

**QUESTION AND ANSWERS FOR:**

**RFB # 19-05, 2/20/19 FOR**

**6,000 kW PEAK SHAVING/STAND-BY GENERATION SYSTEM**

1. Is GUC open to the option of 12470V generators or are the generators required to be 480V?  
Vendors should provide a quote per the specifications. Vendors are permitted/encouraged to provide alternates
2. Can you confirm location on map of primary feeders to switchgear and gas line on the site?  
There are no existing electric/natural gas facilities on the site. GUC Electric will install new 15 kV feeders from its distribution system on Macgregor Downs Rd to the site (via Wellness Dr.). Natural gas facilities will follow a similar route.
3. There is mention of geotechnical engineering in the specs. Has there been any soil analysis done in the past? Is there any more detail to this requirement?  
No soil analysis has been done, see section 17.0 for site requirements
4. Can you confirm we have access to PTs on line side of UTILITY breaker to use for soft loading when returning from a standby scenario? If not, can we provide on Utility breaker 52U4 and 52U5?  
Section 14.0 outlines the specifications for the 15 kV Utility Breaker(s) and states a requirement for source side PTs. Any equipment not explicitly stated in the specifications but required to accomplish the operational scope of the technical specifications is the requirement of the materialman.
5. During peak shave mode, we will need to export the excess power onto the grid if hospital load is less than 6MW (based on SOP in section 16 of RFB). Is there a maximum export or can we export all 6MW onto grid?  
Backfeeding onto the grid is not permitted per NCEMPA's Load Side Generation Guidelines. Reverse relaying shall be provided via Schweitzer SEL 351 multifunction relay
6. There is mention on the schematics of use of the L-N 7200V. There is also mention of a solidly ground neutral. Does the load utilize the L-N 7200V?  
GUC distribution system voltage is 12,470V/7,200V grounded wye
7. What is the anticipated load pickup during a stand-by scenario?  
Generator System shall be capable of providing 6,000 kW of stand-by power
8. Is there any concern with bussing into the switchgear 52U4 and 52U5 to make one continuous piece of switchgear?  
Vendors should provide a quote per the specifications. Vendors are permitted/encouraged to provide alternates
9. Are draw out breakers required at the generator or will fixed breakers suffice?  
Vendors should provide a quote per the specifications. Vendors are permitted/encouraged to provide alternates