

EDISON COMMUNITY COLLEGE

1973 Edison Drive
Piqua, OH 45356

Project Type: Long-term Facilities Management Plan focused on energy and operational savings through capital planning, equipment replacement, scheduled maintenance and system repair.



BACKGROUND:

Perfection Group performed an energy analysis and determined that Edison Community College had energy saving opportunities. The re-audit identified that the LEED Silver building was the most inefficient building on campus. A correction in the sequence of operation for this building netted \$36,000 per year in savings.

METHODS EMPLOYED:

A re-audit of previous House Bill 7 and House Bill 251 work was performed to further verify energy savings opportunities.

SOLUTION:

From that second audit by John Albrecht, P.E, CEM, we identified, implemented, retrofitted, and installed mechanical systems upgrades and building automation strategies that have dramatically reduced energy costs for the college. The mechanical upgrades included retrofitting an existing chiller with a TurboCor oil-free, magnetic bearing compressor – the latest technology and one of the first in Ohio.

Our partnership with Edison continues with a maintenance program that includes an annual utility & operational audit by a Perfection Certified Energy Manager and on-going recommendations for Energy Conservation Measures.

- ▶ Retrofit existing chiller with Turbocor Oil-free magnetic bearing compressor
- ▶ Scheduled Maintenance Program including utility & operational audit
- ▶ Developed long range capital plan to upgrade HVAC equipment.

