CITY OF JOHNSON CITY PURCHASING DEPARTMENT

209 WATER STREET, P.O. BOX 2150 JOHNSON CITY, TN 37601/37605 PHONE 423-975-2715 FAX: 423-975-2712 purchasing@johnsoncitytn.org



Invitation to

Quote

1/3/2024	QUOTE NOT LATER THAN 1/12/24 by 2:00 PM	DELIVERY TIMEFRAME:	TIMEFRAME	PROPOSED:
	ITQ 2023-28 52	KW STANDBY GENSE	T	
QUOTE RESPONSE MUST BE SUBMITTED		WE QUOTE YO	OU AS BELOW	
TO: City of Johnson City Purchasing Office		NAME OF COMPANY:		
REPLY VIA MAIL, EMAIL or FAX		ADDRESS:		
	ONTACT (for inquiries only): Tim Proffitt			
tproffit	t@johnsoncitytn.org	PHONE:		
	REIGHT PREPAID & ALLOWED.	DV. (CICNIATUDE)		
BASE YOUR QUOTATION ON THE TERMS AND CONDITIONS INCLUDED AND/OR PRINTED HEREON.		BY: (SIGNATURE)OFFICAL TITLE:		
TERMS: NET 30 DAYS		QUOTATION DATE:		
QUOTE ON THIS FOR				
QUANTITY		IDTI∩N	UNIT PRICE	TOTAL
QOTACTION	DESCR			

Bidder must complete and return this form for the quote to be considered responsive. A check mark shall be placed in the areas of specification agreement. Variances must be clearly identified, and bidder may use a separate sheet if necessary. Failure to comply with any part of the specifications will not remove that quote from consideration but will indicate a variance on which the City alone will determine the importance to the overall performance of the item and suitability for the intended purpose. Specifications are <u>minimum specifications</u>, unless otherwise noted, and respondents shall meet or exceed the specifications. Equipment quoted is to be new, unused and of the Manufacturer's latest model. Any omission from the specifications shall not relieve the respondent from the responsibility of furnishing an 52KW standby generator with automatic transfer switch ready for use.

City's Specifications

Respondent's Equipment

Acceptable manufacturers: Kohler ONLY.	
Quantity: 1 – 52 KW generator with automatic transfer switch	
Make: Please specify	
Model: Please specify	
The generator set shall be Standby Duty rated for the specified KW rating	
The generator set shall be 52 KW STANDBY RATED, with an alternator rated for a Class B 80°C temperature or Class F 105°C temperature rise CONTINUOUS. It sprovide 65 KVA and 52 KW when operating at 120/208 volts, 60 Hz, 0.80 power factor STANDBY. The generator set shall be capable of a 130°C STANDBY rating while operating in an ambient condition of less than or equal to 104°F and a maximum elevation of 2,000 feet above sea level. The standby rating shall be available for the duration of the outage.	
The generator output shall be 52KW @ 1800 RPM 0.8 power factor, 208 V, 3-phase, 60 hertz	

The generator shall be capable of starting motor loads of 50 kVA inrush with a maximum voltage

<u>City's Specifications</u>	Respondent's Equipment
dip of 20%	
Vibration isolators shall be provided between the engine-generator and heavy duty steel base	
The generator set shall be sound attenuated to a level suitable for a residential area	
Engine:	
The engine shall be diesel fueled, four (4) cycle, water-cooled, turbocharged, low BSFC/EPA Tier 3	
The engine shall be equipped with the following: a. The engine governor shall be an electronic Engine Control Module (ECM) with 24-volt DC Electric Actuator	е
b. Steady-state frequency regulation shall be +/- 0.25%	
c. Speed droop shall be adjustable from 0 (iso-chronous) to 10%, from no load to full rated load	
d. DC electric positive engagement solenoid shift- starting motor	
e. A current limiting battery charger shall be furnished to automatically charge the batteries. The charger shall be dual charge rate with automatic switching to the boost rate when required. The charger shall be mounted on the	
genset package. f. Batteries shall be heavy duty lead acid type	
The fuel system shall be integral with the engine. In addition to the standard fuel filters provided by the engine manufacturer, there shall also be installed a primary fuel filter/water separator in the fuel inlet line to the engine. All fuel piping shall be black iron or flexible fuel hose rated for this service. No galvanized piping will be permitted. Flexible fuel lines shall be minimally rated for 300 degrees F and 100 psi.	
COMPANY NAME:	_

City's Specifications

Respondent's Equipment

The generator set shall be equipped with a rail-mounted, engine-driven radiator with blower fan and all accessories. The cooling system shall be sized to operate at full load conditions and 120 F° ambient air entering the enclosure. The generator set supplier is responsible for providing a properly sized cooling system based on the enclosure static pressure restriction.	
Engine shall be certified as LOW BSFC / EPA TIER 3 The engine must meet applicable EPA non-road mobile regulations and/or the EPA NSPS rule for stationary reciprocating compression ignition engines. Additionally, the engine shall comply with the State Emission regulations at the time of installation/commissioning. Actual engine emissions values must be in compliance with applicable EPA emissions standards per ISO 8178 – D2 Emissions Cycle at specified ekW / bHP rating. Utilization of the "Transition Program for Equipment Manufacturers" (also known as "Flex Credits") to achieve EPA certification is not acceptable.	
Engines shall start, achieve rated voltage, and freeway, and be capable of accepting load within 10 seconds of detected power interruption.	
Generator:	
The synchronous three phase generator shall be a single bearing, self-ventilated, drip-proof design in accordance with NEMA MG 1 and directly connected to the engine flywheel housing with a flex coupling.	
The excitation system shall enable the alternator to sustain 300% (250% for 50Hz) of rated current based on the 125C (Class H) rise rating for ten seconds during a fault condition and shall improve the immunity of the voltage regulator to non-linear distorting loads.	
COMPANY NAME:	

<u>City's Specifications</u> <u>Respondent's Equipment</u>

The excitation system shall be of brushless construction and be independent of main stator windings (either permanent magnet or auxiliary windings).	
The insulation shall meet the NEMA standard (MG1-22.40 and 16.40) for Class H and be tropicalized	
The microprocessor based voltage regulator shall be capable of maintaining voltage within +/- 0.25% at any constant load from 0% to 100% of rating.	
The generator shall meet performance class G2 of ISO 8528.	
Controller:	
The generator must meet NFPA-110 Level 1 requirements (1999 version) and must have an integral alarm horn as required by NFPA.	
The generator must meet NFPA-99 and NEC must also be accommodated.	
The generator set control shall be tested and a40°C to +70°C operating temperature range b. 100% humidity, condensing	
 The following functionality shall be integral to the control panel. a. The control shall include a LCD display with text based alarm/event descriptions. b. Audible horn for alarm and shutdown with horn silence switch c. Remote start/stop control d. Local run/off/auto control integral to system Microprocessor e. Lamp test 	
COMPANY NAME:	

Cit	y's Specifications	Respondent's Equipment
f.	Emergency stop push button	
	ntrol Functional Requirements: Field programmable time delay for engine start. Adjustment range, 0-15 minutes in 1 second increments.	
b.	Field programmable time delay engine cool down. Adjustment range, 0-99 minutes in 1-minute increments.	
C.	Output for overcurrent if the generator reaches a user programmable percentage of its kW rating. Load shed must also be enabled if the generator output frequency falls below 59 Hz (60 Hz system) or 49 Hz (50 Hz system).	
d.	Programmable cyclic cranking that allows up to six crank cycles and up to 45 seconds of crank time per crank cycle.	
	monitored functions must be viewable on the tal display.	
a.	following generator functions must be monitored: Generator AC voltages – Line to Line, Line to Neutral, Average, 1.0% accuracy Generator AC currents – Per phase and Average, 1.0% accuracy Generator AC frequency, 1.0 accuracy	
a. b. c.	ine parameters listed below shall be monitored: Coolant Temperature Oil Pressure Battery Voltage Engine RPM	
and All a	controller shall monitor and provide alarm indicatio subsequent shutdown for the following conditions. alarms and shutdowns are accompanied by an enging r stamp that is stored by the control panel for first	
COI	MPANY NAME:	

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Respondent's Equipment

and last occurrence. The following will cause an Engine Alarm/Shutdown: a. High coolant temperature alarm/shutdown b. Watchdog (CPU Functioning) shutdown c. Low oil pressure alarm/shutdown d. Loss of coolant shutdown e. Overcrank shutdown f. Overspeed shutdown g. Low coolant temperature alarm	
The following will cause a Generator Alarm/Shutdown: a. Generator phase sequenceb. Generator over voltagec. Generator under voltaged. Generator over frequencye. Generator under frequency	
The following must be programmable from the controller keypad: a. time delay settings b. generator run time (0 to 72 hours) – exercise c. load shed d. engine start e. engine cooldown f. overvoltage and undervoltage delays g. crank on and crank pause time h. idle time i. Trip point settings j. high battery voltage k. low battery voltage l. overspeed m. underfrequency n. overfrequency o. overvoltage p. undervoltage	
The generator set shall interface to the SCADA control system. Hardwired I/O shall include the following: a. Generator run status b. Generator fault c. Generator low fuel	
COMPANY NAME:	

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Generator Weather/Sound Protective Enclosure
The complete diesel engine generator set, including generator control panel, engine starting batteries and fuel oil tank, shall be enclosed in a factory assembled, weather protective enclosure mounted on the fuel tank base.
The enclosure must provide security from vandals and be aesthetically pleasing as well. In addition the enclosure must meet applicable National Electric Code (NEC) and National Fire Protection Association (NFPA) codes relating to clearances of all items included with the Generator Set.
The performance of the enclosure must be in accordance with the Generator Set's specific requirements for cooling and combustion airflow. Clearances must be adequate for maintenance personnel and/or doors must be located such that service personnel have adequate access.
The enclosure will be of Modular construction allowing complete flexibility in design and use. The enclosure must be capable of being modified in the factory or after installation to meet various field conditions.
A weather resistant enclosure of steel with electrostatically applied powder coated baked polyester paint. It shall consist of a roof, side walls, and end walls. Fasteners shall be either zinc plated or stainless steel. Handles shall be key lockable, all doors keyed alike, and hinges shall be zinc die cast

Intake louvers and enclosure overall must be able to maintain less the .01 ounces of moisture penetration per square foot of louver free

or stainless steel. Access doors shall be hinged and

can be lifted off after opening 90 degrees.

City's Specifications	Respondent's Equipment
area during a 4"/hr rainfall. Intake openings shall be screened to prevent the entrance of rodents or pests.	
Radiator cooling air shall be discharged vertically through the roof of the enclosure.	
Lifting provisions must be provided in the base that enables the complete Gen-set with the enclosure to be lifted without damage.	
The roof must be capable of supporting the largest commercially available silencer recommended for this particular model Gen-set.	
Exhaust silencer(s) shall be mounted above the roof using heavy-duty corrosion resistant brackets.	
The exhaust system shall include a roof penetration section that will eliminate rain or water run-off from entering the enclosure.	
The generator set shall be sound attenuated to a level suitable for a residential area. The generator set shall be provided with a sound attenuated enclosure. The generator set shall also include an exhaust silencing system and an air intake silencing system. The overall sound attenuating enclosure design shall limit the sound pressure at 60Hz full load at 23ft to 64dB(A).	
Exterior Finish: The exterior coating has been tested to withstand continuous salt spray testing at 100 percent exposure for 244 hours to a 5 percent salt solution at 92-97 F. The coating has been subjected to full exposure humidity testing to 100 percent humidity at 100 F for 24 hours. Tests are to be conducted in accordance with The American Standard Testing Methods Society.	
Exterior Color: The exterior coating shall be Manufacture Standard	
COMPANY NAME:	_

City's Specifications

Respondent's Equipment

Double Wall Sub	Base Fuel Tank
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Double Wall Sub Base Fuel Tank	
Provide a double wall sub-base tank constructed to meet all local codes and requirements. A fuel tank base of 24 hour capacity shall be provided as an integral part of the enclosure. It shall be contained in a rupture basin with 110% capacity. A locking fill cap, a mechanical reading fuel level gauge, low fuel level alarm contact, and fuel tank rupture alarm contact shall be provided.	
The sub base fuel system is listed under UL 142, sub section entitled Special Purpose Tanks EFVT category, and will bear their mark of UL Approval according to their particular classification.	
The above ground steel secondary containment rectangular tank for use as a sub base for diesel generators is manufactured and intended to be installed in accordance with the Flammable and Combustible Liquids Code—NFPA 30, the Standard for Installation and Use of Stationary Combustion Engine and Gas Turbines—NFPA 37, and Emergency and Standby Power Systems—NFPA 110.	
Primary Tank Construction: It will be rectangular in shape and constructed in clam shell fashion to ensure maximum structural integrity and allow the use of a full throat fillet weld.	
Steel Channel Support System: Reinforced steel box channel for generator support, with a load rating of 5,000 lbs. per gen set mounting hole location. Full height gussets at either end of channel and at gen set mounting holes shall be utilized.	
Venting: Normal venting shall be sized in accordance with	

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Respondent's Equipment

the American Petroleum Institute Standard No 2000, Venting Atmospheric and Low Pressure Storage Tanks not less than 1-1/4" (3 cm.) nominal inside diameter. A 1 -1/4" atmospheric mushroom cap shall be furnished and the installing contractor shall pipe above the highest fill point as a minimum.	
Emergency Venting: The emergency vent opening shall be sized to accommodate the total capacity of both normal and emergency venting and shall be not less than that derived from NFPA 30, table 2-8, and based on the wetted surface area of the tank. The wetted area of the tank shall be calculated on the basis of 100 percent of the primary tank. A zinc plated emergency pressure relief vent cap shall be furnished for the primary tank. The vent is spring-pressure operated: opening pressure is 0.5/psig and full opening pressure is 2.5 psig. Limits are stamp marked on top of each vent. The emergency relief vent is sized to accommodate the total venting capacity of both normal and emergency vents.	
Fuel Fill: There shall be a 2" NPT opening within the primary tank with an 8" raised fill pipe and lockable manual fill cap.	
Fuel Level: A direct reading, UL listed, magnetic fuel level gauge with a hermetically-sealed vacuum tested dial shall be provided to eliminate fogging.	
Low Fuel Level Switch: Consists of a 50 watt float switch for remote or local annunciation of a (50% standard) low fuel level condition.	
Accessories:	
Provide a generator mounted 80% circuit breaker,	
COMPANY NAME:	

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molded case type 125 amp trip, 3 pole. The breaker shall be UL/CSA Listed and connected to engine/generator safety shutdowns. Breaker shall be housed in an extension terminal box which is solated from vibrations induced by the generator set. Mechanical type lugs, sized for the circuit breaker feeders shown on drawing, shall be supplied on the load side of breaker.	
Engine block heater. Thermostatically controlled and sized to maintain manufacturers recommended engine coolant temperature to meet the start-up requirements of NFPA-99 and NFPA-110, Level 1.	
Critical Silencer. A residential grade silencer, companion flanges, and flexible stainless steel exhaust fitting properly sized shall be furnished and installed according to the manufacturer's recommendation. The engine exhaust silencer shall be temperature and rust resistant, and rated for critical applications. The silencer will reduce total engine exhaust noise by 25-35 db(A).	
Quality Assurance:	
The complete power generation system, including engine, generator, and switchgear, shall be the product of one manufacturer who has been regularly engaged in the production of complete generating systems for a least ewenty (20) years. All components shall have been designed to achieve optimum physical and performance compatibility and prototype tested to prove integrated design capability. The complete system shall have been factory fabricated, assembled, and production tested. The naming of a specific manufacturer does not waive any requirements of this specification.	
Responsibility:	

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The responsibility for performance to this specification shall not be divided among individual component manufacturers, but must be assumed solely by the primary manufacturer. This includes generating system design, manufacture, test, and having a local supplier responsible for service, parts, and warranty for the total system.	
Minimum Service & Warranty Qualifications:	
The manufacturer shall have a local authorized dealer who can provide factory-trained servicemen, the required stock of replacement parts, technical assistance, and warranty administration.	
The engine-generator supplier shall maintain 24-hour parts and service capability within 100 miles of the project site. The distributor shall stock parts as needed to support the generator set package for this specific project. The supplier must carry sufficient inventory to cover no less than 80% parts service within 24hrs and 95% within 48 hours.	
Warranty Terms:	
The manufacturer's and dealer's extended warranty shall in no event be for a period of less than two (2) years from date of initial start-up of the system and shall include repair parts, labor, reasonable travel expense necessary for repairs at the jobsite, and expendables (lubricating oil, filters, antifreeze, and other service items made unusable by the defect) used during the course of repair.	
Quotes that do not meet the above min warranty, will not be considered (specify)	
Maintenance & Spare Parts:	
The system manufacturer's authorized dealer	

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seven (7) days in advance.

Respondent's Equipment

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shall furnish the owner's engineer with a copy of any contract maintenance agreement negotiated relative to the equipment specified in this section. The contract information shall detail agreed maintenance intervals, work to be performed at each interval, reimbursement schedule for maintenance work, and owner's responsibilities versus dealer's responsibilities.	
Provide a priced listing of all recommended spare parts with the quote package.	
Start-up & Training:	
Furnish the services of a factory-authorized service representative to verify the installation of the generator and transfer switch and, instruct the Owner's personnel in the operation, maintenance, and adjustment of the generator and related equipment. Provide a minimum of eight (8) hours on-site testing and instruction time scheduled	

COMPANY NAME:		

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Respondent's Equipment

Automatic Transfer Switch:

The ATS unit shall be an ASCO model number D03AUSA30150CGXS44G11BG73A, or City Engineer alternate. Note: Supplier to confirm model number is complete and meets all specification requirements	approved
Quantity: 1	
Mechanically Held Transfer Switch:	
The transfer switch unit shall be electrically operated and mechanically held. The electrical operator shall be a single-solenoid mechanism, momentarily energized. Main operators which include overcurrent disconnect devices will not be accepted. The switch shall be mechanically interlocked to ensure only one of two possible positions, normal or standby.	
The switch shall be positively locked and unaffected by momentary outages so that contact pressure is maintained at a constant value and temperature rise at the contacts is minimized for maximum reliability and operating life.	
All main contacts shall be silver composition. Switches rated 600 amperes and above shall have segmented blow-on construction for high withstand current capability and be protected by separate arcing contacts.	
Inspection of all contacts shall be possible from the front of the switch without disassembly of operating linkages and without disconnection of power conductors. A manual operating handle shall be provided for maintenance purposes. The handle shall permit the operator to manually stop the contacts at any point throughout their entire travel to inspect and service the contacts when required.	
COMPANY NAME:	

City's Specifications	Respondent's Equipment
Designs utilizing components of molded-case circuit breakers, contactors, or parts thereof which are not intended for continuous duty, repetitive switching or transfer between two active power sources are not acceptable.	
Where neutral conductors must be switched, the ATS shall be provided with fully rated neutral transfer contacts.	
Where neutral conductors are to be solidly connected, a neutral terminal plate with fully-rated AL-CU pressure connectors shall be provided.	
Overcurrent Protection Device – The normal connection shall be provided with a 125 AMP thermal magnetic, 3 pole, 80% rated molded case circuit breaker. It shall have a thermal magnetic trip unit	
Microprocessor Controller:	
The controller shall direct the operation of the transfer switch. The controller's sensing and logic shall be controlled by a built-in microprocessor for maximum reliability, minimum maintenance, and inherent serial communications capability and the ability to communicate via the Ethernet through optional communications module.	
The controller shall be connected to the transfer switch by an interconnecting wiring harness. The harness shall include a keyed disconnect plug to enable the controller to be disconnected from the transfer switch for routine maintenance.	

COMPANY	NAME:		

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A single controller shall provide single and three phase capability for maximum application flexibility and minimal spare part requirements. Voltage sensing shall be true RMS type and shall be accurate to ± 1% of nominal voltage. Frequency sensing shall be accurate to ± 0.1Hz. Time delay settings shall be accurate to ± 0.5% of the full scale value of the time delay.	
The controller shall be enclosed with a protective cover and be mounted separate from the transfer switch unit for safety and ease of maintenance. Sensing and control logic shall be provided on printed circuit boards.	
Interfacing relays shall be industrial grade plug-in type with dust covers.	
The controller shall meet or exceed the requirements for Electromagnetic Compatibility (EMC) as follows: a. ANSI C37.90A/IEEE 472 Voltage Surge Test b. NEMA ICS – 109.21 Impulse Withstand Test c. IEC 60947 – 6 – 1 Multiple Function Equipment Transfer Switching Equipment. 61000-4 Testing And Measurement Techniques – Overview d. IEC 61000 – 4 - 2 Electrostatic Discharge Immunity b. IEC 61000 – 4 - 3 Radiated RF Field Immunity e. IEC 61000 – 4 - 4 Electrical Fast Transient/Burst Immunity f. IEC 61000 – 4 - 5 Surge Immunity g. IEC 61000 – 4 - 6 Conducted RF Immunity h. CISPR 11 – Conducted RF Emissions and Radiated RF Emissions	
Environmental Ratings:	
The ATS unit shall be furnished in a NEMA Type 4X stainless steel enclosure.	
COMPANY NAME:	

City's Specifications	Respondent's Equipment
The ATS unit shall be designed to operate at an ambient temperature from -20C to +70C (-4F to 158F).	
The storage temperature range shall be -40C to +85C (-40F to 185F).	
The ATS unit shall be designed to operate with relative humidity of 5% to 95% non-condensing.	
The ATS unit shall be rated to operate at altitudes less than or equal to 3,300 feet (1000 m).	
The enclosure shall be equipped with a strip heater to prevent condensation inside the enclosure.	
The enclosure shall be lockable	
Electrical Ratings:	
The ATS unit shall be designed to operate from an input voltage of 208 VAC ±10%.	
The ATS unit shall operate from an input voltage frequency range from 57 to 63 Hz.	
The ATS shall be rated for 150 amps.	
The ATS shall be 3-pole (Solid Neutral)	
The ATS shall be Service Entrance rated	
Withstand and Closing Ratings – The ATS shall be rated to close on and withstand 22,000 A rms symmetrical short circuit current at the ATS terminals with the type of overcurrent protection shown on the plans.	
Control System Interface:	
ATS interface to the SCADA/Telemetry system	
COMPANY NAME:	

City's Specifications	Respondent's Equipment
with hardwired I/O shall include: a. Transfer Switch Normal b. Transfer Switch Standby	
Voltage & Frequency Sensing:	
Undervoltage 70 to 98% 85 to	e pout, and trip
•	100%
Repetitive accuracy of all settings shall within 1% at +25°C.	be
Voltage and frequency settings shall be adjustable in 1% increments either loca the display and keypad or remotely via communications port access.	lly with
Source status screens shall be provided both normal & standby to provide digita readout of voltage and frequency. Note: Single phase sensing on standby	
Time Delays:	
An adjustable time delay shall be provide override momentary normal source out delay all transfer and engine starting signals.	ages and
An adjustable time delay shall be provide transfer to standby, adjustable from 0 to minutes for controlled timing of transfer to standby.	0 60

City's Specifications	Respondent's Equipment
An adjustable time delay shall be provided on retransfer to normal, adjustable 0 to 10 hours. Time delay shall be automatically bypassed if standby source fails and normal source is acceptable.	
A cooldown time delay shall be provided on shutdown of engine generator, Adjustable 0 to 60 minutes.	
All adjustable time delays shall be field adjustable without the use of tools.	
Additional Features:	
A set of contacts rated 5 amps, 30 VDC shall be provided for a low-voltage engine start signal. The start signal shall prevent dry cranking of the engine by requiring the generator set to reach proper output, and run for the duration of the cool down setting, regardless of whether the normal source restores before the load is transferred.	
The user interface shall be provided with test/reset modes. The test mode will simulate a normal source failure. The reset mode shall bypass the time delays on either transfer to standby or retransfer to normal.	
Auxiliary contacts rated 10 amps, 250 VAC shall be provided consisting of one contact, closed when the ATS is connected to the normal source and one contact, closed, when the ATS is connected to the standby source.	
LED Indicating lights shall be provided, one to indicate when the ATS is connected to the normal source (green) and one to indicate when the ATS is connected to the standby source (red). Also provide indicating lights for both normal and standby source availability. Additionally provide	
COMPANY NAME:	

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indicating lights for switch not in automatic mode (manual); and blinking (amber) to indicate transfer inhibit.			
Terminals shall be provided to indicate actual availability of the normal and standby sources, as determined by the voltage sensing pickup and dropout settings for each source.			
In-phase Monitor - An Inphase monitor shall be inherently built into the controls. The monitor shall control transfer so that motor load inrush currents do not exceed normal starting currents, and shall not require external control of power sources. The inphase monitor shall be specifically designed for and be the product of the ATS manufacturer.			
Selective Load Disconnect – Not Required			
Programmable Engine Exerciser - A seven or fourteen day programmable engine exerciser with digital readout display. Shall include one form C contact for availability of normal and standby. Include "with or without" load control switch for exerciser period. The exerciser shall be backed up by a permanent battery.			
A Transient Voltage Surge Suppression (TVSS) with a surge current rating of 65kA shall be provided with individually matched fused metal oxide varistors (MOVs). It shall include LED status indication of normal operation, under voltage, power loss, phase loss or component failure. Shall include form C dry contacts for external alarm or monitoring.			
Quality Assurance:			
The ATS unit shall be manufactured by one supplier in an ISO 9001 certified facility.			
COMPANY NAME:	_		

<u>City's Specifications</u>	Respondent's Equipment
The ATS unit and all associated optional equipment shall be UL listed and labeled. A UL label shall be attached inside each unit as verification.	
The ATS unit shall be designed, constructed and tested in accordance with UL, CSA, NEMA & NEC standards and shall be third party certified by UL, CSA and NOM.	
The manufacturer of the ATS unit shall have been specialized in the design and production of ATS units for a period of at least 10 years.	
All factory supplied options shall be completely tested for successful operation before shipment.	
Quality Assurance documentation shall be furnished to the owner to verify successful completion of the above tests.	
Warranty Terms:	
The manufacturer's and dealer's extended warranty shall in no event be for a period of less than two (2) years from date of initial start-up of the system and shall include repair parts, labor, reasonable travel expense necessary for repairs at the jobsite, and expendables (lubricating oil, filters, antifreeze, and other service items made unusable by the defect) used during the course of repair.	
Quotes that do not meet the above min warranty, will not be considered (specify)	
Start-up & Training:	
The ATS unit manufacturer shall provide a factory certified technical representative to supervise the contractor's installation, testing and start-up of the soft start controller unit(s) furnished under this	
COMPANY NAME:	_

<u>City's Specifications</u>	Respondent's Equipment	
specification for a maximum total of 1 day.		
An on-site training course of 1 training day shall be provided by a representative of the ATS unit manufacturer to plant and/or maintenance personnel.		

COMPLETE AND RETURN WITH QUOTE PACKAGE

COMPANY	NAME:		



CITY OF JOHNSON CITY, TENNESSEE

http://www.johnsoncitytn.org/purchasing

INVITATION TO QUOTE GENERAL TERMS AND CONDITIONS (Read Carefully)

1. ACCEPTANCE, REJECTION AND POSTPONEMENT

Issuance of a request for quotation does not commit the City to make an award. The City reserves the right to postpone or reject any or all submittals, to waive informalities and to accept the itq judged to be in the best interest of the City.

2. ADDENDA

Addendum's will be issued to all known interested parties and posted on the City's website (listed above). All addenda issued shall become part of the ITQ documents. It is the vendor's responsibility to determine and acknowledge any or all addenda's issued for a solicitation.

3. AWARD

An award, if made, shall be to the lowest responsible, responsive vendor(s) or best quotation meeting quality and performance standards as described in the solicitation documents and whose itq is determined to be in the best interest of the City. The City also reserves the right to award this product/service based on other contracts in-place (state or cooperative contracts), as may be in our best interest.

4. AWARD PERIOD

The City shall have 60 days to issue a contract. Any contract past that period must be mutually agreed upon by both parties.

5. ITQ TABULATIONS

ITQ tabulations will be posted and available the next business day on our above website. Select "awarded/opened solicitations".

6. BRAND NAMES

By referencing a brand name or equal, the City intends to establish a minimum level of quality by which alternate offers can be judged. If an alternate is offered, the vendor must include complete descriptive literature and specifications that clearly describe the item <u>and how it differs</u> from the referenced item. Vendor reference to literature previously submitted will not satisfy this provision. Unless specified otherwise, it is understood that the referenced product will be furnished. The City alone will determine whether an alternate is equivalent and meets the standards of quality and performance for the City's use. A sample or demonstration may be required at the expense of the vendor.

7. CONDITION STANDARDS

It is understood and agreed that any item offered or shipped as a result of this solicitation shall be new and unused and the manufacturer's latest model unless otherwise called for in the solicitation.

8. DEFAULT

In case of contractor default or failure to provide material or service according to the solicitations, the City may cancel this contract and acquire from another source and may recover any excess cost by (1) invoice; (2) deduction from an unpaid balance due; or (3) a combination of the aforementioned remedies or other remedies provided by law. All costs associated with default will be borne by the contractor. The City reserves the right to remove a company in default from the active vendor list for a time period to be determined by the Director of Purchasing.

9 DELIVERY

Delivery/completion schedule must be clearly identified and realistically stated, as this may be a determining factor in the award.

10. DISCOUNT AND PAYMENT

Payment terms are Net 30 following receipt of the material or service and a correct invoice unless otherwise stated in the solicitation document. Discounts for prompt payment will not be considered. Partial payment will be allowed only if addressed in the solicitation.

11. EQUAL OPPORTUNITY

It is the policy of the City of Johnson City to ensure compliance with Title VI of the Civil Rights Act of 1964; 49 CFR, Part 21; related statutes and regulations to that end that no person shall be excluded from participation in or be denied benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance or any other funding source on the grounds of race, color, sex, national origin, or ancestry. By virtue of submitting a response to this solicitation, vendors agree to comply with the same non-discrimination policy.

12. EVALUATION

ITQ's will be evaluated according to the criteria set forth in the document with the degree of importance determined by the City.

13. EXAMINATION OF ITQ'S

ITQ's and associated documents may be examined after award.

14. FOB (FREE-ON-BOARD) POINT

All prices quoted shall be FOB destination, freight prepaid and allowed unless otherwise stated in the solicitation document. The seller pays and bears the freight charges and owns the goods while they are in transit. Title passes at the designated City location.

15. INDEMNIFICATION

The vendor shall guarantee and certify by submitting a response to this solicitation that if successful, they shall indemnify and defend the City against any and all claims or legal actions arising as a result of their performance of the contract, whether or not such claims relate to damages or alleged damages sustained by physical injury to contractors personnel, subcontractors, city employees or other persons, or against any lawsuits arising from alleged or actual patent infringements, and shall hold the City, its various departments, employees, and any and all persons or entities acting on its behalf harmless from the same.

16. INSPECTION

All supplies or materials purchased as a result of this solicitation are subject to inspection and rejection by the City. Rejected materials will be returned at the vendor's expense.

17. INSURANCE

The contractor shall maintain, at their expense, such insurance as required by the solicitation. Such insurance shall protect the City for claims of damages which may arise during operations under this contract whether such operations be by the Contractor or by any subcontractor or anyone directly or indirectly employed by either of them. Any required insurances shall be maintained for the term of the contract and beyond the term of the contract when so required in the solicitation.

18. LICENSES, FEES, PERMITS

The contractor is responsible for furnishing the proper licenses, fees, and permits required by law to do business with the City of Johnson City in completion of the project. All work shall be done in accordance with the latest building codes, state and federal laws relative to the contract.

19. MULTIPLE ITEM AWARD

The City will determine the successful vendor(s) either on the basis of the individual line items or the total of all items. ALL OR NONE submittals must be clearly identified on the quote form and will be considered only if in the City's best interest.

20. NON-COLLUSION AGREEMENT

By submitting this solicitation, the agent representing all officers, partners, owners, representatives, employees or interested parties of the vendor's firm certifies to the best of his/her knowledge and belief this itq to the City of Johnson City, Tennessee has not been prepared in collusion with any other seller, proprietor, or manufacturer of similar products or services. The agent also certifies that the prices, terms and conditions of said itq have been arrived at independently and have not been communicated by the submitter, nor by any of the aforementioned firm associate to any other seller, proprietor, or manufacturer of similar products or services and will not be communicated prior to the official

opening of said solicitation. The agent further states that no official or employee of the City of Johnson City has promised any personal, financial or other beneficial interest, either directly or indirectly, in order to influence award of this solicitation.

21. PARTS AND SERVICE

The successful vendor must be able to provide adequate parts and service for all items awarded. Service location and ability to perform may be a consideration in the award.

22. PENALTIES

Vendors may be removed from our active vendor system for any of the following:

- Failure to respond to three consecutive solicitations
- Failure to meet delivery requirements
- Failure to furnish items as a result of a solicitation
- Failure to provide service or material as a result of the award
- Offers of gratuities or favors to any City employee

23. PRICING

All pricing must appear in the spaces provided on the city's form (if applicable) and be in ink or typed. Changes or corrections by the vendor must be initialed in ink by the person signing. No corrections may be made in pencil. Unit prices will prevail in case of an extension error. The City will correct math computation errors (unit price & totals). No pricing may be altered or amended after submittal deadline. Obvious mistakes will be given special consideration upon receipt of written request and full disclosure or evidence regarding pricing error.

24. PROPRIETARY/CONFIDENTIAL INFORMATION

Vendors are hereby notified that all information submitted as part of, or in support of, itq's will be available for public inspection after award of such itg, in compliance with Tennessee Statutes.

25. PROTEST PROCEDURE

Any protest to the award of a contract by the City of Johnson City shall be submitted in writing to the Director of Purchasing with a copy to the City Manager and delivered not later than seven (7) calendar days from the date of the city's award decision. Such protest must include a protest bond in the amount of \$350 (cashier's check payable to the City of Johnson City or Cash) submitted to the Purchasing Director before the City will consider the protest. This protest bond will serve as a guarantee by the protester of the validity and accuracy of the protest. If the protest is denied by the City Manager the bond will be retained to cover costs associated with the protest.

26. QUESTIONS

Questions must be received by the City at least two (2) working days prior to the submittal deadline. No oral interpretations or instructions given by any city employee or any other person shall apply. Changes relative to any solicitation will be in writing, in the form of an addendum.

27. SAFETY STANDARDS

All manufactured items and fabricated assemblies shall comply with applicable requirements of OSHA/TOSHA and any related standards thereto.

28. SAMPLES

Samples will be furnished at no charge to the City. They will remain in the Purchasing Department for testing and evaluation until an award is made. Vendors are responsible for picking up their samples within two (2) weeks after the award. Samples not collected after that time shall become the property of the City. Samples from the successful vendor will be held until delivery is received and accepted as being equal to the

29. SIGNATURE ON ITQ's

The itg form must contain the full name and address of the company and be signed in lnk by a person authorized to bind that company to a contract.

30. SUBMITTAL OF ITQ'S

Any forms furnished by the city must be completed and returned as specified in the solicitation, otherwise response will be considered as nonresponsive. FACSIMILE OR E-MAIL RESPONSES ARE ACCEPTABLE. Quotes are due by the deadline posted on the ITQ. 31. TAXES

The City is exempt from Federal excise tax, State, and city sales tax. Contractors are not exempt from the use tax on materials and supplies used in the production of an item or in the performance of a repair or construction contract. Tax exemption certificates will be furnished upon request.

32. TERM OF CONTRACT

Unless otherwise stated, the City reserves the right to purchase like items at the same contract price for a period of one year from the award date subject to agreement of both parties. The City may cancel any contract for cause following written notification of intent.

33. WARRANTY

Unless otherwise specified by the City, all items shall be guaranteed for a minimum period of one (1) year against defects in material and workmanship.

December 2019