

Document title:

**Midwest Transmission – Self Build Approved  
Major Equipment Contractors**

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001

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Transmission – DEM

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**1. Purpose/Objective**

The purpose of this document is to identify a List of Approved Contractors (also known as Vendors) that interconnection customers shall utilize to purchase major equipment for a facility that Duke Energy Midwest (Ohio, Kentucky, Indiana) will own and operate in the future.

**2. Scope**

On April 19, 2018, the Federal Energy Regulatory Commission (FERC) issued its final rule of Order 845, addressing reform of generator interconnection procedures and agreements for generators of more than 20 megawatts (MW). To interconnect generation projects to the grid, interconnection customers and transmission providers must coordinate the construction and ownership of new transmission line facilities, a substation at the point where the generation will interconnect with the grid, and, if necessary, any additional upgrades to the transmission provider’s transmission system required to handle the increased generation capacity.

In addition, Order No. 845 allows interconnection customers the option to build transmission provider’s interconnection facilities, which will then be owned and maintained by the transmission provider.

**3. Definitions**

**List of Approved Contractors** – A list developed by each Transmission Owner and published in a PJM Manual which contains manufacturers or vendors of major transmission-related equipment (e.g., high-voltage transformers, transmission line, circuit breakers) whose products the Transmission Owner considers acceptable for installation and use on its system.

**Interconnection Customer** – A person or entity that interconnects a distributed generation facility to an electric distribution system.

**Transmission Provider** – Any public utility that owns, operates, or controls facilities used for the transmission of electric energy in interstate commerce. (i.e., Duke Energy)

**4. Approved Major Equipment Contractors**

This section lists approved major equipment contractors (vendors) that the Interconnection Customer shall utilize for new facilities in the Duke Energy Ohio, Kentucky, and Indiana service territories. Agreed-to drawings, particularly for non-preferred vendors, may not be established. In the event a self-building Interconnecting Customer selects an equipment vendor(s) without already established drawings, the newly purchased equipment must abide by the Transmission Provider’s equipment specifications and all agreed-to equipment drawings must be reviewed and approved by the Transmission Provider’s subject matter expert(s) prior to approval.

If the approved vendors are insufficient, the Interconnection Customer is advised to reach out to the Transmission Provider for input on alternative solutions and prior to selecting a non-approved vendor.

**4.1. Circuit Breakers**

- For 69KV (Gang): Siemens (preferred), Meiden America, Mitsubishi, GE
- For 138KV (Gang): Siemens (preferred), Mitsubishi, GE
- For 230KV (Gang): Mitsubishi (preferred), Siemens, GE
- For 345KV (IPO): Mitsubishi (preferred), Siemens, GE

**4.2. Instrument Transformers**

- Current Transformers (CT):
  - 69 – 345KV: Trench Group
    - 345KV: Pfiffner
- Coupling Capacitor Voltage Transformer (CCVT): Trench Group (preferred), Ritz
- Station Service Voltage Transformer (SSVT):
  - 69 - 345KV: Hitachi
  - 345KV: Koncar

**4.3. Wave Traps and Line Tuners**

- Trench Group

**4.4. Lightning Arresters**

- Cooper Power Systems (preferred), Hitachi, Hubbell, Siemens

**4.5. Disconnect Switches**

- Pascor Atlantic (preferred), Cleaveland Price, Hubbell USCO
- For Fused Disconnect Switch and Fuse: S&C Electric Company

**4.6. Wire and Cable**

- AFL (OPGW)
- CopperWeld (19#9, 7#10CW)
- General Cable (Control/Instrument)
- Southwire (4/0, 556, 954, 1590, 2500 KCMIL)

**4.7. Control Enclosures**

- Electrical Power Products
- Systems Control
- VFP

**4.8. Cable Trench**

- Concast, Inc.
- Trenwa, Inc.

**4.9. Polysided Tubular Steel (Substation Dead-End) Structures**

- DisTran
- Valmont Industries, Inc.

**4.10. Standard Shape Steel (Substation General) Structures**

- Superior Steel Services LLC (Batavia, OH)
- ASC, Advanced Steel Inc (Tulsa, OK)

**4.11. Transmission Steel Structures**

- DisTran
- Meyer Utility Structures
- Valmont Industries, Inc.

# Document Approval Form

Issued 06/23/2025

## Section A: Document identification and type of action [\(Instructions for completing form on page 2\)](#)

**Note:** To avoid issues with the Document Approval Form, download/ save a copy of the form to your device from Cast Pro before filling out the form. Avoid using a browser to fill out form.

Document no.: ADMP-ADM-TRM-00142 Revision no.: 001

Document title: Midwest Transmission – Self Build Approved Major Equipment Contractors

Applies to: (Select all that apply)

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Duke Energy                | <input checked="" type="checkbox"/> Duke Energy Indiana, LLC   | <input checked="" type="checkbox"/> Department <u>Transmission</u> |
| <input type="checkbox"/> Duke Energy Carolinas, LLC | <input checked="" type="checkbox"/> Duke Energy Kentucky, Inc. | _____  |
| <input type="checkbox"/> Duke Energy Progress, LLC  | <input checked="" type="checkbox"/> Duke Energy Ohio, Inc.     | <input type="checkbox"/> Other _____                               |
| <input type="checkbox"/> Duke Energy Florida, LLC   | <input type="checkbox"/> Group _____                           | _____  |

Type of action: <input type="checkbox"/> New <input checked="" type="checkbox"/> Revision <input type="checkbox"/> Periodic review completed <input type="checkbox"/> Ownership Change <input type="checkbox"/> Cancellation <input type="checkbox"/> Suspension <input type="checkbox"/> Renumber	Periodic Review cycle: (Default is 2-year) <input checked="" type="checkbox"/> 1-Year <input type="checkbox"/> 2-Year <input type="checkbox"/> 3-Year <input type="checkbox"/> 4-Year <input type="checkbox"/> 5-Year	Compliance Applicability: (required field) <input checked="" type="checkbox"/> None <input type="checkbox"/> NERC <input type="checkbox"/> State Codes/Standards <input type="checkbox"/> FERC Standards of Conduct <input type="checkbox"/> Patriot Act <input type="checkbox"/> Sarbanes-Oxley <input type="checkbox"/> HIPAA <input type="checkbox"/> OSHA _____ <input type="checkbox"/> Other _____	<input checked="" type="checkbox"/> Communication plan established <input type="checkbox"/> Impact Reviews completed  For Doc. Mgmt staff use only: <input type="checkbox"/> Editorial Change <input type="checkbox"/> Control element revision  (does not require approval signature)
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Description of document action or summary of changes:  
Updated approved vendors during document periodic review.

## Section B: Approval **Who should sign?** see instructions on page 2 [\(Electronic Signature Instructions\)](#)

Author(s)/Writer(s)/Preparer(s) (signature not required):

Adam Brooks

Approval recommended (print name): _____	(signature)	Date:
Approval recommended (print name): _____	(signature)	Date:
Approval recommended (print name): _____	(signature)	Date:
<b>Final Approval</b> (print name): Kevin Miller	(signature) <i>Kevin Miller</i>	Date: 6/23/2025

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