Beatty-McComb 138kV Line

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	729
Project title	Beatty-McComb 138kV Line
Project description	Reconductor from structure 109 to McComb station (2.29 miles) and replace structures on the line based on condition.
Email	jmperez@aep.com
Project in-service date	08/2029
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	

Project Components

1. Beatty-McComb 138kV Line

Transmission Line Upgrade Component

Component title	Beatty-McComb 138kV Line
Project description	Reconductor from structure 109 to McComb (approximately 2.29 miles) and replace structures based on condition.

Impacted transmission line	Beatty-McComb 138kV
Point A	Structure 109
Point B	McComb 138kV Station
Point C	
Terrain description	Flat/urban.
Existing Line Physical Characteristics	
Operating voltage	138
Conductor size and type	636 KCM AAC 37 Orchid
Hardware plan description	Hardware will be replaced as necessary with new larger conductor.
Tower line characteristics	The line has a mix of wood and steel poles originally installed in 1972.
Proposed Line Characteristics	

	Designed	Operating
Voltage (kV)	138.000000	138.000000
	Normal ratings	Emergency ratings
Summer (MVA)	246.000000	296.000000
Winter (MVA)	311.000000	347.000000

Conductor size and type	1033 ACSS Curlew 54/7
Shield wire size and type	7#8 Alumoweld Shield Wire
Rebuild line length	2.29 miles
Rebuild portion description	2.29 miles of the subject line from McComb to structure 109 will be reconductored with 1033 ACSS Curlew. Wood poles will be replaced with single circuit steel poles. Existing steel poles in good condition will be reused.

Right of way	It is assumed AEP will supplement/augment 50% of the existing ROW/Easements.
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	$10,417,018.89
Component cost (in-service year)	$10,417,018.89

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-ST77	243469	05BEATTY	243540	05MCCOMB	1	138	205	N-1-1 Thermal	Included

New Flowgates

None

Financial Information

Capital spend start date	03/2026
Construction start date	11/2028
Project Duration (In Months)	41

Additional Comments

None