

The WSU Energy Program – A national leader and catalyst for creating powerful energy solutions

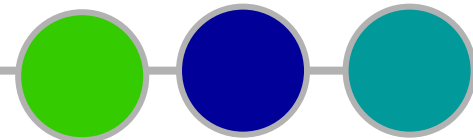
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WSU Extension Energy Program

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Measurement as a Business Driver

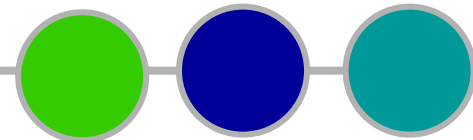
You cannot manage what you cannot measure

- You probably track key success indicators (customers, gross revenue, profits, etc.) – so do those of us in environmental and energy management
- Examples of our measures are tons of carbon emitted (or prevented), energy used or saved, gallons of fuel used and tons of waste recycled
- We have noticed a connection – businesses that are well managed for profitability are often very good at managing, and reducing waste



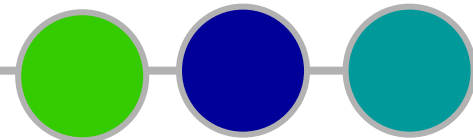
Resource Conservation Management

- We encourage businesses and governments to adopt an ongoing program of Resource Conservation Management with the following key features:
 - Reviewing and formal tracking (with trending) of energy use, water use, refuse disposal, etc.
 - Using this information to identify targets for further analysis for cost-effective changes, which can run from simple, no or low cost items to major capital investments. In some cases, your electric, natural gas, refuse service and water providers may be willing to help identify and analyze your options and even help fund improvements
 - Letting staff know that energy and other waste matter to the success of the business, but also let them know how they can help (turn off lights and equipment at the end of the day, keep the doors closed, recycle and reuse waste paper, etc.)
 - Track and share with employees the results of your and their efforts



RCM Lessons Learned

- By assigning someone to these tasks, as at least part of their work, we have seen utility cost reductions of 10 percent or more, without investing capital
- Businesses and governments with bills over \$1,000,000 annually can *financially* justify a full-time Resource Conservation Manager – those with smaller bills can justify proportionately less, as a long-term staff time investment
- Continued success requires continued focus on the tracking of utility use, proper analysis of potential improvements and a consistent message to staff
- For resources in getting started, go to the Resource Efficiency Management page of our website: <http://www.energy.wsu.edu/projects/rem/>



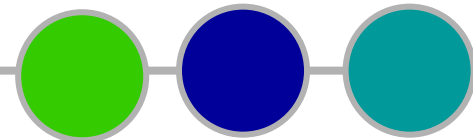
Our Organization

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



Formerly part of the Washington State Energy Office, established in 1976. In 1996, the state transferred the energy office's education, information, technical assistance, and training programs to Washington State University Extension

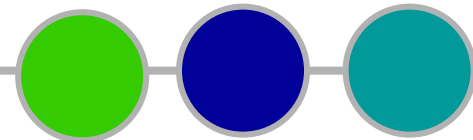
The WSU Extension Energy Program is comprised of approximately 60 specialized staff members – including engineers, software developers, energy specialists, librarians and more



WSU Extension Energy Program

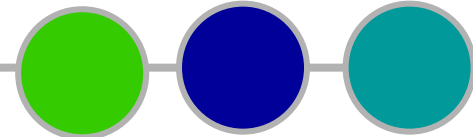
With an annual budget of about \$6 million, the WSU Extension Energy Program is supported by project funding partnerships with:

- Federal government agencies
- Federal Power Marketing Agencies
- The Northwest Energy Efficiency Alliance
- The private sector



Technical Expertise

- Energy efficiency engineering
- Building sciences and standards
- Renewable resources
- District heating/utilities and distributed generation/combined heat & power
- Climate change
- Agricultural Energy
- Program research and evaluation



Resources for your Business

- Energy Efficiency and Renewable Energy (EERE) national Information Center
- WSU Energy Library
- CHP Application Center
- Northwest Building Efficiency Center

Contact us at: 360-956-2000

For more information, visit:

<http://www.energy.wsu.edu>

