

Case Study for:  
**Central Catholic High School**  
Lawrence, Massachusetts



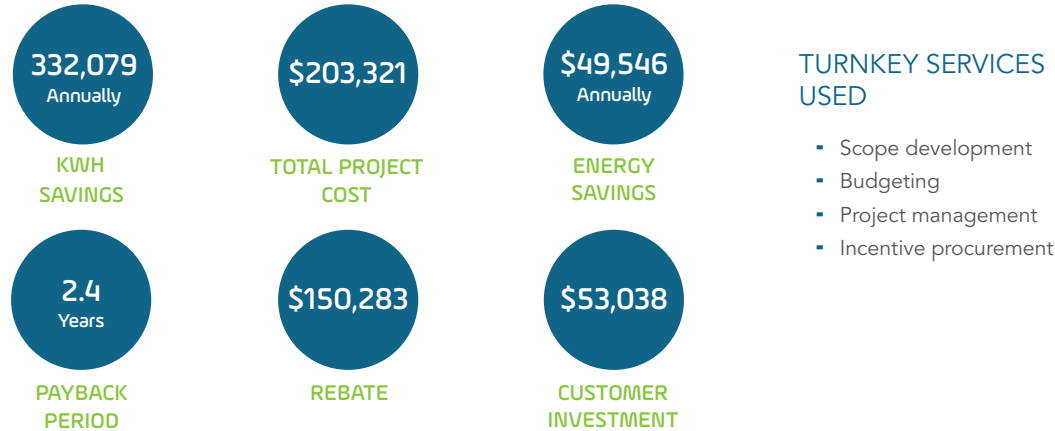
Case Study:  
**Central Catholic High School**

## Case Study: Central Catholic High School



“Working together with Energy Source on this project has been a great value for Central Catholic. The new lighting provides a clean, consistent look throughout our three buildings. The buildings just look so much better. Additionally, we are able to demonstrate commitment to energy conservation, environmental responsibility and cost management to our students, their families and our community.”

-Steve Welsh, Director of Buildings and Grounds



### OPPORTUNITY

Central Catholic High School, a college preparatory school, located in Lawrence, Massachusetts sought to increase levels of efficiency in their antiquated lighting system. The 150,000 sq. foot campus has 3 connecting buildings encompassing classrooms, art centers, laboratories, a gymnasium, cafeteria, theater, and other secondary spaces. The schools existing lighting solution was inefficient and expensive to operate. With a significant opportunity to cut utility costs and save on energy consumption, Central Catholic High School was looking to partner with a solutions provider who could offer turnkey services and assist with various aspects of the program.

### SOLUTION

Central Catholic High School connected with Energy Source in Providence, Rhode Island to provide comprehensive turnkey energy solutions. The energy savings plan included a retrofit of the existing fluorescent lamps to new LED technology. As a result, the light levels were consistent throughout all 3 buildings making the space feel brighter and cleaner. The installation of LED lighting significantly reduced Central Catholic’s carbon footprint and allowed the school to save over 300,000 kWh annually. The financial benefits of this project were generous, as Central Catholic received an incentive of \$150,238 from National Grid that allowed a simple payback of just under 2.5 years.

