

 <p>CLAYTON COUNTY Water AUTHORITY</p> <p>1600 Battle Creek Road, Morrow, GA 30260</p>	Semi-Annual Generator Preventative Maintenance Services	
	ADDENDUM No. 1	
	DATE	Friday, April 1, 2022
	BID NUMBER	2022-GS-09
	BID OPENING DATE	Tuesday, April 5, 2022
PRE-BID MEETING DATE	Tuesday, March 22, 2022	
ADDENDUM MUST BE SIGNED AND INCLUDED IN YOUR RESPONSE TO THE RFB.		

CLARIFICATIONS

1. The bid opening date for the Semi-Annual Generator Preventative Maintenance Services shall be extended to **Friday, April 8, 2022, at 10:00 a.m. local time.**
2. Please replace Division 4 Specifications, Section 1 Work Assignment and Detail, with the revised version included as part of this addendum. Revisions are highlighted in yellow.

<i>Acknowledgment of receipt of this addendum must be signed and included in your bid response.</i>	
COMPANY NAME	
SIGNATURE	
DATE	

Division 4

Specifications

Section 1: Work Assignment and Detail - Revised

1.1 General

Clayton County Water Authority (CCWA) has fifty nine (59) facilities (scattered throughout Clayton and Henry Counties) that currently have generators. The generators at each of our facilities vary by manufacturer, size, style, and age, as shown on the Bid Form. It is the intent of the CCWA to execute a contract for a period of one year for generator maintenance for all facilities.

The Contractor shall furnish each and every item of labor, together with all materials, tools, supplies, equipment, parts, and machinery necessary to fully complete the work as indicated under “Work Assignment” below.

All work must be performed Monday through Friday between the hours of 7:30 a.m. and 3:30 p.m., with the exception of the Morrow Re-pump Station which must be performed on either Thursday or Friday only, between the hours of 7:30 a.m. and 3:30 p.m. The work shall be under the direct control and supervision of the CCWA with regard to quantities payable, quality of work, work methods, and scheduling of work. Payment should be made net 30 days from receipt of an invoice and upon approval of Contractor’s work. Invoices must show details to include: date, hours worked, site location and address, and equipment for which the work was performed. The Contractor shall correct defects in any service performed before the service will be eligible for payment.

1.2 Work Assignment

The Contractor will provide scheduled maintenance and service for Level 1 and Level 2 as described and specified below: (First time - during annual maintenance service Level 1 Minor inspection, and Second time - 6 months later during the Level 2 Major inspection service with load bank test).

A) **Level 1 Minor** inspection:

- a. **Electrical system – DC** – All battery cables will be checked, cleaned and tightened by the Contractor as required by the CCWA. Anti-oxidant compound will be applied as appropriate. Batteries will be checked for correct specific gravity (if lead acid) and distilled water added as necessary. Float battery charger and/or battery charging alternator will be inspected and tested for proper operation. Cranking battery will be subject to an active load test to determine battery condition. Engine control panel, control components, warning systems and emergency shutdown trip functions will be checked for proper operation (pressure

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- and temperature switches can be tested and calibrated at CCWA's request for a nominal additional charge).
- b. Engine – Diesel – Engine will be observed for unusual combustion noises and the exhaust opacity checked. Tune-ups, injector testing, and related service procedures will be performed as necessary. Lube oil will be drawn for analysis, and oil and filter change will be made if necessary as determined by laboratory analysis. All Lube oil and oil filters must be supplied by the Contractor.
 - c. Cooling System – A complete inspection will be made of cooling system components, including condition of belts, hoses, hose clamps, jacket water heaters, jacket heater controls, water pump seal weep hole, radiator, expansion tank, remote radiator and associated piping. Perform a coolant system flush and refill with proper concentration of anti-freeze coolant according to manufactures specifications. Coolant anti-freeze and concentration must be checked annually, and supplied and replaced by the Contractor.
 - d. Air System – An inspection will be made of complete cooling air intake and discharge systems, including louver shutters for correct operation when generator is running in MANUAL or AUTOMATIC mode. Louver assemblies and damper motors will be lubricated as required. Engine cooling air fan hub and drive sheave bolts will be checked for correct torque. Engine air cleaners will receive a visual inspection, and air inlet restriction will be checked to confirm acceptability for further service. All air filters elements must be supplied and replaced annually by the Contractor.
 - e. Exhaust System –Condensation traps will be opened and drained. Exhaust will be checked for any restrictions. System will be inspected for leaks, and all mounting hardware will be checked and tightened as required. Rain cap condition will be checked and tested annually for proper operation when engine is running.
 - f. Generator System – The generator set will be operated manually under load conditions (building load, if allowed) and Contractor will verify that generator is producing rated AC voltage and frequency and that all control panel instrument and gauges are functioning. In addition, unit will be checked for any unusual engine or generator noise, water oil or exhaust leaks. Generator rear cover will be removed

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to visually inspect the rotating exciter. Whenever possible, the CCWA should allow the system to be tested under load for a minimum run period of 30 minutes to record unit panel instrument readings.

- g. Automatic Transfer Switches – An operational test will be performed. Any problems will be included in the detailed report.
- h. Fuel System – Day tank system level will be verified and float switch, fuel transfer pump and solenoid will be checked for proper operation. Flexible fuels lines, connections and vent will be inspected. Day tank will be checked for water if accessible. All fuel filters must be replaced annually by the Contractor.
- i. General – A visual inspection will be made by the Contractor of vibration isolators, ductwork, weatherproof enclosures, and worn and/or rubbing parts and components.
- j. Reports – Upon completion of the services rendered by the Contractor, a detailed written report will be provided to CCWA describing work that was performed and giving any recommendations for corrective maintenance that is not covered by this Agreement.

B) **Level 2 Major** inspection includes:

- a. **Visual Inspection ONLY** of Level 1 Minor maintenance as described in “a”-“i” above.
- b. Contractor will provide oil and coolant for topping off the units.
- c. Load bank testing as required per industry standard, which must be performed for a minimum of two (2) hours.
- d. Reports – which must be provided electronically. These consist of:
 - 1) Comprehensive – For all services provided under this annual contract;
 - 2) Load bank test results.

END OF SECTION