

Teay's Valley YMCA



OVERVIEW

Teay's Valley YMCA of Scott Depot, West Virginia was seeking to substantially increase illumination throughout their facility, particularly in the multipurpose gymnasium, indoor swimming pool, and fitness center. Additionally, the YMCA staff had substantial security concerns pertaining to the parking lots and areas immediately surrounding the building and exterior premise. Facing the normal financial challenges faced by non-profit organizations, the YMCA needed an innovative approach to financing this improvement project. Helios Energy was able to provide a turn-key solution that exceed all illumination and security concerns and provided funding enabling the organization to generate immediate savings on overall monthly utility and lighting expense.

CHALLENGE

- Cut lighting maintenance expense by 50%
- Reduce energy consumption by 60%
- Increase delivered Foot Candles throughout facility



SOLUTION

- Replaced high wattage, high heat metal halide parking lot, gym, pool and sport courts lights with LED fixtures
- Replaced high wattage fluorescent troffers with premium architectural retrofit
- Added premium LED flat panels to entrance and reception area
- Added remote switching for workout facilities

RESULT

- Maintenance expense for lighting reduced by 95%
- Lighting energy consumption reduced by 75%
- Met and exceeded IES illumination Standards
- Illumination in fitness center increase of 100%
- Illumination increase in parking lot of greater than 300%

The Helios Energy Impact

Patron satisfaction substantially increased!

10-year energy savings –
\$97,800

10-year maintenance savings –
\$51,750

Total monthly savings –
\$2,061.3

Total 10-year savings –
\$247,360

320,994 lbs. reduction in CO2 per year! Equivalent to removing **31.1** cars from the road per year, or not burning **16,372.5** gallons of gas per year!