

Case Study for:

Amica Mutual Insurance Company

Providence, Rhode Island



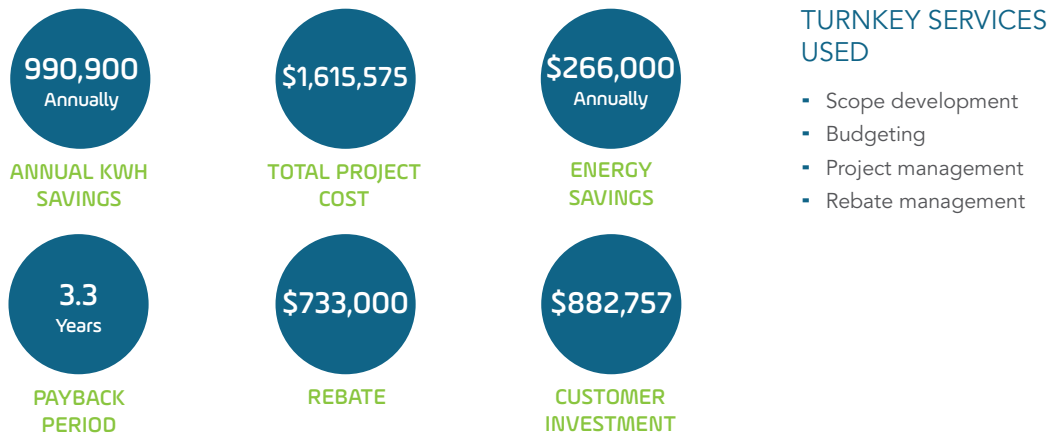
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“Energy Source, assisted with critical project requirements including scope development, budgeting, incentive procurement and project management, to expedite our process, completing the project in less than three months. Our LED lighting and control solutions retrofit will reduce operating expenses while increasing light quality to improve employee comfort, health, and well-being.”

- Amica Mutual Insurance Company



OPPORTUNITY

Amica a National Insurance Company, headquartered in Lincoln, Rhode Island, was looking for a way to control energy costs in four corporate office buildings through a more efficient lighting solution. Amica's existing campus, totaling over 800,000 sq. feet, lacked comprehensive management systems to control and optimize lighting energy use. Lights were continually left on due to manual control and often turned off by either cleaning crews or security during non-business hours. Total project cost and ROI were key considerations by Amica, seeking to utilize local utility incentives from National Grid to address this. To pursue this project, Amica was looking to partner with a solution provider who could offer a turnkey solution, to assist and manage the various phases of project development and implementation.

SOLUTION

Energy Source, based in Providence, Rhode Island connected with Amica to provide comprehensive turnkey energy solutions. This was accomplished by installing LED lighting, control systems, and an energy management system throughout the facility; including offices, corridors, conference rooms, and other secondary spaces. Energy Source assisted with various aspects of the program development, including scope development, rebate and project management, and budgeting. In less than 3 months the project was completed with an extensive retrofit program replacing existing T8 fluorescent fixtures with LED fixtures and reducing fixture lighting energy use by 35%. To enhance project savings even further, Energy Source integrated smart controls through a customized energy management system which regulated lighting use based on occupancy and vacancy sensing, daylight harvesting, task tuning, and time of day control, increasing lighting efficiency by an additional 20%. As a result, Energy Source was able to deliver annual energy savings of \$266k. Working with the local utility, National Grid, Energy Source received about \$733k in utility incentives, reducing project costs by 45% to achieve a payback of only 3 years.

