



The Club Sport & Health

Project Location: Monroeville, PA

Case Study # 205

Project Summary:

- George R. Smalley Company performed an interior and exterior LED lighting retrofit project at the location reducing the overall KWH consumption from 1,730,708 KWH annually to 429,094 KWH annually, saving the client an astounding 1,301,614 KWH annually. This translates to ~ \$91,112.98 in saved electrical costs annually.
- The client also received a rebate from Duquesne light in excess of \$35,000.00
- The new lighting that was installed has estimated life values of a minimum of 50,000 hours to 150,000 life hours with little to no maintenance required, thus further saving the client's capital dollars.
- This project was completed through the Constellation Energy Efficiency Made Easy program. In this program the following benefits were reaped by the client.
- The project was completed with zero dollars out of pocket from the client.
- The project will be paid for directly on the client's electric bill.

- The savings from the project exceed the amount of the payback line item on the electric bill, so the client will be cash positive during the payback period.
- The payback period is 48 months, so after that time frame the client will reap all of the electrical savings benefit.

Project Results:

- Project cost - \$408,000.00
- Rebates from First Energy \$ 35,000.00
- Annual KWH Reduction 1,301,614 KWH
- Annual maintenance & electric savings \$ 91,112.00
- Pay back in years = 4.09
- Pre – Tax ROI = 24%