

Install Series Inductor on Line 94507 Crete - St. John

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	Company ID is for internal use only
PJM Proposal ID	994
Project title	Install Series Inductor on Line 94507 Crete - St. John
Project description	Install 12 Ohm series inductor at Crete substation on 345 kV line 94507 Crete - St. John. Overall ratings of line 94507 will not change.
Email	Email for PJM contact purposes 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. Install Series inductor on 345 kV line 94507

Substation Upgrade Component

Component title	Install Series inductor on 345 kV line 94507
Project description	Crete substation will be expanded to install a 12 Ohm air-core series inductor with a bypass circuit breaker on 345 kV line 94507.

Substation name	Crete
Substation zone	ComEd
Substation upgrade scope	Crete substation will be expanded to install a 12 Ohm air-core series inductor with a bypass circuit breaker on 345 kV line 94507.

Transformer Information

None	
New equipment description	An air-core 345 kV series inductor with an impedance of 12 Ohms will be installed. The inductor will have a bypass circuit breaker. Inductor summer ratings: 1832/2128/2139/2931 MVA N/LTE/STE/LD. Inductor winter ratings: 2022/2293/2305/3134 MVA N/LTE/STE/LD. CB summer ratings: 1961/2112/2524/3015MVA N/LTE/STE/LD. CB winter ratings: 2324/2457/2895/3439MVA N/LTE/STE/LD.
Substation assumptions	The Crete substation yard will be expanded to the north on existing ComEd property.
Real-estate description	ComEd owned property.
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	\$12,009,220.00

Component cost (in-service year)

\$13,516,483.00

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-W5	274750	CRETE EC ;BP	255112	17STJOHN	1	345	217/222	Winter Gen Deliv	Included
GD-W2-W6	274750	CRETE EC ;BP	255112	17STJOHN	1	345	217/222	Winter Gen Deliv	Included
GD-W2-259	270728	E FRANKFO; B	274750	CRETE EC ;BP	1	345	222	Winter Gen Deliv	Excluded
GD-W2-258	270728	E FRANKFO; B	274750	CRETE EC ;BP	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