

BECOME AN AIR QUALITY CITIZEN SCIENTIST

Are you interested in the outdoor air quality in your neighbourhood?

Join a growing network of individuals, community groups and schools who are hosting small air quality monitors and contributing to a better understanding of air quality within our region.

You might be familiar with the **Air Quality Health Index (AQHI)** which provides a rating from one to 10 on the current and forecasted air quality. This data is derived from continuous air monitoring stations located in Airsheds across the province.

However, within our air monitoring network we still do not always know the air quality within a particular neighbourhood or smaller community. That's why Citizen Scientists are important!

As a Citizen Scientist, you will have an important role in collecting air quality data that affects your local environmental health.

Alberta Capital Airshed (ACA) is looking for individuals or groups within communities to host small air quality monitors to help scientists, policy makers and planners understand more about the air we breathe. **The air data collected will be available at CapitalAirshed.ca** and comparable to other sites locally and around the world.

Two different types of monitors

are used to measure particulates and gasses (e.g. NO₂, SO₂ and H₂S):

Electronic Particulate Sensors require:

- Ability to mount (with small screws) on a permanent structure, out of reach and preferably in a sheltered location open for complete air flow (i.e. under an eavestrough)
- Access to a standard power outlet within 4.5 m (15 ft)
- Access to Wi-Fi (2.4GHz signal)
- Access for a technician to install and visit the site if there is a problem



Passive Gas Filters require:

- Ability to mount (with small screws) on a permanent structure, out of reach (does not have to be sheltered)
- Access for a technician to visit for monthly filter changes
- Power and Wi-Fi not required

Learn more about becoming a citizen scientist by contacting us at info@capitalairshed.ca.



Who are We?

ACA is a multi-stakeholder, non-profit organization that monitors, collects, analyses and disseminates accurate data about the air we breathe. ACA works closely with Alberta Environment and Parks, Alberta Health Services and other organizations to ensure an integrated approach with publicly accessible data and healthy air quality for Albertans.