

Greenhouse Gas Emissions Analyst and Quality Assurance Specialist (Environmental Specialist 5)



Salary

\$72,924.00 - \$98,040.00 Annually

Location

Thurston County – Lacey, WA

Job Type

Full Time - Permanent

Remote Employment

Flexible/Hybrid

Job Number

2025-CPR5317-02596

Department

Dept. of Ecology

Division

Climate Pollution Reduction Program

Opening Date

04/14/2025

Closing Date

Continuous

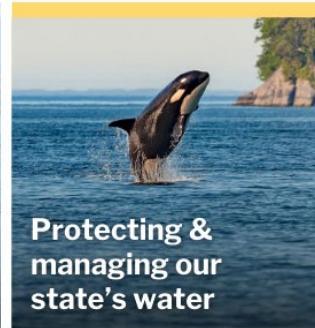
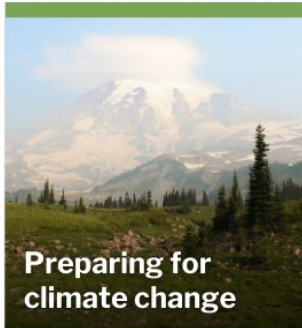
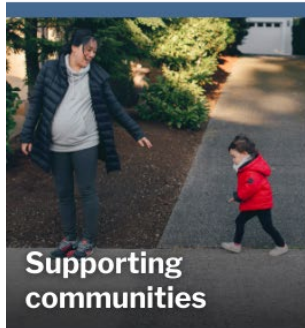
Salary Information

The high end of the salary range, Step M is typically a longevity step

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Description



DEPARTMENT OF
ECOLOGY
State of Washington

Keeping Washington Clean and Evergreen

The Department of Ecology is hiring a **Greenhouse Gas Emissions Analyst and Quality Assurance Specialist (Environmental Specialist 5)** within the Climate Pollution Reduction Program (CPRP).

Location:

- Headquarters Office in [Lacey, WA](#).
- Upon hire, you must live within a commutable distance from the duty station.

Schedule:

- This position is eligible for telework and flexible schedule options.
- A minimum of one day per week (Tuesday) is required in the office.
- Schedules are dependent upon position needs and are subject to change.

Application Timeline:

- **Apply by April 27, 2025.**
- This position will remain open until filled. The agency reserves the right to make a hire at any time after application review begins. Applications received after April 27th may not be considered.



Ecology is committed to Diversity, Equity, Inclusion, and Respect

Duties

As an emissions analysis expert, you will join the Greenhouse Gas Inventory Unit, working to enhance the statewide greenhouse gas inventory through innovative methodologies and timely, reliable data collection. In this role, you'll help develop robust inventory protocols, strengthen interagency collaboration on emissions inventories and reduction strategies, and provide technical expertise to legislators, state agencies, local governments, and other interested parties.

You will also spearhead the development and implementation of Quality Assurance Project Plans (QAPPs), guiding quality assurance and quality control planning across the Climate Pollution Reduction Program (CPRP). Through this work, you'll help ensure that program processes are aligned with agency policies and relevant regulatory standards.

What you will do:

- Collaborate with Greenhouse Gas Inventory staff to complete comprehensive quantitative evaluations, integrating all greenhouse gas emissions across all sectors from the baseline year to present using state greenhouse gas data.
- Work with internal and external data providers to formalize data sharing agreements, ongoing procedures, and tools in conjunction with the Greenhouse Gas Inventory staff.
- Quantitatively model current greenhouse gas sources and/or sinks with quality assurance (QA)/quality control (QC).
- Network with greenhouse gas inventory experts across the United States.

- Perform uncertainty analysis for data streams in the greenhouse gas inventories. Perform scenario forecasting for greenhouse gas emissions.
- Conduct analyses of quantifiable greenhouse gas reductions and co-benefits. Identify existing data gaps and work with Greenhouse Gas Inventory Unit staff and others across the state to systematically address data gaps to improve accuracy. This includes using national and international greenhouse gas accounting and verification protocols to develop sector specific greenhouse gas inventory processes.
- Develop internal CPRP QA guidance documents (e.g. checklists, standard operating procedures, data validation guidelines, etc.).
- Assist in the development of Quality Assurance Project Plan (QAPP) for CPRP projects.
- Advise CPRP staff on best practices for Quality Assurance.



Qualifications

Required Qualifications:

Ten years of experience and/or education as described below:

- **Experience** performing environmental-based work, **OR** work related to the duties of the position, that include all of the following:
 - Demonstrated experience with climate science, carbon accounting, or similar environmental field.
 - Experience developing and writing reports and/or technical documents.
- Experience **must include** demonstrated competence in the following skill sets:
 - Creating quality assurance project plans.
 - Using critical / analytical thinking and problem-solving skills to perform work tasks.
 - Reviewing and understanding information to apply it to the work.
 - Assisting in research or data analysis.
- **Education** involving a major study in environmental, physical, or one of the natural sciences; environmental or natural science interdisciplinary studies; environmental planning, geography, social dynamics of energy behavior, computer science, data analytics or an academic discipline related to the duties of the position.

Examples of how to qualify:

- 10 years of experience.
- 9 years of experience AND 30-59 semester or 45-89 quarter college credits.
- 8 years of experience AND 60-89 semester or 90-134 quarter college credits (Associate's degree).
- 7 years of experience AND 90-119 semester or 135-179 quarter college credits.
- 6 years of experience AND a Bachelor's degree.
- 4 years of experience AND a Master's degree.
- 3 years of experience AND a Ph.D.

Desired Qualifications:

- Demonstrated experience quantifying greenhouse gas emissions and/or sinks, for example Environmental Protection Agency (EPA) reporting of greenhouse gas emissions, use of EPA State Inventory Tool or similar accounting method.
- Demonstrated experience with data management and quality control platforms.
- Demonstrated experience with project management.
- Demonstrate experience applying Intergovernmental Panel on Climate Change methodologies.

If you are excited about this role but not sure if your experience aligns perfectly with every qualification in the job description, **we encourage you to apply**. Studies have shown that women and people of color are less likely to apply to jobs unless they meet every single qualification. At the Department of Ecology, we are dedicated to building a diverse and authentic workplace centered in belonging. You may just be the needed candidate for this or other roles.

Supplemental Information

Ecology does not use the **E-Verify** system; therefore, we are not eligible to extend STEM Optional Practical Training (OPT). For more information, please visit www.uscis.gov.

Application Process

Ecology seeks diverse applicants: We view diversity, equity, inclusion, and respect through a broad lens including race, ethnicity, class, age, religion, sexual orientation, gender identity, immigration status, military background, language, education, life experience, physical disability, neurodiversity, and intersectional identities. Qualified job seekers from all backgrounds are encouraged to apply.

How to Apply

Click “Apply” at the top of this page. Complete the entire application, including full work history and responses to all supplemental questions, and attach:

- Cover letter, describing your interest in and qualifications for this position
- Resume

Because we base our selection on the information you provide, it is in your best interest to complete the application thoroughly. A resume will not substitute for the “work experience” section of the application or vice versa. Applications with blank fields or supplemental question responses with comments such as “see resume” may be considered incomplete.

For detailed application information, please visit our [Recruitment website](#).

Application Attestation: By submitting an application, you are affirming that the information contained in your application and on all attachments is complete and truthful. The state may verify this information, and any false or misleading answers may result in rejection of your application or dismissal if employed.

Need an Accommodation?

If you need reasonable accommodation during the application and/or screening process, including this job announcement in an alternate format:

- Please contact us at 360-407-6186 or careers@ecy.wa.gov
- If you are deaf or hard of hearing, you may call through the Washington Relay Service by dialing 711 or 1-800-833-6384.

Questions?

- For specific questions about the position location options, schedule, or duties, please contact **Anthony Abbott** at Anthony.Abbott@ecy.wa.gov.
- If you need assistance applying for this job, are inquiring about the status of your application, would like to request the full position description, or have any other questions, please contact the Recruitment Team at careers@ecy.wa.gov.

About the Climate Pollution Reduction Program

The Climate Pollution Reduction Program's (CPRP) mission is to implement policies and programs to reduce carbon emissions to meet the state's greenhouse gas emission limits. The CPRP focuses long term to create innovative solutions and policies to guide Washington and set an example for other states seeking to reduce their climate impact. Located within the Greenhouse Gas Inventory Unit, the Greenhouse Gas Inventory Emissions Analyst and Quality Assurance Specialist supports Washington's attainment of net zero emissions by 2050.

About the Department of Ecology

As the State of Washington's environmental protection agency, we are deeply committed to protecting, preserving, and enhancing Washington's environment for current and future generations. Joining Ecology means becoming part of a team dedicated to protecting and sustaining healthy land, air, water, and climate in harmony with a strong economy. A career in

public service at Ecology allows you to help solve some of the most challenging problems facing our state, while keeping your health and financial security a priority. We combine one of the most competitive benefits packages in the nation with a strong commitment to life/work balance. We invest in our employees to create and sustain a working environment that encourages creative leadership, effective resource management, teamwork, professionalism, and accountability.

Diversity, Equity, Inclusion, and Respect (DEIR) are core values central to Ecology's work. We strive to be a workplace where we are esteemed for sharing our authentic identities, while advancing our individual professional goals and collaborating to protect, preserve, and enhance the environment for current and future generations.

We believe that DEIR is both a goal and an action. We are on a journey, honoring our shared humanity and taking steps to demonstrate our commitment to a vision where each of us is heard, seen, and valued.

Ecology employees may be eligible for the following: [Medical/Dental/Vision for employee & dependent\(s\)](#), [Public Employees Retirement System \(PERS\)](#), [Vacation, Sick, and other Leave*](#), [11 Paid Holidays per year*](#), [Public Service Loan Forgiveness](#), [Tuition Waiver](#), [Long Term Disability & Life Insurance](#), [Deferred Compensation Programs](#), [Dependent Care Assistance Program \(DCAP\)](#), [Flexible Spending Arrangement \(FSA\)](#), [Employee Assistance Program](#), [Commute Trip Reduction Incentives \(Download PDF reader\)](#), [Combined Fund Drive](#), [SmartHealth](#) *[Click here for more information](#)

To learn more about Ecology, please visit our [website](#), explore [Working at Ecology](#), check out our [Strategic Plan](#), and connect with us on [LinkedIn](#), [Facebook](#), [Instagram](#), [YouTube](#), or our [blog](#).

Equal Opportunity Employer: The Washington State Department of Ecology is an equal opportunity employer. We strive to create a working environment that includes and respects cultural, racial, ethnic, sexual orientation and gender identity diversity. Women, racial and ethnic minorities, persons of disability, persons over 40 years of age, veterans, military spouses or people with military status, and people of all sexual orientations and gender identities are encouraged to apply.

Collective Bargaining: This is a position covered by a bargaining unit for which the Washington Federation of State Employees (WFSE) is the exclusive representative.

Note: This recruitment may be used to fill other positions of the same job classification across the agency. Once all the position(s) from the recruitment announcement are filled, the recruitment may only be used to fill additional open positions for the next sixty (60) days.