

Energy Program

Providing energy project management services to help customers reduce operational costs, and make Washington a better place to live, learn and work.

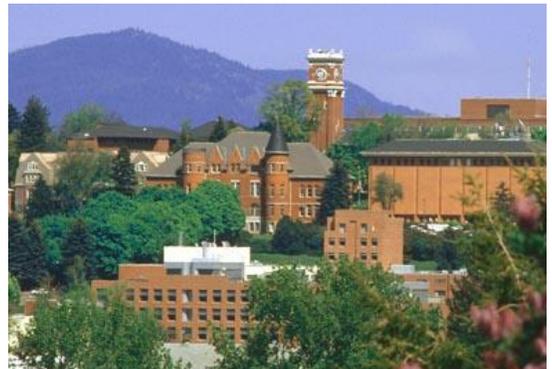
National Leaders in Energy Savings Performance Contracting (ESPC)

The [Energy Program](#) uses expertise and experience to identify, design and manage construction activities for energy and utility conservation projects. The ESPC method is the most cost-effective process for building energy upgrades and retrofits. By leveraging utility savings, grants and capital dollars, projects can usually be funded within existing budgets. The ESPC program also guarantees the total project cost, performance and energy savings before construction starts.

The program has completed over \$1.2 billion dollars in performance contracts, and has satisfied over 400 state public facility customers.

History of Customer Savings:

- Avoided \$40+ million in annual utility costs
- Over 400 million kilowatt-hours of electricity saved; *enough to power 30,000 average Washington homes each year*
- Over 15.5 million therms of natural gas saved; *equal to removing 15,000 cars from our roads annually*
- Avoided release of 270,000+ tons of carbon dioxide (CO₂) into the atmosphere each year



Washington State University

Customers we serve:

- | | | | |
|---|-----------------------------|--------------------|--------------------|
| • Cities and Towns | • Colleges and Universities | • Counties | • Health Districts |
| • Hospitals | • Libraries | • School Districts | • Port Districts |
| • Other Public Agencies (Metro Parks, Public Utilities, Fire Districts, Sound Transits) | | | |

How to get started:

Once a customer agency contracts with the Energy Program, they are able to select an Energy Service Company (ESCO). DES and the ESCO will then complete a free preliminary energy audit of the customer's building or facility to reveal possible energy efficiency projects.

Typical projects include: interior and exterior lighting, high efficiency HVAC systems, boiler replacements, repair of steam distribution systems, wastewater treatment plant pumps and more.

Contact Information:

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Other Energy Program Services



Building Commissioning

A systematic, documented process that helps ensure public facilities operate efficiently.

Have you ever experienced these problems in your facilities?

- Poor indoor air quality
- High energy costs
- High O&M costs
- Difficulty maintaining comfortable temperatures
- High number of deficiencies in newly constructed buildings

Chances are commissioning could have prevented many of them. Everyday more building owners are turning to commissioning.

Through Building Commissioning, owners are assured that their buildings are built right the first time, and their systems perform in accordance with the design intent and the occupants' operational needs.

Visit us on the web at:
<http://www.des.wa.gov/services/facilities/Energy/Commissioning/Pages/default.aspx>



Building Energy Benchmarking (Energy Star Portfolio Management)

A tool that tracks energy and water usage in public facilities so customers can identify waste and find ways to reduce consumption

Environmental Protection Agency's (EPA) Portfolio Manager is a free web-based tool used to track and report on building energy use.

Benchmarking in Portfolio Manager identifies opportunities for energy savings in buildings occupied by state government, colleges, municipalities and schools.

The DES Energy Program provides resources to help our client's benchmark building energy use and save energy.

Visit us on the web at:
<http://www.des.wa.gov/services/facilities/Energy/EnergyStar/Pages/default.aspx>



Energy Life Cycle Cost Services

A decision-making tool that compares owning and operating costs for energy using systems in new and remodeled facilities.

The ELCCA encourages energy efficiency in new construction by evaluating the total cost of ownership of several competing design alternatives.

DES supports this goal by publishing these guidelines, identifying and encouraging the consideration of cost-effective building technologies and by providing assistance in the development and review of ELCCA reports.

The 2016 version of the Guidelines have simplified the process and set energy use goals for the design alternatives. At a minimum, the design alternatives must meet the LEED Silver requirement.

Visit us on the web for more information and to obtain guidelines:
<http://www.des.wa.gov/services/facilities/Energy/ELCCA/Pages/default.aspx>



Resource Conservation Management

A coordinated management tool that uses data analysis of building systems to reduce the utility costs, improve comfort, and give customers more control over the operating costs of their facilities.

The program focuses on engaging building occupants and operators to achieve results.

By carefully tracking the resources and services that your facility uses, and the waste generated, you can reduce costs, increase efficiency, and promote environmentally friendly operations.

Having a comprehensive RCM program in place can save between 10 to 15 percent of your utility bills after the first year

Visit us on the web at:
<http://www.des.wa.gov/services/facilities/Energy/Pages/RCM.aspx>

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