

Addendum to 2023 Transitional Cluster Combined System Impact Study and Facilities Study Report

9/30/2024

For unbuilt facilities, this addendum updates the ownership of the structure at the Point of Change of Ownership (PCO) from Interconnection Customer ownership to Transmission Provider (PSCo) ownership. This structure at the PCO will be designed, procured, installed, and maintained by the Transmission Provider as part of the Transmission Provider Interconnection Facilities (TPIF). It is expected that the Interconnection Customer will coordinate the permitting for their gen-tie with the Transmission Provider to include this structure, where applicable. The cost estimate and description in Table 11 (below) have been updated to reflect this change.

This update is in accordance with the most current version of the *Interconnection Guidelines for Transmission Interconnected Producer-Owned Generation Greater Than 20 MW*, as amended from time to time, and available at: [Interconnection | Transmission | Corporate | Xcel Energy](#)

The total cost of the required upgrades for GI-2023-14 to interconnect at the Pawnee 345 kV substation is \$6.927 million.

- Cost of Transmission Provider's Interconnection Facilities is \$3.160 million (Table 11)
- Cost of Station Network Upgrades is \$3.767 million

Table 11 – Transmission Provider's Interconnection Facilities – GI-2023-14

Element	Description	Cost Est. (Million)
PSCo's Pawnee 345 kV Substation	Interconnection of GI-2023-14 at the Pawnee 345 kV Substation. The new equipment includes: <ul style="list-style-type: none">• (1) 345 kV monopole dead end structure• (1) 345 kV single bay dead end structure• (1) 345 kV 3-phase arrester• (1) 345 kV 3000A line disconnect switch• (3) 345 kV 1-phase CT for metering• (1) 345 kV 3-phase CCVT• Yard expansion including grading, ground grid, surfacing and fencing• Dual fiber communication equipment• Associated electrical equipment, bus, wiring and grounding• Associated foundations and structures• Associated transmission line communications, fiber, relaying and testing	\$2.910
PSCo's Pawnee 345 kV Substation	Transmission Provider's dead-end structure at the Point of Change of Ownership (PCO) outside the switching station fence line and transmission line into new switching station from the PCO. Single span, dead end structure, 3 conductors, insulators, hardware, jumpers and labor.	\$0.250
Total Cost Estimate for Interconnection Customer-Funded, PSCo-Owned Interconnection Facilities		\$3.160