Facility: **Kitsap County Administration Complex**  
**Courthouse, Jail and Public Works Buildings**  
Project completed June 1, 2000

Project Description: Located at Port Orchard, Washington, this project focused on physical plant upgrades in several County facilities. This included: replacing two aging boilers with high efficiency units; replacing two multi-zone rooftop air handlers with triple deck units; and, replacing numerous air handlers having electric coils with new water coil units supplied from the new boiler. Other work included segregating a telecommunication room from the central air handler and installation of a dedicated air conditioner. Enhanced HVAC controls were installed in all of the facilities. There was a retrofit of fluorescent lights with T8 lamps and electronic ballast, replacement of incandescent fixtures with compact fluorescent and upgrading of exit signs to LED units.

Project Savings:

- **Annual Electrical Savings:** 2,028,350kWh $107,683
- **Annual kW Demand Savings:** 5,244 kW $10,400
- **Annual Natural Gas Savings:** 20,846 Therms $10,966
- **Total Annual Avoided Cost:** $129,049

Environmental Benefits:

- Reduction in CO₂ of 3,378,480 pounds per year
- Reduction in SO₂ of 15 pounds per year
- Reduction in NOx of 3,017 pounds per year

Energy Company: Puget Sound Energy

Project Cost: $1,231,744

Funding Sources:

- **State Treasurer Loan** Amount: $1,181,744
- **Puget Sound Energy Grant** Amount: $50,000

Project Managers:

- Walter Heil, Facility Manager, Kitsap County (360) 337-7189
- Roger Wigfield, P.E., Energy Engineer, Dept. of General Administration (360) 902-7198
- Art Vertner, Abacus Engineered Systems (206) 583-0200

For more information please contact: Karen Purtee (360) 902-7194 or email kpurtee@ga.wa.gov

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