



Energy Program reduces emissions, cuts costs

Award-winning team offers expertise, project management

The Energy Program is recognized for its expertise in project management and sustainable practices. Since its inception in 1984, the program has managed statewide projects that have saved more than 198 million kilowatt-hours of electricity and 12 million therms of natural gas. Public agencies and taxpayers have avoided \$110 million in utility costs.

The electricity savings is equal to the amount of power used by nearly 15,000 average homes.

The award-winning Energy Program has been a national leader for performance contracting in state facilities. The program has:

- More than 25 years of experience developing and managing complicated contracts.
- Completed in excess of \$180 million in performance contracts.
- Satisfied clients at more than 100 state public facilities.
- An annual cost avoidance savings in excess of \$15 million.

The program is designed specifically for state agencies, colleges and universities, cities and towns, counties, school districts, port districts, libraries, hospitals, health districts and more.

How the Energy Program helps manage costs

The program provides the experience and expertise for quality assurance, project negotiation, overall project management and monitoring and verification procedures. The program creates a partnership with an energy-service company for free preliminary audits to determine potential energy efficiency projects. The process is known as energy saving performance contracting.

Benefits of energy saving performance contracting

- The most cost-effective process for completing building energy upgrades
- A means to use utility savings to pay all project costs

How energy saving performance contracting works

- You select from a list of pre-qualified energy service companies (ESCO) to complete an energy audit
- The ESCO designs, installs, commissions and finances the projects you select
- The ESCO guarantees the maximum project cost and the projected energy savings
- DES energy engineers provide long-term monitoring of project savings

Guarantees

- Project cost
- Savings
- Equipment performance

Recent accomplishments

- **Saving 11 million gallons of water:** The first large-scale water-conservation project on the Capitol Campus reduced water consumption by about 11 million gallons annually, enough to fill 275,000 bathtubs. The savings resulted mostly from installing low-flow plumbing fixtures.
-

- **Methane converted to heat:** The program worked with Lacey, Olympia, Tumwater and Thurston County to capture methane gas produced during the wastewater treatment process to produce heat for the new building that houses the Hands On Children's Museum.
- **Composting saves resources:** A composting effort on the Capitol Campus has already prevented more than 200 tons of waste from going to landfills. Scraps and other material are sent to a commercial composting facility. The project is a partnership of LeMay, Inc., the garbage hauling company, Silver Springs Organic, Thurston County Solid Waste program and DES.

Current Projects

Energy efficiency grants for schools could create up to 300 jobs

The Energy Program is working with 38 school districts that received grant approval from the Office of Superintendent of Public Instruction. The projects will provide an estimated \$1 million in utility savings and create 200 to 300 jobs.

LOTT project savings projected at \$45,000

Plans are underway to start the second phase for the (Lacey, Olympia, Tumwater, Thurston County wastewater) LOTT Alliance to install a new high-efficiency 300 horsepower radial blower system. This new blower will become the primary unit serving up to 95 percent of the Budd Inlet Treatment Plant aeration system needs. Utility incentives are expected to be more \$315,000. Cost savings will be \$45,000.

Central Kitsap School District saves \$1 million on costs

Puget Sound Energy presented a check to the School Board in the amount of \$76,000 to replace lighting systems and upgrade the heating, ventilating and air-conditioning systems. Since implementing its energy-conservation program in October 2001, the district has saved more than \$1 million in energy costs and has received or been approved for Puget Sound Energy grants and rebates totaling more than \$883,000.

Contact

Roger Wigfield, Energy Program Manager
(360) 407-9371

Roger.wigfield@des.wa.gov