Face Rock T1 and T2 transformer replacement

General Information

Proposing entity name	Proprietary Information
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	Proprietary Information
Company proposal ID	Proprietary Information
PJM Proposal ID	860
Project title	Face Rock T1 and T2 transformer replacement
Project description	Remove the existing T1 & T2 115/69 kV transformers. Remove T2 dead end and short span of conductor. Install one (1) new 200 MVA 115/69 kV transformer. Terminate transformer in Bay #6 at Face Rock. Ensure bay rating of at least 194 MVA SN, 240 MVA SE, 223 MVA WN, and 270 MVA WE on the 69kV side. Replace lead from Bay 6 to the new transformer with 1590 ACSR. Reuse T1 dead-end if possible. 795 ACSR leads can remain on 115kV side.
Email	Proprietary Information
Project in-service date	11/2029
Tie-line impact	Yes
Interregional project	No
Is the proposer offering a binding cap on capital costs?	Yes
Additional benefits	Proprietary Information

Project Components

1. Face Rock T1 and T2 115/69 kV transformer replacements

Substation Upgrade Component

Component title	Face Rock T1 and T2 115/69 kV transformer replacements

Project description	Proprietary Information
Substation name	Face Rock
Substation zone	PPL
Substation upgrade scope	Remove the existing T1 & T2 115/69 kV transformers. Remove T2 dead end and short span of conductor. Install one (1) new 200 MVA 115/69 kV transformer. Terminate transformer in Bay #6 at Face Rock. Ensure bay rating of at least 194 MVA SN, 240 MVA SE, 223 MVA WN, and 270 MVA WE on the 69kV side. Replace lead from Bay 6 to the new transformer with 1590 ACSR. Reuse T1 dead-end if possible. 795 ACSR leads can remain on 115kV side.

Transformer Information

	Name	Capacity (MVA)
Transformer	Face Rock T1	200 MVA

	High Side	Low Side	Tertiary
Voltage (kV)	115	69	

New equipment description	One new 200 MVA 115/69 kV transformer Short lead from Bay 6 to the new transformer, 1590 ACSR conductor
Substation assumptions	The proposed solution will occur within the existing Face Rock substation to facilitate the addition of a transformer. It is assumed that there is sufficient land to accommodate the proposed new transformer. It is assumed that no transmission line work is required (other than removing one span of conductor) to accommodate the new transformer.
Real-estate description	No substation expansion anticipated. Proposer owns necessary footprint to accommodate this project.
Construction responsibility	Proprietary Information
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	$9,505,000.00
Component cost (in-service year)	$10,226,259.39

Congestion Drivers

None

Existing Flowgates

None

New Flowgates

Proprietary Information

Financial Information

Capital spend start date	01/2025
Construction start date	09/2029
Project Duration (In Months)	58

Cost Containment Commitment

Cost cap (in current year)	Proprietary Information
Cost cap (in-service year)	Proprietary Information

Components covered by cost containment

1. Face Rock T1 and T2 115/69 kV transformer replacements - PPL

Cost elements covered by cost containment

Engineering & design	Yes
Permitting / routing / siting	Yes
ROW / land acquisition	No
Materials & equipment	Yes
Construction & commissioning	Yes
Construction management	Yes
Overheads & miscellaneous costs	No
Taxes	No
AFUDC	No
Escalation	No
Additional Information	Proprietary Information
Is the proposer offering a binding cap on ROE?	No
Is the proposer offering a Debt to Equity Ratio cap?	Proprietary Information

Additional Comments

None