

CASE STUDY

Hershey Medical Center

PPL Electric Utilities Business Energy Efficiency Program



Project Overview

PPL Electric Utilities provided Hershey Medical Center with \$415,699 in rebates toward a chilled water optimization project that's estimated to save 4,156,999 kWh annually.

BY THE NUMBERS

\$415,699

Rebates paid

4,156,999

Annual kWh savings

\$291,000

Estimated annual savings

3,094

CO₂ emissions reduction

The opportunity

After earning over \$1.4 million in PPL rebates from a previous energy efficiency project, Penn State's Hershey Medical Center was looking for ways to save even more. So, when they discovered an opportunity to upgrade the chillers in their central utility plant, they reached out to PPL's Business Energy Efficiency Program to collaborate on the project.

The project

After analyzing trend data, a participating contractor installed variable frequency drives and new meters in the medical center's chiller system. To further reduce inefficiencies, they also implemented OptimumLoop®, a configurable control software designed to automatically optimize performance in real time.

The results

In addition to improving comfort and productivity on campus, the upgrades are expected to save the medical center around \$291,000 a year in energy costs. The medical center also received a \$415,699 rebate from PPL, cutting the estimated payback period to just five and a half years.

Annual savings equal to greenhouse gas emissions from:



3,644

acres of trees preserved



7,582,621

miles driven by an average passenger vehicle



927

tons of waste



662

passenger vehicles driven for one year



154

garbage trucks of waste

Source: U.S. Environmental Protection Agency

Questions?

Visit ppl electric.com/businessrebates or call us at **1-866-432-5501** to learn how your business or organization can save.

The costs of energy efficiency programs are recovered through customer rates in accordance with Pennsylvania Act 129 of 2008. PPL Electric Utilities assumes no responsibility for the performance of the equipment or equipment warranty, the quality of the work, labor and/or materials supplied, and/or the acts or omissions of any contractor.

