



OMEGA

Objective Measurement/Monitoring/Mitigation
of Emissions from Goods Movement and Impacts
on Air Quality

Have you ever wondered about the quality of the
air you breath?

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Do you suspect air quality may be directly
impacting your health?

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Would you be willing to host indoor and outdoor air
quality monitors on your property to provide air
quality information to your community?

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Join our mission...

HOST AN AIR QUALITY MONITOR!

*Only 6 hosts in Ontario, CA will be selected for a **FREE** installation of the following indoor & outdoor air quality monitors:

Indoor IQAir AirVisual Pro

Measures indoor air quality; Runs on electricity and Wi-Fi; **Power outlet and Wi-fi connection are necessary**; Must be placed on a flat surface and in a common area for the most accurate air quality measurement; **Displays LIVE and easy-to-read AQI for the host to view.**

Indoor QuantAQ

Measures indoor air quality; Runs on electricity and Wi-Fi; Mounted on a wall close to a power outlet by our team; **Power outlet connection is necessary**; Must be installed in a common area for the most accurate air quality measurement.

Outdoor Clarity Node-S

Measures outdoor air quality; Runs on wind and solar power; Installed above the QuantAQ monitor on the same metal pole that will be safely inserted into the ground by our team; **No plugs or Wi-Fi connection necessary.**

Outdoor QuantAQ

Measures outdoor air quality; Runs on wind and solar power; Installed on a metal pole that will be safely inserted into the ground by our team; **No plugs or Wi-Fi connection necessary**; Must be installed outdoors in a safe area that will minimize the chance of vandalism/other harm being done to the monitor.



Community members will be able to use the Free AirVisual app to get real time air quality alerts and health information from the outdoor Clarity devices. Hosts will be able to see their indoor air quality on the AirVisual Pro monitor. Data from all the devices will be shared with the community at the end of the 1 year study.

FAQ'S

What does OMEGA stand for?

Objective Measurement/Monitoring/Mitigation of Emissions from Goods Movement and Impacts on Air Quality

Why was Ontario, CA selected for this OMEGA project?

There has been an explosive growth of warehousing in the Inland Empire, with little attention to the local community that lives near these trucking routes. Other parts of this project will be studying trucking emissions directly, but we noticed that there were no consumer level air quality monitors in the Ontario area, so we created a Community Air Quality Monitoring component in which we hope to improve public awareness about air quality by installing indoor and outdoor monitors at 6 locations throughout Ontario.

Who will install, maintain, and remove the monitors?

Our OMEGA team, consisting of trained staff from the Coalition for Clean Air and researchers from UC Riverside.

When can I expect to have these monitors installed?

We can schedule an installation appointment around your preferred schedule starting this April.

Am I liable for any damage to the monitors?

You are NOT liable for any damage done to the monitors, though we do encourage checking on them occasionally and installing in areas where there is little to no chance of damage. If damage is done, please contact diana@ccair.org for monitor assistance or replacements.

What will you be doing with the gathered air quality data?

The main aim of this project is to provide the Ontario community with outdoor air quality information in near real time (updated hourly) so that they can make health-based decisions based on their local air quality. We also want to better understand the connection between indoor and outdoor air quality and assess the accuracy of different types of air quality monitors. All of the data collected over the course of 1 year deployment will be analyzed and shared with the hosts.

Why are there 4 different monitors?

The QuantAQ monitors are more advanced and measure a variety of air particles which will be useful when our data analysts create the full air quality reports for Ontario at the end of the year, while the Clarity and AirVisual monitors are responsible for giving you LIVE air quality updates 24/7 in an easy-to-read way while the monitor is on your property. **All 4 must be installed.**

How can the community access the LIVE data?

Anyone near your location can download the AirVisual app for FREE, search their personal address on the main search tab, and click the active monitor nearest to them to see LIVE AQI. Note only the outdoor monitors will appear as public stations in the AirVisual app. Hosts will be able to see their indoor readings on the Device and in the app, but the indoor data will not be shared publically.

How long will the monitors be installed?

Currently, we are looking for **one full year** of hosting, but that can be extended if we receive more grant funding for this project later this year.

To learn more about Air Quality Index (AQI), scan this QR code:



FOR MORE QUESTIONS, EMAIL DIANA@CCAIR.ORG