

Energy Program

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

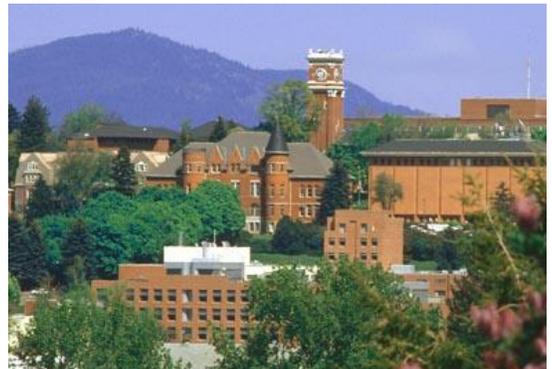
National Leaders in Energy Savings Performance Contracting (ESPC)

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 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 |
| • State agencies | | | |
| • 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:

Roger Wigfield, Energy Program Manager
360-407-9371

Kathi Fyfe, Program Analyst
360-407-9372 EnergyTeam@des.wa.gov

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 way to benchmark and track energy and water usage in public facilities to help reduce energy 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.ga.wa.gov/EAS/epc/espc.htm>



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 management tool that gives you more control over the operating costs of your facility.

The program focuses on occupant comfort, cost-effectiveness, and assuring that equipment is used only when needed.

By carefully tracking the resources and services 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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Roger Wigfield, Energy Program Manager
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360-407-9372 EnergyTeam@des.wa.gov

Fleet Operations

A focus on sustainability, efficient management

Enterprise Services manages the state [Fleet Operations](#) of more than 4,000 sedans, sport-utility vehicles, light trucks and vans. Hybrids and alternative fuel vehicles account for more than half of the fleet. By 2017, 20 percent of all new state passenger vehicle purchases will be electric vehicles.



Fleet Operations provides vehicles for assigned agency use, has three daily rental sites, and provides maintenance for vehicles in Thurston County.

Consolidation boosts efficiencies

Since a governor's directive in 2009 to consolidate vehicle fleets, the number of state-owned vehicles that Fleet Operations manages has increased from 13 percent to 30 percent. Enterprise Services expects to manage 35 percent of state-owned vehicles by 2017.

By consolidating an existing fleet into Fleet Operations, agencies can reassign resources currently devoted to:

- Buying and disposing of vehicles
- Managing vehicle maintenance, repairs, and accidents
- Gathering and reporting sustainability and driver safety data
- Managing fuel cards
- Paying fuel, maintenance and repair bills

Fleet Operations also can repurpose vehicles that are only used seasonally or have reached their retirement mileage to other agencies that need a light duty or temporary vehicle.

To date, Fleet Operations eliminated more than 330 vehicles from service, and expects a total reduction of 500 as a result of the consolidation.

Services save time, money

In addition to renting and leasing vehicles, Fleet Operations offers the following services:

- **Fleet management**

Fleet Operations uses a state-of-the-art electronic fleet management information system to track repairs, fuel consumption, mileage and all other costs associated with operating its vehicles. Agencies can hire Fleet Operations to manage their fleets.

- **Automated key box**

Some agencies use an automated key box to dispatch vehicles. Automated key boxes accept online reservations and allow for multiple users and billing accounts. Smart keys track trip time and mileage for billing and maintenance purposes. Expansion of the key boxes will improve overall efficiencies. For example, the Department of Health has saved \$260,000 annually at its headquarters with a 38-vehicle automated system. The savings are attributed mostly to a reduction in the number of permanently assigned vehicles and

decreased use of personally owned vehicles. Fleet Operations is working with other agencies to install automated key boxes where appropriate.

- **Maintenance and repair**

Fleet Operations offers repair and maintenance services at its Olympia headquarters for all state-owned vehicles, even those not managed by the program, at rates 30 percent below the private sector. All mechanics are certified by the National Institute for Automotive Service Excellence. About 60 percent of all maintenance work is performed by private automotive shops in locations where state vehicles are used and based outside of Olympia. These repairs are managed by Fleet Operations.

- **Daily rentals**

Fleet Operations rates are significantly lower than state contract rates with commercial rental companies. For example, a daily rental for a 100-mile trip in a hybrid sedan costs a Fleet Operations customer about \$38, compared to a \$60 charge for a similar trip from a well-known commercial rental car company.*

**Current rates subject to change*

Contact

George Carter III, Fleet Operations Manager
(360) 664-9213 or George.Carter@des.wa.gov

Surplus Operations

Recycling, reuse, and sales of surplus assets benefit all public organizations

[Surplus Operations](#) handles used goods ranging from corkscrews to museum exhibits to used radar guns and vehicles. Proceeds from sales pay for the surplus program and also result in financial returns to state and local government agencies. The sale, reuse and recycling of goods also keeps hundreds of thousands of pounds of materials from being dumped in landfills.

Variety of items available

Other available items include laptops, file cabinets, sewing machines, bun warmers, cars, trucks and, occasionally, a used ferry. Also included are items the Federal Transportation Security Administration does not allow on airplanes departing from various airports in the state of Washington, such as Swiss Army knives, corkscrews, and various hand tools.



Sales to the public

School renovations, consolidations and other changes in state government mean merchandise is available to the public. Individuals can buy used vehicles and other items via our [online auctions](#), and our public store is open five days a week.

Interested buyers can check out featured items through our [Facebook](#) page and get updates via [Twitter](#).

Sales generate funds for agencies

Overall sales of goods returned more than \$14 million to state and local government agencies in the 2013-2015 biennium.



The public store is open from 10 a.m. to 4 p.m. Tuesday through Friday, and from 9 a.m. to 3 p.m. on Saturday. The warehouse is located at 7511 New Market Street in Tumwater Washington.

Partnership recycles computers for schools

Surplus Operations also works with the Department of Corrections and the Office of Superintendent of Public Instruction to refurbish computers and redistribute them for use by school districts across the state. In 2015, more than 5,900 computers were sold to Washington Schools for \$28 each.

Compact loads reduce emissions, save money

Surplus Operations recycles or re-uses more than 99 percent of what it receives. The program uses a 'pre-crushing machine' to compress wood, metal and other miscellaneous materials into compact packages to be delivered from Tumwater to a recycling facility at the Port of Tacoma. The compressed materials take up less space in the trucks, reducing the number of deliveries, and carbon emissions.

In 2015, 330 pallets of electronics were recycled from state agencies through Washington's e-cycle program.

In the 2013-2015 biennium, a total 2,032 tons of materials were recycled.

June 15, 2016





Workplace Learning and Performance

Building the workforce of the future

Whether you are a state employee who wishes to improve your opportunity for advancement, a leader looking for developmental opportunities for your staff and teams, or an agency training manager who needs to retool a learning program to meet the demands of an evolving workplace, the Department of Enterprise Services (DES) is here to deliver learning opportunities tailored to your needs.

What types of services are available?

- Instructor-led classes
- Online and other e-learning opportunities
- Specialized courses developed to meet your agency's needs
- Single agency training contracts offered at competitive prices

Does DES provide training outside of Olympia?

DES will help your agency find the most efficient, and effective method for delivering learning solutions. In addition to the training provided in the 1500 Jefferson facility in Olympia, we can schedule on-demand classes in other parts of Washington.

Does DES provide on-demand online learning?

DES can provide Lynda.com subscriptions at a 92 percent discount off retail value. This allows for unlimited access to an online library of high-quality instructional videos on the latest tools and skills for everything from IT, to Human Resources and beyond. There are more than 4,000 courses taught by industry experts, designed for all levels of learners, that are available whenever you're ready to learn.

Does DES provide Leadership Development?

DES is launching an evidence-based leadership development model that's tailored to meet Washington's need for current and future leaders. It starts in September 2016 with *Leading Others* for new supervisors and leaders. Agency leaders from throughout Washington State government helped design this model, designed to meet critical needs and develop quality leaders during this crossroads when the state faces a large wave of leader retirements. We know the success of our state and our agencies depends on having a proactive approach to developing trained, qualified leaders.

Contacts and web resources

- Class schedules, course catalogs, registration information, and more: <http://www.hr.wa.gov/training/Pages/default.aspx>
- Contacts: traininginfo@des.wa.gov
- Reasonable accommodation information: <http://www.hr.wa.gov/training/Registration/Pages/default.aspx>
- Lynda.com Questions : lynda@des.wa.gov