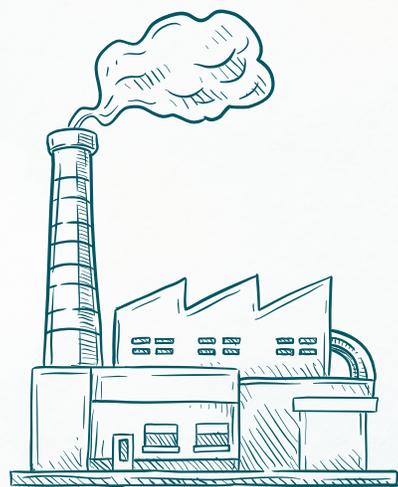


WERA/ CleanAIRE NC Air Monitoring Network in Alamance County

Public Health & Air Quality in Alamance County

Air pollution is the world's largest environmental health risk, according to the World Health Organization. Particle pollution, or soot, is a particularly dangerous pollutant—invisible and tiny matter floating in the air. These particles are small enough to pass through the lungs and travel directly into our bloodstreams. There is no safe level of exposure to particle pollution. What's more, particle pollution can vary dramatically by location, even from one city neighborhood to the next. And long-term exposure levels have been shown to strongly correlate with mortality rates.



WERA/ CleanAIRE NC: Community-Driven Air Monitoring Project

While North Carolina has 100 counties, there are just 23 state-run particle pollution (PM2.5) monitors. Too many communities are left in the dark about their levels of exposure to air pollution and the communities with greater need are often the ones without monitors. CleanAIRE NC is a nonprofit organization dedicated to the health of all North Carolinians by pursuing equitable and collaborative solutions that address climate change and air pollution. CleanAIRE NC is partnering with the West End Revitalization Association, and seeking community members of Alamance County to join a community-driven air quality monitoring project. Through this partnership, we will work collaboratively to monitor particulate matter levels, advocate for improved air quality, and address health disparities within the community.

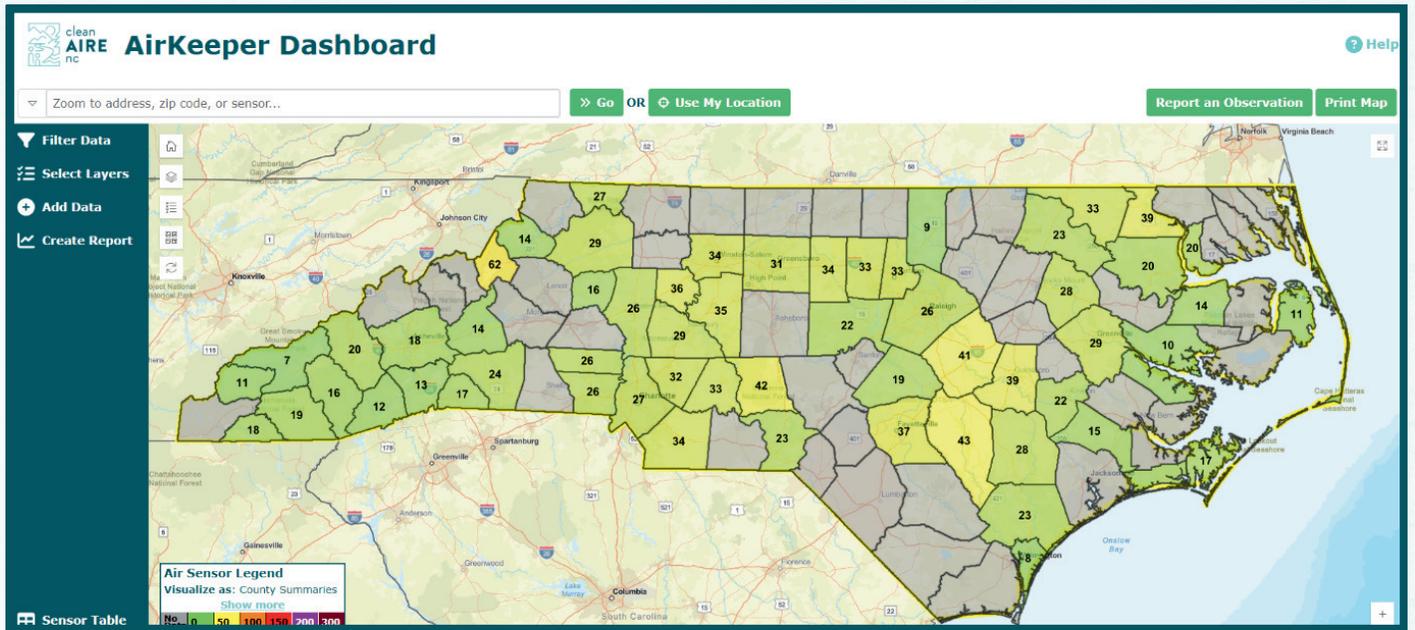
Goals Of Partnership

- Increase Community Air Monitoring Efforts: Equip local residents with the tools and knowledge needed to monitor air quality effectively.
- Gather Critical Data: Collect and analyze air quality data to identify pollution hotspots and trends.
- Advocate for Change: Use data-driven insights to advocate for policies and actions that will reduce pollution and protect public health.



WEST END REVITALIZATION ASSOCIATION
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Snapshot of purple Air (PM 2.5) sensors across the Piedmont region of North Carolina. This data visualization was created using CleanAIRE NC’s AirKeeper dashboard, a tool that provides an interactive map of the real-time data from the Purple Air monitors.

AirKeeper Monitoring Network Overview

The AirKeepers Program engages students, teachers, and the public in monitoring hyperlocal levels of air pollution using the latest citizen science technology on the market.

CleanAIRE NC is leading the way in creating a monitoring network across North Carolina. Equipped with smart, portable air sensors, volunteer citizen scientists collect air pollution data in their communities that’s reflected in real-time in our online map. Scientists, health experts, and advocates can leverage this information to fight air pollution like never before, while community members can avoid exposures and protect their health on poor air quality days.

[WERA Homepage](#)



[Airekeeper Dashboard](#)



To Become An AirKeeper Contact:

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West End Revitalization Association (WERA)



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