Line 567 Terminal Upgrade Chickahominy & Surry

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	126
Project title	Line 567 Terminal Upgrade Chickahominy & Surry
Project description	Upgrade wave trap, lead, breaker and switch equipment supporting Line #567 at the Chickahominy and Surry Substations to 5000A, and update CTs to support 6000A. No transmission line rebuild. The existing transmission line conductor will become the most limiting element for Line #567.
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. Chickahominy Substation Line Terminal Upgrade (993592 Alt_1)
2. Surry Substation Line Terminal Upgrade (993592 Alt_1)

Substation Upgrade Component

Component title	Chickahominy Substation Line Terminal Upgrade (993592 Alt_1)

Project description	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Substation name	Chickahominy
Substation zone	500
Substation upgrade scope	Purchase & Install Substation Material: 1. Conductor, connectors, conduit, control cable, foundations, steel structures and grounding material as necessary per engineering standards. Remove Substation Material: 1. Conductor, connectors, conduit, control cable, foundations, steel structures and grounding material as necessary per engineering standards.

Transformer Information

None

New equipment description	NA
Substation assumptions	1. The scope of work depicted on the drawings assumes that there is no overlap with other designs and construction activities, except if mentioned in this Project Summary. 2. 4-hole pad connections must be replaced with 6-hole pad connections to maintain 5000A ratings. 3. Relay Settings and P&C design will be revised as part of the SPE Scope of Work. 4. Detail Engineering to coordinate with circuit breaker vendor to achieve 6000A rated breaker CTs.
Real-estate description	Substation is not being expanded.
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	$28,620.00
Component cost (in-service year)	$30,652.00

Substation Upgrade Component

Component title	Surry Substation Line Terminal Upgrade (993592 Alt_1)
Project description	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Substation name	Surry
Substation zone	500
Substation upgrade scope	Purchase & Install Substation Material: 1. Three (3), 500kV, 5000A, Double End Break Switches 2. Three (3), 396kV, 318kV MCOV Station Class Surge Arresters 3. Three (3), 500kV, Coupling Capacitor Voltage Transformers 4. One (1), 500kV, 5000A, 90-200kHz, Wave Trap 5. Approximately 580 FT of 6 in. Sch. 80 tube bus 6. Conductor, connectors, conduit, control cable, foundations, steel structures and grounding material as necessary per engineering standards Remove Substation Material: 1. Five (5), 500kV, 3000A, Double End Break Switches 2. Three (3), 500kV, Coupling Capacitor Voltage Transformers 3. One (1), 500kV, 3000A, 90-200kHz, Wave Trap 4. Approximately 30 FT of 6 in. Sch. 40 tube bus 5. Approximately 550 FT of 5 in. Sch. 40 tube bus 6. Conductor, connectors, conduit, control cable, foundations, steel structures and grounding material as necessary per engineering standards Purchase & Install Relay Material: 1. One (1), 4506 – 3Ø CCVT Potential Makeup Box

Transformer Information

None

New equipment description	1. Three (3), 500kV, 5000A, Double End Break Switches 2. Three (3), 396kV, 318kV MCOV Station Class Surge Arresters 3. Three (3), 500kV, Coupling Capacitor Voltage Transformers 4. One (1), 500kV, 5000A, 90-200kHz, Wave Trap 5. One (1), 4506 – 3Ø CCVT Potential Makeup Box
Substation assumptions	1. The scope of work depicted on the drawings assumes that there is no overlap with other designs and construction activities, except if mentioned in this Project Summary. 2. 4-hole pad connections must be replaced with 6-hole pad connections to maintain 5000A ratings. 3. Relay Settings and P&C design will be revised as part of the SPE Scope of Work. 4. Detail Engineering to coordinate with circuit breaker vendor to achieve 6000A rated breaker CTs.
Real-estate description	Substation is not being expanded.

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	$2,462,303.00
Component cost (in-service year)	$2,637,127.00

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
Construction start date	06/2032
Project Duration (In Months)	77

Cost Containment Commitment

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

Components covered by cost containment

1. Chickahominy Substation Line Terminal Upgrade (993592 Alt_1) - Dominion
2. Surry Substation Line Terminal Upgrade (993592 Alt_1) - Dominion

Cost elements covered by cost containment

Engineering & design	Yes
Permitting / routing / siting	No
ROW / land acquisition	No
Materials & equipment	No
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