Premium-Efficiency Motors Program

Seneca Niagara Casino Realizes Significant Energy Savings

United Richter Electric Motors and John W. Danforth Co. Help Seneca Niagara Casino Realize Significant Energy Savings

Niagara Falls, New York

"At one point, we had 35 service technicians working on just retrofitting the existing equipment, the most I can remember for one project,"

Jack Betz, Vice President
John W. Danforth Co.

Background

In 2002 John W. Danforth Co. of Western New York was the subcontractor selected to upgrade the HVAC and sprinkler systems as part of a project to transform the "old" Niagara Falls Convention Center into the "new" Seneca Niagara Casino. Danforth requested United Richter Electric Motors of Buffalo to provide the motors needed to complete the project.

Recommendation

With less than three month before the scheduled opening, United Richter and Danforth convinced the management of the Seneca Niagara Casino to upgrade the replacement motors to NEMA Premium™ efficiency levels. Casino management was informed of incentives available through **New York Energy $mart℠** Smart Equipment Choices Program, administered by the New York State Energy Research and Development Authority (NYSERDA), and these incentives proved instrumental in the decision to use premium-efficiency motors.

Incentives and Results

As a result, United Richter delivered 47 U.S. Electric brand NEMA Premium™ Efficiency motors and Danforth completed the project with time to spare. Their combined efforts, and an incentive of **$4,135** provided to the Seneca Niagara Casino by NYSERDA, allows the casino to save more than $28,000 a year in electric costs. This translates to more than $280,000 in savings over the 10-year average life expectancy of premium-efficiency motors. Using a blended electric utility cost that the casino prefers to keep confidential, and efficiencies from published tables for the 47 standard efficiency or older motors removed, the Seneca Niagara Casino realized an average payback of less than 10 months.

NYSERDA

For more information about these services, contact NYSERDA
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