



## CLEAN AIR AMBASSADOR INFO SHEET

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Thank you for participating in the Clean Air Methow Ambassador project! This citizen science initiative aims to build awareness of air quality in the Methow and the importance of protecting our local airshed. The placement of PurpleAir™ monitors across the valley enhances our community's knowledge about real time air quality and helps inform the implementation of health precautions to protect our citizens.

As a Clean Air Ambassador, you will contribute to a growing platform of knowledge about local air quality and to Clean Air Methow's goal of having clean air for all who live in the valley.

### **Commitments as an Ambassador**

- ❖ Host or sponsor a PurpleAir™ outdoor or indoor sensor
- ❖ Represent and promote Clean Air Methow throughout the community
- ❖ Participate in periodic gatherings and meetings with Clean Air Methow staff and other ambassadors to share information, experiences, troubleshoot, ask questions, and grow enthusiasm for the project
- ❖ Take the Clean Air Ambassador Pledge: <https://forms.gle/Q8uVG4ZkqNj1MtBt7>
- ❖ Contribute to the Clean Air Methow Facebook page, Instagram, and other communication channels to bring attention to the project (recommended hashtags and @s: @cleanairmethow, #cleanairambassador, #methowvalley, #cleanairmethow)
- ❖ Agree to be profiled or otherwise featured as a Clean Air Ambassador in the Clean Air Methow website

### **Instrument Siting and Placement**

The PurpleAir™ sensor is designed to let air flow freely through the device while protecting its electronics from the elements and needs to be mounted in an appropriate location. Although the power supply is waterproof, it should be mounted so that it will not be submerged in water or covered by snow and ice.

### **Further site requirements include the following:**

- ❖ Placement of the device ~10 meters from the road, under cover of an eave or roofline, and ideally on a vertical surface ~2 meters high and ~2 meters away from a wall
- ❖ Use a drip loop or other mechanism to prevent water from running directly down wires into the device, power supply, or power outlet
- ❖ Placed above a surface other than dirt, such as pavement, gravel, grass, other vegetation
- ❖ As far as possible from point sources that could cause contamination of the air nearby (e.g. chimney, BBQ)

### **Sensor maintenance:**

- ❖ Clean the device if one or both of your sensor's channels is reporting incorrect PM2.5 numbers and or low confidence percentage (%). You can use a vacuum or air compressor to clean the laser counters
- ❖ Check instrument monthly to ensure no significant changes have occurred (e.g. tree growth, exposure to chimney smoke, building changes, damage to the instrument, etc)
- ❖ Create a logbook and record monthly instrument and data quality activities indicating date and any observations

### **Registering your sensor with Purple Air**

- ❖ If you received a sensor from Clean Air Methow, your sensor registration/log in credentials are:  
Owners Name: Clean Air Methow, Owners Email and Associated Email: [cleanair@mvcitizens.org](mailto:cleanair@mvcitizens.org)
- ❖ Sensor Name: set your sensor name to "MV Ambassador @ recognizable place name" i.e. "Balky Hill"
- ❖ Ensure your sensor location on Purple Air map is correct
- ❖ For Indoor sensors: make sure your sensor is publicly visible

### **Resources for purple air sensor troubleshooting, registration and maintenance:**

- ❖ Purple Air FAQs: for sensor setup, registration, changing your sensor info, etc - <https://www2.purpleair.com/community/faq>
- ❖ Purple Air Community Forum: useful info on the purple air map, data extraction, and more - <https://community.purpleair.com/c/community-projects/8>
- ❖ Purple Air Users Group Facebook Page