



BID NO. SUB-05B PROCUREMENT OF TWO 220 KV CIRCUIT SWITCHERS WITH SIEMENS ENERGY INC., OF RICHLAND, MISSISSIPPI, IN THE AMOUNT OF \$386,901 AND BID NO. SUB-07B PROCUREMENT OF TWO 66 KV CAPACITOR BANKS WITH SOUTHERN STATES LLC. OF HAMPTON, GEORGIA, IN THE AMOUNT OF \$1,051,069 FOR THE WILDERNESS SUBSTATION

Energy Delivery

Board of Public Utilities

September 22, 2025

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BACKGROUND

1. Riverside Transmission Reliability Project (RTRP) is a critical project that provides a second connection to the state electric transmission grid
2. Requires the new Wilderness Substation, which will connect to Southern California Edison (SCE) via the proposed Wildlife Substation
3. Wildlife Substation will connect to the existing SCE Mira Loma Substation, creating a robust and reliable connection to the transmission grid



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BACKGROUND CONT.

4. Wilderness Substation
 - a. Will be the only 220 kV substation in the City of Riverside
 - b. Will serve RPU's west system
 - c. SCE Vista Substation will continue to supply power to RPU's east system
5. Wilderness Substation will include two 220kV power transformers and six 66kV transmission line
6. Board approved the procurement for two power transformers on January 13, 2025



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SCOPE OF WORK

1. Procurement of two 220 kV Circuit Switchers



Circuit switcher

- A compact high-voltage device that combines a fast interrupter with a visible-open disconnect.
- It's used at substations to switch load and clear faults.



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SCOPE OF WORK

2. Procurement of two 66 kV Capacitors



Capacitors

Provides reactive power for voltage support and power factor correction, lowering losses and increasing feeder/substation capacity



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DISCUSSION – BID RESULTS

1. RPU requested quotes for two 220 kV circuit switchers in response to Bid No. Sub-05B
2. Nine(9) vendors were invited to participate
3. Siemens Energy Inc., Mississippi, was the lowest responsive and responsible bidder.

Vendors	City Location	Bid Amount	Rank
Deloney - Siemens Energy Inc.	Mississippi	\$386,900.96	1
One Source – Southern States		\$699,860.63	2
Royal – IE		NO BID	N/A
MKireps		NO BID	N/A
Vsshuler		NO BID	N/A
MDHenry		NO BID	N/A
Pacific Utilities		NO BID	N/A
Distran		NO BID	N/A
Hambyyoung		NO BID	N/A

Engineer's Estimate

400,000.00

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DISCUSSION – BID RESULTS

1. RPU requested quotes for two 66 kV capacitors in response to Bid No. Sub-07B
2. Six (6) vendors were invited to participate
3. Southern States was the lowest responsive and responsible bidder.

Vendors	City Location	Bid Amount	Rank
Southern States	Georgia	\$1,051,068.75	1
GE	Florida	\$1,366,667.78	2
Hitachi	Canoas – RS, Brazil	\$1,357,564.31	3
Siemens	Brazil	\$368,227.50 Disqualified (late submittal after bid closing and non-compliance with spec requirement)	N/A
Eaton		NO BID	N/A
Arteche		NO BID	N/A

Engineer's Estimate

\$1,300,000.00

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RECOMMENDATIONS

That the Board of Public Utilities:

1. Authorize for the procurement of two 220 kV Circuit Switchers from Bid No. Sub-5B for Wilderness Substation with Siemens Energy Inc., of Richland, Mississippi, in the amount of \$386,901;
2. Authorize for the procurement of two 66 kV Capacitor Banks from Bid No. Sub-07B for Wilderness Substation with Southern States LLC., of Hampton, Georgia, in the amount of \$1,051,069;
3. Authorize the City Manager, or designee, to execute any documents necessary to effectuate the procurement described herein, as well as the ability to make minor non-substantive changes in alignment with all purchasing policies.

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