Brighton - Doubs 500kV Rebuild

General Information

Proposing entity name	PEPCO
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	Yes
Joint proposal ID	Proprietary
Company proposal ID	
PJM Proposal ID	851
Project title	Brighton - Doubs 500kV Rebuild
Project description	Rebuilding the BGE portion of the Doubs – Brighton line 500kV (approximately ~11 miles) and upgrading the Brighton substation terminal equipment to remove the terminal equipment limitations
Email	Proprietary
Project in-service date	06/2032
Tie-line impact	Yes
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	Proprietary

Project Components

1. Brighton - Doubs 500kV Upgrade

Transmission Line Upgrade Component

Component title	Brighton - Doubs 500kV Upgrade

Project description	Rebuilding the BGE portion of the Doubs – Brighton line 500kV (approximately ~11 miles)	
Impacted transmission line	5055 Brighton - Doubs	
Point A	Brighton	
Point B	Doubs	
Point C		
Terrain description	Within existing ROW	
Existing Line Physical Characteristics		
Operating voltage	500	
Conductor size and type	Triple-bundled 959.6kcm ACSS/TW “Suwanee”	
Hardware plan description	All new hardware will be installed	
Tower line characteristics	Single circuit steel pole line	
Proposed Line Characteristics		
	Designed	Operating
Voltage (kV)	500.000000	500.000000
	Normal ratings	Emergency ratings
Summer (MVA)	3498.000000	4070.000000
Winter (MVA)	4014.000000	4741.000000
Conductor size and type	Triple-bundled 959.6kcm ACSS/TW “Suwanee”	
Shield wire size and type	Single 0.610” 144f DNO-12650 OPGW	
Rebuild line length	11 miles	
Rebuild portion description	Rebuilding the BGE portion of the Doubs – Brighton line 500kV (approximately ~11 miles)	

Right of way	Within existing ROW.
Construction responsibility	BGE
Benefits/Comments	Project will increase ratings on conductor but additional terminal upgrades at Brighton will be needed to achieve above facility ratings.

Component Cost Details - In Current Year $

Engineering & design	Proprietary
Permitting / routing / siting	Proprietary
ROW / land acquisition	Proprietary
Materials & equipment	Proprietary
Construction & commissioning	Proprietary
Construction management	Proprietary
Overheads & miscellaneous costs	Proprietary
Contingency	Proprietary
Total component cost	$101,864,587.00
Component cost (in-service year)	$113,568,422.00

Congestion Drivers

None

Existing Flowgates

None

New Flowgates

None

Financial Information

Capital spend start date	06/2026
Construction start date	09/2028
Project Duration (In Months)	72

Additional Comments

None