Case Study:
Wastewater Treatment Plant
Glasgow, Montana, USA
Communities rely on continuous wastewater treatment for essential sanitation. Surrounding ecosystems rely on continuous wastewater treatment to avoid environmental harm. Those needs are always mission-critical regardless of treatment plant size or location.

THE SITUATION

The City of Glasgow is home to approximately 3,000 people along the Milk River that plays an important economic role in the surrounding agriculture in the northeastern Montana prairie. With temperatures ranging from less than -20°F (-29°C) in winter to more than 100°F (38°C) in summer, the conditions can be tough on facilities and equipment. Because Glasgow is located more than 4½ hours from any metropolitan center of 75,000 or more people, reliability and self-reliance are paramount. So when it was time for system Improvements, engineers turned to ASCO Power Technologies for wastewater backup power.

In addition, wastewater facility loads involve many motor-driven pumps. Transferring these loads between power sources can result in high inrush currents that, if unmitigated, can trip circuit breakers and damage equipment.
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SOLUTION

ASCO assisted by providing specification development support to the consulting engineer, Morrison Maierle in Helena, Montana. After a competitor failed to provide needed documentation, ASCO provided approval drawings for its own solution on the same day they were requested. The project was subsequently constructed and came online in 2020.

The ASCO solution included a rugged, standalone, 800-Amp SERIES 300 Service Entrance Automatic Transfer Switch as well as a second transfer switch that would be integrated into a low voltage switchboard from Schneider Electric. Developed from more than a century of backup power experience, ASCO’s transfer switches are easy to select, procure, operate, and own. ASCO’s renowned maintenance and repair services and an extended warranty for these devices assured end-users of the rugged reliability needed for continuous power, even during outages brought by a remote winter storm.

THE OUTCOME

“Rugged is what ASCO does everyday,” says Justin Facente, ASCO’s Area Sales Manager for the Rocky Mountain Region. “For this project, ASCO was glad to assist from project inception through specification, procurement, and installation. For all of its advanced capabilities, this was off-the-shelf UL-listed equipment that we can deliver to anyone quickly. And the plant can rely on ASCO Services for any support they’ll need, even in their remote location.”

The reliability of even the smallest and most remote wastewater treatment facilities is mission-critical to the communities and ecosystems that rely on them. With technology, support, and service developed from more than a century of ASCO critical power experience, the City of Glasgow’s Wastewater Treatment Plant should enjoy high power reliability, availability, and peace of mind for years to come.