The intent of this diagram is to clearly delineate the ownership boundaries between PPL EU and the IC. The diagram is not intended to illustrate actual design details, in any way, purely coincidental. Details on this diagram that may illustrate actual design details, in any way, are purely coincidental.

1. The POI is at the deadend structure inside the PPL EU 230/500KV Substation/Switchyard.
2. The POI is at the deadend structure inside the PPL EU 230/500KV Substation/Switchyard.
3. The deadend structures illustrated are representative of typical deadend structures.
4. See PPL EU standard electrical assemblies for more information. The number of insulator segments will be dependent on the line voltage and basic insulation level (BIL) ratings.
5. The IC shall fasten OPGW and support excess ground wire down the PPL EU deadend structure and coil near PPL EU provided fiber splice box. Actual deadend structure types may be different. Actual deadend structure types may be different. Actual deadend structure types may be different.
6. PPL EU shall perform and install all line mounting hardware to connect to the PPL EU deadend structure.
7. PPL EU shall provide and install all jumper loop hardware to connect to the IC phase conductors of deadend structure.
8. PPL EU shall ground the OPGW in accordance with PPL EU standard specifications.
9. PPL EU shall ground the OPGW and deadend structure in accordance with PPL EU standard specifications.
10. PPL EU shall perform end-to-end fiber testing.

Notes:
- PPL EU Standard - Substation & Switchyard - IPP
- 230/500KV IPP Point of Interconnection (POI) Typical Diagrams
- PJM Queue XXX-YYYZ
- Standard: Substation & Switchyard - IPP
- 230/500KV IPP Point of Interconnection (POI)
- TYPICAL DIAGRAMS
- PJM Queue XXX-YYYZ

Legend:
- PPL Owned Facilities
- <PJM Queue #> Facilities (Owned by IC)
- IC Ownership (IC)
- Electrical POI (ground)
- Electrical POI (inside box)
- Mechanical POI
- Electrical POI (Where Required)
- Fiber Splice Box
- PPL EU Provided Insulator
- Fiber Splice Box
- OPGW Support by IC
- OPGW Bonding by IC
- OPGW Supports by IC
- OPGW - Optical Ground Wire (Fiber)
- Mechanical POI
- OPGW Support by IC
- Electrical POI (Inside Box)
- Communication (Inside Box)
- To Station Ground
- To Station Ground
- Mechanical POI
- Mechanical POI
- Electrical POI (Inside Box)
- Electrical POI (Inside Box)
- Fiber Splice Box
- OPGW Support by IC
- OPGW Bonding by IC
- OPGW Supports by IC
- OPGW - Optical Ground Wire (Fiber)
- Mechanical POI

Notes:
- PPL EU shall perform and install all line mounting hardware to connect to the PPL EU deadend structure.
- PPL EU shall provide and install all jumper loop hardware to connect to the IC phase conductors of deadend structure.
- PPL EU shall ground the OPGW and deadend structure in accordance with PPL EU standard specifications.
- PPL EU shall ground the OPGW and deadend structure in accordance with PPL EU standard specifications.
- PPL EU shall perform end-to-end fiber testing.

Developed from Standard Drawing EU00535116, Sh. 1, Rev. F.

PPL Electric Utilities

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