

# Huntley CSD #158 Phase 1-3

Algonquin, IL



PROJECT SAVINGS

6,267,447



Passenger vehicle  
emissions per year

863



Homes energy use  
per year

2,993



Acres of US pine  
forest sequestered  
in one year

DECARBONIZATION

Combined Project Cost:  
\$4,132,039

Guaranteed Perf. Contract

Combined Guaranteed Annual  
Savings:  
Energy: \$413,292  
Operations: \$37,972

DCEO Illinois Energy Now  
Grants: \$713,719

Savings from Energy Cons.  
Bonds: \$177,000

Term: 10 or 20 Year Term

Contact:  
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Algonquin, IL 60102

"Working together with Veregy,  
Huntley CSD 158 is implementing  
leading-edge green technologies  
that will result in reduced energy  
and maintenance expenses."

Doug Renkosik, Operations and  
Maintenance Director

## PROJECT OVERVIEW

Facing rising energy costs and aging systems, Huntley District 158 sought out fiscal options for upgrading the comfort of their facilities and cutting energy use. Veregy enabled the District to leverage a financing mechanism called Energy Saving Performance Contracting (ESPC) to pay for the improvements via energy and operational savings. In Phase 1 Veregy engineered, designed, and implemented these energy conservation measures:

- Lighting Upgrades and Occupancy Sensors
- Temperature Control Building Automation System
- Variable Frequency Drive Implementation

The first year energy audit savings were \$347,943 which exceeded the guarantee by over 9%. These savings, plus another \$36,373 in operating costs, were used to pay for the cost of the project. Phase 2 continued with energy saving measures including school wide LED lighting upgrades and kitchen hood controls at eight schools.

Huntley CSD 158 purchased four EV school buses. Veregy managed the installation of EV charging stations and the installation of a 432 module, ground mounted solar array to charge the EV buses.



Huntley D158 was recognized as a 2022-23 **Illinois Green Ribbon School** by the Illinois State Board of Education. Veregy has been a sustainability partner of Huntley D158 for over 12 years with several energy efficient infrastructure projects, including charging stations for EV buses and solar.