

Install new 765/345 kV TR at Collins

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	457
Project title	Install new 765/345 kV TR at Collins
Project description	Install new 765/345 kV TR and associated circuit breakers and equipment at Collins
Email	Confidential
Project in-service date	12/2032
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	Confidential

Project Components

1. TR 91

Substation Upgrade Component

Component title	TR 91
Project description	Confidential
Substation name	Collins

Substation zone	222												
Substation upgrade scope	Install 765/345 kV TR 91 and associated 765 kV and 345 kV circuit breakers at Collins.												
Transformer Information													
	<table><tr><td colspan="2">Name</td><td>Capacity (MVA)</td></tr><tr><td>Transformer</td><td>TR 91</td><td>1120</td></tr><tr><td></td><td>High Side</td><td>Low SideTertiary</td></tr><tr><td>Voltage (kV)</td><td>765</td><td>34534</td></tr></table>	Name		Capacity (MVA)	Transformer	TR 91	1120		High Side	Low SideTertiary	Voltage (kV)	765	34534
Name		Capacity (MVA)											
Transformer	TR 91	1120											
	High Side	Low SideTertiary											
Voltage (kV)	765	34534											
New equipment description	<ul style="list-style-type: none">• Install new 765KV TR91 Transformer with one MOD and Ground Switch. Assumed install Tertiary 34KV connecting• Install a new 765KV Circuit Breaker at Bus2-7• Install five (5) new 345KV Circuit Breakers and Bus modification for TR91 to create a breaker and a half configuration. Move 345kv L2310 and L2311 to their ultimate positions.• Relay, SCADA, and COMM upgrade• Install Firewall walls at TR91 between 3-Single phase Transformers												
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	\$66,300,000.00
Component cost (in-service year)	\$70,128,000.00

Congestion Drivers

None

Existing Flowgates

None

New Flowgates

Confidential

Financial Information

Capital spend start date	01/2026
Construction start date	12/2032
Project Duration (In Months)	83

Additional Comments

This project helps alleviate overloads identified in 2032 Scenario 4 generation deliverability studies with the addition of the PPL load idvs to the cases.