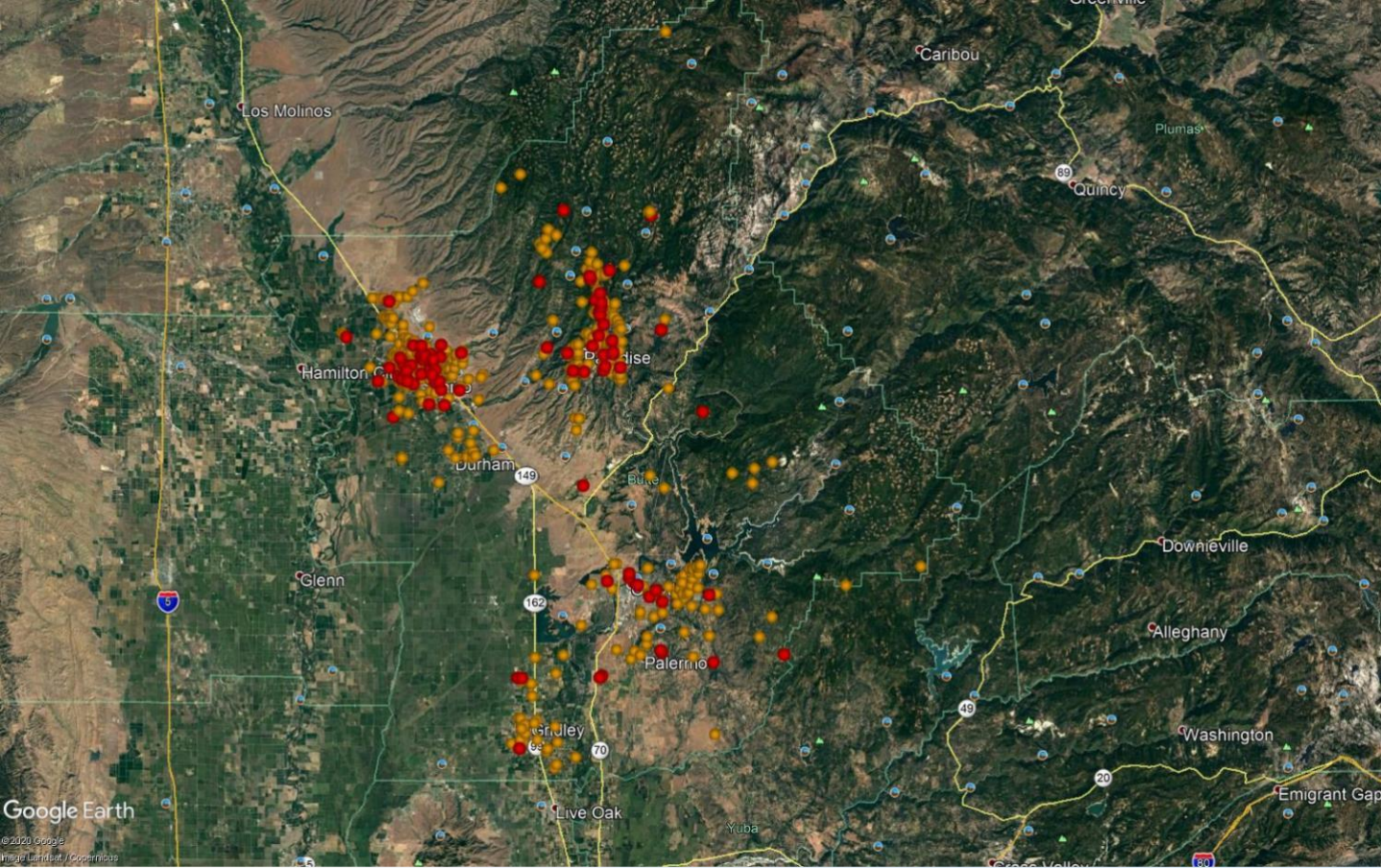
Reduce agricultural sector emissions by providing for agricultural harvesting equipment, heavy-duty trucks, agricultural pump engines, tractors, and other equipment used in agricultural operations.

**FY2022-23 Project Funds: \$1,224,475**

**Incentive Programs**



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# Woodsmoke Reduction Program

In 2017, legislation was passed introducing the Community Air Protection Program.

AB 617 directs the California Air Resources Board, with assistance from Air Districts **and with community involvement**, to build a framework to improve air quality and reduce exposure to air pollutants in the most impacted communities.

- Enhanced monitoring & emission reductions in select communities;
- Retrofit and reporting requirements for large facilities;
- Community Assistance Grants;
- **CAP Implementation (Outreach and Monitoring);**
- **CAP Incentives**




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**AB 617: Community Air Protection (CAP) Program**

Learn how Butte County Air Quality Management District, along with residents and businesses, is improving air quality for you and your community.

# Every Breath We Take



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**Implementing AB617**

<https://www.bcrd.org>

**Butte County Resource Conservation District**  
June 7 at 9:07 AM · 🌱

Thank you, [Butte County Air Quality Management District](#) for awarding us a \$15,000 Community Air Protection grant to support the Butte Prescribed Burn Association! This funding award recognizes that a little fire (and smoke) now can prevent a lot of fire (and really bad smoke) later. Your investment will help Butte County landowners become experts in minimizing harmful smoke to our communities while they're caring for their land with good fire. We'll use this money to purchase weather stations landowners can borrow to monitor conditions in their micro-climate before a burn; produce classes and webinars about what makes good Rx fire weather; and create burn planning workshops so landowners can learn how to minimize smoke during a burn. To learn more about the Butte Prescribed Burn Association and help your neighbors put good fire on the ground, check us out here: <https://www.bcrd.org/prescribed-burn-association> #ButtePBA #prescribedfire #prescribedburn #GoodFire #calpba



BCRCD.ORG

**Prescribed Burn Association**

"Neighbors helping neighbors put good fire on the ground"

<https://buttefiresafe.net>



Community Air Protection Education

<https://www.becnet.org/cape>

### No-Cost Chipper Service For Fire Hazard Reduction

- Go to [ButteFireSafe.net](#) to request Chipper Program service.
- The Chipper Program operates from the end of fire season, in November, through May 15.
- Stack rows for the Chipper Program:
- 1. Stack brush and limbs in a row within five feet of the road edge. Stack with the ends facing toward the road or driveway.
  - 2. Stacks should be no more than four feet high.
  - 3. Stacks should be no more than 10 feet long.
  - 4. Please note that the chipped material will be broadcast in the area, not hauled away.
  - 5. The Chipper Program does not provide chipping for orchard material or timber harvest material.
  - 6. Limbs up to eight inches and not more than 10 feet in length may be chipped.
- Cut ends must face the same direction, pointing toward the driveway or road that the chipper will use to access the piles.



[www.ButteFireSafe.net](http://www.ButteFireSafe.net)

<https://chico.ca.us/weather-air-quality>

CITY OF CHICO

I Want To Business City Services Government Community Contact Us Work For Us

### Weather & Air Quality

On July 27, 2021, the City of Chico installed a Purple Air monitoring station and RainWise weather station that report real-time weather data from the downtown area.

The stations are installed on top of the Fred Davis Municipal Center (City Hall) and allow continuous monitoring of weather conditions during the fire season. This data helps residents make the best health choices when air pollution levels are at unsafe levels. This project was funded by the Butte County Air Quality Management District (BCAQMD) Community Air Protection (CAP) Support Grant.

Where is this home vulnerable to ember attack?



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Community Air Protection Support Grants

The Community Air Protection Incentives are part of California Climate Investments, a statewide program that puts billions of Cap-and-Trade dollars to work reducing GHG emissions, strengthening the economy, and improving public health and the environment – particularly in disadvantaged communities and low-income communities.



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**Community Air Protection  
Incentive Funds**



**Selected projects include:**

- Electric school bus replacement projects (Thermalito EUSD, Chico USD)
- Electric charging infrastructure (Palermo USD, Thermalito EUSD)
- Air filtration upgrades (Thermalio USD, Chico USD)
- Composite wood product replacement projects (Chico USD)
- Diesel school bus replacement projects (Thermalito EUSD, Glenn County Office of Education)

**Community Air Protection Incentive Funds**

ection





Category	Project Type	Community Air Protection		
		District Funding Cap	Maximum Eligible Grant	
On-Road	Zero-Emission Replacements or Conversions	School Buses	None	100%
		Transit Buses	None	95%/90%/60%*
		HHD Vehicles	None	95%/90%/60%*
		MHD Vehicles	None	95%/90%/60%*
		LHD Vehicles	None	95%/90%/60%*
	Conventional Diesel or Alternative Fuel Replacements	School Buses	None	\$165,000
		Transit Buses	None	\$25,000
		HHD Vehicles	None	\$60,000
		MHD Vehicles	None	\$40,000
		LHD Vehicles	None	\$30,000
	Emergency Vehicles	None	80%	
Off-Road	Repower (conventional or zero-emission)	None	95%	
	Mobile Equipment Replacement (conventional or zero-emission)	None	90%	
	Portable Equipment Replacement (conventional or zero-emission)	None	90%	
Infrastructure	Any Infrastructure Project	None	60%	
	Projects with solar/wind power systems	None	75%	
	Any Infrastructure Project Located at a Sensitive Receptor	None	100%	
	Publicly Accessible Projects	None	70%	
	Publicly accessible projects with solar/wind power systems	None	85%	
	Public School Bus Battery Charging and Alternative Fueling	None	100%	



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## Eligible CAP Incentive Projects

- Air filtration projects at schools:
  - New filters with a MERV of 14 or greater (& associated HVAC upgrades)
  - New filters with higher MERV rating than existing (up to max that HVAC can handle)
  - Standalone (portable) filter units with a MERV of 14 or greater;
- Zero-emission lawn and garden equipment at schools:
  - Chainsaws/polesaws, edgers, trimmers, blowers/vacuums;
  - Walk-behind mowers;
  - Ride-on or stand-on mowers under 25hp;
- Composite wood products at schools:
  - Tables, Desks, Countertops, Chairs, Cabinets;
  - Replace with no-added formaldehyde / ultra-low formaldehyde products



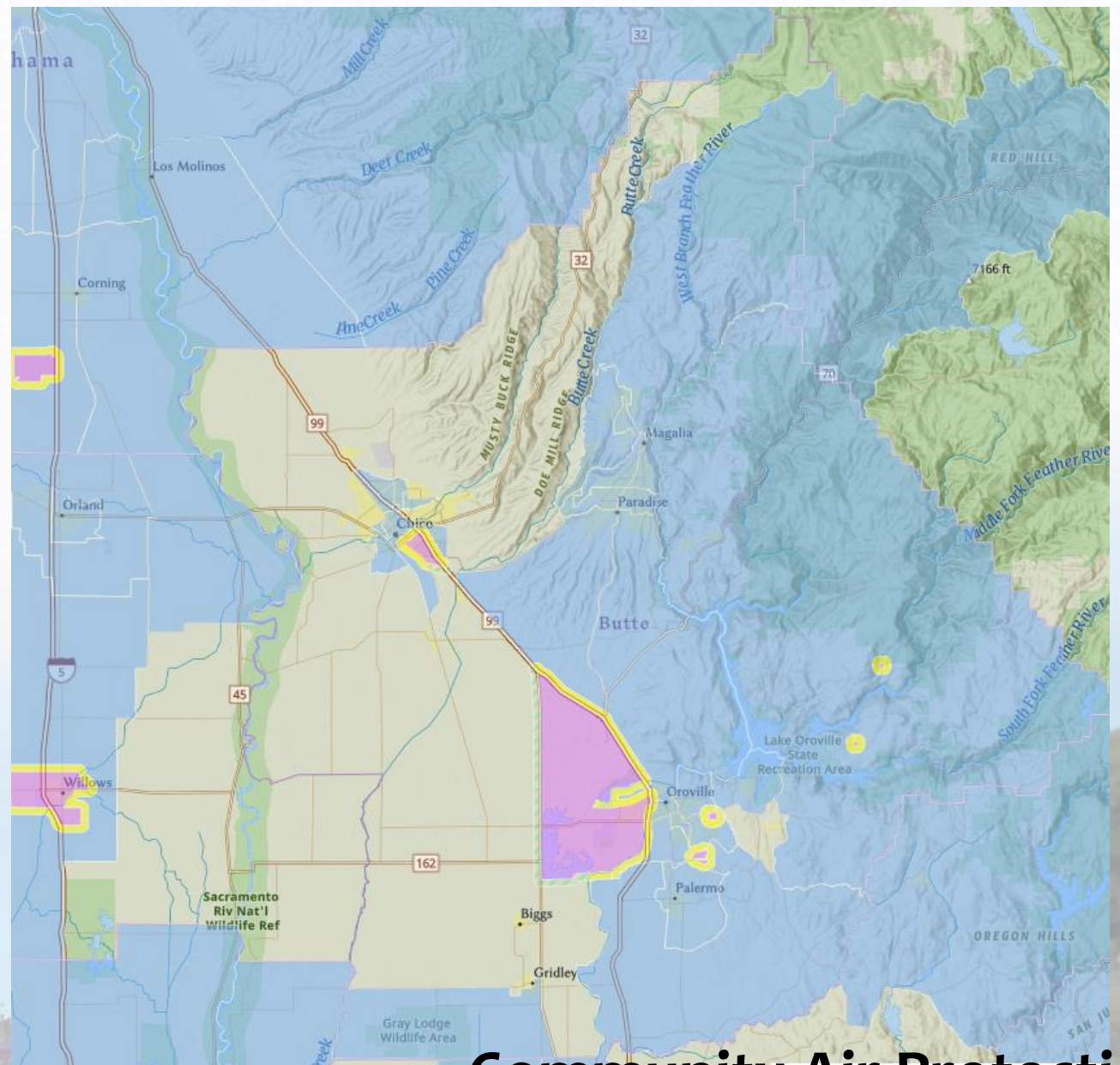
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**Additional CAP Incentive  
Project Types for Schools**

FY2022-23 Funds: \$992,368.82 available for CAP Incentive projects.

70% of funds must benefit an SB 535 Disadvantaged Community (pink shaded areas).

80% of funds must benefit an AB 1550 Low-Income Community (blue shaded areas).



**Community Air Protection  
Incentive Funds**



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- March 2023 – Hold community meetings
  - April 2023 – Accept project proposals
  - May 2023 – Project selection
  - June / July 2023 – Draft grant contracts
  - June 2027 – All FY2022-23 projects completed
- 
- Also in 2023 – Expand program for new categories based on community input.



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## **Community Air Protection Incentives Schedule**

## What we're thinking about:

- Woodstove Replacement Projects
- Additional Lawn & Garden Projects (residential?)
- Alternatives to Open Burning



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**Future CAP Incentive  
Project Types?**

- What are your air quality concerns?
- Can CAP Incentives or CAP Support Grant projects help?
- Interest in other project types in the future?
- Questions and ideas can be forwarded to Jason Mandly – 530-332-9400 x108 or [jmandly@bcaqmd.org](mailto:jmandly@bcaqmd.org).



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**Future CAP Incentive  
Project Types?**

# Thank You!

Butte County Air Quality Management District

[www.bcaqmd.org](http://www.bcaqmd.org) or [www.butteairquality.com](http://www.butteairquality.com)

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530-332-9400



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