

Wind Farm Substation Project Profiles



Committed to providing cost-effective solutions that make you more effective!

GE Energy T&D / John Deere—Harvest Wind Farm

First commercial scale wind farm in Michigan, 52.8 MW

Commissioning services for 145kV Collector Substation

- 145kV SF6 circuit breaker, full testing, gas filling and alarms, timing test, dielectric strength, contact resistance, verification of all wiring, CT turns ratio, saturation and polarity on all taps, current loop confirmation, trip testing of breaker
- Power transformer alarms and controls verification of all wiring, confirmed annunciation
- Commissioned 35kV Vacuum breakers, vacuum integrity, contact resistance, dielectric strength, verification of all wiring, CT turns ratio, saturation and polarity on all taps, current loop confirmation, trip testing of breaker
- Commission Capacitor Bank and Filter
- Protective Relays install programming, test, including functional checks

GE Energy / Wisconsin Electric—Blue Sky Wind Farm

Largest Wind Farm in Wisconsin

Commissioning services for 345kV Collector Substation

- 345kV Sf6 circuit breaker, full testing, gas filling and alarms, timing test, contact resistance, dielectric strength, verification of all wiring, CT turns ratio, saturation and polarity on all taps, current loop confirmation, trip testing of breaker
- Power Transformer alarms and controls verification of all wiring, confirmed annunciation
- Commissioned 35kV Vacuum breakers, vacuum integrity, contact resistance, dielectric strength, verification of all wiring, CT turns ratio, saturation and polarity on all taps, current loop confirmation, trip testing of breaker
- Commission Capacitor Bank and Filter
- Protective Relays install programming, test, including functional checks

GE Energy T&D / John Deere—Michigan Wind Farm I

With 46 wind turbines producing up to 69 MW

Commissioning services for 145kV Collector Substation

- 145kV Sf6 circuit breaker, full testing, gas filling and alarms, timing test, contact resistance, dielectric strength, verification of all wiring, CT turns ratio, saturation and polarity on all taps, current loop confirmation, trip testing of breaker
- Power Transformer alarms and controls verification of all wiring, confirmed annunciation
- Commissioned 35kV Vacuum breakers, vacuum integrity, contact resistance, dielectric strength, verification of all wiring, CT turns ratio, saturation and polarity on all taps, current loop confirmation, trip testing of breaker
- Protective Relays install programming, test, including functional checks

Iberdrola—Farmers City Wind Farm

Iberdrola's first project in Missouri, 146 MW

Commissioning services for 345kV Collector Substation

- 345kV Sf6 circuit breaker, full testing, gas filling and alarms, timing test, contact resistance, dielectric strength, verification of all wiring, CT turns ratio, saturation and polarity on all taps, current loop confirmation, trip testing of breaker
- Power Transformer alarms and controls verification of all wiring, confirmed annunciation
- Commissioned 35kV Vacuum breakers, vacuum integrity, contact resistance, dielectric strength, verification of all wiring, CT turns ratio, saturation and polarity on all taps, current loop confirmation, trip testing of breaker
- Commission Capacitor Bank
- Protective Relays install programming, test, including functional checks

CE POWER SOLUTIONS FAMILY OF COMPANIES

CE Power Solutions Florida, LLC
Lake Hamilton, FL 33851
866.439.2992

CE Power Solutions Kentucky, LLC
Louisville, KY 40218
800.434.0415

www.cepowersol.com

Independent 3rd Party Service Providers

CE Power Solutions, LLC of Ohio
Cincinnati, OH 45232
800.434.0415

www.cepower-oh.com

CE Power Solutions Wisconsin, LLC
Appleton, WI 54914
877.968.0281

www.cepower-wi.com

Satellite Service Center Location
Alabama