

SWITCHYARD CONSTRUCTION

BLUEGRASS GENERATING PLANT
LAGRANGE, KY



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 Bluegrass Generating Plant Switchyard. The work was completed under an engineering, procurement and construction (EPC) contract.

The switchyard feeds the combined output of 500 MW from three combustion turbines at the Bluegrass Generating Station into the local transmission system at 345 kV. The switchyard is interconnected to the Louisville Gas & Electric 345 kV transmission system at two separate positions on the ring bus. The ring bus can be sectionalized, and the interconnections can be isolated through the flexible use of the motor-operated air-break circuit switches and breakers.

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

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