



Encorp Automatic Transfer Switch Ensures Reliable Power and Cost



NOBEL/SYSCO, the Rocky Mountain region's largest food-service distributor, wanted to ensure that the production of its 17,000 items – from frozen foods to gourmet items – continued round-the-clock at its 430,000-square-foot facility in Denver. Even a brief power outage would have a resounding impact on the 24-hour operation – orders might not be filled for the 7,000+ restaurants, hotels, schools, hospitals and other firms this \$350-million company serves.

Safety Net. NOBEL/SYSCO needed a safety net to ensure power reliability, so the company installed two Cummins/Onan generator sets: a 750kW DFHA and a 1500kW DFLE – supplied by Cummins Rocky Mountain – to provide back-up power in the event of a power outage. However, after talking to representatives at Xcel Energy, the local utility, NOBEL/SYSCO learned about the substantial cost savings possible through the utility's curtailable-rate program.

This innovative program allows Xcel Energy to periodically ask NOBEL/SYSCO to turn on its back-up generators and use power only from the generators – not the utility – during times of peak energy use. The program is a win-win for NOBEL/SYSCO and Xcel: NOBEL/SYSCO can reduce its utility bill thousands of dollars each month (up to a 12 percent reduction each month) and Xcel can ensure it has an additional 2 MW of electricity available to serve customers during peak times.

Enter Encorp. To participate in the curtailable-rate program, however, NOBEL/SYSCO needed additional equipment to ensure a seamless transition from utility power to generator power. The company contracted with Encorp, Inc., to supply two automatic transfer switches (Encorp Power ATS 4000), which instantaneously transfer NOBEL/SYSCO's facility loads of 1,200 and 2,500 amps to the generators, and two Encorp Utility Power Controls™, which provide safe, reliable transfer of

power between each generator and the utility grid. The Encorp equipment also ensures seamless transitions of power when it's time for NOBEL/SYSCO to return to utility power.

The technology neutral Encorp equipment easily interfaces with an Andover Control system already in place at NOBEL/SYSCO. The Andover Control system is a complete building-automation system that monitors security, lighting and other electrical services on site.

Encorp Products

Encorp Power Automatic Transfer Switch product line features the ATS 400, ATS 1200 and ATS 4000. The ATS 4000 can transfer loads from 800-4000 amps and features a "breaker-based" design for lower system cost and complexity. The ATS product line also utilizes digital control technology for added system flexibility and functionality.

Encorp Power Utility Power Control™ provides safe, reliable transfer of power between a generator set and the utility grid.

The Outcome. With the Encorp equipment, NOBEL/SYSCO expects a quick return on investment thanks to the substantial energy savings. In addition, company officials are assured of reliable power to meet the company's demanding round-the-clock production schedule.