

Chanceford - Goose Creek 500 kV Line

General Information

Proposing entity name	Confidential Information
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	Confidential Information
Company proposal ID	Confidential Information
PJM Proposal ID	551
Project title	Chanceford - Goose Creek 500 kV Line
Project description	Create the Chanceford - Goose Creek 500 kV Line by removing the Chanceford 500 kV interconnection at Doubs Substation, terminating the Woodside - Goose Creek 500 kV Line into Doubs Substation, and connecting to the previously awarded b3800.129 project (new 500 kV line in the Doubs - Goose Creek corridor).
Email	Confidential Information
Project in-service date	12/2029
Tie-line impact	Yes
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	Confidential Information

Project Components

1. Doubs Substation
2. Chanceford - Goose Creek 500 kV Line

Substation Upgrade Component

Component title	Doubs Substation
Project description	Confidential Information
Substation name	Doubs
Substation zone	201
Substation upgrade scope	Terminate the Woodside - Goose Creek 500 kV Line into Doubs Substation. All terminal equipment at Doubs is already planned to be installed under b3800.8.
Transformer Information	
None	
New equipment description	All new terminal equipment to be rated at 5000 A.
Substation assumptions	It is assumed that the terminal equipment (breaker, disconnect switches, relaying) required for this interconnection is completed on project b3800.8.
Real-estate description	There will be no real estate acquisition required, as the Woodside - Goose Creek 500 kV Line will be constructed to Doubs Substation under b3800.129 and the interconnection of this line will not require expansion of the Doubs Substation.
Construction responsibility	Confidential Information
Benefits/Comments	Confidential Information
Component Cost Details - In Current Year \$	
Engineering & design	Confidential Information
Permitting / routing / siting	Confidential Information
ROW / land acquisition	Confidential Information
Materials & equipment	Confidential Information
Construction & commissioning	Confidential Information
Construction management	Confidential Information
Overheads & miscellaneous costs	Confidential Information

Contingency	Confidential Information
Total component cost	\$.00
Component cost (in-service year)	\$.00

Greenfield Transmission Line Component

Component title	Chanceford - Goose Creek 500 kV Line
Project description	Confidential Information
Point A	Chanceford
Point B	Goose Creek
Point C	

	Normal ratings	Emergency ratings
Summer (MVA)	3341.000000	4150.000000
Winter (MVA)	3759.000000	4595.000000
Conductor size and type	3x 1113 ACSS 54/19	
Nominal voltage	AC	
Nominal voltage	500 kV	
Line construction type	Overhead	
General route description	The construction of ~0.6 miles of new 500 kV line will begin at the FirstEnergy/PSEG Point of Interconnection outside of Doubs Substation, and be built around the east side of Doubs Substation into the Doubs - Goose Creek corridor.	
Terrain description	The terrain is flat with some hills.	
Right-of-way width by segment	New right of way will be required.	
Electrical transmission infrastructure crossings	Brighton - Doubs 500 kV Line	

Civil infrastructure/major waterway facility crossing plan	N/A
Environmental impacts	Environmental surveys will be required.
Tower characteristics	The new 500 kV transmission line will be built on single-circuit steel monopoles.
Construction responsibility	Confidential Information
Benefits/Comments	Confidential Information
Component Cost Details - In Current Year \$	
Engineering & design	Confidential Information
Permitting / routing / siting	Confidential Information
ROW / land acquisition	Confidential Information
Materials & equipment	Confidential Information
Construction & commissioning	Confidential Information
Construction management	Confidential Information
Overheads & miscellaneous costs	Confidential Information
Contingency	Confidential Information
Total component cost	\$13,970,889.79
Component cost (in-service year)	\$15,521,659.00

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
2024W1-32GD-LL10	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Light Load Gen Deliv	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1-32GD-S4	235105	01DOUBS	313403	8ASPEN	1	500	201/345	2032 Summer Gen Deliv	Included
2024W1-32GD-LL9	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Light Load Gen Deliv	Included
2024W1-32GD-S3	235105	01DOUBS	313403	8ASPEN	1	500	201/345	2032 Summer Gen Deliv	Included
2024W1-32GD-LL8	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Light Load Gen Deliv	Included
2024W1-32GD-S2	235105	01DOUBS	313403	8ASPEN	1	500	201/345	2032 Summer Gen Deliv	Included
2024W1-32GD-LL7	235105	01DOUBS	313403	8ASPEN	1	500	201/345	2032 Light Load Gen Deliv	Included
2024W1-32GD-S1	235105	01DOUBS	313403	8ASPEN	1	500	201/345	2032 Summer Gen Deliv	Included
2024W1-32GD-LL3	235105	01DOUBS	313403	8ASPEN	1	500	201/345	2032 Light Load Gen Deliv	Included
2024W1-32GD-S8	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Summer Gen Deliv	Included
2024W1-32GD-LL2	235105	01DOUBS	313403	8ASPEN	1	500	201/345	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL13	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Light Load Gen Deliv	Included
2024W1-32GD-S7	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Summer Gen Deliv	Included
2024W1-32GD-LL1	235105	01DOUBS	313403	8ASPEN	1	500	201/345	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL12	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Light Load Gen Deliv	Included
2024W1-32GD-S6	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Summer Gen Deliv	Included
2024W1-32GD-LL11	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Light Load Gen Deliv	Included
2024W1-32GD-S5	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Summer Gen Deliv	Included
2024W1-32GD-W23	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Winter Gen Deliv	Included
2024W1-32GD-W22	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Winter Gen Deliv	Included
2024W1-32GD-LL6	235105	01DOUBS	313403	8ASPEN	1	500	201/345	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL5	235105	01DOUBS	313403	8ASPEN	1	500	201/345	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL4	235105	01DOUBS	313403	8ASPEN	1	500	201/345	2032 Light Load Gen Deliv	Included
2024W1-32GD-S9	235105	01DOUBS	314939	8GOOSE CREEK	1	500	201/345	2032 Summer Gen Deliv	Included

New Flowgates

Confidential Information

Financial Information

Capital spend start date	01/2025
Construction start date	07/2028
Project Duration (In Months)	59

Additional Comments

Please call or email with any questions.