

NEW WATER LIGHTING AND GEAR

R2E2 Solids Handling Facility Project

NEW WATER - GREEN BAY METROPOLITAN SEWERAGE DISTRICT

NEW Water, brand of the Green Bay Metropolitan Sewerage District, launched a new solids handling facility project called the Resource Recovery and Electrical Energy generation system, or R2E2.

The NEW Water project provides the safe collection, treatment, and reclamation of nearly 38 million gallons of wastewater each day.

Problem

An aging infrastructure was the main reason for replacing the solids handling system. Both incinerators were operating at over 90% of their daily capacity. The new facility will allow NEW Water to provide safe, reliable service for generations and comply with stricter federal environmental standards.

Solutions

- Werner Electric's history and reputation with managing large projects weighed deeply in the customer's decision to choose Werner Electric Supply
- Collaborated with Eaton and Faith Technologies to work through lighting and gear specifications
- Ordered all lighting fixtures and gear for the project
- Dedicated project management team assured project timeline was met
- Staged the project: received in merchandise, checked for damage, marked boxes with fixture type and contents, delivered onsite to specified areas
- Established timed releases and responded quickly to multiple, same day change orders
- Received positive feedback from Project Managers for this 30 month long project

Results

During Green Bay Metropolitan Sewerage District's first year of operation:

- NEW Water's energy costs reduced by 50% resulting in \$2 million in savings
- Greenhouse gas emissions reduced by 50%, through captured methane gas used to produce electricity
- \$400,000 in new revenue from commercial sale of fertilizer byproduct
- NEW Water can now accept new wastes such as dairy, sugar, and food processing waste

PROJECT OVERVIEW

Total Capital Cost:

Approximately \$269 million

Werner Electric Supply Gear and Lighting Project cost:

\$1.5 million

