CUSTOMER PROFILE: Esterline Korry

Cost Savings: >$60,000/yr. (815,000 kWh)

ESTERLINE CONTROL SYSTEMS is an international leader in the engineering and manufacture of human-machine interface technology. The 216,000-s.f. Esterline Korry facility, which opened at Paine Field in 2009, manufactures a range of aerospace parts including switches, indicators, displays and controls. These products can be found in most military and commercial aircraft cockpits, including the Boeing 787 Dreamliner.

The PUD and Esterline Korry partnered on a collection of energy-efficiency measures early in the construction process to maximize savings. The new building also incorporates many lean and green design features, including redevelopment of a contaminated site, reduced water use through native landscaping, low-emitting building materials and on-site re-use of demolition waste.

A range of state-of-the-art measures include:

- **Evaporative Cooling for Manufacturing Areas** – Esterline Korry’s facility is the first time this advanced technology has been used to cool work areas and equipment in a newly constructed Snohomish County manufacturing facility.

- **Lighting/Day Lighting** – Day light from skylights complements high-performance energy-efficient lighting and lighting controls in the facility.

- **High-Efficiency Heat Pumps** – This equipment, along with air conditioning equipment, has been designed well above energy code requirements.

- **Advanced Compressed Air System** – Reduces operational run times and energy use through the use of state-of-the-art equipment with variable speed drives, higher efficient dryers and optimum sized air storage tanks.

Esterline Korry received certification for the facility under the LEED (Leadership in Energy and Environmental Design) program. It’s the largest manufacturing facility in Washington state with LEED certification.

“Our Snohomish County manufacturing facility was built with energy efficiency in mind. PUD staff worked with our project team to meet design, energy and construction targets. They did a phenomenal job. The new facility will deliver cost-savings and environmental benefits for many years to come.”

David Rhoden
Esterline Korry’s Project Director