



Project Highlight

Washington State Department of Transportation, WA



WSDOT Completes Efficiency Project to Save Money and Reduce Carbon Footprint

Technology Type:

Energy Efficiency | Energy Savings Performance

Contract | Guaranteed Energy Savings |

HVAC Retrofit | Lighting Upgrades and Controls |

Water System Upgrades

Facility Size

167 sites
(over 800 buildings)

Energy Project Size

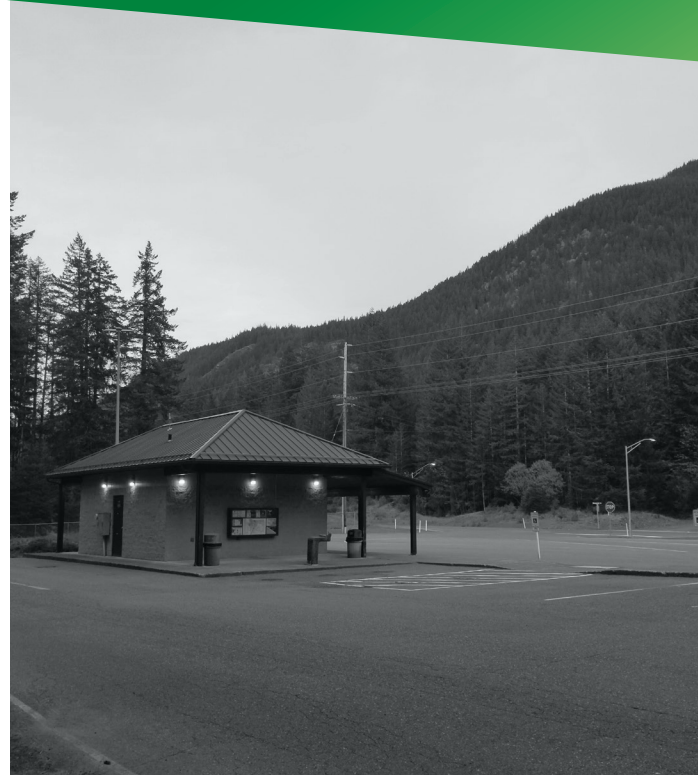
\$12,000,000

Annual Energy Savings

\$1,000,000

CO₂ Reduction

4,876 metric tons



Summary

Following a successful pilot project for the Washington State Department of Transportation (WSDOT) to complete LED retrofits of roadway lighting, Ameresco was retained to complete an energy audit of all WSDOT facilities statewide. The audit and subsequent improvement project covered nearly 170 sites and over 800 individual structures, identifying energy efficiency upgrade opportunities including retrofit of plumbing fixtures, LED lighting, HVAC systems, controls and building envelope improvements.



Solution

To develop the project, a comprehensive energy audit was completed at locations spanning the entire state of Washington. The challenge of collecting and managing facilities data across so many buildings was easily handled by utilizing Ameresco's proprietary AssetPlanner cloud-based application: only the upgrades determined to meet the agency's cost effectiveness requirements were included in the subsequent Energy Savings Performance Contract (ESPC) project for implementation across their entire portfolio. The project improved facilities of all types including regional headquarters, maintenance facilities, rest areas, and other small operations sites.

- Communicating programmable thermostats with occupancy sensors
- LED lighting and occupancy sensors
- Low-flow plumbing fixtures
- Building envelope upgrades



“**The Ameresco team was strategic and timely in auditing and assessing hundreds of facilities across the state, creating a useful database of detailed information. The cost-effective and turnkey delivery of the project encouraged us to change order additional scope at two of our regional maintenance facilities and to introduce our Ferries division to the Ameresco team.**”

*Steve Holloway
Operations and Inventory Manager –
Capital Facilities Office, WSDOT*



Benefits

These public facilities are now equipped with low-flow faucets and toilets and new LED lights, as well as occupancy sensors for lighting and HVAC systems. The project significantly reduces utility and operational costs, and the performance of these systems is guaranteed by Ameresco.

- Qualified incentives from multiple utilities totaling over \$1,000,000
- Awarded a Washington Department of Commerce grant for \$350,000
- Annual utility savings of nearly \$1,000,000

Ameresco's team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

