Clifty Creek Switch Replacements

General Information

Proposing entity name	AEPSCT
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	Yes
Company proposal ID	AEP_A
PJM Proposal ID	965
Project title	Clifty Creek Switch Replacements
Project description	AEP is proposing to replace four Clifty Creek 345 kV 3000 A switches with 5000 A 345 kV switches. Anticipated SN/SE rating for the branch section to be addressed (242865 to 248000) by the project is 2354/2354 MVA.
Email	nckoehler@aep.com
Project in-service date	06/2024
Tie-line impact	Yes
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	Proposal addresses a portion of the need presented as AEP-2020-AEP001. Any remaining supplemental pieces for that need will continue through the M-3 process.

Project Components

1. Clifty Creek 345 kV Equipment Replacement

Substation Upgrade Component

Component title	Clifty Creek 345 kV Equipment Replacement

Project description	Replace 3000A rated AEP-owned switches at Clifty Creek station with 5000A rated equipment.
Substation name	Clifty Creek 345 kV
Substation zone	206 - OVEC
Substation upgrade scope	Replace AEP-owned equipment at Clifty Creek station with 5000A rated equipment to eliminate the overload.

Transformer Information

None

New equipment description	5000A rated switches.
Substation assumptions	All work will take place inside the substation on AEP owned equipment. No station expansion required.
Real-estate description	N/A
Construction responsibility	AEP
Benefits/Comments	

Component Cost Details - In Current Year $

Engineering & design	Detailed estimate breakdown
Permitting / routing / siting	Detailed estimate breakdown
ROW / land acquisition	Detailed estimate breakdown
Materials & equipment	Detailed estimate breakdown
Construction & commissioning	Detailed estimate breakdown
Construction management	Detailed estimate breakdown
Overheads & miscellaneous costs	Detailed estimate breakdown
Contingency	Detailed estimate breakdown
Total component cost	$851,745.00

Component cost (in-service year)	$.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
2022W1-GD-S63	2242865	05JEFRSO	248000	06CLIFTY	Z1	345	205/206	Summer Gen Deliv	Included

New Flowgates

None

Financial Information

Capital spend start date	09/2022
Construction start date	10/2023
Project Duration (In Months)	21

Additional Comments

None