

GREENVILLE UTILITIES COMMISSION
1,500 kW PEAK SHAVING GENERATION SYSTEM

QUESTIONS AND ANSWERS I

1. Given the size of the project and type (re-purposing of an existing facility) has the GUC determined if a Site Plan Application and Submittal is required by the City? **The facilities are owned by GUC, but placed on a customer site. City is not required to approve Utility projects.**
2. Does GUC have any available subsurface information or mix information regarding the existing concrete pad and surrounding project area? **Our typical concrete spec calls for 4000 psi, air 4 to 6%, slump of 4. Additional concrete mix information is not available.** If no additional information is available, should it be assumed the concrete pad should be replaced for the new generator/generators to meet or exceed the manufacturer and GUC requirements? **GUC will allow the existing generator pad to stay. Responsibility for ensuring that the old pad is sufficient rests solely on the vendor, as well as any liability for foundation failure.**
3. The dispatch of the Mobile Unit is not discussed in detail, given that there are liquidated damages associated with a failure to peak shave, how will GUC dispatch that generator for the project duration? **Our generator tech will travel to the site and start the generator in peak shaving mode, verify that the generator starts, syncs, and picks up load. At the end of the run, he will travel to the site and shutdown the generator, verifying it separates from utility, ramps down and shuts down.**
4. Is any outdoor area lighting included in the project? **No**
5. Is new fencing of the project area required? **No**
6. The on-line indicates a differential zone between the high side of the packaged generator breaker and the neutral side of the generator. The 700GT relay cannot provide phase differential protection, should a 700G relay be used instead? **Please use the SEL 700 model relay which provides phase differential protection.** Are existing CT's present in the 480V side of the GUC provided step down transformer and if so should the generator 87 protection utilize those CT's? **No CT's are available for protection schemes at the transformer. Differential zone of protection does not include the transformer. Vendor to supply all CT's for differential protection.**
7. Would it be possible to visit the site where the peak shaving generation will be installed? **A site visit is not planned at this time.**