

2023 Legislative Session

Member Requested Local Community Project Information Form

Important Notes: This is not a formal grant program. This form provides information for House members to request a separate appropriation in the capital budget for this project. Funding any project is at the discretion of the Legislature.

This document may be subject to disclosure under the Public Records Act (Chapter 42.56 RCW).

Funds are available on a reimbursement basis only and cannot be advanced.

Tips: Successful past projects generally are ones in which the requested state funds: (1) are used for a facility providing an important public benefit; (2) are a small portion of the total project funding (25% or less); (3) result in a completed project or phase usable by the public for the intended purpose when the state funds are expended; and (4) are for a project that is ready for construction or renovation and will be completed within the biennium.

I. Project Name and Sponsor

Ultrafine particle monitoring (Seattle and TBD)

\$412,000

Sponsor(s): Orwall, Rep. Tina

II. Where is the project physically located?

Address: An air monitoring site near Sea-Tac Airport (to be determined) and 10th Ave & Weller St, Seattle

Seattle and TBD , 98104 King

District(s): 33, 37

Coordinates: 47.4667235, -122.3240617

III. Project Contact

Organization: Puget Sound Clean Air Agency

Contact: Kathy Strange , Director of Air Quality Programs

Website: <https://pscleanair.gov/>

Phone: 206-689-4095

E-mail: kathys@pscleanair.gov

Address: 1904 3rd Ave, Suite 105
Seattle, 98101

IV. Organization Information

Is this a joint project with another organization?

Yes

If yes, has a joint operating agreement been signed?

No

If yes, list the partners for the project.

Is the organization that will manage the funding different from the project contact organization or joint partner?

No

If it is different, please provide the name of the organization or fiscal agent that will manage the funding.

Is the requesting organization or joint partner registered with the state as a non-profit organization?

No

If answered no, is the applicant a local government?

Yes

V. Project Information

Briefly describe the scope of the project.

The objective of this project is to have the Puget Sound Clean Air Agency setup two ultrafine particle monitors to do long-term monitoring—one near Sea-Tac Airport, and another adjacent to where I-5 and I-90 meet. The University of Washington would do analysis on the data to estimate what are the contributing sources. Decades of research on fine particle air pollution demonstrate that it causes adverse heart and lung health impacts. These particles are 2.5 microns in diameter or smaller. Ultrafine particles are even smaller (0.1 microns in diameter or smaller) and are gaining increased attention from the public and research community. Ultrafine particles come primarily from transportation sources, especially cars and trucks. In the last few years, University of Washington researchers have shown that airplanes also produce even smaller ultrafine particles (ultra-ultrafine) in larger quantities in our region. Some studies have shown adverse cardiac and respiratory effects due to ultrafine particles, but results are not yet conclusive. As more is known about health impacts and unique sources, we may have more information and actions targeted on this pollutant. Routinely monitoring for ultrafine particles would help establish a baseline and trend to help understand potential health impacts when more is known about these smallest of particles.

VI. Project Schedule

Will the entire project be completed after this funding request?

No

Describe the estimated cost and schedule for each remaining phase of the project.

\$340,000 would be provided solely to the Puget Sound Clean Air Agency (PSCAA) for the purchase of two ultrafine particle counters to measure ultrafine particles that are not currently measured routinely in Washington State. This includes a particle counter for a near-airport site and a particle counter for a near-road site, as well as staff time to calibrate, maintain, and analyze results. \$60K would be provided solely to the University of Washington (UW) for staff time to do further analysis on the data collected by the new ultrafine particle counters. The UW will provide a yearly time trend analysis of concentration and integrate existing ultrafine monitored data with this new source of data. The UW will also identify sources contributing to ultrafine particle concentrations at the two monitoring sites. Results and methods used for these analyses will be shared with PSCAA to ensure continued operation in the future independent of UW. The UW will also calibrate the new instruments against existing devices to ensure comparability with past data. Within the biennium, the schedule would include purchasing, installing, and starting the monitoring. After a year of collection, the University of Washington could do the analysis. After the biennium, monitoring and analysis could continue, but may need more funding to do so.

Describe what discrete phase of the project will be completed with the funding from this request.

One year of monitoring and preliminary analysis would be completed.

Estimated completion dates for each phase of the project.

Monitoring could start in the spring of 2024, followed by an analysis reported out by June of 2025.

VII. Eligible Project Type or Phase

Land Acquisition	\$0
Demolition and Site Preparation	\$0
Design	\$0
New Construction	\$0
Renovation	\$0
Other – Air monitors and analysis	\$400,000
<i>Mandatory Commerce Administrative fee of up to 3% (max of \$50,000)</i>	\$12,000
Total Funding Requested	\$412,000

VIII. Site Control

Is the site owned or being purchased by the project contract?

Yes

If no, is the property being leased by the project contact for a term that will meet or exceed 10 years?

If no, please explain how the property will be secured for public use for at least 10 years, including the name of any other organizations that will maintain site control.

Does the applicant understand and agree that any and all real property owned, optioned for purchase, or under a lease, that is acquired, constructed, or otherwise improved upon using state funds as approved by the Legislature must be held and used for the purposes stated in this application for at least ten years from the date of the final payment made for the project is complete and becomes available for public use?

Yes

IX. Project Funding

What type of project is this?

Other

Has the applicant applied for other grants or loans listed on the Competitive Capital Budget Grant and Loan Programs?

No

If yes, was your project funded? If so, how much? If not, why not?

If no, were you planning on applying for those funds? If not, why not?

We received funding from the Reducing Toxic Woodstove Emissions Fund (\$778,822) via a competitive process administered via WA Dept of Ecology who is the primary recipient.

What amount and what percentage of local, federal and state funding has the applicant secured to date? Please list each amount by local, federal, state or private funding source or program.

0

Besides the amount being requested, what amount of local, federal or other state funding does the applicant need to secure in the future in order to complete the project? Please list how the amount will be raised by local, federal, state or private funding source or program.

0

Please list all past efforts to obtain state funding through the member requested local community project form, including the legislative session and the amount of funding obtained.

The Puget Sound Clean Air Agency does not typically get state funding through the local community project form. Typically it is received through calls for applicants via Ecology.

Once completed, how will the project fund its ongoing maintenance and operation?

The Agency would look for further funding after the biennium to help support air monitor maintenance, continued monitoring, and analysis, either from the state or other grant opportunities. If unavailable, the Agency may look into reserves or divest from other monitoring activities.

X. Project Benefits and Challenges

How will the requested phase of the project benefit the public?

There is a growing interest in air quality near airports. Having long term data can help either alleviate or highlight potential health concerns.

Will this project phase have a revenue-generating component that would have community and state economic benefit? Please describe and quantify.

No

Please quantify any long-term job creation that will result from this project phase.

The project would support about \$40K in PSCAA staff time and \$60K in UW staff time.

Are there any existing or anticipated community concerns about this project that would prevent it from moving forward?

No

XI. Acknowledgements - The undersigned acknowledges and agrees to the following:

If the project is funded, Commerce will require the project contact to meet contractual requirements. More information can be found here:

<https://www.commerce.wa.gov/building-infrastructure/capital-facilities/resource-toolkit/>

- Except for preconstruction activities or purchases of real property that does not lead to construction or renovation, the grantee must have site control of the project before the contracting process can begin.
- Except for design only requests, the grantee must secure all non-state funds needed to complete the project before receiving the state reimbursement.
- The grantee and their contractors must pay applicable state prevailing wages as of the date the 2023-25 Capital Budget is approved and executed.
- The project must be built to at least the LEED Silver Standard or receive an exemption.
- Awards over \$250,000 are subject to the securitization process and will need to be securitized.
- The grantee must complete the process outlined in Executive Order 21-02 before the contracting process can begin. This includes both Tribal and DAHP Consultation.
- The grantees must provide insurance to cover the project.
- This is a reimbursement grant and funds may not be advanced under any circumstances. For more info, please see the [CCF Toolkit](#).