

SWITCHYARD CONSTRUCTION

RENAISSANCE GENERATING STATION
CARSON CITY, MI

DESCRIPTION

Greenfield construction of a four-breaker ring bus configuration, 345 kV switchyard.

SERVICES PROVIDED

NAES Power Contractors was responsible for all labor, site management, documentation, and materials for new construction of the Renaissance Generating Station Switchyard. The work was completed under an engineering, procurement and construction (EPC) contract.

The switchyard feeds the combined output of 640 MW from combustion turbines at the Renaissance Generating Station into the local transition system at 345 kV. The Renaissance Switchyard is interconnected to the Michigan Electric Transmission Company 345 kV transmission system at a single position on the collector bus. The switchyard is designed to accommodate the addition of a fifth generating unit. NAES Power Contractors completed the project on schedule and under budget in February 2002.

- Constructed foundation, structural steel and grounding system
- Installed GSU transformers, switchgear and fencing
- Installed conduit, cables and terminations



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