

Install 345 kV Bus Tie Circuit Breaker at Dresden Station

General Information

Proposing entity name	COMED
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	Yes
Company proposal ID	For internal company use only
PJM Proposal ID	408
Project title	Install 345 kV Bus Tie Circuit Breaker at Dresden Station
Project description	Install 345 kV Bus Tie 5-20 circuit breaker in the ring at Dresden station in series with existing Bus Tie 5-6. This will eliminate the "LineFB" contingency for Bus Tie 5-6 that causes the violation.
Email	For PJM contact information only
Project in-service date	12/2026
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	

Project Components

1. Dresden Circuit Breaker

Substation Upgrade Component

Component title	Dresden Circuit Breaker
Project description	Add 345 kV Bus Tie Circuit Breaker in series with BT 5-6 in the ring bus at Dresden

Substation name	Dresden
Substation zone	ComEd
Substation upgrade scope	Install one 345 kV circuit breaker and associated disconnect switch in series with Bus Tie 5-6 at Dresden.

Transformer Information

None	
New equipment description	345 kV Bus Tie 5-20 Expected summer ratings: 1961/2112/2524/3015 MVA N/LTE/STE/LD Expected winter ratings: 2324/2457/2895/3439 MVA N/LTE/STE/LD Interrupting capability: 63kA
Substation assumptions	There is space in the existing yard for the proposed circuit breaker.
Real-estate description	There is space in the existing yard for the proposed circuit breaker. No additional real estate is required.
Construction responsibility	ComEd
Benefits/Comments	Proprietary information

Component Cost Details - In Current Year \$

Engineering & design	Proprietary information
Permitting / routing / siting	Proprietary information
ROW / land acquisition	Proprietary information
Materials & equipment	Proprietary information
Construction & commissioning	Proprietary information
Construction management	Proprietary information
Overheads & miscellaneous costs	Proprietary information
Contingency	Proprietary information
Total component cost	\$4,268,881.00
Component cost (in-service year)	\$4,804,663.00

Congestion Drivers

None

Existing Flowgates

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
GD-W2-W211	270716	DRESDEN ; B	275179	DRESDEN ;1M	1	345/138	222	Winter Gen Deliv	Included
GD-W2-W214	275179	DRESDEN ;1M	271337	DRESDEN ; R	1	138	222	Winter Gen Deliv	Included
GD-W2-51	270716	DRESDEN ; B	274702	KENDALL ;BU	1	345	222	Winter Gen Deliv	Excluded

New Flowgates

None

Financial Information

Capital spend start date 01/2024

Construction start date 09/2025

Project Duration (In Months) 35

Additional Comments

None