Maliszewski-Polaris 138kv Circuit Rebuild

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_I
PJM Proposal ID	439
Project title	Maliszewski-Polaris 138kv Circuit Rebuild
Project description	Rebuild 2.81 miles of the Maliszewski-Polaris 138kV circuit.
Email	jmperez@aep.com
Project in-service date	01/2030
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	

Project Components

1. Maliszewski-Polaris 138kV Circuit Rebuild

Transmission Line Upgrade Component

Component title	Maliszewski-Polaris 138kV Circuit Rebuild
Project description	Rebuild 2.8 miles of the Hyatt-Genoa 138kV Line Asset between Maliszewski and Polaris stations.
Impacted transmission line	Maliszewski-Polaris 138kV Circuit

Point A	Maliszewski Station
Point B	Polaris Station
Point C	
Terrain description	Terrain is mostly flat and urban.
Existing Line Physical Characteristics	
Operating voltage	138
Conductor size and type	636 ACSR 26/7 Grossbeak
Hardware plan description	All hardware will be replaced/rebuilt.
Tower line characteristics	Structures are mostly from its original install date of 1975 and consist of double circuit steel poles with some wood pole structures also part of the circuit.
Proposed Line Characteristics	

	Designed	Operating
Voltage (kV)	138.000000	138.000000
	Normal ratings	Emergency ratings
Summer (MVA)	287.000000	337.000000
Winter (MVA)	363.000000	400.000000

Conductor size and type	1590 ACSR 54/19 Falcon
Shield wire size and type	159 ACSR Guinea Shield Wire and 96 Fiber Count OPGW
Rebuild line length	2.81
Rebuild portion description	2.81 miles of the Hyatt-Genoa 138kV line asset will be rebuilt from Maliszewski station to Polaris station. Double Circuit steel poles will be utilized. 1590 ACSR will be used to match the entrance span to Polaris.
Right of way	Existing ROW will be used and supplemented if/as needed.

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	$15,174,096.18
Component cost (in-service year)	$15,174,096.18

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-N11-ST144	243537	05MALIS	243553	05POLARS	1	138	205	N-1-1 Thermal	Included
2025W1-N11-ST146	243537	05MALIS	243553	05POLARS	1	138	205	N-1-1 Thermal	Included

New Flowgates

None

Financial Information

Capital spend start date	04/2026
Construction start date	06/2028
Project Duration (In Months)	45

Additional Comments

None