

Increase rating of Conowingo/Colora 230kV line

General Information

Proposing entity name	DPL
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	Yes
Company proposal ID	DPL - 01
PJM Proposal ID	236
Project title	Increase rating of Conowingo/Colora 230kV line
Project description	Upgrade dead end structures on Conowingo - Colora line in DPL to increase the line ratings
Email	Elizabeth.Emberger@exeloncorp.com
Project in-service date	05/2027
Tie-line impact	Yes
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	

Project Components

1. Cable Shunts & Insulator Bells on Conductor

Transmission Line Upgrade Component

Component title	Cable Shunts & Insulator Bells on Conductor
Project description	To increase the Maximum Operating Temperature of DPL Circuit 22088 from 125 C to 140 C, cable shunts will be installed on each phase, on each side of four (4) dead-end structures. Existing insulator bells will be replaced.

Impacted transmission line	Colora - Conowingo	
Point A	Colora	
Point B	Conowingo	
Point C		
Terrain description	Varies from flat to mildly sloping.	
Existing Line Physical Characteristics		
Operating voltage	230	
Conductor size and type	The existing conductor is 795 ACSR Mallard 30/19, which will not be removed/replaced.	
Hardware plan description	No existing hardware will be reused. No OPGW is planned for this project.	
Tower line characteristics	Line is not being reconducted and thus not impacting tower condition.	
Proposed Line Characteristics		
	Designed	Operating
Voltage (kV)	230.000000	230.000000
	Normal ratings	Emergency ratings
Summer (MVA)	462.000000	559.000000
Winter (MVA)	520.000000	636.000000
Conductor size and type	The existing 795 ACSR Mallard 30/19 conductor will remain.	
Shield wire size and type	N/A	
Rebuild line length	0 Miles	
Rebuild portion description	This line will not be reconducted or rebuilt. New Cable Shunts and Insulator bells will be installed.	
Right of way	The right-of-way will not need to be expanded, and no new right-of-way will need to be identified.	

Construction responsibility

DPL

Benefits/Comments

Component Cost Details - In Current Year \$

Engineering & design

Detailed cost breakdown is business confidential information.

Permitting / routing / siting

Detailed cost breakdown is business confidential information.

ROW / land acquisition

Detailed cost breakdown is business confidential information.

Materials & equipment

Detailed cost breakdown is business confidential information.

Construction & commissioning

Detailed cost breakdown is business confidential information.

Construction management

Detailed cost breakdown is business confidential information.

Overheads & miscellaneous costs

Detailed cost breakdown is business confidential information.

Contingency

Detailed cost breakdown is business confidential information.

Total component cost

\$250,025.00

Component cost (in-service year)

\$262,500.00

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
2022W1-GD-S36	213519	CONOWG01	231006	COLOR_PE	1	230	230/235	Summer Gen Deliv	Included

New Flowgates

None

Financial Information

Capital spend start date	01/2026
Construction start date	09/2026
Project Duration (In Months)	16

Additional Comments

None