High Resolution Mobile Monitoring Project

A new air pollution study

Ecology is conducting a year-long mobile monitoring study to better understand outdoor air pollution that affects communities and Tribes across Washington. This study is funded by $10 million in Climate Commitment Act revenue that the State Legislature appropriated for this work in 2023.

FUNDED BY WASHINGTON'S
CLIMATE COMMITMENT ACT

The study's objective is to enhance understanding of air pollution at a fine scale and a more local level. We will share the study's findings with communities and Tribes. Ecology, local air agencies, and communities will also use the data to identify potential gaps in monitoring coverage, inform future air monitoring efforts, and pinpoint areas to improve air quality.

What to expect

This study will use a fleet of specialized vehicles, each equipped with a suite of air monitors that measure a range of pollutants. Measurements will be taken continuously as the vehicles drive along pre-designated routes on public roadways. Driving passes will be repeated at different times of day and night, days of the week, and seasons to best capture a representative snapshot of air pollution burden in each community.

Proposed communities

We are prioritizing communities across the state that are overburdened and experience elevated levels of air pollution. We are also prioritizing Tribal lands with similarly high levels of air pollution, and we will be seeking government-to-government consultation with these Tribes.

Next steps

We are issuing a Request for Proposal to partner with a vendor that has appropriate experience to conduct this work. Air monitoring for this the study is scheduled to start by fall of 2025. We will publish a final report and share key findings via a webpage in spring 2027.

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To request an ADA accommodation, contact Ecology by phone at 360-407-6831 or email at ecyadacoordinator@ecy.wa.gov, or visit https://ecology.wa.gov/accessibility. For Relay Service or TTY call 711 or 877-833-6341.