FLUKE CORPORATION in Everett is the world leader in manufacturing, distribution and servicing of electronic test tools and software. From industrial electronic installation, maintenance and service, to precision measurement and quality control, Fluke tools help keep business and industry around the globe up and running.

For more than a decade, Fluke has been working with the PUD to implement conservation strategies at its 500,000-sq.-ft. headquarters. The projects at Fluke have produced significant energy savings, reduced operating expenses and improved comfort and overall lighting quality at its facility.

The Fluke facilities engineering team managed the installation of a comprehensive lighting project that included upgrading 4,800 T-12 fluorescent fixtures to energy-efficient T-8 fluorescent fixtures with reduced-light-output ballasts. Fluke invested about $90,000 for the lighting project while the PUD contributed nearly $200,000 in incentives to accomplish the upgrades. The project reduced the connected load of the lighting system by 273 kW, resulting in an annual savings of 1.5 million kWh per year ($104,000). In addition, the new lighting system improved lighting quality and uniformity throughout the building.

Fluke engineers also replaced an oversized cooling tower with a smaller, more efficient one, modified a 600-ton condenser water loop and installed variable speed drives on the existing pumps to reduce flow under low load conditions. Savings of 135,000 kWh per year ($8,900) is anticipated from the new cooling tower and variable frequency drives (VFDs) on the system. To accomplish this project, Fluke invested about $73,000, while the PUD provided about $23,000 in incentives. The project is expected to save 135,000 kWh per year ($8,900).