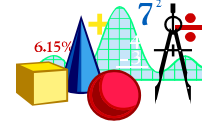


Department of General Administration
Division of Engineering and Architectural Services

Energy Project Case Study



Facility: **CITY OF KENT** Project completed April 2004

Project Description: A detailed Energy Audit was done of all 17 buildings owned by the City of Kent. This resulted in 37 separate energy measures which had a simple payback of 4.92 years. Work included a new chiller and boiler for the city hall, recommissioning of the HVAC and a controls upgrade in the Centennial Center, a new HVAC system and LED informational sign at the Commons, mechanical measures in six other buildings, and new lighting in all buildings.

Project Savings: Annual Electrical Savings: 2,513,280 kWh
Annual Savings: \$157,000
Annual Natural Gas Savings: -23,200 Therms

Project Benefits: In addition to energy savings, the City now has vastly improved HVAC and lighting systems and a new LED information sign.

Environmental Benefits: Reduction in CO₂ of 2,185,774 pounds per year

Energy Company: Puget Sound Energy

Project Cost: \$1,467,068
Loan Amount: \$1,239,174
Utility Grant: \$ 227,894

Project Managers:
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Visit our web site at <http://www.ga.wa.gov/EAS/epc/espc.htm>