

GREENVILLE UTILITIES COMMISSION

QUESTIONS AND ANSWERS FOR 1,500kW PEAK SHAVING GENERATION SYSTEM

SEPTEMBER 20, 2021

1. Page 4, Item # 13: M/WBE Requirements. GUC does not state a % of M/WBE needed. Please provide clarification or a copy of the GUC M/WBE policy. **See pg 63**
2. Page 7, Scope Paragraph 1: State voltage as 15kV. Please clarify so that we can quote the actual voltage (ie, 12.47kV, 13.2kV, 13.8kV, etc). **Generator and switchgear are 480. Step up transformer is provided by utility, with a nominal system voltage of 12.47 kV.**
3. Page 8, Paragraph 2.4: The RFP states bidder should provide "Catalog numbers, manufacturer, ratings, characteristics, types, etc., of all materials and equipment included" Is GUC looking for this at the major equipment level only? I.E. engines, transformers, switchgear, breakers, etc. **Yes.**
4. Page 9, Paragraph 2.17: It appears we are to include all permits including the air permit. Please verify. **Yes**
5. Page 13, Paragraph 6.6: Verify that bidder needs to do all conduits between Gens/CH/transformer. Will the Owner pick up conduit run from transformer to pole connection? **The existing transformer will be used. The utility side of the transformer is already connected and will remain intact so that the rental unit can provide peak shaving during the project.**
6. Page 19, Paragraph 10.1.3: Does a single engine have to achieve 20% of the peak shaving load or can this be achieved by using multiple engines? **As long as the system can operate at 20% we are satisfied. If multiple units are utilized, ensure that the 20% can be achieved if one or more units are out of service.**
7. Page 32, Paragraph 12.6.3: Spec calls for Cutler Hammer Generator breaker. Will Square D or other equivalents be acceptable? **Yes, pending review and approval of breaker specs. Please list as exception.**
8. Page 53: Is the bidder required to demo and remove existing generator? **Required to remove and take ownership of generator, switchgear, fuel tanks and enclosure.**
9. Is there an owner's opinion of probable cost for the project? **We are looking for a competitive bid from all of our bidders. Providing our opinion of cost might skew the process.**
10. Can further details be provided on the existing unit that is to be removed? Make, Model, SN, Hours, etc. Are there any photos available of this unit to develop a reasonable market price? Could a site visit be scheduled to review the unit?
Model SR-4B
S/N 7DN00508
Hours 5347 on 8-18-2021

Caterpillar 1010 kw
Regularly maintained by factory rep.

11. Please advise on the timeframe in which the rental generator set will be required. Is the existing unit to be used during the procurement phase of the project and the rental generator only needed once the existing is removed or does the timeline for the rental start at initial date of contract and extend through completion? **The rental is required to run from the time the existing generator is offline until the new generator is put in service.**

12. Will the rental unit be able to utilize the existing switchgear or will rental switchgear need to be provided with the rental? **The existing switchgear is to be removed. Vendor is responsible for any equipment necessary to connect the rental unit to operate in a peak shaving capacity.**

13. Will a temporary transformer be set for the rental generator set or will the generator utilize the existing connections? **The existing transformer will remain and be used for the rental.**

14. There is mention of geotechnical engineering in the specs (section 16.1). Has there been any soil analysis done in the past? Is there any more detail to this requirement? **To our knowledge, no soil analysis has been done. The existing generator/pad was moved to the site several years ago. We provided the 'typical' pad detail for our generators in the bid package. Vendor is responsible for any geotechnical if necessary for foundation design.**

15. The RFP mentions remediation of the site is the responsibility of the Materialman. Is there any existing conditions / known environmental issue that the Materialman should expect required remediation? **We are not aware of any conditions requiring remediation at this time.**

16. Please advise if the generator set will be required to have factory certified emissions for intended use (peak shaving / non-emergency) or will field verification be sufficient? **Field verification is sufficient as long as it meets all requirements set forth in sections 3.0 and 10.5.**

17. Please advise on the expected run hours per year for this installation. The RFP mentions up to 8 hours of run per day, but based on past projects, the existing installed units normally operate closer to 150-250 hours per year. **Design as per specifications.**