Customer Profile: ACRO Machining

Cost Savings: $19,089/yr.  
Payback: 2 years  (ROI = 50%)

ACRO MACHINING in Arlington serves the aerospace industry and other businesses with a range of precision part and component-matching services. In 2006, the company focused its attention on cutting operating costs through energy-efficiency improvements.

Working with PUD energy engineers, Acro made improvements to its existing facility’s compressed air and lighting systems. The changes cut energy bills by more than 35% over a 12-month period, saving about $19,100 in expenses annually.

Building on this success, ACRO approached the PUD to help assess energy-efficiency opportunities in its planned expansion. ACRO worked closely with the PUD to design and implement energy-saving measures in the new facility’s lighting and compressed air systems.

- **Compressed Air**: The initial compressed air system was upgraded to a variable speed drive air compressor, a refrigerated cycling air dryer and an air storage/receiver, resulting in 40% better energy performance than the standard system.

- **Lighting**: The building lighting system design was changed so that the energy-efficiency performance improvement exceeded Washington Non-Residential Energy Code requirements by 37%.

The improvements deliver annual estimated energy savings of $3,100. The PUD paid a total incentive of $6,337 to support the improvements.

To find out how PUD energy professionals can assist you in identifying and managing your next energy project, please contact us today.

“We’ve been very pleased by the success of our energy-efficiency projects with the PUD. The utility has more than met our needs, both in our new and existing facilities.”

Jim Castano  
Facilities Manager, ACRO Machining