

UTILITY SERVICES

SUBSTATION #3 Westerville, Ohio



Owner:
City of Westerville

Total Project Cost:
\$8.5 million

Completion Date:
2009

Project Description:
Design of a new 138-69/13.2kV 180MVA interconnect substation to serve Westerville's 69kV subtransmission system and are distribution. The substation consisted of three 138kV circuit breakers for AEP's transmission line switching/protection, two 139-69/13.2kV 90MVA autotransformers, 138kV capacitor banks, 13.2kV switchgear with eight circuits, and 13.2kV voltage regulators.

The site required extensive landscaping and aesthetic treatment due to its highly visible location and required that a bike path be integrated into the design.