

CM Spending Authority Request

To: Robert Johnston, City Manager
From: Gene McCullough, Public Works Director
Date: 12/28/2023
Re: Failed generator replacement at Surface Water Treatment Plant (Lake)

The following require your authority per our purchasing policy. Thank you for your consideration.

ISSUE: Current non-functioning generator is a 1940's model, and has finally deteriorated to the point it will not generate electricity and parts are not available. New generators of that size are being quoted at 54 week delivery times. Culver Electric has a 100KW Cummins/Onan unit available, specs attached, for a discounted used price.

1 – 1⁰0KW Kohler Generator (see attached) \$ 34,975.00

I request authorization to complete this unbudgeted purchase, as power outages at the Lake are common and unpredictable, outages cause damage and disrupt operations, and renting a standby is not economical.

BUDGETED AMOUNT: \$ 0.00

CRITICAL STATUS:

- No redundancy, but a work around is temporarily in place.
- Redundancy is in place and currently functioning.
- ALL OPERATIONS CEASED UNTIL REPAIRED/REPLACED

COSTS: \$34,975.00

RECOMMENDATIONS: Approve purchase

MANAGER APPROVAL:

RT
12/28/23

100 KW CUMMINS / ONAN DIESEL GENERATOR

- Mfg. 2002
- Model Number: DGDB-5S58T50W84
- Serial Number: K0W20435T54S5
- Spec: P
- Standby Rated at 100 kw, 3 Phase or 67 kw, Single Phase
- Currently Setup 120/208 Volt, 3 Phase (347 Amps)
- 12 Lead Reconnectable
- 60 Hertz, 1800 RPM, 0.8 PF
- 12 Battery Volts
- Powered by a 5.9L Inline 6 Cylinder Turbocharged Cummins Diesel Engine
- Model Number: 6BT5.9-G6
- Engine Number: 46268536
- Rated 170 HP @ 1800 RPM
- Skid-Mounted
- Radiator Cooled
- QuietSite Sound-Attenuated Enclosure
- 194 Gallon Secondary Containment Base Fuel Tank (UL Listed)
- Detector Analog Control Panel
- 400 Amp 3 Pole Square D Mainline Circuit Breaker
- Jacket Water Heater
- Alternator
- Stanadyne Mechanical Governor
- Mechanical Lift Pump w/ Primer
- Stanadyne Rotary Injector Pump
- Muffler (Mounted Inside Enclosure)
- CSA Approved
- 966 Total Hours Since New
- Dimensions: 128"L x 41"W x 97"H
- LOAD BANK TESTED

Pricing includes re-configuring for 480 volts 3 phase. We would replace the existing 400 amp circuit breaker with a properly sized breaker for that voltage.

The enclosure will be professionally painted as well (factory Onan green).



1823 W. 20th St.
 Elk City, OK 73644
 (580) 243-5846 / (580) 303-9268
 jculver@culverelectric.net

Estimate

ESTIMATE#	3866
DATE	12/19/2023
PO#	

CUSTOMER
Inframark 2200 East Commerce Road Clinton OK 73601 (580) 309-4416

SERVICE LOCATION
Inframark 2200 East Commerce Road Clinton OK 73601 (580) 309-4416

DESCRIPTION
CUSTOMER INTERESTED IN 100KW USED GENERATOR.

Estimate			
Description	Qty	Rate	Total
GENERATOR TECH	16.00	75.00	1,200.00
GENERATOR TECH	16.00	55.00	880.00
100KW LIQUID COOLED GENERATOR USED CUMMINS/ONAN	1.00	32,895.00	32,895.00

CUSTOMER MESSAGE
ESTIMATE FOR USED 100KW GENERATOR. IF THE CITY HAS EQUIPMENT THAT CAN BE USED TO OFFLOAD THE GENERATOR THAT WOULD SAVE SOME MONEY. NOT SURE ABOUT A TRANSFER SWITCH. CAN QUOTE IF NEEDED.

Estimate Total: \$34,975.00

PRE-WORK SIGNATURE

Signed By: