

REYNOLDSBURG CITY SCHOOLS:

Energy Project

Reynoldsburg, OH



FIRST YEAR
PROJECT SAVINGS

11,896,208



Miles driven by an
average passenger
vehicle

201,408



Trash bags of
waste recycled
instead of landfilled

5,799



Acres of US forest
in one year

DECARBONIZATION

Contract Amount: \$15,410,258

1st Year Guaranteed Energy
Savings: \$412,699

1st Year Actual Energy Savings:
\$736,979

Utility Incentives: \$450,018

Project Duration: 14 months

Completion Year: 2019

Digital Services Utilized:
Orchestrator
Automation Composer
Energy Master
Facility Conductor

"The system is fast, reliable, and easy to use giving us more time to focus on other pressing facilities issues. Our buildings are also substantially more comfortable all while saving more than 35% on our utility cost."

- Chris Reed, Director of
Operation & Services

PROJECT OVERVIEW

Reynoldsburg City Schools faced many challenges with their existing Building Automation System and aging HVAC equipment. To address these challenges and resolve pressing issues such as increasing Utility Bills and HVAC Maintenance Expenses, the District partnered with Veregy. Veregy designed and implemented a turn-key energy project throughout 14 buildings totaling more than 1,175,000 Square Feet. Energy Efficient HVAC upgrades were made throughout the District and Hannah Ashton Middle School received a complete HVAC Renovation including major HVAC Systems, 32 new VAV Boxes & all associated duct work & piping. As part of the project, Veregy replaced 34,000 T8 Incandescent tubes with LED. Above and beyond the utility incentives and decreased costs realized by the District, energy reduction from the LED Lighting alone equated to removing 317 houses off the grid forever. Reynoldsburg also leveraged Veregy's Automation Composer service to design and install a new, non-proprietary, IP-based, Building Automation System which included pulling over 10-Miles of Category 5 cable. The system was designed to be easy to use and focused on improving occupant comfort and energy efficiency. Based on the successful results of the Energy Conservation Project, Reynoldsburg City Schools invested in a five-year Facility Conductor service agreement which includes comprehensive HVAC Service, Preventive Maintenance, and Virtual Facility Management.

PROJECT HIGHLIGHTS

- Modern, IP-Based Building Automation System
- HVAC Upgrades Including a Complete HVAC Renovation at Hannah Ashton Middle School
- LED Lighting Interior, Exterior, & High School Stadium
- Virtual Facility Management to maintain occupant comfort
- Real Time Energy Dashboard and Electrical Demand Control