

Line 568 Partial Rebuild - Ladysmith to Kraken

General Information

Proposing entity name	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Company proposal ID	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
PJM Proposal ID	24
Project title	Line 568 Partial Rebuild - Ladysmith to Kraken
Project description	Wreck and rebuild Line #568 using 6,000A, 500 kV conductor.
Email	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Project in-service date	06/2032
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	Yes
Additional benefits	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.

Project Components

1. Line 568 Rebuild - Ladysmith to Kraken

Transmission Line Upgrade Component

Component title	Line 568 Rebuild - Ladysmith to Kraken
Project description	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Impacted transmission line	Line 568

Point A	Ladysmith	
Point B	Kraken	
Point C		
Terrain description	The project is approximately 7.7 miles long in Caroline County in The Piedmont Region. The area is mostly rural. The project crosses Interstate 95. There are elevation changes along the route with the highest point being approximately 260 feet and the lowest being approximately 147 feet.	
Existing Line Physical Characteristics		
Operating voltage	500	
Conductor size and type	2-2500 ACAR (84/7) 90°C MOT	
Hardware plan description	New hardware will be used for line rebuild	
Tower line characteristics	Existing Structures will be removed and new structures will be used for this rebuild.	
Proposed Line Characteristics		
	Designed	Operating
Voltage (kV)	500.000000	500.000000
	Normal ratings	Emergency ratings
Summer (MVA)	4357.000000	4357.000000
Winter (MVA)	5155.000000	5155.000000
Conductor size and type	3-1351 ACSS/TW/HS285 145°C MOT	
Shield wire size and type	(2) DNO-10100 OPGW	
Rebuild line length	8.04	

Rebuild portion description	Existing Facilities to be Removed: 1. (33) 500 kV SC Steel Suspension Towers 2. (4) 500 kV SC Steel Suspension Towers 3. (2) 500 kV SC Steel DDE Towers 4. (2) 500 kV SC Steel DDE Towers 5. (1) 500 kV SC Steel Running Angle Tower 6. 0.18 miles of 3-1351 ACSR (45/7) “Dipper” Conductor 7. 7.86 miles of 2-2500 ACAR (84/7) Conductor 8. 10.08 miles of 7#7 Alumoweld Shield Wire Permanent Facilities to be Installed: 1. (36) 500-230 kV engineered steel DC V-String Suspension Towers 2. (1) 500-230 kV engineered steel DC V-String Suspension Tower – DDE OPGW 3. (4) 500-230 kV engineered steel DC DDE Poles 4. (1) 500-230 kV engineered steel DC DDE Pole 5. 8.04 miles of 3-1351 ACSS/TW/HS285 Conductor 6. 16.08 miles of DNO-10100 OPGW Existing Facilities to be Transferred or Modified: 1. Install three (3) conductor dead-end assemblies and two (2) OPGW dead-end assemblies on existing backbone structures 568/214 and 568/258. 2. Install six (6) conductor dead-end assemblies and four (4) OPGW dead-end assemblies on existing structures 568/214A, 568/256A, and 268/257.
Right of way	Existing Right-of-Way shall be used.
Construction responsibility	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Benefits/Comments	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Component Cost Details - In Current Year \$	
Engineering & design	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Permitting / routing / siting	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
ROW / land acquisition	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Materials & equipment	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Construction & commissioning	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Construction management	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Overheads & miscellaneous costs	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Contingency	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Total component cost	\$48,589,770.00
Component cost (in-service year)	\$52,039,644.00

Congestion Drivers

None

Existing Flowgates

None

New Flowgates

The redacted information is proprietary to the Company; therefore, it is privileged and confidential.

Financial Information

Capital spend start date	01/2026
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Construction start date	06/2029
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Project Duration (In Months)	77
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Cost Containment Commitment

Cost cap (in current year)	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
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Cost cap (in-service year)	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
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Components covered by cost containment

1. Line 568 Rebuild - Ladysmith to Kraken - Dominion

Cost elements covered by cost containment

Engineering & design	Yes
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Permitting / routing / siting	No
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ROW / land acquisition	No
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Materials & equipment	No
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Construction & commissioning	No
Construction management	No
Overheads & miscellaneous costs	No
Taxes	No
AFUDC	No
Escalation	No
Additional Information	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Is the proposer offering a binding cap on ROE?	Yes
Would this ROE cap apply to the determination of AFUDC?	Yes
Would the proposer seek to increase the proposed ROE if FERC finds that a higher ROE would not be unreasonable?	No
Is the proposer offering a Debt to Equity Ratio cap?	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Additional Comments	
None	