Hyatt-Celtic 345kV Re-Rate

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_K
PJM Proposal ID	298
Project title	Hyatt-Celtic 345kV Re-Rate
Project description	Re-rate Hyatt-Celtic 345kV circuit (8.26 miles) to full MOT by raising insulator assemblies to mitigate clearance issues.
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. Hyatt-Celtic 345kV Circuit

Transmission Line Upgrade Component

Component title	Hyatt-Celtic 345kV Circuit

Project description	Mitigate any clearance violations on the Hyatt-Celtic 345kV Circuit by installing insulator assemblies to raise lowest conductor phases from Hyatt station to structure 21. Lower distribution under build as necessary.
Impacted transmission line	Hyatt-Celtic 345kV Circuit
Point A	Hyatt 345kV Station
Point B	Structure 21
Point C	
Terrain description	Flat/urban
Existing Line Physical Characteristics	
Operating voltage	345
Conductor size and type	954 ACSR 45/7 Rail
Hardware plan description	Existing hardware will be reused
Tower line characteristics	The line consists of double circuit steel towers originally built in 1974.
Proposed Line Characteristics	

	Designed	Operating
Voltage (kV)	345.000000	345.000000
	Normal ratings	Emergency ratings
Summer (MVA)	1385.000000	1841.000000
Winter (MVA)	1750.000000	2092.000000

Conductor size and type	2-954 ACSR 45/7 Rail
Shield wire size and type	OPGW 0.646" Dia. & 3/8" Steel/EHS 7
Rebuild line length	N/A

Rebuild portion description	N/A
Right of way	Assumes ROW will not need to be widened. Supplemental easements will be 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	$7,814,003.07
Component cost (in-service year)	$7,814,003.07

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-ST125	243458	05HYATT	290516	05CELTIC	1	345	205	N-1-1 Thermal	Included
2025W1-GD-S469	243458	05HYATT	290516	05CELTIC	1	345	205	Generation Deliverability	Included
2025W1-N11-ST126	243458	05HYATT	290516	05CELTIC	1	345	205	N-1-1 Thermal	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2025W1-IPD-S140	243458	05HYATT	290516	05CELTIC	1	345	205	Individual Plant Deliverability	Included
2025W1-IPD-S151	243458	05HYATT	290516	05CELTIC	1	345	205	Individual Plant Deliverability	Included
2025W1-IPD-S146	243458	05HYATT	290516	05CELTIC	1	345	205	Individual Plant Deliverability	Included
2025W1-N1-ST23	243458	05HYATT	290516	05CELTIC	1	345/345	205/205	N-1 Thermal	Included

New Flowgates

None

Financial Information

Capital spend start date	04/2026
Construction start date	10/2028
Project Duration (In Months)	40

Additional Comments

None