Platter Creek 69kV Station Reconfiguration

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_H
PJM Proposal ID	385
Project title	Platter Creek 69kV Station Reconfiguration
Project description	Reconfigure 69kV lines at Platter Creek to mitigate breaker contingency violation.
Email	jmperez@aep.com
Project in-service date	12/2028
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	

Project Components

1. Continental-Platter Creek 69kV Line
2. Platter Creek-Paulding 69kV Line

Transmission Line Upgrade Component

Component title	Continental-Platter Creek 69kV Line

Project description	Reconfigure Continental-Platter Creek 69kV Line at Platter Creek to mitigate breaker contingency violation. Presently, the Continental-Platter Creek 69kV line terminates between 69kV circuit breakers H016E8 and H016G2. This proposal shifts its position to between circuit breakers H016G2 and H016G5.
Impacted transmission line	Continental-Platter Creek 69kV Line
Point A	Platter Creek
Point B	N/A
Point C	
Terrain description	Flat
Existing Line Physical Characteristics	
Operating voltage	69
Conductor size and type	4/0 ACSR 6/1 Penguin
Hardware plan description	Existing hardware will be reused as appropriate.
Tower line characteristics	Single circuit wood poles. Line was installed originally in 1923 but some structures have been replaced over the years.

Proposed Line Characteristics

	Designed	Operating
Voltage (kV)	69.000000	69.000000
	Normal ratings	Emergency ratings
Summer (MVA)	47.000000	47.000000
Winter (MVA)	59.000000	59.000000

Conductor size and type	No conductor will be replaced.
Shield wire size and type	No shield wire will be replaced.

Rebuild line length	N/A
Rebuild portion description	N/A
Right of way	Public right of way and station property to be used if needed for construction purposes.
Construction responsibility	AEP
Benefits/Comments	
Component Cost Details - In Current Year $	
Engineering & design	Detailed cost breakdown
Permitting / routing / siting	Detailed cost breakdown
ROW / land acquisition	Detailed cost breakdown
Materials & equipment	Detailed cost breakdown
Construction & commissioning	Detailed cost breakdown
Construction management	Detailed cost breakdown
Overheads & miscellaneous costs	Detailed cost breakdown
Contingency	Detailed cost breakdown
Total component cost	$823,224.55
Component cost (in-service year)	$823,224.55

Transmission Line Upgrade Component

Component title	Platter Creek-Paulding 69kV Line
Project description	Reconfigure Platter Creek-Paulding 69kV Line at Platter Creek station to mitigate breaker contingency violation. Currently, the Platter Creek-Paulding 69kV Line position is between 69kV circuit breakers H016G2 and H016G5. This proposal shifts its position to between circuit breakers H016G2 and H016E8.
Impacted transmission line	Platter Creek-Paulding 69kV

Point A	Platter Creek
Point B	N/A
Point C	
Terrain description	Flat
Existing Line Physical Characteristics	
Operating voltage	69
Conductor size and type	795 ACSR Drake
Hardware plan description	Existing hardware will be used as appropriate.
Tower line characteristics	Single circuit steel poles
Proposed Line Characteristics	

	Designed	Operating
Voltage (kV)	69.000000	69.000000
	Normal ratings	Emergency ratings
Summer (MVA)	79.000000	92.000000
Winter (MVA)	100.000000	109.000000

Conductor size and type	No conductor will be replaced.
Shield wire size and type	No shield wire will be replaced.
Rebuild line length	N/A
Rebuild portion description	Line will not be rebuilt.
Right of way	Public right of way and station property to be utilized if needed for construction purposes.
Construction responsibility	AEP

Benefits/Comments

Component Cost Details - In Current Year $

Engineering & design	Detailed cost breakdown
Permitting / routing / siting	Detailed cost breakdown
ROW / land acquisition	Detailed cost breakdown
Materials & equipment	Detailed cost breakdown
Construction & commissioning	Detailed cost breakdown
Construction management	Detailed cost breakdown
Overheads & miscellaneous costs	Detailed cost breakdown
Contingency	Detailed cost breakdown
Total component cost	$823,224.55
Component cost (in-service year)	$823,224.55

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-AEP-T1	245864	05AUGLAIZE	245904	05SHERWOOD	1	69	205	FERC 715 Thermal	Included
2025W1-AEP-T5	245904	05SHERWOOD	245864	05AUGLAIZE	1	69	205	FERC 715 Thermal	Included
2025W1-AEP-T4	245904	05SHERWOOD	290390	05PLATTERCRK	1	69	205	FERC 715 Thermal	Included
2025W1-AEP-T3	290390	05PLATTERCRK	245904	05SHERWOOD	1	69	205	FERC 715 Thermal	Included
2025W1-AEP-T2	290390	05PLATTERCRK	245904	05SHERWOOD	1	69	205	FERC 715 Thermal	Included
2025W1-AEP-T6	245904	05SHERWOOD	245864	05AUGLAIZE	1	69	205	FERC 715 Thermal	Included

New Flowgates

None

Financial Information

Capital spend start date	03/2026
Construction start date	09/2028
Project Duration (In Months)	33

Additional Comments

None