

Install Series Inductor on Line 94507

General Information

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| Proposing entity name | COMED |
| Company proposal ID | For internal use only |
| PJM Proposal ID | 901 |
| Project title | Install Series Inductor on Line 94507 |
| Project description | Install 6 Ohm series inductor on 345 kV line 94507. Overall ratings of line 94507 will not change. |
| Project in-service date | 11/2025 |
| Tie-line impact | Yes |
| 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 |
| Substation name | Crete |
| Substation zone | ComEd |
| Substation upgrade scope | Install a 6 Ohm series inductor with a bypass circuit breaker on 345 kV line 94507. |

Transformer Information

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|-----------------------------|--|
| None | |
| New equipment description | An air-core 345 kV series inductor with an impedance of 6 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: 1868/2011/2404/2872 MVA N/LTE/STE/LD. CB winter ratings: 2214/2339/2757/3275 MVA N/LTE/STE/LD. |
| Substation assumptions | The substation will be expanded to the north on existing ComEd property. |
| Real-estate description | ComEd owned property. |
| Construction responsibility | ComEd |
| Additional comments | |

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 | \$7,998,415.00 |
| Component cost (in-service year) | \$9,049,406.00 |

Congestion Drivers

None

Existing Flowgates

| FG # | From Bus No. | From Bus Name | To Bus No. | To Bus Name | CKT | Voltage | TO Zone | Analysis type |
|-------|--------------|---------------|------------|-------------|-----|---------|---------|--------------------|
| GD-W3 | 274750 | CRETE EC ;BP | 255112 | 17STJOHN | 1 | 345 | 217/222 | Gen Deliv (winter) |
| GD-W4 | 274750 | CRETE EC ;BP | 255112 | 17STJOHN | 1 | 345 | 217/222 | Gen Deliv (winter) |

New Flowgates

None

Financial Information

Capital spend start date 01/2023

Construction start date 08/2024

Project Duration (In Months) 34

Additional comments

None