Switchgear Upgrade Project Profiles

Chelan County PUD
Rock Island Dam—Wenatchee, WA
- Replace exiting 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 bus 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
- Retrofill 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
Norfork 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
Switchgear Upgrade Project Profiles (continued)

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, 65kA

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