

Our Mission

To advance environmental and economic well-being by providing unmatched energy services, products, education and information based on world-class research.

Our Customers

Our customers include large and small businesses, public and private utilities, local and state governments, tribes, federal agencies and facilities, manufacturing plants, professional and trade associations, schools, universities, national laboratories, and consumers.

About Us

Our staff of energy engineers, building efficiency specialists, technical experts, software developers, and energy research librarians works out of our Olympia, Spokane and satellite offices. Operating similar to a consulting firm, the WSU Energy Program is a self-supported department within the University.

Within WSU

We are part of the College of Agricultural, Human and Natural Resource Sciences. We report directly to the Dean of the College.

Contact

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Director

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For more information,
visit our website at
www.energy.wsu.edu.

Sampling of Technical Expertise at the WSU Energy Program

Rob Penney, P.E.

Senior Energy Engineer

Penney is a Professional Engineer and Certified Energy Manager at the WSU Energy Program. In this capacity, he oversees a team of engineers and energy specialists to provide comprehensive technical responses, research, and training and publication development on a wide variety of building energy systems topics for the industrial, commercial and institutional sectors. Penney served as lead engineer for the organization's national Clearinghouse Services programs. In Penney's previous positions, he has managed energy auditing, building science research and training projects, and performed HVAC, plumbing and fire protection design calculation, layout and specification writing for commercial and industrial facilities.



Gil McCoy, P.E.

Senior Energy Systems Engineer

McCoy, a registered Professional Engineer, provides technical assistance and energy auditing services to industrial and public-sector clients. McCoy's areas of expertise include optimization of industrial systems (motor/drive, compressed air, steam, combined heat and power and pumping). He served as lead engineer for development of software products including MotorMaster+ (motor energy management), International Motor Selection and Savings Analysis, AirMaster+ (compressed air system assessment), and BallastMaster (lighting system/ballast selection) software. McCoy is a U.S. Department of Energy (U.S. DOE) Qualified AIRMaster+ Specialist and a Qualified Steam Tools and Process Heating Specialist.



Marcia L. Karr, P.E.

Energy Engineer

Karr, a registered Professional Engineer in Washington and Oregon, has over 30 years of experience in commercial building design, construction and maintenance. Her positions have included code plan reviewer, union trades manager, design/build engineer, field



construction engineer and project coordinator, HVAC designer (commercial, institutional and residential), and project engineer. Karr is a licensed Commercial Buildings Energy Code (NREC) Plans Examiner.

Rick Kunkle, P.E.

Research Engineer

Kunkle has over 25 years of experience applying a unique combination of engineering, planning, evaluation, research and management skills to improve the quality and performance of energy efficiency programs and energy systems. He conducts program evaluations and research on a range of topics, such as community-based energy efficiency programs, low-income weatherization, household energy use, residential ventilation systems, commercial building development and operation, commercial office building markets, and renewable energy technologies. A particular research interest is improving understanding of how markets and consumers adopt and apply energy-efficient technologies and practices.



Tony Simon

Energy Systems Engineer

Simon is an expert at assessing and analyzing energy systems used in agricultural and manufacturing facilities, such as motors, air compressors, pumps, fans, steam, refrigeration and cooling tower systems. As a U.S. Department of Agriculture



Technical Service Provider, Simon conducts farm energy audits and trains conservation district staff members to perform on-site energy assessments at local agricultural operations with the Washington Farm Energy Program. Simon is certified by the U.S. DOE Industrial Assessment Center and is a DOE AirMaster+ Qualified Specialist for Compressed Air Systems.

Ken Eklund

Building Science Team Leader

Eklund and his team focus on energy code implementation, building science research and training. Eklund has over 30 years of experience in energy efficiency and renewable energy research, training, demonstration, program development, implementation and management. He served for 26 years in supervisory and management positions in the energy field. Eklund also worked on the Regional Technical Forum of the Northwest Power and Conservation Council and is the author or co-author of several peer-reviewed papers in technical and program implementation areas.



Michael Lubliner

Building Science Specialist

Lubliner has worked in the energy conservation and renewable energy field for over 30 years. He helped develop, implement, evaluate and refine the Northwest Power Planning Council's Model Conservation Standards, state energy codes,



and Super Good Cents site-built and manufactured housing programs. He works in support of the U.S. DOE's Building America Program and the U.S. Environmental Protection Agency's ENERGY STAR Program.

Andrew Gordon

Energy Specialist

Gordon has over 22 years of experience providing high-quality implementation and management services to site-built and manufactured housing industries. He is a trainer for building science and energy efficiency certifications, and is an accomplished author and collaborator on numerous technical papers, articles and reports.



Luke Howard

Building Science Specialist

Howard has over 10 years of academic and professional experience researching, analyzing and implementing sustainable and resource conservation building design strategies. He also educates industry and the public about resource and energy conservation practices. Howard is a Residential Energy Services Network Quality Assurance Designee/Trainer, a certified Sustainable Building Advisor, is certified in duct sealing and heat pump commissioning, and is an infrared thermographer, Level 1.

