

WEST WARWICK REGIONAL WASTEWATER TREATMENT PLANT

The West Warwick Regional Wastewater Treatment Plant is a 10.5 million gallon per day facility owned and operated by the Town of West Warwick. Its mission is to provide residents of West Warwick and neighboring communities with the most efficient and cost-effective services while maintaining the strictest standards of environmental awareness and conservation.

In its capacity as a National Grid Project Expeditor, RISE Engineering conducted a no-cost energy assessment of the plant to identify recommended energy efficiency measures, which included upgrading 725 interior and exterior lighting fixtures and lamps. RISE managed the product acquisition and installation processes, and coordinated with National Grid to leverage the utility's financial incentives.

WHAT YOU CAN DO

The Need

- Decrease energy consumption
- Reduce electric and maintenance costs
- Improve the lighting quality and working environment

The Solution

- Replaced recessed fluorescent lighting fixtures in the administrative and operations buildings with LED fixtures containing built-in daylight dimming controls
- Replaced high-pressure sodium high bay fixtures in the sludge processing building with LED fixtures
- Removed metal halide lamps from existing explosion-proof fixtures in the headworks building and replaced with LED lamps
- Retrofit vapor-proof fluorescent fixtures with LED kits in the biological air filter building
- Upgraded all exterior roadway and building light fixtures to LED

The Outcome

- Brighter, safer working environment
- Significantly reduced energy costs
- Lower maintenance costs
- Client contact referred RISE to other wastewater facilities

OVERALL RESULTS

Total Project Cost	\$235,785
Utility Incentives	-\$38,990
Customer Cost.....	\$196,795
Annual kWh Saved	240,610
Annual Energy \$ Saved.....	\$38,498
Annual Maintenance \$ Saved.....	\$7,250



TAKE ACTION AND SEE THE DIFFERENCE.

RISE's energy-efficiency experts can evaluate the benefits of replacing your current boiler room equipment with updated units. We can present you with a proposal that outlines the investment, the savings, and the incentives available from utilities and other program sponsors that can help reduce your out-of-pocket cost.

If you choose to proceed, licensed professionals will install premium efficiency equipment with minimal disruption to your operations. RISE will guarantee all work and follow up to make sure you are completely satisfied.

