

Cherry Valley Circuit Breakers

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	Number is for internal use only
PJM Proposal ID	771
Project title	Cherry Valley Circuit Breakers
Project description	Add three 345 kV circuit breakers to Cherry Valley substation.
Email	Personal email address removed
Project in-service date	06/2028
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	

Project Components

1. Add three 345 kV circuit breakers at Cherry Valley substation

Substation Upgrade Component

Component title	Add three 345 kV circuit breakers at Cherry Valley substation
Project description	Add 345 kV bus ties 10-15, 14-15, and 7-14 at Cherry Valley.
Substation name	Cherry Valley

Substation zone	ComEd
Substation upgrade scope	Installation of three 345 kV circuit breakers and associated disconnects, bus work, and relays.
Transformer Information	
None	
New equipment description	Three new 345 kV 3000A 63 kA circuit breakers will be added to the substation. The circuit breakers will not impact any existing line or transformer ratings.
Substation assumptions	Two of the three new circuit breakers will be installed in locations already planned for future circuit breakers. The third circuit breaker will be installed in the existing yard to the east of the existing bus.
Real-estate description	The project will fit in the existing substation footprint.
Construction responsibility	ComEd
Benefits/Comments	This project will provide a second red-blue tie at the substation and prevent the simultaneous loss of Transformer 83 and the red-blue tie.
Component Cost Details - In Current Year \$	
Engineering & design	Detailed cost estimates broken down by category are considered proprietary information and are redacted.
Permitting / routing / siting	Detailed cost estimates broken down by category are considered proprietary information and are redacted.
ROW / land acquisition	Detailed cost estimates broken down by category are considered proprietary information and are redacted.
Materials & equipment	Detailed cost estimates broken down by category are considered proprietary information and are redacted.
Construction & commissioning	Detailed cost estimates broken down by category are considered proprietary information and are redacted.
Construction management	Detailed cost estimates broken down by category are considered proprietary information and are redacted.
Overheads & miscellaneous costs	Detailed cost estimates broken down by category are considered proprietary information and are redacted.

Contingency

Detailed cost estimates broken down by category are considered proprietary information and are redacted.

Total component cost

\$7,745,480.00

Component cost (in-service year)

\$8,979,134.00

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
2023W1-GD-S663275165	275165	CHERRY VA;1M	271193	CHERRY VA; R	1	138	222	Summer Gen Deliv	Included
2023W1-GD-S662270695	270695	CHERRY VA; R	275165	CHERRY VA;1M	1	345/138	222	Summer Gen Deliv	Included
2023W1-GD-S642275165	275165	CHERRY VA;1M	271193	CHERRY VA; R	1	138	222	Summer Gen Deliv	Included
2023W1-GD-S126270695	270695	CHERRY VA; R	275165	CHERRY VA;1M	1	345/138	222	Summer Gen Deliv	Included
2023W1-GD-S641270695	270695	CHERRY VA; R	275165	CHERRY VA;1M	1	345/138	222	Summer Gen Deliv	Included
2023W1-GD-S126275165	275165	CHERRY VA;1M	271193	CHERRY VA; R	1	138	222	Summer Gen Deliv	Included

New Flowgates

None

Financial Information

Capital spend start date

01/2024

Construction start date

01/2026

Project Duration (In Months)

53

Additional Comments

None