Maliszewski-Polaris 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_M
PJM Proposal ID	744
Project title	Maliszewski-Polaris Rebuild
Project description	Project proposes to rebuild the 2.8 mile 138 kV line between Maliszewski and Polaris stations.
Email	nckoehler@aep.com
Project in-service date	02/2028
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 Rebuild

Transmission Line Upgrade Component

Component title	Maliszewski-Polaris Rebuild
Project description	Rebuild the 138 kV line between Maliszewski and Polaris stations (2.8 miles).
Impacted transmission line	Maliszewski-Polaris 138 kV Line

Point A	Maliszewski
Point B	Polaris
Point C	
Terrain description	Flat, urban terrain
Existing Line Physical Characteristics	
Operating voltage	138
Conductor size and type	636 KCM ACSR 26/7 Grosbeak & 1590 KCM ACSR 45/7 Lapwing
Hardware plan description	All existing structures/hardware will be removed as part of this rebuild scope
Tower line characteristics	Existing structures are 2001 vintage double circuit steel monopoles; 1976 vintage double circuit wood monopoles; 1976 vintage double circuit steel poles; and 1979 vintage single circuit wood monopoles.

Proposed Line Characteristics

	Designed	Operating
Voltage (kV)	138.000000	138.000000
	Normal ratings	Emergency ratings
Summer (MVA)	329.000000	361.000000
Winter (MVA)	416.000000	416.000000

Conductor size and type	1590 ACSS (54/19) Falcon
Shield wire size and type	OPGW & 159 ACSR (12/7) Guinea
Rebuild line length	2.8 miles
Rebuild portion description	Rebuild 2.8 miles from Maliszewski Station to Polaris Station. Line will be rebuilt structure-for-structure, utilizing existing ROW. Install approximately 36 new steel monopoles, double circuit & single circuit. The 6 poles installed in 2001 will be reused where possible.

Right of way	No new ROW needed. Existing ROW rights 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	$8,883,662.80
Component cost (in-service year)	$8,883,662.80

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
2024W1-N11-ST15	243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1 Thermal	Included
2024W1-N11-ST21	243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1 Thermal	Included
2024W1-N11-ST20	243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1 Thermal	Included
2024W1-N11-ST13	243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1 Thermal	Included

New Flowgates

None

Financial Information

Capital spend start date	01/2025
Construction start date	03/2027
Project Duration (In Months)	37

Additional Comments

None