

Bryan Long

From: Weekley, David <dweekley@meagpower.org>
Sent: Tuesday, April 16, 2024 8:03 AM
To: Bryan Long
Cc: Lego, Doug; Bragg, Randy; Sanders, Casey; Lee, Erik; Reyes-Hernandez, Angel; Yitna, Rebika; McAdam, Gary; Bisig, Holly
Subject: Sandersville # 8 - loading on transformer B
Importance: High

Bryan,

This is an email to follow up on our discussion yesterday for the loading pattern we have been seeing on transformer B at Sandersville # 8. We talked back on March 15 when we asked that the customer make an effort to begin moving some of the load off of transformer B over to transformer C. We were told this would require significant work based on how the padmount transformers supplied by transformer B were loaded on the individual electrical panels supplying the customer's servers.

Based on the loading between transformer B and C, it does not appear that the panel schedules were planned so as to balance the loads more evenly between the transformers. We agreed to allow some grace period for the customer to continue loading transformer B to around 54-55 MVA while plans were made to move some of the load to transformer C. Now it seems that the loading for transformer B not only has not been limited as we had discussed, it has been increased. We have seen consistent loading from 55 up to 61 MVA. This is not following the spirit of what we had discussed.

The two critical pieces of data that we need to monitor are the top oil and winding hot spot temperatures. We are working on a project to bring this data back through SCADA. I asked you to run by the station yesterday and take a picture of these two gauges to allow us some insight on how this constant loading and increasing ambient temperature are impacting transformer B. I also asked that you call the customer, along with Tom Berry and Judy McCorkle if necessary, to emphasize the urgency of the loading on transformer B being addressed. It is important that this message be delivered, and action to transfer some of the load, or at least limit the peak allowed to no more than 55 MVA for transformer B, be addressed immediately.

Please deliver this message today at the latest, and take a picture of the transformer gauges today for top oil and winding hot spot to allow us some insight to how the transformer is doing under the current conditions. If we need to be available to discuss further with the customer or others, let us know.



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Helton Electric Services
 745 Industrial Dr
 Sandersville, GA 31082

Phone #
4785530054

Estimate

Date	Estimate #
5/14/2024	200832
Project	
Rep	
WH	

Web Site	www.heltonelectric.com
Name / Address	
City of Sandersville P.O. Box 71 141 W Haynes Street Sandersville, GA 31082	

Description	Qty	Rate	Total
Clean Spark - \$28,350.00 ***Labor and Material to add the following to move load to different circuit.*** OVERHEAD DETAILS Frame 60' pole, double circuit and set inline. Air frame, 3 phase T-bracket, single phase T-bracket. Tie in all phases and neutral and bond the pole ground. Cut jumper on energized pole to temp single phase. Remove primary and neutral 2 spans to dead-end pole. Roll up all ACSR (two spans) and clean-up site. Remove transformer pole and 1 span of secondary. Take 3 phase underground primary and install on new 60' pole and 1 phase primary on backside of new pole. Install riser on both runs of 1 phase primary and terminate all 4, 1 phase primary. Energize both circuits 3 phase and single-phase underground, check voltage and clean up job site. UNDERGROUND DETAILS Bore to 1 phase transformer and install conduit. Fuse to existing conduit. Pull wire from new riser pole. Switch out existing wire from 3 phase to 1 phase transformer. Fuse 4" conduit and bore to new riser pole. Install 3 phase circuit to transformer and isolate primary to allow 2 transformers on different circuit. ** Notes ** Include 811 locate (does not include private locate) Includes all materials. Includes removal of pole and wire delivered to city shop. Includes removal of existing rock and respreading (does not include hauling new rock) Includes hydro vac to expose existing utilities.		28,350.00	28,350.00

A 3% discount has already been applied to this estimate for payment with cash or check. If paying with a credit card, the discount will be added back to the estimate total. Work to be performed M-F, 7a-5p unless stated otherwise. The undersigned acknowledges and agrees that by signing herein or performance by Helton automatically incorporates the Terms & Conditions located at <<https://heltonelectric.com/terms-and-conditions/>>. If for any reason these you are unable to access our terms and conditions thru our website, a printed copy can be made available to you per request. Estimate Prices may change based on material prices at time of approval. By signing you accept this quote.

_____ (name/ title) _____ (date)
 _____ (signature)

Total	\$28,350.00
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