

CASE STUDY

JOHNSON CITY EXEMPLIFIES ENVIRONMENTAL STEWARDSHIP FACILITY MODERNIZATIONS THROUGHOUT CITY AND SCHOOL DISTRICT

THE CITY OF JOHNSON CITY & SCHOOL DISTRICT JOHNSON CITY, TENNESSEE



“This partnership with ESG allows the City to continue to be the leader in our state when it comes to environmental stewardship. It is important to note that this is a sound economic decision as well. The savings from waste and energy reduction will more than pay for implementation.”

Pete Peterson,
City Manager

**ANNUAL ENERGY
SAVINGS OVER
\$730,000**

**ANNUAL MAINTENANCE
SAVINGS OVER
\$112,000**

ABOUT ENERGY SYSTEMS GROUP

ESG is an award-winning energy services company that provides its customers with innovative energy efficiency, technology, and long-term financing solutions for modernization of their facilities and energy infrastructure.

PROJECT BACKGROUND

The City of Johnson City selected Energy Systems Group (ESG) to complete city-wide facility modernizations and energy conservation measures for 12 schools and 32 city buildings. This project is a combined effort between the City of Johnson City and Johnson City Schools and is projected to result in energy savings of 24% for city facilities and 30% for school facilities.

This project marks the second green energy partnership between ESG and the City of Johnson City. ESG has designed, built and currently operates the award-winning Iris Glen Landfill Gas to Energy Facility in partnership with the City of Johnson City.

Environmental Benefits:

In addition to providing the City and School System with over \$730,000 in annual energy savings, ESG is helping provide environmental benefits equivalent to the following:

- Removal of emissions equivalent to over 1,900 cars annually, or
- Planting over 3,500 acres of forest annually, or
- Conserving enough energy to power more than 1,300 homes annually

STRATEGIES & SOLUTIONS

Energy Systems Group will provide extensive energy efficient upgrades which include:

- High Efficiency Lighting Upgrades
- HVAC System Upgrades/ Replacements
- Energy Management Controls
- Water Conservation Upgrades
- Window Replacements/ Insulation Upgrades
- Kitchen Equipment Upgrades
- Energy Use Tracking/ Analysis

Key Project Benefits:

- \$10.8M of Needed Facility Upgrades Completed with Existing Budget Dollars
- Substantial Energy Cost Saving
- Substantial Environmental Benefits
- Improved Learning/ Work Environment
- Positive Impact on the Local Economy
- Leadership in Environmental Stewardship



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Building Performance with Energy

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