



## **Request for Bid Fire Department Cascade System**

### Contact Information:

Gordon County  
Attn: Purchasing Director  
201 North Wall Street  
Calhoun, Georgia 30701

[mvaughn@gordoncounty.org](mailto:mvaughn@gordoncounty.org)

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## **1.0 Overview**

The Gordon County Board of Commissioners will be accepting sealed written bids from qualified vendors to procure (2) single station cascade systems as outlined in the specification in this document.

### **1.1 Submission**

If you choose to submit a bid for this product, the County requires the vendor submit two (2) sealed original printed proposals (e-mail or faxes not accepted) and one (1) electronic copy of the bid/proposal (cd or usb drive). Your sealed bid must be marked, "Cascade System" and delivered to the Gordon County Administration Building at 201 N. Wall Street, Calhoun, Georgia 30701 **no later than 2:00 p.m. on 10/03/2018**. The receiving time at the Gordon County Administration Building 201 N. Wall Street – Calhoun, GA 30701 will be the governing time for acceptability of the Proposal.

The Proposal response shall be in the form defined in **5.0 Proposal Response Requirements**.

Any response received after the deadline date and time shall be returned unopened. Incomplete responses may not be considered if the omissions are determined to be significant. All Proposals will be publicly opened and Proposal cost read at that time and place. You are invited to attend the opening. The submitted Proposal vendors will be posted online at [www.gordoncounty.org](http://www.gordoncounty.org) the day after the proposal opening.

The Gordon County Board of Commissioners reserves the right to accept, or reject, any and all Proposals received and/or disregard informalities in the Proposals received. If additional information is needed, contact Martin Vaughn, Gordon County Purchasing Director [mvaughn@gordoncounty.org](mailto:mvaughn@gordoncounty.org)

## **1.2 Communication with Gordon County**

All Communications regarding this Proposal shall be communicated through Gordon County Purchasing. Telephone inquiries will not be accepted. Any questions regarding this Proposal should be submitted to Martin Vaughn via e-mail – mvaughn@gordoncounty.org. Your inquiry shall be titled “Cascade System”, your company name and telephone number must be on all correspondence. Information obtained from **any other source is not official and should not be relied upon.**

## **1.3 Award**

While the County is entertaining a bid, it will not be bound to award the bid.

The County may contact and evaluate the vendor’s and any subcontractor’s references; contact any vendor to clarify response; contact any current or past users of a vendors or subcontractors services.

The County will not be obligated to accept the lowest offer but will make an award in the best interest of the County after all factors have been evaluated.

The County will be the sole judge of the successful offer. The County reserves the right to negotiate with any and all vendors. Vendors are advised that it is possible that an award may be made without discussion or any contact concerning the Proposal received. Accordingly, Proposals should contain the most favorable terms from a price and technical standpoint, which the vendor can submit to the County. **DO NOT ASSUME** that you will be contacted or afforded an opportunity to clarify, discuss or revise your proposal.

#### **1.4 Terms and Conditions**

The successful vendor shall submit the following items within ten calendar days of written notification from the county of the proposal award:

- Written certification that the Vendor operates a drug-free workplace in accordance with O.C.G.A. 50-24-1 through 50-24-6 (form provided by county).
- There are no expressed or implied obligations for Gordon County to reimburse responding companies for any expenses incurred in preparing proposals in response to this Proposal.
- The county reserves the right to request clarifications regarding information submitted as well as request additional information from one or more parties submitting qualifications.
- By submitting qualifications, a party certifies that it has fully read and understood this Proposal, has reviewed the attached documents (if any), and has full knowledge of the nature, scope, quantity and quality of the work to be performed; the requirements of the products and services to be provided and the conditions under which the services are to be performed. Failure to do so will not relieve the successful proposing company of their obligation to enter into a contract and to completely perform the contract in strict accordance with this Proposal.
- No proposals may be withdrawn or revoked for a period of 30 days after date of proposal opening.
- Ownership of all data, materials, and documentation prepared for and submitted in response to this Proposal shall belong exclusively to Gordon County and will be considered a public record and subject to public inspection in accordance with the Georgia Open Record Act, O.C.G.A. 50-18-70 et. seq. unless otherwise provided by law.
- The Gordon County Board of Commissioners reserves the right to reject any or all proposals, call for new proposals, to waive any informalities in a proposals, and to select the qualified parties. The Gordon County Board of Commissioners reserves the right to accept, reject, and/or negotiate any and all proposals or parts of proposals deemed by the Board to be in the best interest of citizens of Gordon County.
- This Proposal shall be governed in all respects by the laws of the State of Georgia and the successful proposing parties shall comply with all applicable federal, state, and local laws and regulations.
- By submitting their qualifications, all proposing parties certify that their proposals are made without collusion or fraud and that they have not offered or received any kickbacks or inducements from any other person or party in connection with their proposals, and that they have not conferred on any Gordon County employee having official responsibility for this procurement transaction of any payment, loan, subscription, advance, deposit of money, services, or anything of value of more than nominal value, present or promise, unless consideration of substantially equal or greater value was exchanged.

- The proposing parties specifically certify in submitting their proposals that they are not in violation of O.C.G.A. 16-10-2 and 16-10-22 for acts of bribery, and/or conspiracy in restraint of free and open competition in transactions with state or political subdivisions.
- By submitting their qualifications, all proposing companies certify that they are not currently debarred from submitting bids or proposals on contracts by any agency of the State of Georgia and/or the federal government, nor are they an agent of any person or entity that is currently debarred from submitting Proposals on contracts by any agency of the State of Georgia or the federal government.

## **1.5 General Proposer information**

The County reserves the right to lease and/or purchase more or less of each item or service at the unit price offered in the Vendor's system, unless the Vendor specifically and explicitly limits the response in this regard. The County reserves the right to negotiate with vendors regarding variations to the original proposal(s) that may be in the best interest of the County. The County reserves the right to accept or reject any or all bids or proposals and to waive informalities and irregularities in bids or bidding procedures and to accept any bid determined by the Board of Commissioners to best suit and fit the needs of the county in its sole discretion.

Vendor is to review and be familiar with the enclosed proposal specifications. Failure to review the specifications will not relieve the successful vendor of an obligation to furnish all products, services and labor necessary to carry out the provisions of the contract.

The successful proposing Vendor shall not assign or transfer any interest in the contract or subcontract any part of the contract without prior written approval from the County

The signer of the Proposal must declare that the Proposal is in all respects fair and in good faith without collusion or fraud and that the signer of the Proposal has the authority to bind the principal proponent.

Failure to include all information requested in this bid is cause for rejection of the proposal.

It is expressly understood and agreed that the proposing vendor is an independent contractor at all times and for all purposes hereunder. Officers, employees or representatives of the vendor will not be deemed in any way to be, and shall not hold themselves out as; employees, servants, representatives or agents of the County and will not be entitled to any fringe benefits of the County such as, but not limited to; health and accident insurance, life insurance, longevity, economic increases or paid sick or vacation leave. The vendor will be solely responsible for payroll wages, for the withholding and payment of all income and social security taxes to the proper federal, state, and local governments and for providing workers' compensation and unemployment insurance of the Vendor

It is agreed that the successful vendor shall not assign, transfer, convey, or otherwise dispose of the contract or its rights, title or interest in any part thereof, without prior written consent by the County. The County must approve **all subcontractors providing on-site services.**

Vendor shall indemnify, hold harmless and defend the County its officers, employees, agents and elected officials from and against any and all claims and actions brought against the County and its officers, employees, agents and elected officials for injury or death to any person or persons or damage to property arising out of the performance of this contract by the County, its employees, subcontractors or agents except all actions and claims arising out of the negligence of County.

## **2.0 Tentative Calendar of Events**

Proposal Posted:	9/14/2018
Proposal Submittal Deadline Gordon County Admin Building – 201 N Wall St. – Calhoun, GA 30701	10/03/2018 at 2PM
Evaluation	10/03 thru 10/16/2018
Possible Vendor notification of award	10/18/2018

### 3.0 Specifications

GordonCountyFire/Rescue

## Single Station Cascade System Specifications

#### INTENT OF SPECIFICATIONS

It is the intent of the specs is to cover the furnishing and delivery to the purchaser of a complete apparatus equipped as herein specified. With a view to obtaining the best results and the most acceptable apparatus for service in the fire department, these specifications cover the general requirements as to the type of device, together with certain details which the successful bidder must conform. Minor details of construction and materials where not otherwise specified are left to the discretion of the vendor

#### General Specifications:

The unit shall be a fully enclosed package. The unit shall be packaged in an appliance style fashion and all exposed ferrous metal panels shall be powder coat painted. The unit shall be manufactured with through holes on the base mount plate to facilitate the customer's needs to bolt the unit to the floor if deemed necessary. All components on the unit shall be located inside the confines of the base dimensions of the unit.

**Comply**  **Exception**

The standard dimensions shall be roughly 88" L x 34" D x 70" H. Non everyday use panels shall be designed for easy removal and easy access if major work on the compressor block is required or to gain access to the electric drive motor. Access doors to facilitate service and minor repairs on the unit may be hinged. Each door shall have dual latching locks that require only a one-finger push action to perform the function of deactivating the lock(s). Access doors shall be equipped with a safety switch. The safety switch shall be integrally wired to the PLC (programmable logic controller) to eliminate the possibility of start up of the unit while the door is in the open position. If the unit is in the operational mode and the access door is dislodged the unit shall immediately cease operation as well as provide the operator with the correction information, on the display screen, that the door is ajar. An audible alarm shall also sound if the door is dislodged while in the operating mode. There shall be easy access doors on the unit to gain access to the purification system and other vital control components. This door(s) shall have dual latching locks that require only a one-finger push action to perform the function of deactivating the lock(s).

**Comply**  **Exception**

The operator panel shall be located on the front of the machine. It shall be located at a reasonable height so that the operator can perform all of the operational and calibrating duties required, as well as monitor vital visual components without stress to oneself. The operator panel shall have a clearly marked and labeled gauge for each stage of compression. The oil pressure, purification pressure, and the control pressure, shall be displayed as an analog and a digital gauge on the display screen. The operator panel shall have an interactive display screen that can notify the operator of the status of the unit, allow for further interactions, as well as perform the ON/OFF feature. The operator panel shall have a palm style Emergency Stop button, a non-resettable analog hour-meter, and an audible alarm. The operator control panel shall have a centrally located hinged fold down door to gain rear access to all of the panel mounted components. There shall be a removable top panel on the unit.

           **Comply**            **Exception**

The top panel shall contain a temperature controlled electric fan to discharge heat from the internal cabinet while the unit is in the operational mode. The fan shall be covered and shrouded to eliminate the chance of foreign objects entering the bladed area. Additionally, there shall be a 2” FNPT port mounted on the top panel. This port shall facilitate the use of an outside air intake, if desired.

           **Comply**            **Exception**

Compressor Package features:

A PLC (programmable logic controller) shall be located in the main UL listed electrical box. A keypad & color touch screen interface display shall be located on the operator’s panel. All compressor functions and faults shall be viewed on the display screen as their function occurs. The ON/OFF function shall be controlled from the same location. A green colored background shall be displayed on the screen for all normal information.

A red colored background shall be displayed on the screen for information such as a fault input. The standard fault inputs shall be displayed as motor overload, door open switch(s), high CO, high temperature, high ambient cabinet temperature, low oil pressure, power loss, auto condensate failure, and high condensate fluid level. All faults shall be accompanied by an audible alarm. An “Acknowledge” button shall accompany all audible alarms on the display touch screen to allow the operator the choice to silence the alarm after the fault has been signaled. All electrical solenoids and control related appliances shall operate at 12V DC. Exceptions are the magnetic starter and the cabinet exhaust fan that shall operate at 120V AC. The system technician test mode and maintenance timers including other special functions shall be “Password Protected” in order to gain access to those operations.

           **Comply**            **Exception**

Sample Tap System (STS):

There shall be an air quality sampling port located on the operator’s panel. This system shall facilitate the process of retrieving an air sample, using a Lawrence Factor brand air-testing vessel. It shall have an interactive tutorial on the display screen to guide the operator through the process of retrieving an air sample.

           **Comply**            **Exception**

Prime Mover:

A heavy duty ODP electric motor shall be used as the prime mover. The horsepower and voltage of the motor shall be 10 Horse Power (Specify) 208 or 230V AC, 3 Phase. It shall have an adjustable motor base plate and utilize standard “V” belts to transfer its rotational properties to the compressor block.

\_\_\_\_\_ **Comply** \_\_\_\_\_ **Exception**

Auto Drain System:

The unit shall be equipped with an Automatic Condensate Drain system (ACD). This system shall drain the compressor condensate every 20 minutes of continuous run time as well as every time the compressor shuts off. The ACD shall be equipped with an electronic monitoring system that will automatically turn the unit off and alert the operator on the display screen if it has determined that the ACD has not satisfactorily depressurized and released the proper amount of condensate during either one of the above-mentioned conditions. The ACD condensate reservoir will warn the operator when the level of condensate is ready to be drained. A hose and valve shall be provided to aid in this task.

\_\_\_\_\_ **Comply** \_\_\_\_\_ **Exception**

Compressor Design Features:

Rated @ 14 SCFM, 6000 PSI at 1080 RPM's with Design pressure of 7500 PSI  
5 stage 5 Cylinder Reciprocating Radial Design. NO STACKED PISTONS!

Cast Iron Block and Cylinders

(5) Cast iron connecting rods with needle roller bearings.

Pressurized oil lubrication system with external spin-on style disposable oil filter

Precision Interstage relief valves on 1st through 4th stage

Aluminum Interstage coolers on 1st, 2nd, and 3rd stage, stainless steel.

Interstage cooler on 4<sup>th</sup> stage as well as a stainless steel after cooler on 5<sup>th</sup> stage

Water separator on 2nd, 3rd, and 4th stage

All compressor pistons shall be of the ringed variety

Single piece flywheel 1 groove, B-section, belt drive

Ambient temperature operating range 32-115 Degrees Fahrenheit

Manufactured in the USA with all USA made parts (NO EXCEPTIONS).

\_\_\_\_\_ **Comply** \_\_\_\_\_ **Exception**

Purification System Features:

Processes on average 35,000 Cubic Feet @ 85 Degrees F.

(1) 33" aluminum chambers with disposable style purification cartridges

(1) mechanical separator chamber with disposable coalescing element

Service Vent Valve with serviceable seal

Precision Final Pressure 6500 PSI Relief Safety Valve

Serviceable System Check Valve

Back pressure regulator valve

Final pressure gauge located at the purifier outlet

Purification isolation valve located at the purifier outlet

Dual pressure adjustable final pressure transducer controlled from PLC

           **Comply**            **Exception**

Containment 2 Cylinder Fill Station:

There shall be an integrated, front loading, 2-position containment fill station within the unit. It shall be designed to fill a single cylinder or up to 2 SCBA/SCUBA cylinders simultaneously. There shall be an individual shut off valve and vent valve for each point of attachment. It shall be equipped with an interlocking safety switch that will prohibit the transfer of air into the cylinder if the fill station door is dislodged from its most upright position. The side walls and rear wall of the fill station shall be comprised of dual layers of 3/16" steel and shall be designed to vent and misdirect the air flow in the event of a ruptured vessel. The front door shall be designed with a major formed door panel that shall be comprised of 3/16" steel. There shall be a steel form fitted exterior door panel that shall be designed to move vertically into the locked and unlocked position as the operator moves the door handle. The exterior door panel shall be designed to not require any supplemental lubrication or air operated valves to aid in the advancement or contraction of the door position. The complete containment fill door shall be designed with 2 separate door height openings.

The first door height opening position shall stop at a comfortable height for the operator to remove or attach the fill adapter to the cylinder. The second door height option shall allow the operator to fold the door down to comfortable load height as if loading vessels from ground level. The door handle shall be designed with a positive latching mechanism to secure the door in its upright position. To unlock the door the operator shall be required to apply a light amount of downward force on the handle then rotate the cylindrical gripped portion of the handle towards the operator then advance the complete door handle in an upward motion. To lock the door the operator shall push down on the complete door handle assembly until the positive latching mechanism has been engaged. Both the door handle operation and the door opening and closing functions shall require minimal operator force, as in a single hand operation.

           **Comply**            **Exception**

**Air Control Panel:**

There shall be an integrated three (3)-bank cascade air control panel mounted on the cabinet. It shall have a liquid filled air storage gauge and storage control valve for each storage cylinder. There shall be an adjustable 0-6000 psi regulator with a regulated pressure gauge. There shall be an individual shut off valve and SCBA gauge for each point of fill in the cabinet. There shall be an automatic refill circuit for the storage system. The auto refill circuit shall be equipped with a priority fill system and a storage refill isolation valve. There shall be a panel mounted High Pressure outlet port with an isolation valve. The panel shall be strategically color- coded & striped flow diagram to offer the operator a clear account of the air transferring process.

**\_\_\_\_\_ Comply \_\_\_\_\_ Exception**

**Air Storage System:**

The unit shall be equipped with (3) ISO/UN high pressure breathing air cylinders rated at 510 cu. ft. @ 6000 psi. They shall be securely mounted in the rear of the unit within the fill station cabinet in a vertical configuration. The storage system shall be factory plumbed to the cascade air control panel and leak checked prior to shipping. ISO/UN Cylinders require a Hydrostatic test @ 10 year intervals.

**\_\_\_\_\_ Comply \_\_\_\_\_ Exception**

**Carbon Monoxide Monitor:**

The system shall be equipped with an electronic monitor with digital display and wired for auto shut down @ 5 PPM CO. The monitor will integrate with the system PLC touch display & warning message system. The air supplied to the monitor shall shut-off while the compressor is in the off or standby mode. The monitor will shut down the compressor in case the sample air is low or not available. The monitor shall meet NFPA & Federal OSHA requirement standards for air monitors.

**\_\_\_\_\_ Comply \_\_\_\_\_ Exception**

## **4.0 Evaluation**

It is the intent of the County to acquire the best system available within its budgetary means. The County will accept the proposal which, in its estimation, will best serve the interests of the County and the users, and reserves the right to award a contract that shall be best for the public good. The County reserves the right to accept or reject any or all proposals received as the result of this proposal, to negotiate with all qualified sources, and/or cancel all or part of this proposal at any time. County may request re-proposals should it be deemed in its best interest to do so. Until such time as a contract is executed with the successful proposers, the County may cancel all or any part of this proposal. The County also reserves the right to waive any irregularities and technicalities.

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Awarding of a proposal will be based upon a qualifications-based selection procedure. The following evaluation criteria will be used to evaluate proposals. The evaluation criteria listed are not necessarily listed in order of importance.

- a. Price
- b. Adequacy and completeness of the proposal with regard to the information provided
- c. System Suitability

## 5.0 Proposal Response Requirements

Company Name: \_\_\_\_\_

Authorized Proposer: \_\_\_\_\_ Date \_\_\_\_\_

The Proposal response should be in the following order. **This sheet** should be the first page of your response followed by each of the following. *Check off each of the following to insure your response is complete.*

***If your response is not in the specified response format – this is reason to disqualify a proposal.***

- \_\_\_ Part 1 - Completed Cost summary Sheet as required
- \_\_\_ Part 2 – Reference sheet(s)
- \_\_\_ Part 3 – Completed Specifications (Section 3)
- \_\_\_ Part 4 – Deviations sheet noting the deviations from specification requested
- \_\_\_ Part 5 - Installation and conversion schedule and work plan sheet
- \_\_\_ Part 6 – Any other Information deemed critical to your proposal
- \_\_\_ Part 7 – Forms

Completed Acceptance of Terms of this Agreement Sheet.  
Completed Non-Collusion Affidavit

## 6.0 Cost Summary Sheet

PRICE \_\_\_\_\_ per unit

## **7.0 Reference**

List 3 or more references with the same cascade system as bid. Include Company Name, Address, Name of contact person, telephone and e-mail

## **8.0 Deviations**

### **EXCEPTIONS TO SPECIFICATIONS**

**Any and all exceptions to the above specifications must be clearly stated for each heading in section 3. Use additional pages for exceptions, if necessary. Failure to explain all exceptions will void your submitted bid.**

## 9.0 Installation and conversion schedule and work plan sheet

### **System Delivery & Installation:**

The complete system shall be shipped via freight carrier transportation prepaid to the designated customer's locations. The **vendor** will be responsible for moving the system from the carrier and placement in the station location. The **vendor** will provide **all necessary equipment (forklifts, pallet jacks, etc.) and/or tools for installation**. An OSHA Compliant electrical disconnect shall be provided by the customer to provide electrical power to the unit. The system shall be connected to the electrical disconnect by the air system dealer and tested for proper operation. A training class will be provided for use and operation at the time of the installation.

           **Comply**            **Exception**

## 10.0 Forms

### 10.1 *Acceptance of Terms of this Agreement*

Name of Proposer: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Authorized Signature \_\_\_\_\_ Title: \_\_\_\_\_

Name Printed: \_\_\_\_\_ Date: \_\_\_\_\_

It is agreed by the above signed proposer that the signature and submission of this proposal represents the proposer's acceptance of all terms, conditions, and requirements of the proposal specifications and, if awarded, the proposal will represent the agreement between the parties.

The proposer agrees that the cost of any work performed, materials furnished, services provided, or expenses incurred, which are not specifically delineated in the proposal documents, but which are incidental to the scope, intent, and completion of this contract, shall be deemed to have been included in the prices for the various items scheduled.

**10.2 Non-Collusion Affidavit of Prime Proposer**

STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_

I \_\_\_\_\_, being first duly sworn, depose and say that;

He is \_\_\_\_\_ of \_\_\_\_\_, the proposer that has submitted the attached proposal;

He or she is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such proposal; Such proposal is genuine and is not a collusive or sham proposal; Neither the said proposer nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed, directly or indirectly with any other proposer, firm or person to submit a collusive or sham proposal in connection with the contract for which the attached proposal has been submitted or to refrain from proposing in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other proposer, firm or person to fix the price or prices in the attached proposal or of any other proposer, or to fix any overhead, profit, or cost element of the proposal price or the proposal price of any other proposer, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against the Gordon County Board of Commissioners or any person interested in the proposed contract; and

The price or prices quoted in the attached proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Proposer: \_\_\_\_\_

By: \_\_\_\_\_

Name Printed: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Subscribed and sworn to me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

NOTARY PUBLIC: \_\_\_\_\_

Commission Expires: \_\_\_\_\_