

# Install new 765/345 kV TR 91 at Wilton Center

## General Information

Proposing entity name	CONFIDENTIAL
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	CONFIDENTIAL
Company proposal ID	CONFIDENTIAL
PJM Proposal ID	906
Project title	Install new 765/345 kV TR 91 at Wilton Center
Project description	Install new 765/345 kV TR 91 at Wilton Center
Email	CONFIDENTIAL
Project in-service date	12/2030
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	CONFIDENTIAL

## Project Components

### 1. Wilton Center TR 91

#### Substation Upgrade Component

Component title	Wilton Center TR 91
Project description	CONFIDENTIAL
Substation name	Wilton Center

Substation zone	ComEd		
Substation upgrade scope	Install 765/345 kV TR 91 and associated 765 kV and 345 kV circuit breakers at Wilton Center.		
Transformer Information			
	Name	Capacity (MVA)	
Transformer	TR 91	1120	
	High Side	Low Side	Tertiary
Voltage (kV)	765	345	34
New equipment description	<ul style="list-style-type: none"> <li>• Install new 765KV TR91 Transformer with one MOD and Ground Switch. Assumed install Tertiary 34KV connecting</li> <li>• Install a new 765KV Circuit Breaker at Bus1-8</li> <li>• Install two new 345KV DE H-frames at 765KV yard and 345KV yard. Install Transformer secondary 345KV OVHD wire between two yards. Assumed install a 345KV Transmission Pole between two DE H-frames.</li> <li>• Install a new 345KV Circuit Breaker and Bus modification for TR91</li> <li>• Relay, SCADA, and COMM upgrade</li> <li>• Install Firewall walls at TR91 between 3-Single phase Transformers</li> </ul>		
Substation assumptions	The new transformers and circuit breakers will be installed in locations already planned for future transformers and circuit breakers at the substation.		
Real-estate description			
Construction responsibility	CONFIDENTIAL		
Benefits/Comments	CONFIDENTIAL		
Component Cost Details - In Current Year \$			
Engineering & design	CONFIDENTIAL		
Permitting / routing / siting	CONFIDENTIAL		
ROW / land acquisition	CONFIDENTIAL		
Materials & equipment	CONFIDENTIAL		
Construction & commissioning	CONFIDENTIAL		

Construction management	CONFIDENTIAL
Overheads & miscellaneous costs	CONFIDENTIAL
Contingency	CONFIDENTIAL
Total component cost	\$45,805,241.00
Component cost (in-service year)	\$47,179,398.00

## 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
2025W1-GD-W177	275232	WILTON ;3M	270644	WILTON ;	1	345/765	222	Generation Deliverability	Included
2025W1-GD-W178	270926	WILTON ; B	275232	WILTON ;3M	1	345	222	Generation Deliverability	Included
2025W1-GD-W185	275233	WILTON ;4M	270644	WILTON ;	1	345/765	222	Generation Deliverability	Included
2025W1-GD-W186	270927	WILTON ; R	275233	WILTON ;4M	1	345	222	Generation Deliverability	Included
2025W1-GD-W175	275232	WILTON ;3M	270644	WILTON ;	1	345/765	222	Generation Deliverability	Included
2025W1-GD-W189	270927	WILTON ; R	275233	WILTON ;4M	1	345	222	Generation Deliverability	Included
2025W1-GD-W176	270926	WILTON ; B	275232	WILTON ;3M	1	345	222	Generation Deliverability	Included
2025W1-GD-W27	275232	WILTON ;3M	270644	WILTON ;	1	345/765	222	Generation Deliverability	Included
2025W1-GD-W28	270926	WILTON ; B	275232	WILTON ;3M	1	345	222	Generation Deliverability	Included
2025W1-GD-W38	270927	WILTON ; R	275233	WILTON ;4M	1	345	222	Generation Deliverability	Included
2025W1-GD-W39	275233	WILTON ;4M	270644	WILTON ;	1	345/765	222	Generation Deliverability	Included
2025W1-GD-W188	275233	WILTON ;4M	270644	WILTON ;	1	345/765	222	Generation Deliverability	Included

## New Flowgates

CONFIDENTIAL

Financial Information

Capital spend start date	01/2026
Construction start date	09/2029
Project Duration (In Months)	59

Additional Comments

Ready to Submit