

Switchgear Upgrade Project Profiles



Safe, Reliable, Cost-Effective Solutions for the Electrical Power Industry.

Chelan County PUD

Rock Island Dam—Wenatchee, WA

- Replace existing station service breakers (BBC air operated with IEC design) with new draw out vacuum breakers
- Design and assemble package to replace breakers with a new draw out cradle connecting existing fixed mount inline current transformers as well as existing load cables
- Ratings: 15kV, 1200A, 63kA



Duke Energy

West End Substation—Cincinnati, OH

- Replace Westinghouse O-22 indoor oil circuit breakers with new draw out vacuum breakers
- Strip existing cells and buss new breaker cells to the original incoming and outgoing bushings
- Enclose the front of the cell with access doors and panels
- Ratings: 15kV, 3000A, 63kA

Duke Energy

Beckjord Power Plant—New Richmond, OH

- Retrofit 4160V circuit breakers in Allis Chalmers switchgear, consisting of new drawout circuit breaker, compartment and cradle assembly
- Supply engineering design, drawings including interface with existing switchgear, door design and protection design
- Supply new protective relays and new door assembly for auxiliary switchgear circuits, remote racking
- Ratings: 5kV, 1200A and 2000A, 36kA



US Army Corps of Engineers

Norfolk Hydro Dam—Arkansas

- Replace VCPW generator circuit breakers with new draw out vacuum breakers
- Provide engineering, procurement, installation, testing and commissioning



US Army Corps of Engineers

Stockton Lake—Kansas City

- Replace existing Circuit Breakers with new roll in vacuum replacement circuit breakers
- Provide engineering, procurement, installation, testing and commissioning
- Ratings: 15kV, 3000A, 50kA; 37.5kVA, 12kV-120/240V; 500kVA



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Satellite Service Center Location
Alabama

City of Hamilton/AMP Ohio

Greenup Hydro Dam—Hamilton, OH

- Retrofill existing air breakers with new draw out vacuum breakers
- Remove existing generator breakers and install new cells, breakers, custom bus work, startup and commissioning
- Provide engineering drawings including wiring diagrams and schematics
- Ratings: 15kV, 1200A, 37kA



American Electric Power

Mountaineer, Darby, Tanners Creek, Pirkey, & Clinch River Plants

- Retrofill GE AM13.8, circuit breakers with new draw out vacuum breakers
- Supply and install new circuit breakers into existing cells, allowing for remote racking system to be utilized
- Ratings: 15kV, 1200A, 37kA



Dayton Power & Light Company

Eakers Substation—Dayton, OH

- Retrofill 15kV ITE circuit breakers with new vacuum drawout breakers
- Provide new drawout breaker, cradle, new cell wiring
- Supply design engineering, design testing, procurement, installation conformance, testing and training
- Ratings: 15kV, 1200A and 2000A, 750MVA, 36kA



CFE

Various Locations—Mexico

- Retrofill circuit breakers with drawout circuit breakers, compartments and cradle assemblies
- Supply design engineering, design testing, procurement, installation conformance, testing and training
- Provide new door assemblies including new controls, and recycled protective relays and revenue meters
- Coordinate with local authorities and local labor for installation and to perform training
- Ratings: 15kV, 1200A , 500MVA, 40kA



Dayton Power & Light Company

JM Stuart Generating Station—Aberdeen, OH

- Addition of circuit breakers to feed existing motor control centers
- Supply design engineering, procurement of equipment, project management, installation, conformance testing
- Supply main circuit breaker for each MCC for qty. (4) units, NEMA 3R switchboards
- Ratings: 1200A , 65K AIC



Chelan County PUD

Rock Island Dam—Wenatchee, WA

- Replace existing Westinghouse CA air blast breakers and existing oil breaker cells previously retrofitted with Square D SF6 breakers, with new draw out vacuum breakers
- Increase 3000A units to 4000A rating, utilizing a fan package
- Provide design, documentation and oversight for Chelan County personnel to install
- Ratings: 15kV, 1200A/3000A (4000A FA), 63kA

