



February 28, 2024

**INVITATION TO BID
BL042-24**

The Gwinnett County Board of Commissioners is soliciting competitive sealed bids from qualified service providers for the **Provision of Variable Frequency Drive (VFD) Maintenance Services on an Annual Contract** for the Department of Water Resources.

Bids should be typed or submitted in ink and returned in a sealed container marked on the outside with the BL042-24# and Company Name. Bids will be received until **2:50 P.M. local time on March 18, 2024** at the Gwinnett County Financial Services - Purchasing Division – 2nd Floor, 75 Langley Drive, Lawrenceville, Georgia 30046. Any bid received after this date and time will not be accepted. Bids will be publicly opened and read at 3:00 P.M. Apparent bid results will be available the following business day on the website www.gwinnettcountry.com.

Questions regarding bids should be directed to Michael Milstein, Purchasing Associate II, at michael.milstein@gwinnettcountry.com or by calling 770-822-7811, no later than **March 7, 2024**. Bids are legal and binding upon the vendor when submitted. All bids should be submitted in duplicate.

Successful service provider will be required to meet insurance requirements. The Insurance Company should be authorized to do business in Georgia by the Georgia Insurance Department, and must have an A.M. Best rating of A-5 or higher.

Gwinnett County does not discriminate on the basis of disability in the admission or access to its programs or activities. Any requests for reasonable accommodations required by individuals to fully participate in any open meeting, program or activity of Gwinnett County Government should be directed to the ADA Coordinator at the Gwinnett County Justice and Administration Center, 770-822-8165.

The written bid documents supersede any verbal or written prior communications between the parties.

Award will be made to the consultant submitting the lowest responsive and responsible bid. Gwinnett County reserves the right to reject any or all bids to waive technicalities and to make an award deemed in its best interest. Bids may be split or awarded in entirety. Gwinnett County reserves the option to negotiate terms, conditions and pricing with the lowest responsive, responsible vendor(s) at its discretion.

Award notification will be posted after award on the County website, www.gwinnettcountry.com and companies submitting a bid will be notified via email.

We look forward to your bid and appreciate your interest in Gwinnett County.

Michael Milstein
Purchasing Associate II

MM/km

The following pages should be returned in duplicate as your bid: Bid Schedule, Pages 12-21
References, Page 22
Contractor Affidavit, Page 25
Code of Ethics, Page 26
Appendix A, Pages

SPECIFICATIONS

The Gwinnett County Board of Commissioners is soliciting competitive pricing for VFD Maintenance Services on various Department of Water Resources (GCDWR) facilities. The majority of the GCDWR facilities are industrial in nature and utilize VFD equipment for the proper operation of their water and wastewater treatment systems. The required services will include two different work elements:

1. Comprehensive Preventative Maintenance of VFD Equipment, and
2. On-Call Repairs for VFD Equipment

The work under this contract will supplement services available to GCDWR through sole source agreements with specific VFD manufacturers and suppliers. GCDWR reserves the right to utilize the sole source agreements for VFD maintenance and repair when deemed to be in the best interest of GCDWR.

The contract award(s) will be based on the low, responsive, and responsible bids.

I. SCOPE OF SERVICES

A. Comprehensive Preventative Maintenance Services

Under the terms of this procurement and subsequent contract award, Comprehensive Preventative Maintenance Services means that for the stated annual dollar amounts, the selected Contractor shall provide all specified or scheduled preventive maintenance, inspections, and condition reporting required to maintain the specified VFD equipment in proper and adequate operating condition at the specified facility locations. There shall be no additional costs to the County for these services.

1. Preventive Maintenance Scope and Responsibilities

As a part of the Comprehensive Preventative Maintenance Services, the Contractor shall provide preventive maintenance services per the manufacturer's recommendations for the equipment listed and described in Appendix A. The preventive maintenance services will be conducted annually and will be scheduled according to a timetable provided by the GCDWR Representative. This performance schedule, based on the prior record of maintenance with the equipment, will be furnished to the Contractor within 30 days of the start of the contract. This performance schedule shall be strictly maintained, and the Contractor shall be expected to complete the required preventive maintenance tasks and services in accordance with the schedule. A consistent failure to meet these schedule terms will be considered contract non-compliance and may result in reductions from the monthly payments to the Contractor or a termination of the contract for non-performance.

The basic requirements for the preventive maintenance services are listed below.

The Contractor will be responsible for all the listed work items as applicable to the equipment and will be responsible for all associated costs. Included in these costs are administration, supervision and overhead, travel, equipment and tools necessary to perform the services, personnel time, and consumable materials. If during the scheduled preventive maintenance services, the Contractor determines the need for repair or replacement of equipment or parts that extend beyond the scheduled preventive maintenance tasks, the Contractor shall notify the GCDWR Representative and provide a quote and schedule for the repair or replacement costs.

- a. Monitor system running under normal load, if possible, before starting maintenance. Analyze input, DC buss, output, voltage, and current waveforms. Analyze power supplies. Verify all for proper operation and record abnormalities.
- b. Record fault history.
- c. Tighten all power and control wiring connections. Record any abnormalities.
- d. Visually inspect circuit boards and power assemblies for deterioration and overheating, including removal of circuit boards for full examination of all sides.
- e. Clean drive enclosure interior, circuit boards, power circuit assemblies, and entire heat-sink with low pressure compressed air, vacuum, and approved solvents.
- f. Fully re-assemble components disassembled for cleaning, observing proper techniques for assembly specified by the manufacturer in the drive's service manual.
- g. Perform functional test in all modes of operation including Hand/Local and Auto/Remote. During the functional test, perform a vibration test of all circuit boards and wiring assemblies.
- h. Verify monitoring system with an Oscilloscope or Scopemeter, running under normal load after maintenance is complete. Analyze input, DC buss and output, voltage, and current waveforms. Analyze power supplies. Verify all measurements for proper operation and record all information.
- i. Perform a calibration check and record drive to factory specifications and application, including operational testing of the drive. The calibration check is to verify the VFD responds correctly to the input speed control signal and the output frequency correctly matches the called for frequency.
- j. Review and record adjustments/programming.
- k. Complete a written report of findings, including recommendations, and submit to the GCDWR Representative.

B. On-Call Repairs for VFD Equipment

1. Basic Scope

On-Call Repairs for VFD Equipment are for the On-Call Repair Services to be provided by the Contractor for repairs outside of the work defined under Section I.A Comprehensive Preventative Maintenance Services. These services are for the facilities and equipment described in Appendix A.

2. Availability and Response Time

The Contractor shall be available to provide on-call repair services on a full-time basis 24 hours per day and 7 days per week. The Contractor's personnel shall provide a response call to the service call originator within 30 minutes or less and shall be on-site for the repair within two (2) hours of this response call. The Contractor shall complete every service call within 12 hours; unless special conditions exist where a repair cannot be completed within said time, such as a proprietary part must be obtained from an out of area supplier or purchase of replacement equipment requires a long lead time. In such instances, the Contractor's technician shall notify the GCDWR Representative promptly after determining this situation exists. GCDWR reserves the right to deny time extensions for repairs where it believes the Contractor's request is unreasonable or not based on fact. The GCDWR Representative also may require the Contractor to respond quicker to the site and in completion of the repair if the situation is deemed an emergency. The GCDWR Representative will notify the Contractor at the time of the call out if this is the case. The names of the GCDWR Representative and other GCDWR staff authorized to issue service calls will be provided to the Contractor in writing upon the start of the contract period.

3. Repair Requirements

Repairs under this Section require the Contractor to provide all services, equipment, parts, and materials that are needed to fully maintain the VFD equipment located at each facility. Although this bid lists specific pieces of equipment, the Contractor's repair and maintenance responsibility extends to all systems and equipment contributing to or ancillary to the proper operation of the VFD equipment. Where the electrical system is involved, the Contractor shall be responsible for the complete system back to and including the upstream circuit breaker. The Contractor shall be responsible for any needed repair on the above described systems and equipment.

4. Service Requests

The Contractor shall provide these On-Call Repair services in response to specific service requests made by a GCDWR Representative or designees of this representative. Prior to the start of services under this agreement GCDWR shall provide the Contractor a list of what personnel may submit service requests to the Contractor. Service requests will be submitted by telephone or e-mail and will be confirmed by e-mail or facsimile, subject to arrangements with the Contractor and applicable GCDWR Representative.

5. Basis of Compensation

Compensation to the Contractor for service call responses will be based on the hourly labor rates provided in the bid for the contract, the actual cost of parts plus a percentage markup indicated in the same bid (not to exceed 10%), and a fixed trip charge when applicable. Hours shall be calculated daily from the time the Contractor's personnel arrives at a service location until the personnel leaves the site. Travel time to and from the location will not be compensated, and travel time away from the service location will not be compensated on an hourly basis. However, one Service Call Charge of a fixed amount may be added to a service call to cover all travel time, including time away from the service site to pick up parts or materials. Overtime labor rates may be charged for time outside of the "normal hours" specified in the bid. Parts must be itemized and billed at actual cost plus the pre-determined markup. The Contractor also agrees that it will provide documentation of costs for parts and materials upon request of GCDWR. Sub-contractor services when authorized by GCDWR shall be billed at cost plus the same mark-up utilized for parts and materials. Sub-contractor costs must be documented. NOTE: All sub-contractors must be pre-approved by the GCDWR Representative prior to the work being performed.

6. Limitation on Utilization of Personnel

The Contractor typically will be expected to utilize one technician for a routine service call. If the Contractor anticipates using a helper for the repair, it shall obtain prior approval from the GCDWR Representative prior to committing to the use of the additional staff. GCDWR will withhold payment for any invoice reflecting a helper, where this support did not have prior approval. Staff utilization on larger scale repairs and projects with written authorization from GCDWR shall reflect the staffing levels in the Contractor's approved proposal.

7. Service Call Charges

As noted above, GCDWR will not pay the hourly labor rate for time to travel to and from the service site or away from the service location to pick up parts and/or materials. Instead, compensation may include one Service Call Charge per service call to cover any travel time. This amount will be a flat fee charged in lieu of hourly time. Example: Repair personnel shows up on job at 9:00 AM, checks out problem and discovers that he needs to replace a part that he does not have on his service vehicle. He leaves the job site at 10:00 AM, picks up the part and returns to the job site at 11:30 AM. He completes the repair at 12:30 PM. Billable costs at the hourly rate are from 9:00 – 10:00 and 11:30 – 12:30, and there is one Service Call Charge.

8. Repairs in Excess of \$1,000/Equipment Replacements

If the Contractor expects a repair to exceed \$1,000.00, the Contractor's VFD Technician or Contractor Service Manager shall contact the GCDWR Representative prior to initiating the repair and shall provide a written estimate of the repair costs. This estimate shall include a detailed listing of expected labor costs by personnel classification, rate and hours; an itemized description of required parts and their costs; and a schedule for when the work can be performed. This estimate must be approved in writing by the GCDWR Representative and must be retained and submitted by the Contractor to GCDWR with the final Contractor Service Report.

If the Contractor's repair estimate exceeds 50% of the cost of a major equipment element or a complete VFD system, the Contractor shall notify the GCDWR Representative of this situation prior to any repair activities. It will be at GCDWR's discretion whether to proceed with the repair or replace the VFD equipment. Depending on the exigency of the situation, GCDWR may authorize the Contractor to proceed with purchase and installation of the replacement VFD equipment, or it may choose to purchase the VFD equipment through GCDWR's procedures and furnish it to the Contractor for installation.

9. Sub-Contractors

The Contractor shall be prepared to perform all of the services called for under this agreement with its own staff, and its bid should reflect this approach. GCDWR on occasion, may require the Contractor to utilize specialty sub-contractors for other work elements that are beyond the scope of service indicated in this solicitation. In such cases, the GCDWR Representative shall approve such sub-contractors before they are utilized. Sub-contractor expenses shall be billed as "reimbursables" at the documented actual costs plus the Contractor's pre-determined mark-up for parts/materials.

10. Service Report Requirements

Each completed service call shall be documented by a Contractor Service Report. The Service Report must be signed by the VFD Technician who provided the services or repairs and by a representative from the facility where the work was completed. The Service Report shall be in a format acceptable to and approved by the GCDWR Representative, and must provide comprehensive information. The Service Report shall include, at a minimum, the following information:

- Bid BL Number
- County Purchase Order Number
- A Service Report Tracking Number
- Location of Services – Facility Name/Address
- Description of Equipment Serviced – Makes, Models and Serial Numbers
- Description of Services Repairs Performed
- Personnel Utilized and Hours of Service
- Calculation of Personnel Cost
- Parts & Materials Utilized/Costs/Markup
- Trip Charge (If Applicable)
- Total Cost of Service

The Service Report may be submitted in a faxed paper version or as a computer transmission and must be legible. The GCDWR Representative will review Service Reports and let the Contractor know within five calendar days if there are any questions or concerns regarding the services.

11. Invoicing

The contractor shall invoice GCDWR for its services only after there is confirmation that the information provided is acceptable to the County. No

questions or no directions to modify the costs on the Service Report shall be taken as confirmation. If changes are required by GCDWR, the final invoice should reflect those modifications. The Contractor shall submit its invoices to the Gwinnett County Department of Financial Services, Treasury Division, 75 Langley Drive, Lawrenceville, Georgia 30046. Invoices shall include the applicable Purchase Order Number and the Service Report Tracking Number, and shall be formatted according to terms and rates in the Bid Schedule. The total monetary amount on the invoice and Service Report shall correspond, and the Service Report should be attached to the invoice. It is very important that this referenced information be complete and correct. Contractor's failure to present thorough and correct information will confuse and slow the payment process.

II. CONTRACTOR QUALIFICATIONS

A. Experience

Bidder must submit with their bid a description of their firm as it pertains to the preventative maintenance, service, repair, and testing of variable frequency drives. The bidder should have been in the business of VFD inspection, maintenance, and repair for the past five (5) years. Documentation of experience in performing work of similar size and scope must be included.

B. Qualifications

1. The qualifications and experience of the contractor are critical to the County, which must have assurances that the selected contractor is a responsible organization capable of performing the requested services.
 - a. The contractor shall be regularly engaged in the testing and repair of variable frequency drives, equipment, devices, installations, and systems.
 - b. The contractor's lead on-site technician shall be qualified to perform service on specified equipment designated for preventative maintenance or repair. The technician shall remain on site during the entire duration of the preventative maintenance.
 - c. The contractor shall use technicians who are regularly employed by the firm for testing services.
 - d. The contractor shall have sufficient experience in testing, maintaining, and repair of low voltage variable frequency drives and equipment.
 - e. The contractor shall have all necessary tools and supplies to perform preventative maintenance and repairs as described in the Scope of Services.
2. Contractor(s) shall employ certified service technicians and should submit with bid a list of current employees, who would be servicing equipment under this contract. The following information should be on the list; name of the employee, level of certification, dates of certification, location of employee, and number of years servicing VFD Equipment. Typical manufacturers within the GCDWR system are identified in Appendix A. Certified Technician shall be defined as an individual who has been trained and holds a certification to service VFD's from the VFD manufacturer and/or certified training for VFD servicing through a trade organization or vocational

school. Before award of bid the bidder must supply a copy of each employee's certifications.

3. In the event of an employee turnover, the successful service provider must provide the County with a replacement journeyman to service this contract. The new journeyman must follow all of the requirements set forth in this solicitation. The successful service provider must provide to the County the name of the employee leaving and the name of the new employee that will be servicing this contract. Before the employee can start work on this contract, the successful servicer provider must supply a copy of the employee's certification and all of the documentation indicated above.
4. A journeyman level service technician is defined as a technician having the minimum requirement of five years' experience with VFD equipment.

C. Testing Equipment

1. All test equipment shall be in good mechanical and electrical condition.
2. Selection of metering equipment should be based on knowledge of the waveform of the variable being measured. Digital Multimeters must be root means square (RMS) sensing and may include or exclude the DC component. When the variable contains harmonics or DC offset and in general, any deviation from a pure sine wave, average sensing and average measuring RMS scaled meters may be misleading. Use of true RMS measuring meters is required.
3. Accuracy of metering in test equipment shall be appropriate for the test being performed.

III. CODES AND STANDARDS

All inspections and tests shall be in accordance with the following codes and standards except as provided otherwise herein.

- | | |
|---|------------------|
| 1. National Electrical Manufacturers Association: | NEMA |
| 2. American Society of Testing & Materials: | ASTM |
| 3. Institute of Electrical & Electronic Engineers: | IEEE |
| 4. International Electrical Testing Association: | NETA |
| Maintenance Testing Specification – MTS - 1989 | |
| 5. American National Standards Institute: | ANSI-C2 National |
| Electric Safety Code | |
| 6. Insulated Cable Engineers Association: | ICEA |
| 7. Association of Edison Illuminating Companies: | AEIC |
| 8. Occupational Safety Health Administration: | OSHA |
| 9. National Fire Protection Association: | NFPA |
| a. ANSI/NFPA 70: National Electrical Code | |
| b. ANSI/NFPA 70B: Electrical Equipment Maintenance | |
| c. NFPA 70E: Electrical Safety Requirements for Employee Workplaces | |
| 10. State and local codes and ordinances | |

IV. PERFORMANCE STANDARDS AND QUALITY ASSURANCE

A. Manufacturers' Standards

All preventive maintenance and repair services called for herein, unless otherwise stated in these specifications, shall be in accordance with the standards, methods, and procedures established in original manufacturers' operations, maintenance and repair manuals. When the Contractor installs new equipment, it also shall follow the standards and procedures established by the applicable equipment manufacturers.

B. Equipment, Components, and Parts

Replacement equipment shall conform to industry standards. Replacement components and parts also must meet industry standards and be compliant with manufacturers' recommendations. All equipment, components, and parts must be new, free of defects, suitable for the intended service, at least compatible to that replaced, and must be able to function at the same or enhanced level. Replacements of equipment, components, and parts may be subject to the GCDWR Representative's approval, and the GCDWR Representative may review field work and audit repair/replacement invoices.

C. Protection, Cleaning, and Restoration of Work Sites

Contractor shall keep work sites clean and free of debris. When providing services, Contractor shall maintain a level of cleanliness and neatness needed for proper execution of the work. Contractor shall keep newly installed work clean and protect it from damage. When services are complete, Contractor shall clean the work site in all areas disturbed by its activities, of rubbish, waste material and litter; remove all tools, equipment and surplus materials from the site, and remove any temporary protection and facilities installed during its services. Any surfaces and/or finishes that are damaged by Contractor's work shall be patched, repaired, and repainted to match surrounding area. Contractor also shall take precautions to protect trees, shrubbery, and sod at its service locations. Where such items are inadvertently destroyed or damaged, Contractor shall replace or restore at its cost and to the satisfaction of GCDWR.

D. Safety Precautions and Requirements

1. Contractor shall take precautions to prevent fires. Contractor shall store flammable materials in non-combustible containers and store away from fire sources. Contractor shall remove flammable waste regularly from the work site. Contractor also shall carefully supervise operation of potential fire sources such as cutting and welding.
2. Contractor shall take precautions to prevent accidents due to physical hazards. Contractor shall provide barricades and signs as required to protect Contractor's personnel, GCDWR employees, and the public from hazards and to inform them thereof. Barricades and warning signs shall comply with OSHA safety regulations.
3. Contractor shall provide and require use of safety equipment, clothing, and accessories as required by its work activities and safety regulations. NOTE: As

a safety precaution, GCDWR requires the Contractor to always furnish its own equipment, tools, and ladders.

E. Warranties

The Contractor shall warrant against failure of all materials and workmanship associated with its work for one (1) year after the date of acceptance of such work. The Contractor shall correct such work promptly, at no cost to GCDWR, after receipt of written notice from GCDWR to do so. Maximum response time for initiation of repairs during the warranty period shall be 48 hours. Contractor shall provide to the GCDWR Representative copies of the standard manufacturer's warranties for any new equipment and parts purchased and installed by the Contractor. The Contractor shall provide this warranty information with its Service Report whenever applicable.

F. GCDWR Representative / Contractor Service Manager

In administration of the services under this agreement, GCDWR will be represented by a GCDWR Representative for each of the facility served, GCDWR Central Facility, Crooked Creek WRF, F. Wayne Hill WRC, Yellow River WRF, Lanier Filter Plant, Shoal Creek Filter Plant, and Pump Stations. The role and responsibilities of the GCDWR Representative are noted in the previous sections through descriptions of his relationship to the Contractor.

In addition to GCDWR's above designations, the Contractor shall designate a person, a Service Manager, to serve as a single contact for GCDWR to handle service and invoicing issues.

For work on most of the facilities listed herein, it will be necessary for GCDWR to have personnel at the facility location to provide access to the Contractor. Prior to the start of services, the GCDWR Representative will provide instructions and guidance on procedures for insuring accessibility and will ensure that all pertinent contact information is provided to the Contractor

G. Database and Reporting

For the facilities and equipment described in Appendix A, the Contractor shall maintain a database documenting all of the preventive maintenance tasks and service calls completed for each facility. The information from this database shall be available to GCDWR with 72 hours' notice. In addition, the Contractor shall provide the GCDWR Representative with computer-based reports that summarize all the preventive maintenance tasks and service calls completed for each facility. These reports shall include any equipment assessment or notes that service technicians have made regarding the VFD equipment. In particular, the Contractor shall indicate specific equipment that is aging and/or diminishing in performance, and which is a candidate for replacement. This information shall be sufficient to assist the GCDWR in budgeting for future equipment replacement.

v. GENERAL REQUIREMENTS

A. Additional Equipment

The contract award amount shall be based on the pricing provided in response to this

solicitation. Nevertheless, GCDWR reserves the right to add and/or delete equipment located at various facilities during the contract period. The Contractor may be asked to provide only Preventive Maintenance Services depending on whether an added equipment is still under warranty. The County will solicit from the contractor a cost quote which the contractor shall develop with costs comparable to similar equipment under the contract.

B. Insurance

The successful Contractor shall be required to submit a "Certificate of Insurance" per the attached Standard Insurance Requirements and shall maintain said coverage for the duration of the agreement service period.

C. Staffing

Each bidder should submit with its bid a Staffing Plan that illustrates how the Contractor will provide and allocate personnel to accomplish the services described in the procurement package. This plan should identify staff within the company's organizational structure by title, position or job classification and describe who is responsible for the following tasks and services: contract administration and oversight, dispatch, billing, preventive maintenance, and on-call services. The plan should indicate that a minimum of three (3) VFD Technicians will be available to respond to service calls within the specified two (2) hour response time. A VFD Technician is defined as personnel with a minimum of five (5) years VFD service experience and ability to troubleshoot and diagnose operational and controls issues and independently make the necessary repairs. The bidder should provide resumes for the designated VFD Technicians and for the person to be assigned the Service Manager role. Such resumes should thoroughly and accurately document the experience capabilities and training of the VFD Technicians and Service Manager. The successful Contractor shall maintain these three VFD Technicians on the service agreement unless given written approval by GCDWR to replace them. And regardless of the assignees to the positions, the Contractor shall maintain a minimum of the three (3) VFD Technicians to insure adequate response times.

NOTE: Also, if determined necessary by GCDWR to determine the capability of the Contractor, GCDWR reserves the right to request additional information from bidders. This information may include financial statements, organizational charts, and fleet/equipment lists.

D. Subcontracting

There will be no subcontracting allowed in performance of Comprehensive Preventative Maintenance of VFD Equipment or On-Call Repair Services without the express written permission of GCDWR. The selected Contractor shall be fully capable of executing all the services of the agreement with in-house staff and without use of subcontractors. The unauthorized use of subcontractors may result in cancellation of the contract.

Failure to return this page as part of bid document may result in rejection of bid.

BID SCHEDULE

Section A Equipment Pricing				
ITEM #	DESCRIPTION	QUANTITY	UNIT CHARGE*	TOTAL CHARGE
1.	ABB VFD and Soft Starters			
	1 to 10 HP, 480V	1 Each		
	11 to 25 HP, 480V	1 Each		
	26 to 50 HP, 480V	1 Each		
	51 to 75 HP, 480V	1 Each		
	76 to 100 HP, 480V	1 Each		
	101 to 200 HP, 480V	1 Each		
	201 to 300 HP, 480V	1 Each		
	301 to 500 HP, 480V	1 Each		
	> 500 HP, 480V	1 Each		
2.	Allen Bradley VFD and Soft Starters			
	1 to 10 HP, 480V	1 Each		
	11 to 25 HP, 480V	1 Each		
	26 to 50 HP, 480V	1 Each		
	51 to 75 HP, 480V	1 Each		
	76 to 100 HP, 480V	1 Each		
	101 to 200 HP, 480V	1 Each		
	201 to 300 HP, 480V	4 Each		
	301 to 500 HP, 480V	2 Each		
	> 500 HP, 480V	1 Each		
	700 HP, 4160V	15 Each		

COMPANY NAME _____

* UNIT PRICES SHOULD NOT EXCEED 2 DECIMAL POINTS

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BID SCHEDULE CONTINUED

ITEM #	DESCRIPTION	QUANTITY	UNIT CHARGE*	TOTAL CHARGE
3.	Benshaw VFD and Soft Starters			
	1 to 10 HP, 230V	1 Each		
	11 to 25 HP, 230V	1 Each		
	1 to 10 HP, 480V	9 Each		
	11 to 25 HP, 480V	2 Each		
	26 to 50 HP, 480V	1 Each		
	51 to 75 HP, 480V	1 Each		
	76 to 100 HP, 480V	1 Each		
	101 to 200 HP, 480V	1 Each		
	201 to 300 HP, 480V	4 Each		
	301 to 500 HP, 480V	15 Each		
	> 500 HP, 480V	1 Each		
4.	Danfoss VFD and Soft Starters			
	1 to 10 HP, 480V	7 Each		
	11 to 25 HP, 480V	11 Each		
	26 to 50 HP, 480V	14 Each		
	51 to 75 HP, 480V	1 Each		
	76 to 100 HP, 480V	2 Each		
	101 to 200 HP, 480V	1 Each		
	201 to 300 HP, 480V	1 Each		
	301 to 500 HP, 480V	1 Each		
> 500 HP, 480V	1 Each			

COMPANY NAME _____

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BID SCHEDULE CONTINUED

ITEM #	DESCRIPTION	QUANTITY	UNIT CHARGE*	TOTAL CHARGE
5.	Eaton VFD and Soft Starters			
	1 to 10 HP, 480V	1 Each		
	11 to 25 HP, 480V	1 Each		
	26 to 50 HP, 480V	1 Each		
	51 to 75 HP, 480V	1 Each		
	76 to 100 HP, 480V	1 Each		
	101 to 200 HP, 480V	1 Each		
	201 to 300 HP, 480V	1 Each		
	301 to 500 HP, 480V	3 Each		
	> 500 HP, 480V	1 Each		
6.	Fluidyne VFD and Soft Starters			
	1 to 10 HP, 480V	6 Each		
	11 to 25 HP, 480V	1 Each		
	26 to 50 HP, 480V	1 Each		
7.	Hoffman VFD and Soft Starters			
	1 to 10 HP, 480V	6 Each		
	11 to 25 HP, 480V	1 Each		
	26 to 50 HP, 480V	2 Each		
	51 to 75 HP, 480V	1 Each		
	76 to 100 HP, 480V	1 Each		
	101 to 200 HP, 480V	1 Each		
	201 to 300 HP, 480V	1 Each		
	301 to 500 HP, 480V	1 Each		
	> 500 HP, 480V	1 Each		

COMPANY NAME _____

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BID SCHEDULE CONTINUED

ITEM #	DESCRIPTION	QUANTITY	UNIT CHARGE*	TOTAL CHARGE
8.	Mototronics VFD and Soft Starters			
	470 HP, 4160V	4 Each		
9.	Power Logic VFD and Soft Starters			
	1 to 10 HP, 480V	12 Each		
	11 to 25 HP, 480V	1 Each		
	26 to 50 HP, 480V	1 Each		
	51 to 75 HP, 480V	1 Each		
	76 to 100 HP, 480V	1 Each		
10.	Robicon VFD & Soft Starters			
	1 to 10 HP, 480V	8 Each		
	11 to 25 HP, 480V	19 Each		
	26 to 50 HP, 480V	36 Each		
	51 to 75 HP, 480V	3 Each		
	76 to 100 HP, 480V	4 Each		
	101 to 200 HP, 480V	17 Each		
	201 to 300 HP, 480V	6 Each		
	301 to 500 HP, 480V	26 Each		
	> 500 HP, 480V	1 Each		
	1500 HP, 4160V	9 Each		
	1750 HP, 4160V	1 Each		
	2500 HP, 4160V	1 Each		
	3000 HP, 4160V	3 Each		

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BID SCHEDULE CONTINUED

ITEM #	DESCRIPTION	QUANTITY	UNIT CHARGE*	TOTAL CHARGE
11.	Schneider VFD & Soft Starters			
	26 to 50 HP, 480V	1 Each		
	51 to 75 HP, 480V	1 Each		
	76 to 100 HP, 480V	1 Each		
	101 to 200 HP, 480V	12 Each		
	201 to 300 HP, 480V	1 Each		
	301 to 500 HP, 480V	1 Each		
12.	Siemens VFD and Soft Starters			
	1 to 10 HP, 480V	1 Each		
	11 to 25 HP, 480V	1 Each		
	26 to 50 HP, 480V	15 Each		
	51 to 75 HP, 480V	4 Each		
	76 to 100 HP, 480V	4 Each		
	101 to 200 HP, 480V	7 Each		
	201 to 300 HP, 480V	3 Each		
	301 to 500 HP, 480V	9 Each		
	> 500 HP, 480V	1 Each		
	1500 HP, 4160V	3 Each		
	1750 HP, 4160V	1 Each		
	2500 HP, 4160V	1 Each		

COMPANY NAME _____

* UNIT PRICES SHOULD NOT EXCEED 2 DECIMAL POINTS

Failure to return this page as part of bid document may result in rejection of bid.

BID SCHEDULE CONTINUED

ITEM #	DESCRIPTION	QUANTITY	UNIT CHARGE*	TOTAL CHARGE
13.	Snyder VFD and Soft Starters			
	1 to 10 HP, 480V	1 Each		
	11 to 25 HP, 480V	1 Each		
	26 to 50 HP, 480V	1 Each		
	51 to 75 HP, 480V	1 Each		
	76 to 100 HP, 480V	4 Each		
	101 to 200 HP, 480V	1 Each		
	201 to 300 HP, 480V	1 Each		
	301 to 500 HP, 480V	1 Each		
	> 500 HP, 480V	1 Each		
14.	Square D VFD and Soft Starters			
	1 to 10 HP, 480V	9 Each		
	11 to 25 HP, 480V	1 Each		
	26 to 50 HP, 480V	5 Each		
	51 to 75 HP, 480V	1 Each		
	76 to 100 HP, 480V	4 Each		
	101 to 200 HP, 480V	5 Each		
	201 to 300 HP, 480V	6 Each		
	301 to 500 HP, 480V	19 Each		
	> 500 HP, 480V	1 Each		
	700 HP, 4160V	4 Each		
	1750 HP, 4160V	4 Each		
	2500 HP, 4160V	4 Each		

COMPANY NAME _____

* UNIT PRICES SHOULD NOT EXCEED 2 DECIMAL POINTS

BID SCHEDULE CONTINUED

ITEM #	DESCRIPTION	QUANTITY	UNIT CHARGE*	TOTAL CHARGE
15.	Yaskawa VFD and Soft Starters			
	1 to 10 HP, 480V	1 Each		
	11 to 25 HP, 480V	1 Each		
	26 to 50 HP, 480V	4 Each		
	51 to 75 HP, 480V	1 Each		
	76 to 100 HP, 480V	1 Each		
	101 to 200 HP, 480V	1 Each		
	201 to 300 HP, 480V	1 Each		
	301 to 500 HP, 480V	1 Each		
	> 500 HP, 480V	1 Each		
SECTION A TOTAL				\$

COMPANY NAME _____

* UNIT PRICES SHOULD NOT EXCEED 2 DECIMAL POINTS

Section B Repair Pricing				
Item #	Description	Hourly Charge / %	Estimated Annual Qty	Total
Rates for Low Voltage VFDs				
1.	Technician – Repair during normal hours Monday – Friday, 8:00 a.m. to 5:00 p.m.	\$	75 Hours	\$
2.	Technician – Repair after hours Monday – Friday, After 5:00 PM, Weekends & Holidays	\$	10 Hours	\$
3.	Helper – Repair during normal hours Monday – Friday, 8:00 AM to 5:00 PM	\$	75 Hours	\$
4.	Helper – Repair after hours Monday – Friday, After 5:00 PM, Weekends & Holidays	\$	10 Hours	\$
5.	Service Call Charge (one-time charge per call)	\$	20 Hours	\$
6.	Electrician – Electrical modification (outside of VFD) Work during normal hours, Monday – Friday, 8:00 a.m. to 5:00 p.m.	\$	40 Hours	\$
7.	Electrician – Electrical modification (outside of VFD) work Monday – Friday, After 5:00 p.m., Weekends & Holidays	\$	8 Hours	\$
Rates for Medium Voltage VFDs				
8.	Technician – Repair during normal hours Monday – Friday, 8:00 a.m. to 5:00 p.m.	\$	75 Hours	\$
9.	Technician – Repair after hours Monday – Friday, After 5:00 PM, Weekends & Holidays	\$	10 Hours	\$
10.	Helper – Repair during normal hours Monday – Friday, 8:00 AM to 5:00 PM	\$	75 Hours	\$
11.	Helper – Repair after hours Monday – Friday, After 5:00 PM, Weekends & Holidays	\$	15 Hours	\$
12.	Service Call Charge (one-time charge per call)	\$	20 Hours	\$
13.	Electrician – Electrical modification (outside of VFD) Work during normal hours, Monday – Friday, 8:00 a.m. to 5:00 p.m.	\$	80 Hours	\$
14.	Electrician – Electrical modification (outside of VFD) work Monday – Friday, After 5:00 p.m., Weekends & Holidays	\$	8 Hours	\$
Contingency Cost – Additional Work				
15.	State percentage of mark up above cost for repair parts (not to exceed 10%) Not to be understood with gross profit margin	%	\$20,000.00	\$
16.	State percentage of mark up above cost for new VFD equipment (not to exceed 10%), Not to be understood with gross profit margin	%	\$100,000.00	\$
Section B Total				\$
Bid Total				\$

COMPANY NAME _____

* UNIT PRICES SHOULD NOT EXCEED 2 DECIMAL POINTS

BID SCHEDULE CONTINUED

Gwinnett County requires pricing to remain firm for the duration of the initial term of the contract. Failure to hold firm pricing for the initial term of the contract will be sufficient cause for Gwinnett County to declare bid non-responsive.

Unless otherwise noted, quoted prices will remain contractor for four (4) additional one (1) year periods.

Renewal Option 1: _____% Increase _____% Decrease Explanation: _____

Renewal Option 2: _____% Increase _____% Decrease Explanation: _____

Renewal Option 3: _____% Increase _____% Decrease Explanation: _____

Renewal Option 4: _____% Increase _____% Decrease Explanation: _____

The undersigned acknowledges receipt of the following addenda, listed by number and date appearing on each:

Addendum No.	Date	Addendum No.	Date
_____	_____	_____	_____
_____	_____	_____	_____

Termination for Cause: The County may terminate this agreement for cause upon ten days prior written notice to the contractor of the contractor's default in the performance of any term of this agreement. Such termination shall be without prejudice to any of the County's rights or remedies by law.

Termination for Convenience: The County may terminate this agreement for its convenience at any time upon 30 days written notice to the contractor. In the event of the County's termination of this agreement for convenience, the contractor will be paid for those services actually performed. Partially completed performance of the agreement will be compensated based upon a signed statement of completion to be submitted by the contractor, which shall itemize each element of performance.

BID SCHEDULE CONTINUED

Certification Of Non-Collusion In Bid Preparation _____
Signature Date

In compliance with the attached specifications, the undersigned acknowledges all requirements outlined in the "Instructions to Bidders" and all documents referred to therein, if this bid is accepted by the Board of Commissioners within ninety (90) days of the date of proposal opening, to furnish any or all of the items upon which prices are quoted, at the price set opposite each item, delivered to the designated point(s) within the time specified in the fee schedule. By submission of this proposal, I understand that Gwinnett County uses Electronic Payments for remittance of goods and services. Vendors should select their preferred method of electronic payment upon notice of award. For more information on electronic payments, please refer to the [Electronic Payment](#) information in the instructions to bidders.

Legal Business Name _____

Gwinnett County Vendor ID _____

Address _____

Does your company currently have a location within Gwinnett County? Yes No

Representative Signature _____

Printed Name _____

Telephone Number _____ E-mail address _____

Contact Person (if someone other than the authorized representative listed above)

Telephone Number _____ E-mail address _____

COMPANY NAME _____

*** UNIT PRICES SHOULD NOT EXCEED 2 DECIMAL POINTS**

FAILURE TO RETURN THIS PAGE AS PART OF YOUR BID DOCUMENT MAY RESULT IN REJECTION OF BID.

REFERENCES

Gwinnett County requests a minimum of three (3) references where work of a similar size and scope has been completed.

Note: References should be customized for each project, rather than submitting the same set of references for every project bid. The references listed should be of similar size and scope of the project being bid on. Do not submit a project list in lieu of this form.

- 1. Company Name _____
Brief Description of Project _____
Completion Date _____
Contract Amount \$ _____ Start Dates _____
Contact Person _____ Telephone _____
E-Mail Address _____

- 2. Company Name _____
Brief Description of Project _____
Completion Date _____
Contract Amount \$ _____ Start Date _____
Contact Person _____ Telephone _____
E-Mail Address _____

- 3. Company Name _____
Brief Description of Project _____
Completion Date _____
Contract Amount \$ _____ Start Date _____
Contact Person _____ Telephone _____
E-Mail Address _____
Company Name _____

STANDARD INSURANCE REQUIREMENTS (For projects less than \$1,000,000)

1. Statutory Workers' Compensation Insurance
 - (a) Employers Liability:
 - ✓ Bodily Injury by Accident - \$100,000 each accident
 - ✓ Bodily Injury by Disease - \$500,000 policy limit
 - ✓ Bodily Injury by Disease - \$100,000 each employee
2. Commercial General Liability Insurance
 - (a) \$500,000 limit of liability per occurrence for bodily injury and property damage
 - (b) The following additional coverage must apply:
 - ✓ 1986 (or later) ISO Commercial General Liability Form
 - ✓ Dedicated Limits per Project Site or Location (CG 25 03 or CG 25 04)
 - ✓ Additional Insured Endorsement (Form B CG 20 10 with a modification for completed operations or a separate endorsement covering Completed Operations)
 - ✓ Blanket Contractual Liability
 - ✓ Broad Form Property Damage
 - ✓ Severability of Interest
 - ✓ Underground, explosion, and collapse coverage
 - ✓ Personal Injury (deleting both contractual and employee exclusions)
 - ✓ Incidental Medical Malpractice
 - ✓ Hostile Fire Pollution Wording
3. Auto Liability Insurance
 - (a) \$500,000 limit of liability per occurrence for bodily injury and property damage
 - (b) Comprehensive form covering all owned, non-owned, leased, hired, and borrowed vehicles
 - (c) Additional Insured Endorsement
 - (d) Contractual Liability
4. Umbrella Liability Insurance - \$1,000,000 limit of liability
 - (a) The following additional coverage must apply
 - ✓ Additional Insured Endorsement
 - ✓ Concurrency of Effective Dates with Primary
 - ✓ Blanket Contractual Liability
 - ✓ Drop Down Feature
 - ✓ Care, Custody, and Control - Follow Form Primary
 - ✓ Aggregates: Apply Where Applicable in Primary
 - ✓ Umbrella Policy must be as broad as the primary policy
5. Gwinnett County Board of Commissioners (and any applicable Authority) should be shown as an additional insured on General Liability, Auto Liability and Umbrella Liability policies.
6. The cancellation should provide 10 days notice for nonpayment and 30 days notice of cancellation.
7. Certificate Holder should read:
 - Gwinnett County Board of Commissioners
 - 75 Langley Drive
 - Lawrenceville, GA 30046-6935

8. Insurance Company, except Worker' Compensation carrier, must have an A.M. Best Rating of A-5 or higher. Certain Workers' Comp funds may be acceptable by the approval of the Insurance Unit. European markets including those based in London and domestic surplus lines markets that operate on a non-admitted basis are exempt from this requirement provided that the contractor's broker/agent can provide financial data to establish that a market is equal to or exceeds the financial strengths associated with the A.M. Best's rating of A-5 or better.
9. Insurance Company should be licensed to do business by the Georgia Department of Insurance.
10. Certificates of Insurance, and any subsequent renewals, must reference specific bid/contract by project name and project/bid number.
11. The Contractor shall agree to provide complete certified copies of current insurance policy (ies) or a certified letter from the insurance company (ies) if requested by the County to verify the compliance with these insurance requirements.
12. All insurance coverages required to be provided by the Contractor will be primary over any insurance program carried by the County.
13. Contractor shall incorporate a copy of the insurance requirements as herein provided in each and every subcontract with each and every Subcontractor in any tier, and shall require each and every Subcontractor of any tier to comply with all such requirements. Contractor agrees that if for any reason Subcontractor fails to procure and maintain insurance as required, all such required Insurance shall be procured and maintained by Contractor at Contractor's expense.
14. No Contractor or Subcontractor shall commence any work of any kind under this Contract until all insurance requirements contained in this Contract have been complied with and until evidence of such compliance satisfactory to Gwinnett County as to form and content has been filed with Gwinnett County. **The Acord Certificate of Insurance or a preapproved substitute is the required form in all cases where reference is made to a Certificate of Insurance or an approved substitute.**
15. The Contractor shall agree to waive all rights of subrogation against the County, the Board of Commissioners, its officers, officials, employees, and volunteers from losses arising from work performed by the contractor for the County.
16. Special Form Contractors' Equipment and Contents Insurance covering owned, used, and leased equipment, tools, supplies, and contents required to perform the services called for in the Contract. The coverage must be on a replacement cost basis. The County will be included as a Loss Payee in this coverage for County owned equipment, tools, supplies, and contents.
17. The Contractor shall make available to the County, through its records or records of their insurer, information regarding a specific claim related to any County project. Any loss run information available from the contractor or their insurer relating to a County project will be made available to the County upon their request.
18. Compliance by the Contractor and all subcontractors with the foregoing requirements as to carrying insurance shall not relieve the Contractor and all Subcontractors of their liability provisions of the Contract.
19. The Contractor and all Subcontractors are to comply with the Occupational Safety and Health Act of 1970, Public Law 91-956, and any other laws that may apply to this Contract.
20. The Contractor shall at a minimum apply risk management practices accepted by the contractors' industry.



Bid # & Description BL042-24 Provision of Variable Frequency Drive Maintenance Services on an Annual Contract

CODE OF ETHICS AFFIDAVIT

PLEASE RETURN THIS FORM COMPLETED WITH YOUR SUBMITTAL. SUBMITTED FORMS ARE REQUIRED PRIOR TO EVALUATION.

In accordance with Section 54-33 of the Gwinnett County Code of Ordinances the undersigned bidder/proposer makes the following full and complete disclosure under oath, to the best of their knowledge, of the name(s) of all elected officials whom it employs or who have a direct or indirect pecuniary interest in or with the vendor, its affiliates or its subcontractors:

1. _____
Company Submitting Bid/Proposal

2. Please select one of the following:
- No information to disclose (*complete only section 4 below*)
 - Disclosed information below (*complete section 3 & section 4 below*)

3. If additional space is required, please attach list:

Gwinnett County Elected Official Name

Gwinnett County Elected Official Name

Gwinnett County Elected Official Name

Gwinnett County Elected Official Name

4. BY: _____
Authorized Officer or Agent Signature

Sworn to and subscribed before me this

Printed Name of Authorized Officer or Agent

_____ day of _____, 20__

Title of Authorized Officer or Agent of Contractor

Notary Public

(seal)

Note: See Gwinnett County Code of Ethics Ordinance EO2011, Sec. 54-33. The ordinance will be available to view in its' entirety at GwinnettCounty.com



Solicitation Name & No. BL042-24 Provision of Variable Frequency Drive Maintenance Services on an Annual Contract

**CONTRACTOR AFFIDAVIT AND AGREEMENT
(THIS FORM SHOULD BE FULLY COMPLETED AND RETURNED WITH YOUR SUBMITTAL)**

By executing this affidavit, the undersigned contractor verifies its compliance with The Illegal Immigration Reform Enhancements for 2013, stating affirmatively that the individual, firm, or corporation which is contracting with the Gwinnett County Board of Commissioners has registered with and is participating in a federal work authorization program* [any of the electronic verification of work authorization programs operated by the United States Department of Homeland Security or any equivalent federal work authorization program operated by the United States Department of Homeland Security] to verify information of newly hired employees, pursuant to the Immigration Reform and Control Act, in accordance with the applicability provisions and deadlines established therein.

The undersigned further agrees that, should it employ or contract with any subcontractor(s) in connection with the physical performance of services or the performance of labor pursuant to this contract with the Gwinnett County Board of Commissioners, contractor will secure from such subcontractor(s) similar verification of compliance with the Illegal Immigration Reform and Enforcement Act on the Subcontractor Affidavit provided in Rule 300-10-01-.08 or a substantially similar form. Contractor further agrees to maintain records of such compliance and provide a copy of each such verification to the Gwinnett County Board of Commissioners at the time the subcontractor(s) is retained to perform such service.

E-Verify * User Identification Number

Date Registered

Legal Company Name

Street Address

City/State/Zip Code

BY: _____
Authorized Officer or Agent
(Contractor Signature)

Date

Title of Authorized Officer or Agent of Contractor

Printed Name of Authorized Officer or Agent

SUBSCRIBED AND SWORN
BEFORE ME ON THIS THE
____ DAY OF _____, 20____

Notary Public
My Commission Expires: _____

For Gwinnett County Use Only:
Document ID # _____
Issue Date: _____
Initials: _____

* As of the effective date of O.C.G.A. 13-10-91, the applicable federal work authorization program is "E-Verify" operated by the U.S. Citizenship and Immigration Services Bureau of the U.S. Department of Homeland Security, in conjunction with the Social Security Administration (SSA).

GWINNETT COUNTY**DEPARTMENT OF FINANCIAL SERVICES – PURCHASING DIVISION
GENERAL INSTRUCTIONS FOR VENDORS, TERMS AND CONDITIONS*******ATTENTION*****

FAILURE TO RETURN THE FOLLOWING DOCUMENTS MAY RESULT IN SUBMITTAL BEING DEEMED NON-RESPONSIVE AND AUTOMATIC REJECTION. THE COUNTY SHALL BE THE SOLE DETERMINANT OF TECHNICALITY VS. NON-RESPONSIVE SUBMITTAL:

1. FAILURE TO USE COUNTY FEE SCHEDULE.
2. FAILURE TO RETURN OR ACKNOWLEDGE APPLICABLE COMPLIANCE/SPECIFICATION SHEETS.
3. FAILURE TO RETURN OR ACKNOWLEDGE APPLICABLE ADDENDA.
4. FAILURE TO PROVIDE INFORMATION ON ALTERNATES OR EQUIVALENTS.
5. FAILURE TO PROVIDE BID BOND, WHEN REQUIRED, WILL RESULT IN SUBMITTAL BEING DEEMED NON-RESPONSIVE AND AUTOMATIC REJECTION. BID BONDS ARE NOT REQUIRED ON ALL SOLICITATIONS. BOND REQUIREMENTS ARE CLEARLY STATED ON THE INVITATION PAGE. IF CLARIFICATION IS NEEDED, CONTACT THE PURCHASING ASSOCIATE LISTED IN THE INVITATION. **IF BONDS ARE REQUIRED, FORMS WILL BE PROVIDED IN THIS SOLICITATION DOCUMENT.**
6. FAILURE TO PROVIDE CONTRACTOR AFFIDAVIT AND AGREEMENT, WHEN REQUIRED, MAY RESULT IN SUBMITTAL BEING DEEMED NON-RESPONSIVE AND REJECTED. THE CONTRACTOR AFFIDAVIT AND AGREEMENT IS NOT REQUIRED ON ALL SOLICITATIONS. IF CLARIFICATION IS NEEDED, CONTACT THE PURCHASING ASSOCIATE LISTED IN THE INVITATION.
7. FAILURE TO PROVIDE AN ETHICS AFFIDAVIT WHEN REQUIRED, MAY RESULT IN SUBMITTAL BEING DEEMED NON-RESPONSIVE AND REJECTED. THE ETHICS AFFIDAVIT IS REQUIRED ON ALL FORMAL SOLICITATIONS OVER \$100,000.00. IF CLARIFICATION IS NEEDED, CONTACT THE PURCHASING ASSOCIATE LISTED IN THE INVITATION.

I. PREPARATION OF SUBMITTAL

- A. Each vendor shall examine the drawings, specifications, schedule, and all instructions. Failure to do so will be at the vendor's risk, as the vendor will be held accountable for their submittal.
- B. Each vendor shall furnish all information required by the solicitation form or document. Each vendor shall sign the submittal and print or type his or her name on the fee schedule. The person signing the submittal should initial erasures or other changes. An authorized agent of the vendor must sign the submittal.
- C. Fee schedule pricing should have only two decimal places unless otherwise stated. In the event of a calculation error in total price, the unit pricing prevails.
- D. Except for solicitations for the sale of real property, individuals, firms, and businesses seeking an award of a Gwinnett County contract may not initiate or continue any verbal or written communications regarding a solicitation with any County officer, elected official, employee, or other County representative other than the Purchasing Associate named in the solicitation between the date of the issuance of the solicitation and the date of the final award. The Purchasing Director will review violations. If determined that such communication has compromised the competitive process, the offer submitted by the individual, firm or business may be disqualified from consideration for award. Solicitations for the sale of real property may allow for verbal or written communications with the appropriate Gwinnett County representative.
- E. Sample contracts (if pertinent) are attached. These do NOT have to be filled out with the submittal but are contained for informational purposes only. If awarded, the successful vendor(s) will be required to execute these documents prior to County execution.
- F. Effective July 1, 2013 and in accordance with the Georgia Illegal Immigration Reform Enhancements for 2013, an original signed, notarized and fully completed Contractor Affidavit and Agreement should be included with vendor's submittal, if the solicitation is for the physical performance of services for all labor or service contract(s) that exceed \$2,499.99 (except for services performed by an individual who is licensed pursuant to Title 26, Title 43, or the State Bar of Georgia). Failure to provide the Contractor Affidavit and Agreement with your submittal may result in being deemed non-responsive and automatic rejection.

II. DELIVERY

- A. Each vendor should state time of proposed delivery of goods or services.
- B. Words such as "immediate," "as soon as possible," etc. should not be used. The known earliest date or the minimum number of calendar days required after receipt of order (delivery A.R.O.) should be stated. If calendar days are used, include Saturday, Sunday, and holidays in the number.

III. EXPLANATION TO VENDORS

Any explanation desired by a vendor regarding the meaning or interpretation of the solicitation, drawings, specifications, etc. must be requested by the question cutoff deadline stated in the solicitation for a reply to reach all vendors before the deadline of the solicitation. Any information given to a prospective vendor concerning a solicitation will be furnished to all prospective vendors as an addendum to the solicitation if such information is necessary or if the lack of such information would be prejudicial to uninformed vendors. The written solicitation documents supersede any verbal or written communications between the parties. Receipt of addenda should be acknowledged in the submittal. **It is the vendor's responsibility to ensure they have all applicable addenda prior to their submittal.** This may be accomplished by contacting the assigned Purchasing Associate prior to the submittal or visiting the Gwinnett County website.

IV. SUBMISSION OF FORMAL OFFERS/SUBMITTALS

- A. Formal bid and proposal submittals shall be enclosed in a sealed package or envelope, addressed to the Gwinnett County Purchasing Division with the name of the vendor, the date and hour of opening and the solicitation number on the face of the package or envelope. Facsimile or emailed submittals will not be considered. Any addenda should be enclosed in the sealed envelopes as well.
- B. ADD/DEDUCT: Add or deduct amounts indicated on the outside of the envelope are allowed and will be applied to the lump sum amount. Amount shall be clearly stated and should be initialed by an authorized representative.
- C. Samples of items, when required, must be submitted within the time specified and, unless otherwise specified by the County, at no expense to the County. Unless otherwise specified, samples will be returned at the vendor's request and expense, if items are not destroyed by testing.
- D. Items offered must meet required specifications and must be of a quality that will adequately serve the use and purpose for which intended.
- E. Full identification of each item submitted, including brand name, model, catalog number, etc. must be furnished to identify exactly what the vendor is offering. Manufacturer's literature may be furnished but vendor should not submit excessive marketing material.
- F. The vendor must certify that items to be furnished are new and that the quality has not deteriorated to impair its usefulness.
- G. Unsigned submittals will not be considered except in cases where it is enclosed with other documents that have been signed. The County will determine acceptability in these cases.
- H. Gwinnett County is exempt from federal excise tax and Georgia sales tax regarding goods and services purchased directly by Gwinnett County. Vendors are responsible for federal excise tax and sales tax, including taxes for materials incorporated in county construction projects. Vendors should contact the State of

Georgia Sales Tax Division for additional information. Agreements where there is a cost-plus mark-up, mark-up will not be paid on taxes.

- I. Information submitted by a vendor in the solicitation process shall be subject to disclosure after the public opening in accordance with the Georgia Open Records Act.

V. WITHDRAWAL DUE TO ERRORS

Vendors must give Gwinnett County Purchasing Division written notice within two (2) business days of completion of the opening stating that they wish to withdraw their submittal without penalty for an obvious clerical or calculation error. Submittal may be withdrawn from consideration if the price was substantially lower than the other submittals due solely to a mistake therein, provided pricing was submitted in good faith, and the mistake was a clerical mistake as opposed to a judgment mistake and was due to an unintentional arithmetic error or an unintentional omission of a quantity of work, labor or material made directly in the compilation of the submittal. The unintentional arithmetic error or omission can be clearly proven through inspection of the original work papers, documents, and materials used in preparing the submittal sought to be withdrawn. The vendor's original work papers shall be the sole acceptable evidence of error and mistake if a vendor elects to withdraw their submittal. If a quote or bid submittal is withdrawn under the authority of this provision, the lowest remaining responsive offer shall be deemed to be low bid.

No vendor who is permitted to withdraw their submittal shall, for compensation, supply any material or labor or perform any subcontract or other work agreement for the person or firm to whom the contract is awarded or otherwise benefit, directly or indirectly, from the performance of the project for which the withdrawn bid or proposal was submitted.

Vendors who fail to request withdrawal by the required forty-eight (48) hours may automatically forfeit bid bond if a bond was required. Bid may not be withdrawn otherwise.

Withdrawal is not automatically granted and will be allowed solely at Gwinnett County's discretion.

VI. TESTING AND INSPECTION

Since tests may require several days for completion, the County reserves the right to use a portion of any supplies before the results of the tests are determined. Cost of inspections and tests of any item that fails to meet the specifications, shall be borne by the vendor.

VII. F.O.B. POINT

Unless otherwise stated in the request for invitation and any resulting contract, or unless qualified by the vendor, items shall be shipped F.O.B. Destination, Freight Prepaid and Allowed. The seller shall retain title for the risk of transportation, including the filing for loss or damages. The invoice covering the items is not payable until items are delivered and the contract of carriage has been completed. Unless the F.O.B. clause states otherwise, the seller assumes transportation and related charges either by payment or allowance.

VIII. PATENT INDEMNITY

The vendor guarantees to hold the County, its agents, officers, or employees harmless from liability of any nature or kind for use of any copyrighted or uncopyrighted composition, secret process, patented or unpatented invention, articles or appliances furnished or used in the performance of the contract, for which the vendor is not the patentee, assignee, or licensee.

IX. BID BONDS AND PAYMENT AND PERFORMANCE BONDS (IF REQUIRED, FORMS WILL BE PROVIDED IN THIS DOCUMENT)

A five percent (5%) bid bond, a one hundred percent (100%) performance bond, and a one hundred percent (100%) payment bond must be furnished to Gwinnett County for any solicitation as required in the solicitation package or document. **Failure to submit a bid bond with the proper rating will result in submittal being deemed non-responsive.** Bonding company must be authorized to do business in Georgia by the Georgia Insurance Commission, listed in the Department of the Treasury's publication of companies holding certificates of authority as acceptable surety on Federal bonds and as acceptable reinsuring companies, and have an A.M. Best rating as stated in the insurance requirement of the solicitation. **The bid bond, payment bond, and performance bond must have the proper A.M. Best rating as stated in the solicitation document.**

X. DISCOUNTS

- A. Time payment discounts may be considered in arriving at net prices and in award of solicitations. Offers of discounts for payment within ten (10) days following the end of the month are preferred.
- B. In connection with any discount offered, time will be computed from the date of delivery and acceptance at destination, or from the date correct invoice or voucher is received, whichever is the later date. Payment is deemed to be made for the purpose of earning the discount on the date of the County check.

XI. AWARD

- A. Award will be made to either the highest scoring firm (for proposals) or the lowest responsive and responsible vendor (for quotes/bids). The quality of the articles to be supplied, their conformity with the specifications, their suitability to the requirements of the County, and the delivery terms will be taken into consideration in making the award. The County may make such investigations as it deems necessary to determine the ability of the vendor to perform, and the vendor shall furnish to the County all such information and data for this purpose as the County may request. The County reserves the right to reject any submittal if the evidence submitted by, or investigation of such vendor fails to satisfy the County that such vendor is properly qualified to carry out the obligations of the contract.
- B. The County reserves the right to reject or accept any or all offers and to waive technicalities, informalities and minor irregularities in the submittals received.

- C. The County reserves the right to make an award as deemed in its best interest, which may include awarding to a single vendor or multiple vendors; or to award the whole solicitation agreement, only part of the agreement, or none of the agreement, based on its sole discretion of its best interest.
- D. In the event of proposal scores rounded to the nearest whole number result in a tie score, the award will be based on lowest cost.
- E. If proposal negotiations with the highest ranked firm are unsuccessful, the County may then negotiate with the second ranked firm and so on until a satisfactory agreement has been reached.

XII. DELIVERY FAILURES

Failure of a vendor to deliver within the time specified or within reasonable time as interpreted by the Purchasing Director, or failure to make replacement of rejected articles/services when so requested, immediately or as directed by the Purchasing Director, shall constitute authority for the Purchasing Director to purchase in the open market articles/services of comparable grade to replace the articles/services rejected or not delivered. On all such purchases, the vendor shall reimburse the County within a reasonable time specified by the Purchasing Director for any expense incurred in excess of the contract prices, or the County shall have the right to deduct such amount from monies owed the defaulting vendor. Alternatively, the County may penalize the vendor one percent (1%) per day for a period of up to ten (10) days for each day that delivery or replacement is late. Should public necessity demand it, the County reserves the right to use or consume articles/services delivered which are substandard in quality, subject to an adjustment in price to be determined by the Purchasing Director.

XIII. COUNTY FURNISHED PROPERTY

No material, labor or facilities will be furnished by the County unless so provided in the solicitation package.

XIV. REJECTION OF SUBMITTALS

Failure to observe any of the instructions or conditions in this solicitation package may constitute grounds for rejection.

XV. CONTRACT

Each submittal is received with the understanding that the acceptance in writing by the County of the offer to furnish any or all the commodities or services described therein shall constitute a contract between the vendor and the County which shall bind the vendor on his part to furnish and deliver the articles quoted at the prices stated in accordance with the conditions of said accepted submittal. The County, on its part, may order from such vendor, except for cause beyond reasonable control, and to pay for, at the agreed prices, all articles specified and delivered.

Upon receipt of a solicitation package containing a Gwinnett County "Sample Contract" as part of the requirements, it is understood that the vendor has reviewed the documents with the understanding that Gwinnett County requires that all agreements between the parties must be entered into via this document. If any exceptions are taken to any part, each must be stated in detail and submitted as part of the vendor's submittal. If no

exceptions are stated, it is assumed that the vendor fully agrees to the provisions contained in the "Sample Contract" in its entirety.

Any Consultant as defined in O.C.G.A. §36-80-28 that is engaged to develop or draft specifications/requirements or serve in a consultative role during the procurement process for any County procurement method, by entering into such an arrangement or executing a contract, the consultant agrees to abide by the current state law and: 1) Avoid any appearance of impropriety and shall follow all policies and procedures of the County, 2) Disclose to the County any material transaction or relationship pursuant to §36-80-28, that is considered a conflict of interest, any involvement in litigation or other dispute, relationship, or financial interest not disclosed in the ethics affidavit, and 3) Acknowledge that any violation or threatened violation of the agreement may cause irreparable injury to the County, entitling the County to seek injunctive relief in addition to all other legal remedies.

When the vendor has performed in accordance with the provisions of this agreement, Gwinnett County shall pay to the vendor, within thirty (30) days of receipt of any department approved payment request and based upon work completed or service provided pursuant to the contract, the sum so requested, less the retainage stated in this agreement, if any. If Gwinnett County fails to pay the vendor within sixty (60) days of receipt of a pay request based upon work completed or service provided pursuant to the contract, the County shall pay the vendor interest at the rate of ½% per month or pro rata fraction thereof, beginning the sixty-first (61st) day following receipt of pay requests. The vendor's acceptance of progress payments or final payment shall release all claims for interest on said payment.

The parties agree that this Contract shall be governed and construed in accordance with the laws of the State of Georgia.

XVI. NON-COLLUSION

Vendor declares that the submittal is not made in connection with any other vendor's submittal for the same commodity or commodities, and that the submittal is bona fide and is in all respects fair and without collusion or fraud. An affidavit of non-collusion shall be executed by each vendor. Collusion and fraud in submittal preparation shall be reported to the State of Georgia Attorney General and the United States Justice Department.

XVII. DEFAULT

The contract may be canceled or annulled by the Purchasing Director in whole or in part by written notice of default to the vendor upon non-performance or violation of contract terms. An award may be made to the next low responsive and responsible vendor, or the next highest scoring responsive and responsible proposer, or articles specified may be purchased on the open market similar to those so terminated. In either event, the defaulting vendor (or their surety) shall be liable to the County for costs to the County in excess of the defaulted contract prices; provided, however, that the vendor shall continue the performance of this contract to the extent not terminated under the provisions of this clause. Failure of the vendor to deliver materials or services within the time stipulated on their offer, unless extended in writing by the Purchasing Director, shall constitute contract default.

XVIII. TERMINATION FOR CAUSE

The County may terminate this agreement for cause upon ten days prior written notice to the vendor of the vendor's default in the performance of any term of this agreement. Such termination shall be without prejudice to any of the County's rights or remedies by law.

XIX. TERMINATION FOR CONVENIENCE

The County may terminate this agreement for its convenience at any time upon 30 days written notice to the vendor. In the event of the County's termination of this agreement for convenience, the vendor will be paid for those services actually performed. Partially completed performance of the agreement will be compensated based upon a signed statement of completion to be submitted by the vendor, which shall itemize each element of performance.

XX. SUBSTITUTIONS

Vendors offering substitutions or who are deviating from the attached specifications shall list such deviations on a separate sheet to be submitted with their offer. The absence of such a substitution list shall indicate that the vendor has taken no exception to the specifications contained herein.

XXI. INELIGIBLE VENDORS

The County may choose not to accept the offer by an individual, firm, or business who is in default on the payment of taxes, licenses, or other monies owed to the County. Additionally, vendors or persons placed on an Ineligible Source List for reasons listed in Part 6, Section II of the Gwinnett County Purchasing Ordinance shall not be eligible to provide any commodities or services to the County during the period such person remains on the Ineligible Source List.

XXII. PENDING LITIGATION

An individual, firm, or business that has litigation pending against the County, or anyone representing a firm or business in litigation against the County, not arising out of the procurement process, will be disqualified.

XXIII. OCCUPATION TAX CERTIFICATE

Each successful vendor must have a valid Gwinnett County occupation tax certificate if the vendor maintains an office within the unincorporated area of Gwinnett County. Incorporated, out of County, and out of State vendors are required to have any and all certificates necessary to do business in any town, County or municipality in the State of Georgia, or as otherwise required by County ordinance or resolution. Vendors may be required to provide evidence of valid certificates. Out of State vendors are required to have a certificate in the Georgia jurisdiction where they receive the most revenue.

XXIV. PURCHASING POLICY AND REVIEW COMMITTEE

The Purchasing Policy & Review Committee has been established to review purchasing procedures and make recommendations for changes; resolve problems regarding the purchasing process; make recommendations for standardization of commodities, schedule buying, qualified products list, annual contracts, supplier performance (Ineligible Source List), and other problems or requirements related to purchasing. The Purchasing Policy & Review Committee has authority to place vendors on the Ineligible Source List for

reasons listed in Part 6, Section II of the Gwinnett County Purchasing Ordinance, for a period not to exceed three (3) years.

XXV. AMERICANS WITH DISABILITIES ACT

All vendors for Gwinnett County are required to comply with all applicable sections of the Americans with Disabilities Act (ADA) as an equal opportunity employer. In compliance with the Americans with Disabilities Act (ADA), Gwinnett County provides reasonable accommodations to permit a qualified applicant with a disability to enjoy the privileges of employment equal to those employees without disabilities. Disabled individuals must satisfy job requirements for education background, employment experience, and must be able to perform those tasks that are essential to the job with or without reasonable accommodations. Any requests for the reasonable accommodations required by individuals to fully participate in any open meeting, program or activity of Gwinnett County should be directed to the ADA Coordinator, 75 Langley Drive, Lawrenceville, Georgia 30046, 770-822-8165.

XXVI. ALTERATIONS OF SOLICITATION AND ASSOCIATED DOCUMENTS

Alterations of County documents are strictly prohibited and will result in automatic disqualification of the vendor's solicitation response. If there are "exceptions" or comments to any of the solicitation requirements or other language, then the firm may make notes to those areas, but may not materially alter any document language.

XXVII. TAX LIABILITY

Local and state governmental entities must notify vendors of their use tax liability on public works projects. Under Georgia law, private vendors are responsible for paying a use tax equal to the sales tax rate on material and equipment purchased under a governmental exemption that is incorporated into a government construction project: excluding material and equipment provided for the installation, repair, or expansion of a public water, gas, or sewer system when the property is installed for general distribution purposes. To the extent the tangible personal property maintains its character (for example, the installation of a kitchen stove), it remains tax-exempt. However, if the installation incorporates the tangible personal property into realty (for example, the installation of sheetrock), it becomes taxable to the private vendor. See O.C.G.A. §48-8-3(2) and O.C.G.A. §48-8-63.

XXVIII. STATE AND FEDERAL LAW REGARDING WORKER VERIFICATION

Effective July 1, 2013 State Law requires that all who enter into a contract for the physical performance of services for all labor or service contract(s) that exceed \$2,499.99 (except for services performed by an individual who is licensed pursuant to Title 26, Title 43, or the State Bar of Georgia) and that all who enter into a contract for public works as defined by O.C.G.A. §36-91-2(12) for the County, must satisfy the Illegal Immigration Reform Enhancements for 2013 in conjunction with the Federal Immigration Reform and Control Act (IRCA) of 1986, in all manner, and such are conditions of the contract.

The Purchasing Division Director with the assistance of the Internal Audit Division shall be authorized to conduct random audits of a vendor's or subcontractors' compliance with the Illegal Immigration Reform Enhancements for 2013 and the rules and regulations of the Georgia Department of Labor. The vendor and subcontractors shall retain all documents and records of its compliance for a period of five (5) years following completion of the

contract or shall abide by the current time requirements at the time of the contract. This requirement shall apply to all contracts for all public works, labor or service contracts that exceed \$2,499.99 except for services performed by an individual who is licensed pursuant to Title 26, Title 43, or the State Bar of Georgia.

Whenever it appears that a vendor's or subcontractor's records are not sufficient to verify the work eligibility of any individual in the employment of such vendor or subcontractor, the Purchasing Director shall report same to the Department of Homeland Security and may result in termination of the contract if it is determined at any time during the work that the vendor or subcontractor is no longer in compliance with worker verification.

By submitting an offer to the County, vendor agrees that, in the event the vendor employs or contracts with any subcontractor(s) in connection with the covered contract, the vendor will secure from the subcontractor(s) such subcontractor(s)' indication of the employee-number category applicable to the subcontractor, as well as attestation(s) from such subcontractor(s) that they follow the Illegal Immigration Reform Enhancements for 2013 in conjunction with all federal requirements. Original signed, notarized Subcontractor Affidavits and Agreements must be maintained by the vendor awarded the contract.

A vendor's or subcontractor's failure to participate in the federal work authorization program as defined above shall be subject to termination of the contract. A vendor's failure to follow Gwinnett County's instruction to terminate a subcontractor that is not participating in the federal work authorization program may be subject to termination of the contract.

XXIX. SOLID WASTE ORDINANCE

No individual, partnership, corporation, or other entity shall engage in solid waste handling except in such a manner as to conform to and comply with the current Gwinnett County Solid Waste Ordinance and all other applicable local, state and federal legislation, rules, regulation, and orders.

XXX. GENERAL CONTRACTORS LICENSE

Effective July 1, 2008: **All General Contractors must have a current valid license from the State Licensing Board for Residential and General Contractors, unless specifically exempted from holding such license pursuant to Georgia law (O.C.G.A. §43-41-17).**

XXXI. PRODUCTS MANUFACTURED IN GEORGIA

When contracting for or purchasing supplies, materials, equipment, or agricultural products that exceeds \$100,000.00, excluding beverages for immediate consumption, Gwinnett County shall give preference as far as may be reasonable and practicable to such supplies, materials, equipment, and agricultural products as may be manufactured or produced in this state. Such preference shall not sacrifice quality. Gwinnett County Board of Commissioners shall consider, among other factors, information submitted by the vendor which may include the vendor's estimate of the multiplier effect on gross state domestic product and the effect on public revenues of the state and the effect on public revenues of political subdivisions resulting from acceptance of an offer to sell Georgia manufactured or produced goods as opposed to out-of-state manufactured or produced goods. Any such estimates shall be in writing. **(O.C.G.A. §36-84-1).**

XXXII. INDEMNIFICATION

To the fullest extent permitted by law, the vendor shall, at his sole cost and expense, indemnify, defend, satisfy all judgments, and hold harmless the County, its commissioners, officers, agents, and employees from and against all claims, damages, actions, judgments, costs, penalties, liabilities, losses and expenses, including, but not limited to, attorney's fees arising out of or resulting from the performance of the work, provided that any such claim, damage, action, judgment, cost, penalty, liability, loss or expense (1) is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the work itself) including the loss of use resulting therefrom, and (2) is caused in whole or in part by the negligent acts, errors by any act or omission of the vendor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless whether such claim is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or otherwise reduce any of the rights or obligations of indemnity which would otherwise exist as to any party or person described in this agreement. In any and all claims against the County, its commissioners, officers, agents, and employees by any employee of the vendor, any subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the indemnification obligation contained herein shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the vendor or any subcontractor under Worker's Compensation Acts, disability benefit acts, or other employee benefit acts.

Vendor shall also indemnify, hold harmless, insure, and defend the County for damages, losses, or expenses to the extent caused by or resulting from the negligence, recklessness, or intentionally wrongful conduct of the vendor or other persons employed or utilized by the vendor in the performance of a contract that utilizes survey services.

XXXIII. CODE OF ETHICS

Vendors shall disclose under oath the name of all elected officials whom it employs or who have a direct or indirect pecuniary interest in the business entity, its affiliates, or its subcontractors. (This shall not apply to informal purchases as defined by the Purchasing Ordinance.) The vendor shall execute a Code of Ethics affidavit. Failure to submit the affidavit during the procurement process shall render the offer non-responsive.

Any business entity holding a contract with Gwinnett County that after execution of the contract or issuance of the purchase order employs, subcontracts with, or transfers a direct or indirect pecuniary interest in the business entity to an elected official shall within five (5) days disclose such fact in writing under oath to the Clerk of the Board of Commissioners. Failure to comply, or vendors submitting false information or omitting material information shall be referred to the Purchasing Policy & Review Committee for action pursuant to the Purchasing Ordinance or to the District Attorney for possible criminal prosecution. Note: See Gwinnett County Code of Ethics Ordinance EO2011, Sec. 54-33. The ordinance is available to view in its entirety at www.gwinnettcounty.com.

XXXIV. ELECTRONIC PAYMENT

Vendors accepting procurements should select one of Gwinnett County's electronic payment options.

- A. A vendor may select ePayables payment process which allows acceptance of Gwinnett County's virtual credit card as payment for outstanding invoices. The authorized vendor representative must send an email to: vendorelectronicpayment@gwinnettcountry.com and indicate the desire to enroll in Gwinnett County's virtual credit card payment process.
- B. A vendor may select Direct Deposit payment process and the payment will be deposited directly into an account at their designated financial institution. To securely enroll in Direct Deposit, either access your online [Vendor Login and Registration](#) on the County's web site and update the requested information on the Direct Deposit tab or mail a [Direct Deposit Authorization Agreement](#) form.

The County will send a Payment Advice notification via email for both payment types. For more information about Electronic Payments, please visit the Gwinnett County Treasury Division page or click here -> [Gwinnett County Electronic Payments](#).

DIRECTIONS TO GJAC BUILDING FROM I-85

Take I-85 to Georgia Highway 316 (Lawrenceville/Athens exit). Exit Highway 120 (Lawrenceville/Duluth exit) and turn right. At seventh traffic light, turn right onto Langley Drive. Cross Highway 29 through the traffic light and proceed through the roundabout. Visitors can either proceed to the front parking area on the left or to the parking deck behind the building. Click [here](#) for additional information about parking. The Purchasing Division is located on the second floor, West Wing.

FAILURE TO RETURN THIS PAGE MAY RESULT IN REMOVAL OF YOUR COMPANY FROM COMMODITY LISTING.

BL042-24

Buyer Initials: MM

IF YOU DESIRE TO SUBMIT A "NO BID" IN RESPONSE TO THIS PACKAGE, PLEASE INDICATE BY CHECKING ONE OR MORE OF THE REASONS LISTED BELOW AND EXPLAIN.

- Do not offer this product or service; remove us from your bidder's list for this item only.
- Specifications too "tight"; geared toward one brand or manufacturer only.
- Specifications are unclear.
- Unable to meet specifications
- Unable to meet bond requirements
- Unable to meet insurance requirements
- Our schedule would not permit us to perform.
- Insufficient time to respond.
- Other

COMPANY NAME _____

AUTHORIZED REPRESENTATIVE _____

SIGNATURE

**Gwinnett County Department of Water Resources
Variable Frequency Drive Data**

Drive Identification	Manufacturer	Type	Equipment Driven	HP	Voltage
Crooked Creek WRF					
RAS Pump 1 VFD	Yaskawa	VFD	RAS Pump	30	480
RAS Pump 2 VFD	Yaskawa	VFD	RAS Pump	30	480
RAS Pump 3 VFD	Yaskawa	VFD	RAS Pump	30	480
RAS Pump 4 VFD	Yaskawa	VFD	RAS Pump	30	480
WAS Pump 1 VFD	ABB	VFD	WAS Pump	15	480
WAS Pump 2 VFD	Cscon	VFD	Out of Service		480
Centrifuge #2 VFD	ABB	VFD	Centrifuge	300	480
Sludge Pump #2 VFD	Cuttler Hammer	VFD	Sludge Pump	30	480
F. Wayne Hill WRC					
Scrubber Fan #1	Robicon	VFD	Odor Control Fan	350	480
Scrubber Fan #2	Robicon	VFD	Odor Control Fan	350	480
Scrubber Fan #3	Robicon	VFD	Odor Control Fan	350	480
Scrubber Fan #4	Robicon	VFD	Odor Control Fan	350	480
Scrubber Fan #5	Robicon	VFD	Odor Control Fan	350	480
Channel Blower #1	Robicon	Soft Starter	Compressed Air Blower	100	480
Channel Blower #2	Robicon	Soft Starter	Compressed Air Blower	100	480
Scum Feed Pump #1	Danfoss	Soft Starter	Scum Pump	100	480
Scum Feed Pump #2	Danfoss	Soft Starter	Scum Pump	100	480
RAS Pump #1	Robicon	VFD	Vertical Centrifugal Pump	50	480
RAS Pump #2	Robicon	VFD	Vertical Centrifugal Pump	50	480
RAS Pump #3	Robicon	VFD	Vertical Centrifugal Pump	50	480
RAS Pump #4	Robicon	VFD	Vertical Centrifugal Pump	50	480
RAS Pump #5	Robicon	VFD	Vertical Centrifugal Pump	50	480
RAS Pump #6	Robicon	VFD	Submersible Pump	200	480
RAS Pump #7	Robicon	VFD	Submersible Pump	200	480
RAS Pump #8	Robicon	VFD	Submersible Pump	200	480
RAS Pump #9	Robicon	VFD	Submersible Pump	200	480
RAS Pump #10	Siemens	VFD	Submersible Pump	200	480
RAS Pump #11	Robicon	VFD	Submersible Pump	200	480
Solids Clarifier #1	Robicon	VFD	Clarifier Rake Arm	30	480
Solids Clarifier #2	Robicon	VFD	Clarifier Rake Arm	30	480
Solids Clarifier #3	Robicon	VFD	Clarifier Rake Arm	30	480
Solids Clarifier #4	Robicon	VFD	Clarifier Rake Arm	30	480
Chemical Clarifier #1	Robicon	VFD	Clarifier Rake Arm	3	480
Chemical Clarifier #2	Robicon	VFD	Clarifier Rake Arm	3	480
Chemical Clarifier #3	Robicon	VFD	Clarifier Rake Arm	3	480
Chemical Clarifier #4	Robicon	VFD	Clarifier Rake Arm	3	480
Sludge Pump #5	Robicon	VFD	Hose Pump	25	480
Sludge Pump #6	Robicon	VFD	Hose Pump	25	480
Sludge Pump #7	Robicon	VFD	Hose Pump	25	480
Sludge Pump #8	Robicon	VFD	Hose Pump	25	480
Backwash Pump #1	Robicon	VFD	Vertical Centrifugal Pump	200	480
Backwash Pump #2	Robicon	VFD	Vertical Centrifugal Pump	200	480
Backwash Pump #3	Robicon	VFD	Vertical Centrifugal Pump	50	480
Backwash Pump #4	Robicon	VFD	Vertical Centrifugal Pump	50	480
Backwash Return Pump #1	Robicon	VFD	Vertical Centrifugal Pump	500	480
Backwash Return Pump #2	Robicon	VFD	Vertical Centrifugal Pump	500	480
Backwash Return Pump #3	Robicon	VFD	Submersible Pump	200	480
Backwash Return Pump #4	Robicon	VFD	Submersible Pump	200	480
Backwash Return Pump #5	Robicon	VFD	Submersible Pump	200	480

**Gwinnett County Department of Water Resources
Variable Frequency Drive Data**

Drive Identification	Manufacturer	Type	Equipment Driven	HP	Voltage
Backwash Return Pump #6	Robicon	VFD	Submersible Pump	200	480
Blower A	Robicon	Soft Starter	Blower	250	480
Blower B	Robicon	Soft Starter	Blower	250	480
Blower C	Robicon	Soft Starter	Blower	250	480
Blower D	Robicon	Soft Starter	Blower	250	480
Blower E	Robicon	Soft Starter	Blower	250	480
Blower F	Robicon	Soft Starter	Blower	250	480
Permeate Pump #351	Siemens	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #352	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #353	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #354	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #355	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #356	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #357	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #358	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #359	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #3510	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #3511	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #3512	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #3513	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #3514	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #3515	Robicon	VFD	Horizontal Centrifugal Pump	40	480
Permeate Pump #3516	Robicon	VFD	Horizontal Centrifugal Pump	40	480
CIP Pump #81A	Robicon	VFD	Centrifugal Pump	25	480
CIP Pump #81B	Robicon	VFD	Centrifugal Pump	25	480
Backpulse Pump #88A	Siemens	VFD	Horizontal Centrifugal Pump	75	480
Backpulse Pump #88B	Robicon	VFD	Horizontal Centrifugal Pump	75	480
Eff. Pump #1	Robicon	VFD	Horizontal Centrifugal Pump	400	480
Eff. Pump #2	Robicon	VFD	Horizontal Centrifugal Pump	400	480
Eff. Pump #3	Robicon	VFD	Horizontal Centrifugal Pump	400	480
Eff. Pump #4	Robicon	VFD	Horizontal Centrifugal Pump	400	480
Eff. Pump #5	Robicon	VFD	Horizontal Centrifugal Pump	400	480
Eff. Pump #6	Robicon	VFD	Horizontal Centrifugal Pump	400	480
Eff. Pump #7	Robicon	VFD	Horizontal Centrifugal Pump	400	480
Eff. Pump #8	Robicon	VFD	Horizontal Centrifugal Pump	400	480
Eff. Pump #9	Robicon	VFD	Horizontal Centrifugal Pump	400	480
Eff. Pump #10	Robicon	VFD	Horizontal Centrifugal Pump	400	480
Eff. Pump #11	Robicon	VFD	Horizontal Centrifugal Pump	400	480
Eff. Pump #12	Robicon	VFD	Vertical Centrifugal Pump	400	480
Eff. Pump #13	Robicon	VFD	Vertical Centrifugal Pump	400	480
Eff. Pump #14	Robicon	VFD	Vertical Centrifugal Pump	400	480
Eff. Pump #15	Siemens	VFD	Vertical Centrifugal Pump	400	480
Eff. Pump #16	Robicon	VFD	Vertical Centrifugal Pump	400	480
AHU #1	Robicon	VFD	Air Handler	20	480
AHU #3	Robicon	VFD	Air Handler	20	480
AHU #4	Robicon	VFD	Air Handler	20	480
Chem. Sludge Trans. Pump #23	Danfoss	VFD	Hose Pump	20	480
Chem. Sludge Trans. Pump #26	Robicon	VFD	Hose Pump	20	480
Chem. Sludge Trans. Pump #27	Robicon	VFD	Hose Pump	20	480
Chem. Sludge Trans. Pump #28	Robicon	VFD	Hose Pump	40	480
Chem. Sludge Trans. Pump #29	Robicon	VFD	Hose Pump	40	480

**Gwinnett County Department of Water Resources
Variable Frequency Drive Data**

Drive Identification	Manufacturer	Type	Equipment Driven	HP	Voltage
Chem. Sludge Trans. Pump #30	Robicon	VFD	Hose Pump	40	480
Conc. Scum Pump #1	Danfoss	VFD	PD Pump	10	480
Conc. Scum Pump #2	Danfoss	VFD	PD Pump	10	480
Digested Sludge Trans. Pump #25	Robicon	VFD	Hose Pump	50	480
Digested Sludge Trans. Pump #26	Robicon	VFD	Hose Pump	50	480
Digested Sludge Trans. Pump #27	Robicon	VFD	Hose Pump	50	480
Digested Sludge Trans. Pump #28	Robicon	VFD	Hose Pump	50	480
Digested Sludge Trans. Pump #29	Robicon	VFD	Hose Pump	50	480
FOG Feed Pump #1	Danfoss	VFD	Hose Pump	7.5	480
FOG Feed Pump #2	Danfoss	VFD	Hose Pump	7.5	480
FOG Feed Pump #3	Danfoss	VFD	Hose Pump	7.5	480
FOG Feed Pump #4	Danfoss	VFD	Hose Pump	7.5	480
Poly. Pump #1	Fluidyne	VFD	Polymer Pump	2	480
Poly. Pump #2	Fluidyne	VFD	Polymer Pump	2	480
Poly. Pump #3	Fluidyne	VFD	Polymer Pump	2	480
Poly. Pump #4	Fluidyne	VFD	Polymer Pump	2	480
Poly. Pump #5	Fluidyne	VFD	Polymer Pump	2	480
Poly. Pump #6	Fluidyne	VFD	Polymer Pump	2	480
Rotary Drum Thickener #1	Hoffman	VFD	Chain Drive	5	480
Rotary Drum Thickener #2	Hoffman	VFD	Chain Drive	5	480
Rotary Drum Thickener #3	Hoffman	VFD	Chain Drive	5	480
Rotary Drum Thickener #4	Hoffman	VFD	Chain Drive	5	480
Rotary Drum Thickener #5	Hoffman	VFD	Chain Drive	5	480
Rotary Drum Thickener #6	Hoffman	VFD	Chain Drive	5	480
WAS Trans. Pump #1	Danfoss	VFD	Horizontal Centrifugal Pump		480
WAS Trans. Pump #2	Danfoss	VFD	Horizontal Centrifugal Pump		480
WAS Trans. Pump #3	Danfoss	VFD	Horizontal Centrifugal Pump		480
Primary Sludge Trans. Pump #1	Danfoss	VFD	Horizontal Centrifugal Pump	25	480
Primary Sludge Trans. Pump #2	Danfoss	VFD	Horizontal Centrifugal Pump	25	480
Primary Sludge Trans. Pump #3	Danfoss	VFD	Horizontal Centrifugal Pump	25	480
WAS Blower #1	Danfoss	VFD	Blower	40	480
WAS Blower #2	Danfoss	VFD	Blower	40	480
Thickened Sludge Pump #1	Danfoss	VFD	PD Pump	50	480
Thickened Sludge Pump #2	Danfoss	VFD	PD Pump	50	480
Thickened Sludge Pump #3	Danfoss	VFD	PD Pump	50	480
Thickened Sludge Pump #4	Danfoss	VFD	PD Pump	50	480
Thickened Sludge Pump #5	Danfoss	VFD	PD Pump	50	480
Thickened Sludge Pump #6	Danfoss	VFD	PD Pump	50	480
Thickened WAS #1	Hoffman	VFD	Vertical Centrifugal Pump	30	480
Thickened WAS #2	Hoffman	VFD	Vertical Centrifugal Pump	30	480
Thickened WAS #3	Danfoss	VFD	Centrifugal Pump	30	480
Thickened WAS #4	Danfoss	VFD	Centrifugal Pump	30	480
Thickened WAS #5	Danfoss	VFD	Centrifugal Pump	30	480
Thickened WAS #6	Danfoss	VFD	Centrifugal Pump	30	480
Polymer Feed Pump #43	Robicon	VFD	Hose Pump	7.5	480
Polymer Feed Pump #44	Robicon	VFD	Hose Pump	7.5	480
Polymer Feed Pump #45	Danfoss	VFD	Hose Pump	7.5	480
Polymer Feed Pump #46	Robicon	VFD	Hose Pump	7.5	480
Polymer Feed Pump #47	Robicon	VFD	Hose Pump	7.5	480
EQ Pump #1	Robicon	VFD	Vertical Centrifugal Pump	200	480
EQ Pump #2	Robicon	VFD	Vertical Centrifugal Pump	200	480

**Gwinnett County Department of Water Resources
Variable Frequency Drive Data**

Drive Identification	Manufacturer	Type	Equipment Driven	HP	Voltage
EQ Pump #3	Robicon	VFD	Vertical Centrifugal Pump	350	480
EQ Pump #4	Robicon	VFD	Vertical Centrifugal Pump	350	480
Centrate Trans Pump #1	Danfoss	VFD	Rotary Lobe Pump	20	480
Centrate Trans Pump #2	Danfoss	VFD	Rotary Lobe Pump	20	480
Filtrate Pump #1	Danfoss	VFD	Rotary Lobe Pump	50	480
Filtrate Pump #2	Danfoss	VFD	Rotary Lobe Pump	50	480
Recycle Pump #1	Danfoss	VFD	Centrifugal Pump	15	480
Recycle Pump #2	Danfoss	VFD	Centrifugal Pump	15	480
Yellow River WRF					
Reuse Pump #1	Siemens	VFD	Vertical Turbine Pump	75	480
Reuse Pump #2	Siemens	VFD	Vertical Turbine Pump	75	480
Reuse Pump #3	Siemens	VFD	Vertical Turbine Pump	75	480
Lime Feed Pump #1	Benshaw	VFD	Hose Pump	4	480
Lime Feed Pump #2	Benshaw	VFD	Hose Pump	4	480
Lime Feed Pump #3	Benshaw	VFD	Hose Pump	4	480
TSPS Pump #1	Square D	VFD	Submersible Pump	110	480
TSPS Pump #2	Square D	VFD	Submersible Pump	110	480
IPS Influent Pump #1	Siemens	VFD	Submersible Pump	415	480
IPS Influent Pump #2	Siemens	VFD	Submersible Pump	415	480
IPS Influent Pump #3	Siemens	VFD	Submersible Pump	415	480
IPS Influent Pump #4	Siemens	VFD	Submersible Pump	415	480
MBR Back Pulse Pump #1	Siemens	VFD	Horizontal Centrifugal Pump	40	480
MBR Back Pulse Pump #2	Siemens	VFD	Horizontal Centrifugal Pump	40	480
MBR Permeate Pump #1	Siemens	VFD	Horizontal Centrifugal Pump	30	480
MBR Permeate Pump #2	Siemens	VFD	Horizontal Centrifugal Pump	30	480
MBR Permeate Pump #3	Siemens	VFD	Horizontal Centrifugal Pump	30	480
MBR Permeate Pump #4	Siemens	VFD	Horizontal Centrifugal Pump	30	480
MBR Permeate Pump #5	Siemens	VFD	Horizontal Centrifugal Pump	30	480
MBR Permeate Pump #6	Siemens	VFD	Horizontal Centrifugal Pump	30	480
MBR Permeate Pump #7	Siemens	VFD	Horizontal Centrifugal Pump	30	480
MBR Permeate Pump #8	Siemens	VFD	Horizontal Centrifugal Pump	30	480
MBR Permeate Pump #9	Siemens	VFD	Horizontal Centrifugal Pump	30	480
MBR Permeate Pump #10	Siemens	VFD	Horizontal Centrifugal Pump	30	480
MBR RAS Pump #1	Siemens	VFD	Vertical Centrifugal Pump	150	480
MBR RAS Pump #2	Siemens	VFD	Vertical Centrifugal Pump	150	480
MBR RAS Pump #3	Siemens	VFD	Vertical Centrifugal Pump	150	480
MBR RAS Pump #4	Siemens	VFD	Vertical Centrifugal Pump	150	480
MBR RAS Pump #5	Siemens	VFD	Vertical Centrifugal Pump	150	480
Odor Control Fan #1	Siemens	VFD	Blower	380	480
Odor Control Fan #2	Siemens	VFD	Blower	380	480
Odor Control Fan #3	Siemens	VFD	Blower	380	480
Odor Control Fan #4	Siemens	VFD	Blower	380	480
EQ Pump #1	Siemens	VFD	Submersible Pump	140	480
EQ Pump #2	Siemens	VFD	Submersible Pump	140	480
EQ Pump #3	Siemens	VFD	Submersible Pump	250	480
EQ Pump #4	Siemens	VFD	Submersible Pump	250	480
EQ Pump #5	Siemens	VFD	Submersible Pump	250	480
Primary Waste Sludge Pump #1	Siemens	VFD	Horizontal Centrifugal Pump	50	480
Primary Waste Sludge Pump #2	Siemens	VFD	Horizontal Centrifugal Pump	50	480
Lanier Filter Plant					
EQ Recycle Pump #1	Square D	VFD	Vertical Turbine Pump	100	480

**Gwinnett County Department of Water Resources
Variable Frequency Drive Data**

Drive Identification	Manufacturer	Type	Equipment Driven	HP	Voltage
EQ Recycle Pump #2	Square D	VFD	Vertical Turbine Pump	100	480
EQ Recycle Pump #3	Square D	VFD	Vertical Turbine Pump	100	480
EQ Recycle Pump #4	Square D	VFD	Vertical Turbine Pump	100	480
Backwash Pump #1	Square D	VFD	Vertical Turbine Pump	200	480
Backwash Pump #2	Square D	VFD	Vertical Turbine Pump	200	480
Backwash Pump #3	Square D	VFD	Vertical Turbine Pump	200	480
Central HS Pump #1	Robicon	VFD	Horizontal Split Case Pump	1500	4160
Central HS Pump #2	Robicon	VFD	Horizontal Split Case Pump	1500	4160
Central HS Pump #3	Robicon	VFD	Horizontal Split Case Pump	1500	4160
Central HS Pump #4	Robicon	VFD	Horizontal Split Case Pump	1500	4160
North HS Pump #1	Siemens	VFD	Horizontal Split Case Pump	1500	4160
North HS Pump #2	Siemens	VFD	Horizontal Split Case Pump	1500	4160
North HS Pump #3	Siemens	VFD	Horizontal Split Case Pump	1500	4160
Plant Water Pump #1	Square D	VFD	Horizontal Split Case Pump	50	480
Plant Water Pump #2	Square D	VFD	Horizontal Split Case Pump	50	480
Plant Water Pump #3	Square D	VFD	Horizontal Split Case Pump	50	480
Backwash EQ Pump #1	Snyder	VFD	Horizontal Split Case Pump	100	480
Backwash EQ Pump #2	Snyder	VFD	Horizontal Split Case Pump	100	480
Backwash EQ Pump #3	Snyder	VFD	Horizontal Split Case Pump	100	480
Backwash EQ Pump #4	Snyder	VFD	Horizontal Split Case Pump	100	480
Floc Mixer 1-1	Power Logic	VFD	Chemineer Mixer	5	480
Floc Mixer 1-2	Power Logic	VFD	Chemineer Mixer	5	480
Floc Mixer 1-3	Power Logic	VFD	Chemineer Mixer	5	480
Floc Mixer 2-1	Power Logic	VFD	Chemineer Mixer	5	480
Floc Mixer 2-2	Power Logic	VFD	Chemineer Mixer	5	480
Floc Mixer 2-3	Power Logic	VFD	Chemineer Mixer	5	480
Floc Mixer 3-1	Power Logic	VFD	Chemineer Mixer	5	480
Floc Mixer 3-2	Power Logic	VFD	Chemineer Mixer	5	480
Floc Mixer 3-3	Power Logic	VFD	Chemineer Mixer	5	480
Floc Mixer 4-1	Power Logic	VFD	Chemineer Mixer	5	480
Floc Mixer 4-2	Power Logic	VFD	Chemineer Mixer	5	480
Floc Mixer 4-3	Power Logic	VFD	Chemineer Mixer	5	480
Rapid Mixer 1-1	Currently Being Changed	VFD	Chemineer Mixer	15	480
Rapid Mixer 1-2		VFD	Chemineer Mixer	15	480
Rapid Mixer 2-1		VFD	Chemineer Mixer	15	480
Rapid Mixer 2-2		VFD	Chemineer Mixer	15	480
Rapid Mixer 3-1		VFD	Chemineer Mixer	15	480
Rapid Mixer 3-2		VFD	Chemineer Mixer	15	480
Rapid Mixer 4-1		VFD	Chemineer Mixer	15	480
Rapid Mixer 4-2		VFD	Chemineer Mixer	15	480
Shoal Creek Filter Plant					
Rapid Mixer 1B	Square D	VFD	Anco Mixer	40	480
Rapid Mixer 2B	Square D	VFD	Anco Mixer	40	480
Floc Mixer 1A	Square D	VFD	Anco Mixer	7.5	480
Floc Mixer 1B	Square D	VFD	Anco Mixer	7.5	480
Floc Mixer 1C	Square D	VFD	Anco Mixer	7.5	480
Floc Mixer 2A	Square D	VFD	Anco Mixer	7.5	480
Floc Mixer 2B	Square D	VFD	Anco Mixer	7.5	480
Floc Mixer 2C	Square D	VFD	Anco Mixer	7.5	480
Floc Mixer 3A	Square D	VFD	Anco Mixer	7.5	480
Floc Mixer 3B	Square D	VFD	Anco Mixer	7.5	480

**Gwinnett County Department of Water Resources
Variable Frequency Drive Data**

Drive Identification	Manufacturer	Type	Equipment Driven	HP	Voltage
Floc Mixer 3C	Square D	VFD	Anco Mixer	7.5	480
HS Filter to Waste Pump #1	Robicon	VFD	Horizontal Split Case Pump	25	480
HS Filter to Waste Pump #2	Robicon	VFD	Horizontal Split Case Pump	25	480
HS Filter to Waste Pump #3	Robicon	VFD	Horizontal Split Case Pump	75	480
HS Filter to Waste Pump #4	Robicon	VFD	Horizontal Split Case Pump	75	480
HS Plant Water Pump #1	Robicon	VFD	Horizontal Split Case Pump	125	480
HS Plant Water Pump #2	Robicon	VFD	Horizontal Split Case Pump	125	480
HS Plant Water Pump #3	Robicon	VFD	Horizontal Split Case Pump	125	480
HS Waste Backwash Pump #1	Robicon	VFD	Horizontal Split Case Pump	100	480
HS Waste Backwash Pump #2	Robicon	VFD	Horizontal Split Case Pump	100	480
HS Waste Backwash Pump #3	Robicon	VFD	Horizontal Split Case Pump	400	4160
HS Waste Backwash Pump #4	Robicon	VFD	Horizontal Split Case Pump	400	4160
Central HS Pump #1	Robicon	VFD	Horizontal Split Case Pump	3000	4160
Central HS Pump #2	Robicon	VFD	Horizontal Split Case Pump	3000	4160
Central HS Pump #3	Robicon	VFD	Horizontal Split Case Pump	3000	4160
LFP Transfer Pump #1	Robicon	VFD	Horizontal Split Case Pump	1500	4160
LFP Transfer Pump #2	Robicon	VFD	Horizontal Split Case Pump	1500	4160
Sludge Trans. Pump	Weg Motor	VFD	Trash Pump		480
Alcovy River and Booster PS					
Pump #1	Square D	Soft Starter	Submersible Pump	335	480
Pump #2	Square D	Soft Starter	Submersible Pump	335	480
Pump #3	Square D	Soft Starter	Submersible Pump	335	480
Booster Pump #1	Allen Bradley	VFD	Dry Pit Pump	700	4160
Booster Pump #2	Allen Bradley	VFD	Dry Pit Pump	700	4160
Booster Pump #3	Allen Bradley	VFD	Dry Pit Pump	700	4160
Booster Pump #4	Allen Bradley	VFD	Dry Pit Pump	700	4160
Brooks Road and Booster PS					
Pump #1A	Mototronics	Soft Starter	Submersible Pump	470	4160
Pump #1B	Mototronics	Soft Starter	Dry Pit Pump	470	4160
Pump #2A	Mototronics	Soft Starter	Submersible Pump	470	4160
Pump #2B	Mototronics	Soft Starter	Dry Pit Pump	470	4160
Booster Pump #1	Allen Bradley	VFD	Dry Pit Pump	700	4160
Booster Pump #2	Allen Bradley	VFD	Dry Pit Pump	700	4160
Booster Pump #3	Allen Bradley	VFD	Dry Pit Pump	700	4160
Beaver Ruin PS					
Pump #1A	Allen Bradley	VFD	Dry Pit Pump	700	4160
Pump #1B	Allen Bradley	VFD	Dry Pit Pump	700	4160
Pump #2A	Allen Bradley	VFD	Dry Pit Pump	700	4160
Pump #2B	Allen Bradley	VFD	Dry Pit Pump	700	4160
Pump #3A	Allen Bradley	VFD	Dry Pit Pump	700	4160
Pump #3B	Allen Bradley	VFD	Dry Pit Pump	700	4160
Pump #4A	Allen Bradley	VFD	Dry Pit Pump	700	4160
Pump #4B	Allen Bradley	VFD	Dry Pit Pump	700	4160
North Chattahoochee PS					
Pump #1	Benshaw	Soft Starter	Submersible Pump	470	480
Pump #2	Benshaw	Soft Starter	Submersible Pump	470	480
Pump #3	Benshaw	Soft Starter	Submersible Pump	470	480
Pump #4	Benshaw	Soft Starter	Submersible Pump	470	480
Ivy Creek PS					
Pump #1		Soft Starter	Submersible Pump	470	480
Pump #2		Soft Starter	Submersible Pump	470	480

**Gwinnett County Department of Water Resources
Variable Frequency Drive Data**

Drive Identification	Manufacturer	Type	Equipment Driven	HP	Voltage
Pump #3		Soft Starter	Submersible Pump	470	480
Brookwood Corners PS					
Pump #1	Benshaw	VFD	Suction Lift Pump	15	230
Pump #2	Benshaw	VFD	Suction Lift Pump	15	230
Norris Lake PS					
Pump #1	Benshaw	Soft Starter	Submersible Pump	375	480
Pump #2	Benshaw	Soft Starter	Submersible Pump	375	480
Pump #3	Benshaw	Soft Starter	Submersible Pump	375	480
Suwanee Creek PS					
Pump #1A	Square D	VFD	Dry Pit Pump	300	480
Pump #1B	Square D	VFD	Dry Pit Pump	300	480
Pump #2A	Square D	VFD	Dry Pit Pump	300	480
Pump #2B	Square D	VFD	Dry Pit Pump	300	480
Pump #3A	Square D	VFD	Dry Pit Pump	300	480
Pump #3B	Square D	VFD	Dry Pit Pump	300	480
NBC Regional and Tunnel PS					
Regional Pump #1	Allen Bradley	VFD	Submersible Pump	250	480
Regional Pump #2	Allen Bradley	VFD	Submersible Pump	250	480
Regional Pump #3	Allen Bradley	VFD	Submersible Pump	250	480
Regional Pump #4	Allen Bradley	VFD	Submersible Pump	250	480
Tunnel Pump #1		Soft Starter	Submersible Pump	335	480
Tunnel Pump #2		Soft Starter	Submersible Pump	335	480
Wolf Creek PS					
Pump #1		Soft Starter	Submersible Pump	100	480
Pump #2		Soft Starter	Submersible Pump	100	480
Pump #3		Soft Starter	Submersible Pump	100	480
Pump #4		Soft Starter	Submersible Pump	100	480
Wet Well Supply Fan		VFD	Supply Fan	3	480
Odor Control Fan		VFD	Exhaust Fan	10	480
Lower Big Haynes Creek PS					
Pump #301	Square D	Soft Starter	Submersible Pump	385	480
Pump #302	Square D	Soft Starter	Dry Pit Pump	385	480
Pump #303	Square D	Soft Starter	Submersible Pump	385	480
Pump #304	Square D	Soft Starter	Dry Pit Pump	385	480
Pump #305	Square D	Soft Starter	Submersible Pump	385	480
Pump #306	Square D	Soft Starter	Dry Pit Pump	385	480
Pump #307	Square D	Soft Starter	Submersible Pump	335	480
Pump #308	Square D	Soft Starter	Submersible Pump	335	480
Pump #309	Square D	Soft Starter	Submersible Pump	335	480
Level Creek PS					
Pump #201A	Square D	VFD	Submersible Pump	470	480
Pump #201B	Square D	VFD	Dry Pit Pump	470	480
Pump #202A	Square D	VFD	Submersible Pump	470	480
Pump #202B	Square D	VFD	Dry Pit Pump	470	480
Northfork Peachtree Creek PS					
Pump #1	Benshaw	Soft Starter	Submersible Pump	250	480
Pump #2	Benshaw	Soft Starter	Submersible Pump	250	480
Pump #3	Benshaw	Soft Starter	Submersible Pump	250	480
Pump #4	Benshaw	Soft Starter	Submersible Pump	250	480
Patterson PS					
Pump #1A		Soft Starter	Submersible Pump	385	480

**Gwinnett County Department of Water Resources
Variable Frequency Drive Data**

Drive Identification	Manufacturer	Type	Equipment Driven	HP	Voltage
Pump #1B		Soft Starter	Dry Pit Pump	385	480
Pump #2A		Soft Starter	Submersible Pump	385	480
Pump #2B		Soft Starter	Dry Pit Pump	385	480
Pump #3A		Soft Starter	Submersible Pump	385	480
Pump #3B		Soft Starter	Dry Pit Pump	385	480
Pump #4A		Soft Starter	Submersible Pump	385	480
Pump #4B		Soft Starter	Dry Pit Pump	385	480
Hampton Ridge PS					
Pump #1	Benshaw	VFD	Submersible Pump	10	230
Pump #2	Benshaw	VFD	Submersible Pump	10	230
Nesbitt Crossing PS					
Pump #1	Benshaw	VFD	Suction Lift Pump	7.5	230
Pump #2	Benshaw	VFD	Suction Lift Pump	7.5	230
Colins Hill Heights PS					
Pump #1	Benshaw	VFD	Suction Lift Pump	2	230
Pump #2	Benshaw	VFD	Suction Lift Pump	2	230
Rock Quarry Tank & Booster PS					
FWP 101	Eaton	VFD	Horizontal Split Case Pump	400	480
FWP 102	Eaton	VFD	Horizontal Split Case Pump	400	480
FWP 103	Eaton	VFD	Horizontal Split Case Pump	400	480
Grayson Tank & Booster PS					
Pump #1	Robicon	VFD	Horizontal Split Case Pump	1500	4160
Pump #2	Robicon	VFD	Horizontal Split Case Pump	1500	4160
Pump #3	Robicon	VFD	Horizontal Split Case Pump	1500	4160
Lanier Mountain Tank & Booster PS					
Pump #1	Schneider Altistart	Soft Starter	Horizontal Split Case Pump	200	480
Pump #2	Schneider Altistart	Soft Starter	Horizontal Split Case Pump	200	480
Pump #3	Schneider Altistart	Soft Starter	Horizontal Split Case Pump	200	480
Pump #4	Schneider Altistart	Soft Starter	Horizontal Split Case Pump	200	480
Norcross Tank & Booster PS					
Pump #1	Schneider Altistart	Soft Starter	Horizontal Split Case Pump	200	480
Pump #2	Schneider Altistart	Soft Starter	Horizontal Split Case Pump	200	480
Pump #3	Schneider Altistart	Soft Starter	Horizontal Split Case Pump	200	480
Pump #4	Schneider Altistart	Soft Starter	Horizontal Split Case Pump	200	480
Rockbridge Tank & Booster PS					
Pump #1	Schneider Altistart	Soft Starter	Horizontal Split Case Pump	200	480
Pump #2	Schneider Altistart	Soft Starter	Horizontal Split Case Pump	200	480
Pump #3	Schneider Altistart	Soft Starter	Horizontal Split Case Pump	200	480
Pump #4	Schneider Altistart	Soft Starter	Horizontal Split Case Pump	200	480
Shoal Creek Raw Water PS					
Pump LFP-210	Square D	Soft Starter	Vertical Turbine Pump	2500	4160
Pump LFP-220	Square D	Soft Starter	Vertical Turbine Pump	2500	4160
Pump LFP-230	Square D	Soft Starter	Vertical Turbine Pump	2500	4160
Pump LFP-240	Square D	Soft Starter	Vertical Turbine Pump	2500	4160
Pump SCFP-210	Square D	Soft Starter	Vertical Turbine Pump	700	4160
Pump SCFP-220	Square D	Soft Starter	Vertical Turbine Pump	700	4160
Pump SCFP-230	Square D	Soft Starter	Vertical Turbine Pump	700	4160
Pump SCFP-240	Square D	Soft Starter	Vertical Turbine Pump	700	4160
Lanier Raw Water PS					
RW Pump #1	Square D	Soft Starter	Vertical Turbine Pump	1750	4160
RW Pump #2	Square D	Soft Starter	Vertical Turbine Pump	1750	4160

**Gwinnett County Department of Water Resources
Variable Frequency Drive Data**

Drive Identification	Manufacturer	Type	Equipment Driven	HP	Voltage
RW Pump #3	Square D	Soft Starter	Vertical Turbine Pump	1750	4160
RW Pump #4	Square D	Soft Starter	Vertical Turbine Pump	1750	4160