

Pacific Northwest National Laboratory

Operated by Battelle for the
U.S. Department of Energy



Pacific Northwest National Laboratory's main campus is located in southeastern Washington.

About Pacific Northwest National Laboratory

Pacific Northwest National Laboratory is a U.S. Department of Energy Office of Science national laboratory that advances the fundamental understanding of complex systems and provides science-based solutions for the nation.

PNNL employs more than 4,100 professionals and has a business volume of \$725 million. A competitive relocation, benefits, and salary package is available for selected candidates.

For more information, please contact:

Kristi Ross, Staffing Specialist
Human Resources
Kristi.Ross@pnl.gov
(509) 372-6317

Building Energy Analysts

Pacific Northwest National Laboratory

Pacific Northwest National Laboratory's energy solutions are making a difference, and you can be a part of it. PNNL has immediate openings for **Building Energy Analysts** at its main campus in Richland, Washington.

You Can Make a Difference

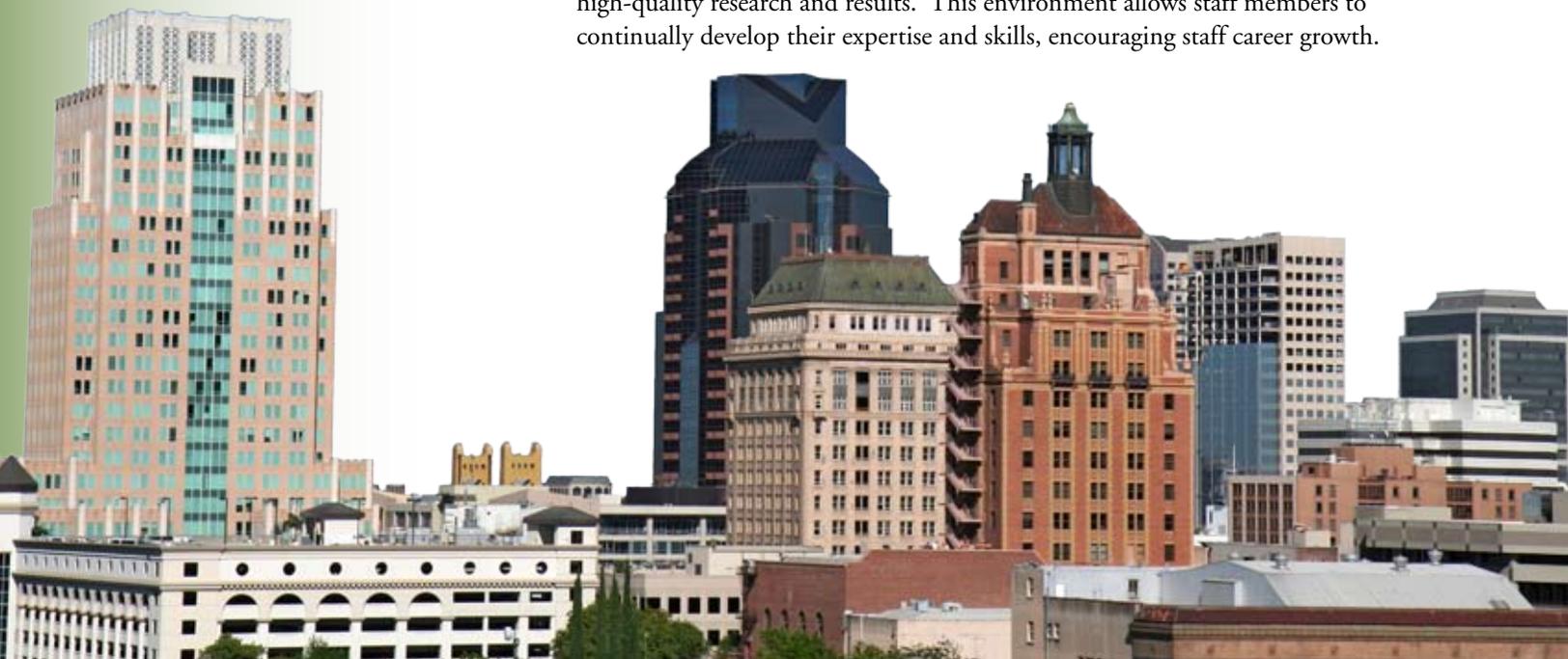
As a Building Energy Analyst at PNNL, you will be part of a team of dedicated, enthusiastic researchers and engineers who are working to make buildings more energy efficient. PNNL's research is directly contributing to increasing our nation's energy capacity, decreasing our dependence on foreign oil, and reducing the use of natural resources and the associated environmental effects.

Pacific Northwest National Laboratory develops energy technologies and solutions that are being used in government, commercial, and residential buildings with exciting results and significant impacts. We work with the U.S. Department of Energy, the Department of Defense, the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), other government agencies, and the private sector.

As a Building Energy Analyst at PNNL, you may have the opportunity to work in the following areas:

- Building energy analysis and research
- Building simulation and modeling
- Field monitoring and analysis
- Design support for high-performance buildings
- Energy codes and standards for energy-using equipment
- Training and workshops
- Development and deployment of advanced energy systems
- Proposal development.

We foster a strong collaborative environment across multiple disciplines to provide high-quality research and results. This environment allows staff members to continually develop their expertise and skills, encouraging staff career growth.



Current Openings: Energy Science & Technology Directorate

These positions are part of the Energy & Engineering Division's Technology Systems Analysis Group (http://www.pnl.gov/energy/eed/tech_systems/index.stm). The Technology Systems Analysis Group provides capabilities in sustainable design and development, building systems and energy technology analysis, and carbon management.

To apply for any of the following positions and for complete job descriptions, including minimum requirements and qualifications, see <http://jobs.pnl.gov/>. You may also apply by submitting your CV to Kristi.Ross@pnl.gov.

Building Research Engineer I/II

Job ID: 113155

This position involves conducting quantitative analysis and research of buildings energy and resource issues. Typical research projects include:

- campus and facility energy performance assessments
- commercial building equipment analysis and modeling
- field metering and analysis of innovative building technologies
- assessment and modeling of the biological/chemical vulnerability of buildings
- whole-building performance assessment/post-occupancy evaluation.

These projects frequently involve site visits to assess building performance, installing and utilizing metering equipment, and developing system models.

Mechanical, electrical, chemical, civil, environmental, or industrial engineering preferred.

Senior Commercial Buildings Energy Analyst IV/V

Job ID: 113162

This position is seeking technical and leadership expertise to join a nationally recognized program in commercial buildings and commercial building energy analysis. This expertise should include developing energy-efficient requirements for commercial buildings in the areas of building envelope, lighting and/or HVAC equipment codes and standards. This position will focus on commercial building systems modeling and analysis related research, such as buildings and equipment codes and standards. Business development and client interactions are an expectation of this position. This position will also be responsible for program development and management for commercial buildings energy-related business for government and private sector clients. Other desired skills include energy technology, sustainability and carbon management technology related policy analysis.

Excellent client communications and excellent program/project manager skills required.

Building Energy Systems Modeler I/II

Job ID: 113156

This position involves using EnergyPlus to model and conduct simulations of building energy systems for high-efficiency commercial buildings and for innovative technologies. Previous experience in EnergyPlus is required. This position will be assisting project teams with building simulation analysis for codes and standards development as well as high performance building energy analysis. EnergyPlus analysis for HVAC and other commercial equipment and appliances, as well as building energy simulation analysis will be an expectation of this position. Additionally, this position may involve impact analysis for building systems and technologies, supporting multiple projects for the government and private sector. The project may involve research on energy efficiency, sustainable design practices, and carbon management strategies.

Experience with the use of EnergyPlus is required. Experience with other energy modeling tools a plus.

Senior Building Energy Systems Modeler III/IV

Job ID: 113157

This position involves leading tasks that are using EnergyPlus to model building energy systems for high-efficiency commercial buildings and for innovative technologies. Previous experience in EnergyPlus is required, with experience in EnergyPlus module or interface development a plus. This position will involve working with EnergyPlus analysis project teams to support HVAC and other commercial buildings equipment and appliance codes and standards development, as well as building energy simulation analysis. Additionally, this position may involve impact analysis of building systems and technologies, leading and/or supporting multiple projects for the government and private sector. The project may involve research on energy efficiency, sustainable design practices, and carbon management strategies.

Experience with the use of EnergyPlus required. Experience with other energy modeling tools a plus.