



City of Danville, Virginia

PO Box 3300
Danville, VA 24543

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Danville, VA 24541

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August 27, 2021

REQUEST FOR PROPOSAL

“Upgrade of Southside, Westover and White Oak Substations”

Addendum No. 2

Please note the following:

Inches below final grade and leave the remaining below-grade conduit intact. The Contractor shall salvage or dispose of all removed cable and conduit material from the project site.

Group L - Foundations: The existing foundation for the metalclad switchgear and capacitor bank shall be completely removed and disposed of.

Group O - Grounding: The Contractor shall remove all ground grid leads from all structures, and equipment to be removed from their present locations or taken out of service. The ground grid leads to be abandoned shall be cut-off six (6) inches below grade.

Group U – Capacitor Bank: The existing 69 kV capacitor bank shall be completely removed and disposed of as directed by the Owner.

Group X - Feeder Exits: The Contractor shall remove all 15 kV underground exit circuits, 15 kV risers, connectors, etc. associated with the existing metalclad switchgear. The Contractor will be allowed to cut-off power cables once directed to do so by the Owner or Engineer and remove the cables. The Contractor will be allowed to cut-off all above-grade cable and conduit which runs underground at six (6) inches below final grade and leave the remaining below-grade conduit intact. The removed materials shall be salvaged or disposed of by the Contractor.



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Install – Westover Substation Upgrade

Group A - Structures: The Owner will furnish, and the Contractor shall receive, unload at the project site, assemble, and install the new 25 kV structures, bus work, insulators, supports, connectors, wire, fuse cutouts, and associated hardware in the locations as shown on the drawings and in the quantities as shown in the Bill of Materials which are listed in the Appendix.

Group B - Three-Pole Group Operated Air Break Switches: The Owner will furnish and the Contractor shall receive, off-load, assemble, install, adjust, and properly operate in accordance with the manufacturer's instructions, the 25 kV three-pole group operated air break switch located in the distribution substation, and five (5) 1200 A, 69 kV 3-pole group-operated air-break switches located on top of the existing transmission bays in the locations as shown on the drawings.

Group C - Lightning Arresters: The Owner will furnish, and the Contractor shall receive, off-load, assemble, install, and connect all in accordance with the manufacturer's instructions 10 kV MOV lightning arresters, in the locations as shown on the drawings and in the quantities as shown on the Bill of Materials which are listed in the Appendix. Contractor shall also replace six (6) 69 kV lightning arresters.

Group D - Single Pole Disconnect Switches: The Owner will furnish, and the Contractor shall receive, off-load, assemble, install, and connect all in accordance with the manufacturer's instructions, the 25 kV single pole disconnect switches in the locations as shown on the drawings and in the quantities as shown on the Bill of Materials which are listed in the Appendix. The Owner will provide, and the Contractor shall install six (6) new and six (6) replacement 69 kV hookstick switches and jumpers as indicated and shown on the drawings, sections, and detail drawings.



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Group E - Power Circuit Breakers: The Owner will furnish, and the Contractor shall receive, assemble, and install, per the manufacturer's instructions, the two (2) 2000A 15 kV vacuum power circuit breakers, the one (1) 2000A 15 kV tie vacuum power circuit breaker the six (6) 1200A 15 kV feeder power circuit breakers in the locations as shown on the drawings. **In addition, the contractor will install two (2) new 69 kV new vacuum circuit breakers. The two (2) existing 69 kV vacuum circuit breakers will need to be converted from 48 VDC operation to 125 VDC as well as one (1) of the new breakers.** The Owner will furnish the kits, and the Contractor will install them.

Group G - Instrument Transformers: The Owner will furnish, and the Contractor shall receive, off-load, assemble, install, and connect the eight (8) 7.2 kV potential transformers, all in accordance with the drawings and manufacturer's instructions in the quantities as shown on the Bill of Materials which are listed in the Appendix. The Contractor shall furnish and install one (1) three phase VT junction box and one (1) single phase VT junction box for the 7.2 kV VTs. The Owner shall provide, and the Contractor shall install in place of the existing three (3) 69 kV VTs as shown in the drawings.

Group H - Power Transformers: The Owner will have the two (2) 15/20/25 MVA 69-12.5 kV power transformers off-loaded onto the new foundation, fully assembled, oil filled and tested by the manufacturer. The Contractor shall install the high and low voltage bus leads from the 69 and 25 kV disconnect switches and bus work to the transformer bushings and lighting arresters, along with ground grid conductor connections as shown on the drawings. The Manufacturer will supply the crane to set the new transformer in place. The Owner will provide, and the contractor shall receive, off-load, install and connect two (2) 50 kVA station service transformer in the location as shown on the drawings.



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The Contractor shall supply and install the AC safety disconnect switch shown in the Drawings.

Group J - Relay Control Equipment: The Owner will furnish, and the Contractor shall receive, off-load, and install six (6) relay and control cabinets in accordance with the manufacturer's drawings and specifications in the locations shown in the control building drawings.

All other specifications remain the same.

J. Gary Via, Director of Purchasing

Company Name: _____ Signature: _____

Address: _____ Signature: _____

(Printed)

_____ Title: _____

City State Zip Code

Date: _____ e-mail address: _____

Phone No: _____ Fax No: _____