

RECENT PROJECT LIST

INDUSTRIAL PROJECTS

Anadarko Marcellus Project – Pennsylvania – (3) 11' W x 24' L Electrical Control Rooms with Variable Frequency Drive (VFD), Automatic Transfer Switch (ATS), Heat Trace, Programmable Logic Controller (PLC), Uninterruptible Power Supply (UPS) / DC System with a Transformer and Disconnect Switch mounted on an exterior porch extension.

Anadarko Bones Area Condensate Collection & Stabilization Project – Texas – (1) 10' W x 30' L Electrical Control Room with LV MCCs, 480V Starter Panels, Disconnect Switches, UPS System, Panelboards, Transformers, etc. *Purchase order to delivery date was 7 weeks.*

Aqueducts DCAI Projects - Maple River and Sheyenne River – North Dakota – (4) 10' W x 25' L Electrical Control Rooms each with UPS Systems, Heat Trace, Panelboards and Transformers.

Astoria Fuel Oil Tank Farm Conversion Project – New York – (1) 14' x 35' Electrical Control Rooms with Low Voltage (LV) Switchgear, Low Voltage (LV) Motor Control Centers (MCCs), LV VFD Panel, Uninterruptible Power Supply (UPS) / DC System, Panelboards and (2) 1000 kVA Aux Transformers.

Blue Sky Water Treatment Plant – Texas

- 21' W x 90' L Electrical Enclosure with 15kV Arc Resistant SWGR
- (2) 20' W x 60' L Electrical Enclosures with Arc Resistant LV SWGR & Arc Resistant LV MCCs, Cable Bus and Aux Transformers
- 25' W x 95' L Electrical Enclosure for owner provided MV VFD's
- Shipped Loose equipment including 15kV Arc Resistant SWGR lineup, 480V Arc Resistant SWGR lineups, Arc Resistant LV MCCs, Cable Bus and Aux Transformers

Boeing Lab Upgrade Project – California – MV SWGR, LV SWGR, MV Transformers and LV Panelboards

Bunge Dock Replacement Project – Louisiana – (1) Electrical Control Room with 15kV Medium Voltage (MV) Switches, LV Switchgear (SWGR), LV MCCs, 480V VFDs, PLC Cabinets, 2000kVA Dry Type Transformers, Panelboards, Transformers, etc.

DCP Midstream Goliad Pettus Gas Plant Building 1000 / 2000 – Texas

- 32' W x 52' L Electrical Control Room with 27kV SWGR, MV SWGR with MV MCCs, MV 1500HP VFDs, MV 1000HP VFDs, Network Cabinet, 48VDC Battery System and Battery Room, Fire Alarm System, Panelboards, Transformers, Pad Mounted Heating Ventilation and Air Conditioning (HVAC) Units and 3000 kVAR MV Power Capacitor Bank.
- 32' W x 60' L Electrical Control Room with LV 5000A LV SWGR, HRGs, LV 1200A Switchboard, LV MCCs, LV 400HP VFDs, UPS System, Panelboards, Transformers, Pad Mounted HVAC Units, 1200kVAR LV Metal- Enclosed Capacitor Bank, PLC Room with Human Machine Interface (HMI) Cabinet, Server Rack, Network Cabinets and PLC Cabinets.

WE ARE DIFFERENT FOR ALL THE RIGHT REASONS

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Drake Cement – Arizona – Electrical Enclosure (10'W x 50'L) equipment replacement project including customer furnished ABB LV MCC's, DCS System, panelboards and transformers.

Enterprise - Louisiana – Mansfield Compressor Station Project - Phase I and II each with MV Arc Resistant SWGR and 4500HP MV VFD with Bypass Transformer.

Enterprise - Mississippi – MV Arc Resistant SWGR, MV Arc Resistant MCC with Reduced Voltage Solid State (RVSS), LV MCC's, 1000HP MV VFDs, Liquid Filled Transformers and HRGs.

Enterprise - Mississippi – 10' W x 20' L Electrical Control Room with MV Arc Resistant MCC with MV 2250HP VFD Panelboards, Transformers, Fire Detection System, etc.

Enterprise / Navitas - Texas – Outdoor 27 kV Switchgear Project

ExxonMobil – Wyoming - La Barge Shute Creek 15 kV Switchgear and 5 kV MCC Upgrade Project

Florida City Gas LNG Storage Facility Project – Florida –Low Voltage MCCs, VFDs, HRGs, UPS System, Panelboards and Custom LV Tap Boxes.

Fuel Gas Density Meter Enclosure – Canada – 12' W x 15' L Explosion Proof Metering Enclosure with Density Analyzer Cabinet, Panelboards, Transformers, etc.

Kinder Morgan Doe Canyon Project – Colorado – 11' W x 21' L Electrical Control Room with (2) LV MCCs lineups with LV 60HP VFDs and LV 75HP VFDs, Panelboards, Transformers, etc.

Henry Ford Health Plant Project – Michigan – MV Switchgear, LV Switchgear, LV Switchboards and Automatic Transfer Switches.

Luminant Sandow Limestone Handling Upgrade – Texas – 10' W x 14' L Power Control Module with 150HP VFD, Remote I/O Cabinet, Auxiliary Relay Cabinet, Panelboards, Transformers, etc.

Marcellus Sienna Compressor Station Project – Ohio – 12' W x 45' L Electrical Control Room with LV SWGR, LV MCCs, LV VFDs, UPS System, PLC Cabinets, Panelboards and Transformers, etc.

Miami-Dade Clean Water Recovery Center Project – Florida – Qty 2 – 2000/2667kVA Power Transformers, LV Switchgear, LV MCC, Panelboards and UPS / DC System.

National Grid Providence Liquefaction Project – Rhode Island – 31' W x 62' L Electrical Control Room with MV SWGR, MV VFD's (13,000 HP and 3850 HP), LV SWGR, LV MCCs, DCS Cabinets, UPS and DC System, SUS Transformer (located inside the PDC), Panelboards, Transformers, etc. Ship loose NEMA 3R, Non-Walk In 35kV Outdoor SWGR.

Novozymes Switchgear Expansion Project – Nebraska – 15 kV Switchgear lineup including outage install, startup and commissioning.

ONEOK Oxygenate Removal Project – Kansas – 16' W x 36' L Electrical Control Enclosure with LV MCCs, LV VFDs, SIS Cabinets, Distributed Control System (DCS) Cabinet, Communication Cabinet, UPS, DC System, Pressurized HVAC Units, Panelboards, Transformers, etc.

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Prospect Lake Clean Water Center Project – Florida

- 25' W x 80' L MV Electrical Enclosure with 15kV SWGR, LV VFDs, PLC Cabinets and UPS Battery System
- 35' W x 55' L NFS Electrical Enclosure with LV SWBDs, LV VFDs & LV MCCs, PLC Cabinets and LV Cable Bus
- 26' W x 76' L MMF Electrical Enclosure with LV SWBDs, LV VFDs & LV MCCs, PLC Cabinets and LV Cable Bus

Statoil Aune Crude Terminal Project – North Dakota – (1) 12' W x 24' L Electrical Control Room with LV MCCs, 480V VFDs, High Resistance Ground (HRG), UPS, Panelboards, Transformers, etc.

Statoil Ross Crude Terminal Project – North Dakota – 12' W x 34' L Electrical Control Room with LV MCCs, 2000A Transfer Switch, LV 30HP VFDs, LV 250HP VFDs, HRG, UPS, Panelboards, Transformers.

Targa Badlands LM Plant - North Dakota - 28'W x 64' L Electrical Control Room with MV SWGR, MV MCC with SSRV, LV MCC's with VFDs, Standalone 600HP VFDs, UPS and DC Systems, Panelboards, Transformers, Fire Detection System, etc.

Tesoro RIE-402 SIS Project – Alaska – 10' W x 20' L Remote Instrument Enclosure with Marshaling Panels, SIS Cabinets, DCS Cabinet, Communication Cabinet, UPS, DC System and Chemical Filtration HVAC Units.

TransCanada Cushing Tank Terminal Project – Oklahoma – Electrical Control Room with MV Metal Clad Non-Arc Resistant SWGR, MV Non-Arc Resistant MCC Equipment, LV MCCs, UPS, DC Battery System, panelboards, transformers, etc.

University of Maryland NextGen Project – Maryland – MV Switchgear, LV Switchgear, LV Switchboards, Automatic Transfer Switches and Aux Transformers.

Venture Global Calcasieu Pass LNG Export Facility – Louisiana

- 36' W x 60' L Electrical Control Room with 480V 3200A SWGR, (2) 2000/2667kVA SUS transformers, (2) LV MCCs, Network Cabinet, 125VDC Battery System and Battery Room, 20kVA UPS System, Fire Alarm System, Panelboards, Transformers, FM200 Fire Suppression System, (7) Wall Mounted Heating Ventilation and Air Conditioning (HVAC) Units and (3) pressurization units.
- 42' W x 90' L Electrical Control Room (6) shipping splits with 20 Sections of 63kA, 4000A Arc Resistant Switchgear, 480V 3200A SWGR, (2) 2000/26667 kVA transformers, 125VDC Battery System, 20kVA UPS System, Panelboards, Transformers, (8) HVAC Units, DCS Cabinets, Network Cabinets and FM200 Fire Suppression System.

W.A. Parish NRG Carbon Capture Project – Texas – 26' W x 54' L Electrical Control Room with MV Arc Resistant SWGR, LV Arc Resistant SWGR, DCS Cabinets, Network Cabinet and MV Cable Bus.

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Westlake Chemical Boiler Upgrade Project – West Virginia – 22' W x 30' L Electrical Control Room with MV Arc Resistant MCCs, LV MCCs, 480V VFDs, UPS, DC Systems, ATS, Panelboards and Transformers, etc.

Westlake Chemical Caustic Plant Electrical Upgrade Project – West Virginia – 31' W x 66' L Electrical Control Room with MV Arc Resistant SWGR, MV Arc Resistant Motor Control, LV SWGR, LV MCCs, DCS System, FOPP, HRGs, UPS, DC Systems, ATS, Panelboards and Transformers, etc.

Williams DEO Compressor Station Project – West Virginia – 10' W x 10' L Relay Control Building with Relay Panels, DC system, Eye Wash Station, Panelboards, etc.

Williams Ignacio Y-Grade Pump Project – Colorado – 14' W x 40' L Power Control Room with MV SWGR, MV VFDs, LV MCCs, HRG, Control Panels, PLC Cabinet, Heat Trace, Panelboards, Transformers, etc.

Williams Leidy South Compressor Station Project – Pennsylvania – (1) 12'W x 62'L Electrical Control Room with LV SWGR, LV MCCs, 480V VFDs, UPS and DC System, PLC Cabinets, Panelboards and Transformers, etc.

Wink Acid Gas Treater Project – Texas – LV MCCs and Aux Transformers

Zen-Noh Port Facility Expansion Project – Louisiana – 12' W x 59' L Electrical Control Room with, MV MCCs, LV Switchboards, LV SWGR, LV MCCs, 480V VFDs, UPS, PLC Cabinets, Panelboards and Transformers.

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POWER GENERATION PROJECTS

AB Brown Power Project – Florida - 30' W x 60' L Electrical Enclosure with MV Arc Resistant SWGR, LV Arc Resistant SWGR, LV MCCs, Relay Cabinets, DCS Cabinets, UPS and DC System, Panelboards, Transformers, Bus Duct and SUS Transformers.

ACES DELTA Hydrogen Project – Utah

- 25'W x 138'L Electrical enclosure (6 piece) including Gas Insulated 38kV Switchgear, 15kV MV Switchgear, 5kV MV Switchgear, 480V LV Switchgear, LV MCC, Relay panels, panelboards, transformers, UPS System, DCS and communication panels.
- 480V LV MCC Electrical enclosure including panelboards, transformers, UPS system and communications panels.

Basin Electric Lonesome Creek Generation Station Project – North Dakota

(6) 30' W x 60' L Electrical Control Rooms with MV Arc Resistant Generator Rated SWGR, LV Arc Resistant SWGR, LV Arc Resistant MCCs, VFDs, ATS, UPS System, DC System, DC Starter, DCS Cabinets, Relay Panels, Metering Cabinet, Remote Terminal Unit (RTU), Network Cabinets, SCS Control Panel, Turbine Control Panel, Fire Alarm System, Security System, Panelboards, Transformers, MV and LV Bus Duct.

Basin Electric Pioneer Generation Station Project – North Dakota

(3) 30' W x 60' L Electrical Control Rooms with MV Arc Resistant Generator Rated SWGR, LV Arc Resistant SWGR, LV Arc Resistant MCCs, VFDs, ATS, UPS System, 125VDC System, 24VDC System, 125VDC DC Starter, DCS Cabinets, Relay Panels, Metering Cabinet, Remote Terminal Unit (RTU), Network Cabinets, SCS Control Panel, Turbine Control Panel, Fire Alarm System, Security System, Panelboards, Transformers, MV and LV Bus Duct.

Birdsboro Power Project – Pennsylvania

- 28' W x 55' L 6.9kV Electrical Control Room with MV Arc Resistant SWGR, MV Arc Resistant MCCs, 3000A MV Bus Duct Tie Run, DCS Cabinets, Relay Panels, Supervisory Control and Data Acquisition (SCADA) Cabinets, Network Cabinet, Panelboards, and Transformers.
- 23' W x 53' L Cooling Tower Electrical Control Room with LV Arc Resistant SWGR, LV MCCs, DCS Cabinets, HRG Systems, UPS, DC Battery System, Panelboards, and Transformers.
- 24' W x 40' L HRSG Enclosure with LV Arc Resistant SWGR, LV MCCs, HRG Systems, DCS Cabinets, Battery System, Panelboards and Transformers.
- Shipped Loose equipment including SUS Transformers, MV and LV Bus Duct Runs, MV Cable Bus Runs, and LV MCCs.

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Blue Water Energy Center – Michigan

- 83' L x 27' W MV Electrical Control Room with MV SWGR, LV SWGR, DCS System, Relay Panel, BOP Switchboards, Panelboards, 45kV Transformers, MV Bus Duct Runs, 2500kVA Dry type Cast Resin Transformers etc.
- 75' L x 45' W STG Electrical Control Room with MV SWGR and MCC, LV SWGR, STG Turbine Control, 125V & 220V Panelboard, DCS & UPS Systems, Battery Charger & Battery Rack, Eyewash/Shower Station, 3750kVA Dry type Cast Resin Transformers etc.
- 45' L x 15' W CT Electrical Control Room with LV SWGR, 45kV Transformers, Switchboards, 250HP VFDs, Panelboards, etc.
- (2) 29' L x 15 W HRSG Enclosure with LV MCC, DCS & UPS Systems, Security Panel, Fire Protection Panel, 45kV Transformer, etc.
- 55' L x 25' W Intake Enclosure with MV SWGR, LV SWGR, LV MCC, DCS System, 150 HP VFD, 45kV Transformers, 480V & 120V Panelboards, Battery Disconnect and Battery Panel, etc.

Cascade BPC Power Combined Cycle – Edson, Alberta, Canada

- (2) 34' W x 52' L MV Electrical Control Rooms with 63kA MV Arc Resistant SWGR, MV Arc Resistant MCCs, Network cabinets, DCS Cabinets, Fire Alarm System, Panelboards, Transformers.
- 36' W x 55' L LV Balance of Plant Control Room #1 with LV Arc Resistant SWGR, Arc Resistant LV MCCs, Cast Coil SUS Unit Substation Transformers, DCS Cabinets, Fire Alarm System, Panelboards and Transformers.
- 34' W x 78' L LV Balance of Plant Control Room #2 with LV Arc Resistant SWGR, Resistant LV MCCs, Cast Coil SUS Unit Substation Transformers, DCS Cabinets, Fire Alarm System, Panelboards and Transformers.
- 15' W x 65' L Air Cooled Condenser Electrical Control Room with LV MCCs, LV VFDs Cabinets, DCS Cabinets, Fire Alarm System, Panelboards and Transformers.
- 15' W x 61' L Air Cooled Condenser Electrical Control Room with LV MCCs, (15) LV VFDs (200HP) Cabinets, DCS Cabinets, Fire Alarm System, Panelboards and Transformers.
- Specialized ship loose equipment: (8) ABB Resibloc Cast Resin Transformers -48.2 degree C rated, Water Treatment MCC's, Switchboards, 30kVA UPS and High Resistant Ground Units

Claribel MicroGrid Project – California – 5kV MV Switchgear that will be used in a local MicroGrid application to provide backup power to local data centers.

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CPV Fairview Power Project – Pennsylvania

- 30' W x 70' L MV Electrical Control Room with MV SWGR, MV MCCs, LV SWGR, UPS and DC Systems, 3000A Bus Duct Tie Run, DCS Cabinets, Relay Panels, SCADA Cabinets, Network Cabinet, Switchboards, Panelboards, and Transformers.
- 15' W x 48' L Cooling Tower Electrical Control Room with LV SWGR, LV Bus Duct, Switchboards, HRG Systems, Network Cabinet, Panelboards, and Transformers
- (2) 15' W x 24' L HRSG Enclosures with LV MCCs, DCS Cabinets, Network Cabinet, Switchboards, Panelboards and Transformers.
- 15' W x 21' L Raw Water Enclosure with LV MCCs, DCS Cabinets, Network Cabinet, Panelboards and Transformers.
- Shipped Loose Equipment: SUS Transformers, LV Bus Duct, LV SWGR and LV MCCs.

ENMAX Shepard Energy Project – Canada

- 15' W x 60' L VFD Control Room with 250 HP – 400 HP LV VFDs, LV MCCs, Switchboards, DCS Cabinets, Heat Trace, Panelboards, Transformers, etc.
- 12' W x 30' L Gas Compressor Control Room with LV MCCs, DCS Cabinets, Heat Trace, Panelboards, Transformers, etc.

Ghent Gypsum Processing Project – Kentucky

- 31' W x 91' L Electrical Control Room with MV Arc Resistant SWGR, LV Arc Resistant SWGR, LV SWGR, LV MCCs, VFDs, UPS, DCS Cabinets, Configuration Control Register (CCR) Control Console, Fire Alarm System, Panelboards, Transformers, MV and LV Bus Duct and Restrooms with Toilet and Sink.
- 16' W x 60' L Electrical Control Room with LV Arc Resistant SWGR, LV MCCs, 600HP VFDs, DCS Cabinets, Fire Alarm System, Panelboards, Transformers, etc.

Golden Spread Elk Station Units 1, 2, 3 & 4 – Texas

- (4) 16' W x 66' L Electrical Control Room with MV Arc Resistant SWGR, LV SWGR, LV MCCs, Relay Panels, DCS Cabinets, DC System, Panelboards, Transformers, LV Bus Duct and 2000kVA Auxiliary Transformers.
- (2) 16' W x 80' L Electrical Control Room each with MV Arc Resistant SWGR, LV SWGR, LV MCCs, Relay Panels, DCS Cabinets, DC System, Panelboards, Transformers, LV Bus Duct and 2000kVA Auxiliary Transformers.
- 16' W x 50' L Electrical Control Room with MV, 4000A Arc Resistant SWGR, DCS Cabinets, Panelboards and Transformers.
- 12' W x 42' L Electrical Relay Control Room with Relay Panels, DC System, Panelboards and Transformers.

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Hickory Run Energy Station – Pennsylvania

- 30' W x 60' L MV Electrical Control Room with MV SWGR and MV MCC, SUS Transformer, LV Switchboard, panelboards, transformers, MV and LV Bus Duct, Transformer Relay Protection Panels, and LV SWGR.
- 15' W x 26' L Cooling Tower Electrical Control Room with LV MCC, LV Bus Duct, SUS Transformer, Panelboards and Transformers.
- 30' W x 58' L Steam Turbine Electrical Control Room with LV SWGR, LV MCC, HRG's, LV Bus Duct, SUS Transformers, STG Turbine Control Panel, Panelboards, Transformers, Battery Equipment, and Separate Battery Control Room.
- (2) 15' W x 30' L HRSG Electrical Control Rooms with LV MCCs, Panelboards, Transformers and ship loose cable bus, LV Bus Duct and SUS Transformers.

Hill Top Energy Center – Pennsylvania

- 27' W x 72' L MV Electrical Control Room with MV Arc Resistant SWGR, MV Arc Resistant MCCs, 3000A Bus Duct Tie Run, (DCS Cabinets, Relay Panels, Supervisory Control and Data Acquisition (SCADA) Cabinets, Network Cabinet, UPS, DC Battery System, Panelboards and Transformers.
- 14' W x 55' L Cooling Tower Electrical Control Room with LV Arc Resistant SWGR, LV MCCs, DCS Cabinets, HRG Systems, Panelboards and Transformers.
- 26' W x 50' L Heat Recovery Steam Generator Enclosure with LV Arc Resistant SWGR, LV MCCs, HRG Systems, DCS Cabinets, Battery System, Panelboards and Transformers.
- Shipped Loose equipment including SUS Transformers, MV and LV Bus Duct Runs,
- MV Cable Bus Runs and LV MCCs.

Horseshoe Lake Power Project – Oklahoma - 28' W x 58' L Electrical Enclosure with MV Arc Resistant SWGR, LV Arc Resistant SWGR, LV MCCs, Relay Cabinets, Cable Bus, DCS Cabinets, UPS and DC System, Panelboards and Transformers.

Indeck Niles Energy Center – Michigan

- 83' L x 30' W Vaulted MV Electrical Control Room with 6.9kV Arc Resistant MV Switchgear, Arc Resistant LV SWGR, LV MCCs, DCS System, Relay and Protection Panels, BOP Switchboards, Panelboards and Transformers
- 60' L x 24' W Vaulted STG Electrical Control Room with Arc Resistant LV SWGR, LV MCCs, Battery System, STG Turbine Control Panel, Vibration Monitor Panel, DC Lube Oil Pump Cabinet, Generator Protection Panel, Aux Generator Protection Panel, 480 V Panels, DCS System and Fire protection panels.
- 25' L x 15' W HRSG 1 Electrical Control Room with LV MCCs, DCS, Network Cabinet, UPS/DC Panelboards, 480V Panelboards and transformers.

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- 25' L x 15' W HRSG 2 Electrical Control Room with LV MCCs, DCS, Network Cabinet, UPS/DC Panelboards, 480V Panelboards and transformers.
- 56' L x 15' W ACC 1 Electric Control Room with LV MCCs, DCS system, HRG units, 480V panels and (4) 2000/2667 kVA power transformers connected with NSBD all coordinated on the same enclosure base as a single ship unit.
- 56' L x 15' W ACC 2 Electric Control Room with LV MCCs, DCS system, HRG units, 480V panels and (4) 2000/2667 kVA power transformers connected with NSBD all coordinated on the same enclosure base as a single ship unit.

IPP Renewed Project – Utah

- (2) MV Electrical enclosures each with 6.9kV ARC Resistant MV Switchgear, LV MCCs, BOP panelboards, transformers, battery systems, digital fault recorders and vibration monitoring systems.
- (2) HRSG Electrical enclosures each with 6000A ARC Resistant LV Switchgear, LV MCCs, vibration monitoring systems, panelboards and transformers.
- (2) CTWR Electrical enclosure each with LV MCCs, panelboards and transformers.
- Diesel Generator enclosure including 480V rated ARC Resistant Low Voltage Switchgear
- Water Treatment enclosure including 6.9kV ARC Resistant MV Switchgear, LV MCCs, panelboards and transformers
- PDC replacement enclosure including replacement panelboards and transformers.
- Ship loose equipment including non-segregated bus duct, power transformers, cable bus, panelboards, transformers, DC/UPS Switchboards and DC Panelboards.

Jackson Generation - Illinois

- 120' L x 30' W Vaulted MV Electrical Control Room with 15kV Arc Resistant MV Switchgear, 6.9kV Arc Resistant MV Switchgear, 6.9kV MV Motor Control, Arc Resistant LV SWGR, DCS System, BOP Switchboards, Panelboards, 45kV Transformers, UPS System, 125VDC Battery System, Auto Transfer Switches, and Relay and Protection panels.
- (2) 53'6" L x 15'6" W HRSGs Electrical Control Rooms each with Arc Resistant LV SWGR, Arc Resistant LV motor control, DCS, Vibration Monitoring, Network Cabinet, UPS/DC Panelboards, 480V Panelboards and transformers.
- (2) 60' L x 15' 10" W ACC Enclosures each with Arc Resistant LV motor control, DCS, UPS/DC Panelboards, 480V Panelboards and transformers.

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Lackawanna Energy Center – Pennsylvania

- 45' W x 80' L MV Electrical Control Room with MV Arc Resistant SWGR, LV SWGR, LVMCC, 3750kVA VPI Transformers, DCS Cabinets, Fire Alarm System, Panelboards, Transformers and MV and LV Bus Duct.
- 45' W x 52' L Shared Services Electrical Control room with LV SWGR, LV MCCs, 3750/5000 kVA VPI Transformers, DC Battery System, DCS Cabinets, Fire Alarm System, Panelboards, Transformers and LV Bus Duct.
- (3) 15' W x 49' L ACC Electrical Control Rooms each with LV MCCs, DCS Cabinets, Fire Alarm System, Security Panel, Panelboards and Transformers.
- (3) 15' W x 54' L HRSG Electrical Control Rooms each with LV SWGR, LV MCCs, 2500kVA VPI Transformers, DCS Cabinets, Vibration Panel, BMS Panel, Telecom Racks, Fire Alarm System, Panelboards and Transformers.
- Ship Loose Equipment: Aux 2500/3333 kVA Transformers, LV Bus Duct, LV MCCs and Misc. Panelboards.
- 2kV, 900VDC, 5000A Bus Duct for Excitation Equipment.

Liberty Portola substation – California

- 16'W x 50'L Electrical enclosure with ARC Resistant MV Switchgear and 480V Low Voltage Motor Control Centers, panelboards, transformers and UPS System.

Long Ridge Energy Generation – Ohio

- 30' W x 75' L 6.9kV Electrical Control Room (3 piece) with MV Arc Resistant SWGR, MV Arc Resistant MCCs, 3000A Bus Duct Tie Run, DCS Cabinets, Relay Panels, Supervisory Control and Data Acquisition (SCADA) Cabinets, Network Cabinet, UPS, DC Battery System, Panelboards and Transformers.
- 15' W x 32' L Cooling Tower Electrical Control Room with LV Arc Resistant SWGR, LV MCCs, DCS Cabinets, HRG Systems, Panelboards and Transformers.
- 15' W x 53' L Heat Recovery Steam Generator Enclosure with LV Arc Resistant SWGR, LV MCCs, HRG Systems, DCS Cabinets, Battery System, Panelboards and Transformers.
- Shipped Loose equipment including SUS Transformers, MV and LV Bus Duct Runs, MV Cable Bus Runs and LV MCCs.

Mill Creek Power Project – Kentucky

- 30' W x 77' L MV Electrical Control Room with MV Arc Resistant SWGR, MV Arc Resistant MCCs, LV Arc Resistant SWGR, HRG Systems, DCS Cabinets, Network Cabinet, UPS and DC Battery System, Panelboards, and Transformers.

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- 15' W x 50' L HRSG Enclosure with LV Arc Resistant SWGR, LV MCCs, HRG Systems, DCS Cabinets, Network Cabinets, Panelboards and Transformers.
- 15' W x 30' L Cooling Tower Electrical Control Room with LV MCCs, HRG Systems, DCS Cabinets, Network Cabinets, Panelboards, and Transformers.
- Shipped Loose equipment including SUS Transformers, MV and LV Bus Duct Runs and LV MCCs.

Orange County Advance Power Station – Texas

- 30' W x 112' L MV Electrical Control Room (6 piece) with MV Arc Resistant SWGR, MV Arc Resistant MCCs, LV Arc Resistant SWGR, LV Arc Resistant MCCs, Bus Duct Runs, DCS Cabinets, Relay Panels, Network Cabinets, Panelboards and Transformers.
- 49' W x 65' L STG Electrical Control Room (3 piece) with LV Arc Resistant SWGR, LV Arc Resistant MCCs, Bus Duct Runs, DCS Cabinets, Relay Panels, Network Cabinets, UPS, DC Battery System, Panelboards and Transformers.
- 15' W x 55' L Cooling Tower Electrical Control Room with LV Arc Resistant SWGR, LV MCCs, Bus Duct Runs, DCS Cabinets, HRG Systems, Panelboards and Transformers.
- (2) 15' W x 42' L HRSG Enclosures with LV Arc Resistant MCCs, HRG Systems, Bus Duct Runs, DCS Cabinets, Panelboards and Transformers.
- Shipped Loose equipment including SUS Transformers, MV and LV Bus Duct Runs, MV Cable Bus Runs, LV Arc Resistant SWGR and LV Arc Resistant MCCs.

Ottumwa Generation Station Project – Iowa – 14' W x 32' L Electrical Control Room with LV MCCs, ATS, DCS Cabinet, Metering Cabinet, RTU, Network Cabinets, SCS Control Panel, Fire Alarm System, Security Camera System, Panelboards and Transformers.

Paducah Power – Kentucky – 28' W x 43' L Electrical Control Room with LV SWGR, LV MCCs, Relay Panels, DCS Cabinets, UPS and DC Systems, Interior Control Room, Security Control System, Restroom, Panelboards, Transformers, etc

Pio Pico Energy Center – California

- 30' W x 52' L MV Electrical Control Room with MV SWGR, MCC, LV SWGR, LV MCCs, Relay Panels, DC System, DCS Cabinets, Network Cabinets, Panelboards, Transformers, 3500/4667 kVA Transformers, MV and LV Bus Duct.
- 28' W x 42' L WASC Electrical Control Room with LV SWGR, LV MCCs, UPS and DC Systems, DCS Cabinets, Panelboards, Transformers, LV Bus Duct Runs, 2000 kVA Aux Transformers

Roseville Energy Project – California – Project consisting of 15kV, 63kA, NEMA 3R non-walk-in Switchgear, custom 15 kV, 5000A transformer cable termination box and a NEMA 3R panelboard
Purchase order to delivery date was 3 weeks.

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Shady Hills Power Project – Florida

- 30' W x 70' L MV Electrical Control Room with MV Arc Resistant SWGR, MV Arc Resistant MCCs, LV Arc Resistant SWGR, LV SWBDS, HRG Systems, DCS Cabinets, Relay Panels, SCADA Cabinets, Network Cabinet, UPS and DC Battery System, Panelboards, and Transformers.
- 15' W x 44' L HRSG Enclosure with LV Arc Resistant SWGR, LV MCCs, HRG Systems, DCS Cabinets, Network Cabinets, Panelboards and Transformers.
- 15' W x 39' L Cooling Tower Electrical Control Room with LV Arc Resistant SWGR, LV MCCs, HRG Systems, DCS Cabinets, Network Cabinets, Panelboards, and Transformers.
- Shipped Loose equipment including SUS Transformers, MV and LV Bus Duct Runs and LV MCCs.

Sunflower Garden City Station – Kansas – 22' W x 30' L Electrical Control Room with MV SWGR, LV SWGR, DC System, DCS Cabinet, Fire Alarm System, Panelboards and Transformers.

Three Rivers Energy Center – Illinois

- 30' W x 79' L MV Electrical Control Room with MV SWGR, MV MCCs, LV SWGR, UPS and DC Systems, Cable Bus Duct, DCS Cabinets, Relay Panels, SCADA Cabinets, Network Cabinet, Switchboards, Panelboards, and Transformers.
- (2) 15' W x 46' L ACC Electrical Control Room with LV MCC's, HRG Systems, Network Cabinet, Panelboards, and Transformers
- (2) 15' W x 40' L HRSG Enclosures with LV MCCs, DCS Cabinets, Network Cabinet, Panelboards and Transformers.
- 15' W x 33' L Water Treatment Enclosure with LV SWGR, LV MCCs, DCS Cabinets, Network Cabinet, Panelboards and Transformers.
- Shipped Loose: SUS Transformers, LV & DC Excitation Bus Duct, MV & LV Cable Bus & Relay Panels.

TransCanada Energy Napanee Generating Station Project – Canada

- 25' W x 60' L 5kV Electrical Control Room with MV Arc Resistant SWGR, LV SWGR, LV Switchboards, Relay Panels, DCS Cabinets, Fire Alarm System, Panelboards, Transformers and MV and LV Bus Duct.
- 15' W x 52' L Cooling Tower Electrical Control Room with LV SWGR, LV MCCs, DCS Cabinets, Fire Alarm System, Transformers and LV Bus Duct.
- (2) 14' W x 28' L HRSG Electrical Control Rooms each with LV MCCs, DCS Cabinets, Vibration Panel, BMS Panel, Telecom Racks, Fire Alarm System, Panelboards and Transformers.
- Ship Loose Equipment: LV SWGR, Aux 3000/4000 kVA Transformers, Aux 1500kVA Transformers, 300kVA Transformer, HRGs, LV Bus Duct Runs, LV MCCs and Misc. Panelboards.
- 420kV, (MCOV), 310kV Primary, Dual 115V (CCVTs), 310/500V Primary, 115V dual Secondary (CTs) / Potential Transformers (PTs), 500kV Motor and Manual Load Break Disconnect Switches.

WE ARE DIFFERENT FOR ALL THE RIGHT REASONS

RECENT PROJECT LIST

Tuxpan Fase Uno Project – Mexico

- 31'W x 55'L MV Electrical Enclosure with MV Switchgear and MV Motor Control, 480V LV Switchgear, panelboards, transformers and DCS.
- 31'W x 36'L STG Electrical Enclosure with 480V LV Switchgear, LV MCCs, Battery System, panelboards, transformers and DCS.
- (2) 16'W x 27'L Electrical Enclosure with LV MCCs, panelboards, transformers and DCS.

TVA Allen Combined Cycle Project – Tennessee – Utilized two separate enclosure vendors to consolidate the pump skids and balance of plant equipment to accommodate owner request for consistent integration.

- 26' W x 82' L MV Electrical Control Room with MV Arc Resistant SWGR, MV Arc Resistant MCC, LV Arc Resistant SWGR, LV Switchboards, DCS Cabinets, Network Cabinet, Relay Panels, Panelboards, Transformers and LV Bus Duct.
- 16' W x 60' L Cooling Tower Electrical Control Room with MV Arc Resistant SWGR, MV Arc Resistant MCC, LV Arc Resistant SWGR, LV Switchboards, DCS Cabinets, Network Cabinet, Panelboards and Transformers.
- 30' W x 53' L STG Electrical Control Room with LV Switchboards, LV MCCs, DC Motor Starter, D-EHC Cabinet, DCS Cabinets, Network Cabinet, UPS and DC Systems, Panelboards, Transformers and MV and LV Bus Duct.
- (2) Units each with the following: 15' W x 24' L HRSG Electrical Control Room each with LV MCCs, DCS Cabinets, Network Cabinet, Bently Nevada Panel, Fire Alarm System, Panelboards and Transformers.
- (2) Pump Enclosures: Sample Panel Enclosure, Chemical Feed Enclosure, and CTWR Chemical Feed Enclosure.

TVA Cumberland Combined Cycle Plant – Tennessee

- (2) 15' W x 40' L HRSG Enclosures with LV MCCs, DCS Cabinets, Network Cabinet, Panelboards and Transformers.
- (2) 15' W x 33' L ACC Enclosures with LV MCCs, VFDs, DCS Cabinets, Network Cabinet, Panelboards and Transformers.
- Shipped Loose: MV Arc Resistant SWGR, MV Arc Resistant MCCs, LV Arc Resistant SWGR, LV Arc Resistant MCCs, HRGs, LV Panelboards and Transformers.

TVA Johnsonville Aero Project – Tennessee – Consisting of Station Service Transformers and a 12 pulse rectifier, UPS, maintenance bypass switch, DVS Voltage regulating transformer, Battery and associated battery monitoring system along with Switchboards and fusible panelboards.

WE ARE DIFFERENT FOR ALL THE RIGHT REASONS

RECENT PROJECT LIST

TVA Paradise Combined Cycle Project – Kentucky – Utilized two separate enclosure vendors to consolidate the pump skids and balance of plant equipment to accommodate owner request for consistent integration.

- 26' W x 82' L MV Electrical Control Room with MV Arc Resistant SWGR, MV Arc Resistant MCC, LV Arc Resistant SWGR, LV Switchboards, LV MCCs, DCS Cabinets, Network Cabinet, Relay Panels, Panelboards, Transformers and MV and LV Bus Duct.
- 16' W x 60' L Cooling Tower Electrical Control Room with MV Arc Resistant SWGR, MV Arc Resistant MCC, LV Switchboards, DCS Cabinets, Network Cabinet, Panelboards and Transformers.
- 30' W x 48' L STG Electrical Control Room with LV Arc Resistant SWGR, LV Switchboards, LV MCCs, DC Motor Starter, Digital-Electric Heater Control (D-EHC) Cabinet, DCS Cabinets, Network Cabinet, UPS and DC System, Panelboards, Transformers as well as MV and LV Bus Duct.
- (3) 15' W x 24' L HRSG Electrical Control Rooms with LV MCCs, DCS Cabinets, Network Cabinet, Bently Nevada Panel, Fire Alarm System, Panelboards and Transformers.
- (4) Pump Enclosures:
 - 28' W x 51' L Sample Panel and Chemical Feed Enclosure
 - 16' W x 34' L Cooling Tower Chemical Feed Enclosure
 - 15' W x 59' L Blowdown Pond Pump Enclosure
 - 17' W x 63' L Combination Tank Farm Pump and Water Treatment LV MCC Encl.

Westmoreland Generating Station – Pennsylvania

- 28' W x 78' L MV Electrical Control Room with MV SWGR and MCC, LV SWGR, SUS Transformers, Panelboards, Relay Protection Panels, and separate DCS Control Room.
- 14' W x 62' L Cooling Tower Electrical Control Room with LV SWGR, LV MCC, LV Bus Duct, SUS Transformers, Panelboards, Transformers, and Separate DCS Control Room.
- 28' W x 80' L Steam Turbine Electrical Control Room with LV SWGR, LV MCC, HRG's, LV Bus Duct, SUS Transformers, Panelboards, Complete DC Battery System, and Separate DCS Control Room.
- (2) 14' W x 39' L HRSG Electrical Control Rooms with LV MCC, Panelboards, Transformers, and Separate DCS Control Room

Xcel Energy Blue Lake Generation Station – Minnesota – Consisting of MV Arc Resistant SWGR, LV Arc Resistant SWGR and LV MCCs.

WE ARE DIFFERENT FOR ALL THE RIGHT REASONS

RECENT PROJECT LIST

Xcel Energy CACJ Cherokee Combined Cycle – Colorado.

- 30' W x 90' L MV Electrical Control Room with MV Arc Resistant SWGR, MV Arc Resistant MCCs, LV Arc Resistant SWGR, LV Switchboards, Relay Panels, DCS Cabinets, Fire Alarm System, Panelboards, Transformers and MV and LV Bus Duct.
- 16' W x 55' L Cooling Tower Electrical Control Room with LV Arc Resistant SWGR, LV MCCs, DCS Cabinets, Fire Alarm System, Panelboards, Transformers and LV Bus Duct.
- 15' W x 38' L Steam Turbine Generator Electrical Control Room with LV MCCs, DCS Cabinets, Fire Alarm System, Panelboards and Transformers.
- (2) 15' W x 35' L HRSG Electrical Control Rooms each with LV MCCs, DCS Cabinets, Startup Heater Cabinet, Fire Alarm System, Panelboards and Transformers.
- 15' W x 28' L Water Treatment Electrical Control Room with LV MCCs, DCS Cabinets, Gas Chromatograph Cabinet, Fire Alarm System, Panelboards and Transformers.

Xcel Energy Wheaton Generation Station – Wisconsin - 20' W x 45' L Electrical Enclosure with MV Arc Resistant SWGR, LV Arc Resistant SWGR, LV MCCs, DCS Cabinets, Panelboards and Transformers.

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RECENT PROJECT LIST

RENEWABLE / SUBSTATION PROJECTS

American Electric Power (AEP), Ft Griffin – Texas - 16' x 36' DICM Building including AC Panelboards, DC Cabinet, DC Panelboards, Termination Cabinets, Batteries, Telecommunication Panels, Fiber Distribution Centers, Transmission Line Panels, Capacitor Protection Panel, Breaker Control Panel (Dual Breaker), SCADA RTU Panel, SCADA SDR Panel and Differential System

American Electric Power (AEP), Albany – Texas - 16' x 18' DICM Building including AC Panelboards, DC Cabinet, DC Panelboard, Termination Cabinets, Batteries, Telecommunication Panels, Fiber Distribution Centers, Transmission Line Panels, Breaker Control Panel (Dual Breaker) and SCADA RTU Panel

American Electric Power (AEP), Quaint – Texas - 16' x 27' DICM Building including AC Panelboards, DC Cabinet, DC Panelboard, Termination Cabinets, Batteries, Telecommunication Panels, Transmission Line Panels, SCADA RTU Panel and SCADA SDR Panel.

American Electric Power (AEP), Rainey Creek Station – Texas - Transmission Line Panel, SCADA RTU Auxiliary I/O Plates and Bitronics M650-B3 Meters Fiber Optic cords/RJ-45 patch cord.

American Electric Power (AEP), Abilene NW Station – Texas - Transmission Line Panel, SCADA RTU Panel and SCADA RTU Auxiliary I/O Plates.

American Electric Power (AEP), Albany Foundry Station – Texas – Custom Enclosure

American Electric Power (AEP), Hulltown Station – Texas – Custom Enclosure

Bearkat Wind Project – Texas – 345kV Substation High Voltage Circuit Breaker

Cavendish Hydrogen Hub Project – Florida – 480V LV Motor Control Center equipment and 125VDC Battery and UPS Equipment.

Coram Wind Farm – California – (2) 15' W x 30' L Relay Panel Control Rooms each with Relay Panels, ATS, RTU, Server Cabinet, DC System, Panelboards, Transformers, etc.

Chugach Electric International Substation – Alaska – 21' W x 65' L Relay Control Building with Relay Panels, DC systems, Panelboards, Transformers, Cold Roof Design, etc.

Chugach Electric Debarr Substation – Alaska – 10' W x 20' L Replacement Control Room with Heat Trace, Panelboards, Transformers, Cold Roof Design, etc.

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RECENT PROJECT LIST

Chugach Electric Hope Substation – Alaska – 12' W x 23' L Relay Panel Control Building with Relay Panels, Control Panel, DC System, Heat Trace, Panelboards, Transformers, Cold Roof Design, etc.

Fuel Cell Energy – California – 8' W x 19' L Outdoor Power Distribution Skid with 15 kV Disconnect Switch, 2500 kVA Transformer, AC Combiner Box, NEMA 3R LV Switchboard and Panelboard

LS Power West Deptford Energy Station – New Jersey – 16' W x 28' L Relay Control Building with Relay Panels, Termination Cabinet, DC system, Panelboards, Transformers, etc.

Sharyland Driver Substation – Texas – 16' W x 43' L Relay Control Building with Relay Panels, Yard Termination Cabinet, DC system, ATS, Panelboards, Transformers, etc.

VERPOL OMYA Project – Vermont – 13' W x 22' L Electrical Control Rooms with LV SWGR, 480V 600kVAR Cap Bank, DC System, Panelboards, Transformers, etc.

Wichita Kansas Electric – Kansas – 20' W x 35' L Relay Control Building with Relay Panels, DC system, Panelboards, Transformers, etc.

Please see separate renewables line sheet and project list for several additional project and information

For more information on the projects listed above and all project support and procurement opportunities please contact any of the following **CESI Team Members below:**

Nick Lisec – Eastern Sales Manager @ (913) 951 9541 or n.lisec@capeelectric.com

Danny Blain – Western Sales Manager @ (713) 299-3621 or d.blain@capeelectric.com

Corey Shupe – Gulf Coast Outside Sales @ (281) 704-2459 or corey.shupe@capeelectric.com

Lance Bray – Business Development Manager @ (573) 225-7564 or l.bray@capeelectric.com

Mark Puchbauer – Operations Manager @ (573) 837-2919 or m.puchbauer@capeelectric.com

Craig Jeter – VP CESI @ (713) 703-0942 or craig.jeter@capeelectric.com

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