

**Northern Sonoma County
Air Pollution Control District**

**AB 617 Community Air Protection Program
Implementation Grant Report**

Grant # G20-CAPP-22

Fiscal Grant Term: June 1, 2021 to June 30, 22

**Submitted to the California Air Resources Board on:
October 10, 2022**

1. Contact Information

California Air Resources Board Project Liaison:

Andrea Juarez
California Air Resources Board
Office of Community Air Protection
1001 I Street.
Sacramento, CA 95814
E-Mail: Andrea.Juarez@arb.ca.gov

District Grant Liaison:

Robert Bamford
Northern Sonoma County Air Pollution Control District
150 Matheson Street
Healdsburg, CA 95448
Phone: 707-433-5911
E-Mail: Robert.Bamford@sonoma-county.org

2. Anticipated Timeline

Work Task	Completed
District Resolution	6/6/2018
Advance Disbursement Request, G20-CAPP-22	9/2/2022
Grant funds received.	10/6/2022
Ordered (56) air sensors for community projects.	10/5/2022
Air sensors in route with estimated delivery 10/11/2022.	
Liquidation of all G20-CAPP-22 funds estimated by November 1, 2022.	
Develop simple user agreement and distribute sensors, estimated to begin in November 1, 2022.	

3. Summary of Anticipated Tasks

The following summary describes the Northern Sonoma County Air Pollution Control District's ("District" or "NSCAPCD") Community Air Protection implementation campaign for Grant Numbers G20-CAPP-22. The District was not selected by CARB for a

community project, but it elected to devote its Community Air Protection Program (CAPP) funds to a campaign that incorporates CAPP categories.

For its Year 4 CAPP implementation project, the District has elected to perform a community air monitoring project with Purple Air PM-2.5 sensors. The more frequent recurrence of catastrophic wildfires and extreme smoke events has become an increasing health concern in rural communities. These rural communities are sparsely distributed across large regions with limited AQI and air quality data coverage. This project will add (68) low-cost community sensors to help fill-in air quality information gaps.

Distribution of sensors will prioritize sensitive receptors such as children, seniors, and outdoor workers in public and congregate settings. A simple use agreement will be required to assure the naming convention of the sensors, the applications to be used with the sensors, proper siting and maintenance, district recall of sensors if necessary, and basic District indemnification.

The program will be launched through the District web site, mailing lists, and social media accounts. Program input was provided by the Sonoma County Department of Emergency Management, Sonoma County Health Department, Communities Organized to Prepare for Emergencies (COPE), the District web site and Board meetings, and other community feedback.

4. Grant Funds

For this project, the total project cost of **\$14,271.02** to purchase (56) PM-2.5 sensors exceeded the total CAPP grant funding of **\$14,169.00**. The District used **\$102.02** of its own funds to co-fund the difference to complete the project. In addition, the District added (12) additional sensors to bring the total number of sensors for distribution for community monitoring up to (68) sensors.

All CAPP funds for G20 will be liquidated November 2022; prior to the June 30, 2023 deadline.

5. Itemized Invoice Information

Available at final report.