

SCOPE OF WORK:

Performed an ASHRAE Level II audit to help determine optimal energy conservation measures, and delivered an energy conservation plan.

Determined current chillers needed to be replaced as end of life was approaching as well as performed lighting upgrades, installed EMS system, and equipped chillers with VFD's.

Prepared and applied for incentive dollars while capturing a comprehensive bonus incentive for bundling multiple projects together.

INCENTIVE RECEIVED:

\$114,781

of which

Chillers: \$14,813

Lighting: \$21,018

VFD's: \$10,054

EMS: \$1,165

Comp bonus: \$67,731

COST:

Gross cost of project
\$333,184

of which

Chillers: \$212,000

Lighting: \$52,544

VFD's: \$43,750

EMS: \$24,890

Net cost of project
\$218,403

ENERGY SAVINGS:



283,070 kWh
Annual reduction

of which

Chillers: 125,758 kWh

Lighting: 120,600 kWh

VFD's: 33,457 kWh

EMS: 3,883 kWh



47.05 kW
Saved

equivalent of



22,385
gallons of
gasoline saved

ROI:

4.76 years



Manufacturing
92,435 Square Feet

PROJECT DESCRIPTION:

The client replaced inefficient chillers with high efficiency chillers equipped with VFD's, lighting was upgraded to LED technology in certain locations, and the client installed an EMS system upgrade to manage the new technology.