

# Juniata - Dauphin 230 kV line reconductor

## General Information

Proposing entity name	Proprietary Information
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	Proprietary Information
Company proposal ID	Proprietary Information
PJM Proposal ID	994
Project title	Juniata - Dauphin 230 kV line reconductor
Project description	Reconductor 0.9 miles of the existing Juniata – Dauphin 230kV tower line with 1113 54/19 ACSS conductor or equivalent from the Juniata dead-end to the interconnection point with First Energy.
Email	Proprietary Information
Project in-service date	07/2027
Tie-line impact	Yes
Interregional project	No
Is the proposer offering a binding cap on capital costs?	Yes
Additional benefits	Proprietary Information

## Project Components

1. Juniata - Dauphin 230 kV line reconductor

### Transmission Line Upgrade Component

Component title	Juniata - Dauphin 230 kV line reconductor
Project description	Proprietary Information

Impacted transmission line	Juniata - Dauphin 230 kV line	
Point A	Juniata	
Point B	Dauphin	
Point C		
Terrain description	Flat farmland adjacent to Juniata Substation.	
Existing Line Physical Characteristics		
Operating voltage	230	
Conductor size and type	1033.5 ACSR 54/7 conductor	
Hardware plan description	Reconducted sections of line will get new high temperature hardware to support ACSS conductor.	
Tower line characteristics	On existing double circuit towers that are part of our yearly maintenance program. No new towers.	
Proposed Line Characteristics		
	Designed	Operating
Voltage (kV)	230.000000	230.000000
	Normal ratings	Emergency ratings
Summer (MVA)	717.000000	843.000000
Winter (MVA)	768.000000	894.000000
Conductor size and type	1113 54/19 ACSS conductor	
Shield wire size and type	half inch EHS steel	
Rebuild line length	0.9 miles	
Rebuild portion description	This is a 0.9-mile line reconductor. Towers will remain the same.	
Right of way	No new ROW requirements are anticipated.	

Construction responsibility	Proprietary Information
Benefits/Comments	Proprietary Information
Component Cost Details - In Current Year \$	
Engineering & design	Proprietary Information
Permitting / routing / siting	Proprietary Information
ROW / land acquisition	Proprietary Information
Materials & equipment	Proprietary Information
Construction & commissioning	Proprietary Information
Construction management	Proprietary Information
Overheads & miscellaneous costs	Proprietary Information
Contingency	Proprietary Information
Total component cost	\$2,260,000.00
Component cost (in-service year)	\$2,380,425.32

## 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
2024W1-GD-S490	208004	JUNI	207955	DAUP TR2	1	230	229	Summer Gen Deliv	Included
2024W1-GD-S493	208004	JUNI	207955	DAUP TR2	1	230	229	Summer Gen Deliv	Included
2024W1-GD-S102	208004	JUNI	207955	DAUP TR2	1	230	229	Summer Gen Deliv	Included
2024W1-GD-S492	208004	JUNI	207955	DAUP TR2	1	230	229	Summer Gen Deliv	Included
2024W1-GD-S491	208004	JUNI	207955	DAUP TR2	1	230	229	Summer Gen Deliv	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1-GD-S441	208004	JUNI	207955	DAUP TR2	1	230	229	Summer Gen Deliv	Included

## New Flowgates

Proprietary Information

## Financial Information

Capital spend start date 04/2025

Construction start date 04/2027

Project Duration (In Months) 27

## Cost Containment Commitment

Cost cap (in current year) Proprietary Information

Cost cap (in-service year) Proprietary Information

### Components covered by cost containment

1. Juniata - Dauphin 230 kV line reconductor - PPL

### Cost elements covered by cost containment

Engineering & design Yes

Permitting / routing / siting Yes

ROW / land acquisition No

Materials & equipment Yes

Construction & commissioning Yes

Construction management Yes

Overheads & miscellaneous costs	No
Taxes	No
AFUDC	No
Escalation	No
Additional Information	Proprietary Information
Is the proposer offering a binding cap on ROE?	No
Is the proposer offering a Debt to Equity Ratio cap?	Proprietary Information

### Additional Comments

None