Scottsville-Bremo 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_L
PJM Proposal ID	629
Project title	Scottsville-Bremo Rebuild
Project description	Rebuild the 7.5 mile long portion of the AEP-owned section of the Scottsville-Bremo 138 kV line.
Email	nckoehler@aep.com
Project in-service date	06/2027
Tie-line impact	Yes
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	

Project Components

1. Scottsville-Bremo 138 kV Rebuild

Transmission Line Upgrade Component

Component title	Scottsville-Bremo 138 kV Rebuild
Project description	Rebuild the AEP owned portion of the Scottsville-Bremo 138 kV line, approximately 7.5 miles
Impacted transmission line	Scottsville-Bremo 138 kV

Point A	Scottsville
Point B	Bremo
Point C	
Terrain description	The terrain around the existing line is mostly rolling hills, with a few mountains along the alignment.

Existing Line Physical Characteristics

Operating voltage	138
Conductor size and type	397.5KCM ACSR "Lark"
Hardware plan description	Existing Line hardware and structures will be replaced
Tower line characteristics	Existing structures are 1940-1950s vintage double circuit lattice towers

Proposed Line Characteristics

	Designed	**Operating**
Voltage (kV)	138.000000	138.000000
	Normal ratings	**Emergency ratings**
Summer (MVA)	173.000000	173.000000
Winter (MVA)	211.000000	211.000000
Conductor size and type	795 KCM ACSR "Drake"	
Shield wire size and type	2 - 0.646" 144 count Fiber OPGW	
Rebuild line length	7.5 miles	
Rebuild portion description	Rebuild the AEP owned portion of the Scottsville-Bremo line, approximately 7.5 miles. Dominion will then set the limits on the line. The light load emergency rating for Dominion will be 205 MVA.	
Right of way	Line will be rebuilt in or adjacent to existing ROW with supplemental easements obtained 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	$31,305,962.17
Component cost (in-service year)	$.00

Congestion Drivers

None

Existing Flowgates

None

New Flowgates

FG #	From Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type
FG-629-1	242792	05SCOTSV	314746	4BREMO	1	138	AEP	Light Load N-1

Financial Information

Capital spend start date	01/2024
Construction start date	07/2026
Project Duration (In Months)	41

Additional Comments

None