

Issue Date: January 20, 2017

INVITATION FOR BIDS #Y17-136-TA

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of Orange County, Florida, henceforth referred to as the County is accepting sealed bids for:

**Electric Motor and Pump Repair Services for Water and Wastewater Divisions
TERM CONTRACT**

Sealed bid offers in an **original** and **three (3) copies** for furnishing the above will be accepted up to **February 16, 2017, at 2:00 P.M., E.S.T.**, in the Procurement Division, Internal Operations Centre II, 400 E. South Street, 2nd Floor, Orlando, FL 32801.

Copies of the bid documents may be obtained from the Orange County Procurement Division at the above address. Copies may be requested by phoning (407) 836-5635 or by download from the Internet at:

<http://apps.ocfl.net/orangebids/bidopen.asp>

A **Non-Mandatory Pre-Bid Conference** will be held on **Friday, January 27, 2017, beginning at 1:00 P.M.** The **Pre-Bid Conference** will be held at **Orange County Southern Regional Water Supply Facility, 13000 S. Orange Ave, Orlando, FL 32824-6031.** Attendance is not mandatory but is encouraged.

Carrie Woodell, MPA, CFCM, CPPO, C.P.M.
Manager, Procurement Division

NOTICE TO BIDDERS

To ensure that your bid is responsive, you are urged to request clarification or guidance on any issues involving this solicitation before submission of your response. Your point-of-contact for this solicitation is Tracy Attenasio, Senior Purchasing Agent at Tracy.Attenasio@ocfl.net.

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GENERAL TERMS AND CONDITIONS

1. GENERAL INFORMATION

These specifications constitute the complete set of requirements and bid forms. The bid response page(s), and all forms listed on the bid response page(s) shall be completed, signed, and sealed in an envelope bearing the bid number on the outside and mailed or presented to the Procurement Division on or before the specified time and date. **Failure to comply with the preceding requirements shall result in the rejection of the bid.**

Bids submitted by e-mail, telephone or fax shall not be accepted. An e-mailed or a faxed bid shall be rejected as non-responsive regardless of where it is received.

It is the sole responsibility of the Bidder to ensure that their bid reaches the Procurement Division. All bids, unless otherwise specified, must be delivered to the following address no later than the time and date specified in the solicitation:

Procurement Division
Internal Operations Centre II
400 E. South Street, 2nd Floor
Orlando, FL 32801

Bidders are cautioned that they are responsible for delivery to the specific location cited above. Therefore, if your bid is delivered by an express mail carrier or by any other means, it is your responsibility to ensure delivery to the above address. This office will not be responsible for deliveries made to any place other than the specified address.

The County shall not be responsible for delays caused by any occurrence. The time/date stamp clock located in the Procurement Division shall serve as the official authority to determine lateness of any bid. The bid time shall be scrupulously observed. Under no circumstances shall bids delivered after the time specified be considered. Late bids will be returned to the Bidder unopened. The decision to refuse to consider a bid that was received beyond the date/time established in the solicitation shall not be the basis for a protest pursuant to the Orange County Code (Procurement Ordinance).

All bids must be typewritten or filled in with pen and ink, and must be signed in ink by an officer or employee having authority to bind the company or firm. Errors, corrections, or changes on any document must be initialed by the signatory of the bid.

Bidders shall not be allowed to modify their bids after the opening time and date. Bid files may be examined during normal working hours, thirty (30) days after bid opening or upon recommendation for award, whichever occurs first. Bidders desiring to view these documents are urged to schedule an appointment.

For information concerning this bid, please contact the Procurement Division at the address listed above or by calling 407-836-5635. Please specify the bid number for which you are inquiring.

2. QUESTIONS REGARDING THIS SOLICITATION

All questions or concerns regarding this Invitation for Bids shall be submitted by email to Tracy.Attenasio@ocfl.net, no later than 5:00 PM Friday, February 3, 2017 to the attention of Tracy Attenasio, Procurement Division, referencing the IFB number. When required the Procurement Division shall issue an addendum to the Invitation for Bids. The addendum shall be available on the Internet for access by potential Bidders. Bidders are instructed not to contact the initiating division directly. No oral interpretation of this Invitation for Bids shall be considered binding. The County shall be bound by information and statements only when such statements are written and executed under the authority of the Manager, Procurement Division.

This provision exists solely for the convenience and administrative efficiency of Orange County. No Bidder or other third party gains any rights by virtue of this provision or the application thereof, nor shall any Bidder or third party have any standing to sue or cause of action arising there from.

3. FEDERAL AND STATE TAX

The County is exempt from Federal and State Sales and Use Taxes for tangible personal property (Certificate of Registry for tax transactions under Chapter 32, Internal Revenue Code and Florida Sales/Use Tax Exemption Certificate). The Manager, Procurement Division will sign an exemption certificate submitted by the Contractor.

Contractors doing business with the County shall not be exempted from paying sales tax to their suppliers for materials to fulfill contractual obligations with the County, nor shall any Contractor be authorized to use the County's Tax Exemption Number in securing such materials.

4. ACCEPTANCE/REJECTION/CANCELLATION

The County reserves the right to accept or to reject any or all bids and to make the award to that bidder who, in the opinion of the County, will be in the best interest of and/or the most advantageous to the County. The County also reserves the right to reject the bid of any bidder who has previously failed in the proper performance of an award or to deliver on time contracts of a similar nature or who, in the County's opinion, is not in a position to perform properly under this award. The County reserves the right to inspect all facilities of bidders in order to make a determination as to the foregoing. The County reserves the right to waive any irregularities and technicalities and may, at its discretion, request a re-bid. Award will be made to the lowest responsive and responsible bidder as determined by the County.

The County reserves the right, and the Manager, Procurement Division has absolute and sole discretion, to cancel a solicitation at any time prior to approval of the award by the Board of County Commissioners when such approval is required. The decision to cancel a solicitation cannot be the basis for a protest pursuant to the Orange County Code.

5. **NO BID**

Where more than one item is listed, any items not bid upon shall be indicated as "NO BID".

6. **CONFLICT OF INTEREST**

The award is subject to provisions of applicable State Statutes and County Ordinances. All bidders must disclose with their bid the name of any officer, director, or agent who is also an employee of Orange County. Further, all bidders must disclose the name of any County employee who owns, directly or indirectly, an interest of ten percent (10%) or more in the Bidder's firm or any of its branches. Should the Contractor permanently or temporarily hire any County employee who is, or has been, directly involved with the Contractor prior to or during performance of the resulting contract, the contract shall be subject to immediate termination by the County.

7. **LEGAL REQUIREMENTS**

All applicable Federal and State laws and County ordinances that in any manner affect the items covered herein apply. Lack of knowledge by the Bidder shall in no way be a cause for relief from responsibility.

- A. Contractors doing business with the County are prohibited from discriminating against any employees, applicant, or client because of race, religion, color, disability, national origin, gender, or age with regard to but not limited to the following: employment practices, rates of pay or other compensation methods, and training selection.
- B. Businesses wishing to participate in the County procurement process as an Orange County Certified M/WBE firm are required to complete a certification application to attain recognition as such. You may contact the Procurement Division or the Business Development Division for information and assistance.

8. **MISTAKES**

In the event of extension error(s), the unit price will prevail and the Bidder's total offer will be corrected accordingly. In the event of addition errors, the extended totals will prevail and the Bidder's total will be corrected accordingly.

Bidders must check their bid where applicable. Failure to do so will be at the Bidder's risk. Bids having erasures or corrections must be initialed in ink by the Bidder.

9. **AVAILABILITY OF FUNDS**

The obligations of the County under this award are subject to the availability of funds lawfully appropriated for its purpose by the State of Florida and the Orange County Board of County Commissioners, or other specified funding source for this procurement.

10. EEO STATEMENT

It is hereby declared that equal opportunity and nondiscrimination shall be the County's policy intended to assure equal opportunities to every person, regardless of race, religion, sex, sexual orientation and gender expression/identity, color, age, disability or national origin, in securing or holding employment in a field of work or labor for which the person is qualified, as provided by Section 17-314 of the Orange County Code and the County Administrative Regulations.

Further, the Contractor shall abide by the following provisions:

- A. The Contractor shall represent that the Contractor has adopted and maintains a policy of nondiscrimination as defined by applicable County ordinance throughout the term of this contract.
- B. The Contractor shall allow reasonable access to all business and employment records for the purpose of ascertaining compliance with the non-discrimination provision of the contract.

The provisions of the prime contract shall be incorporate by the Contractor into the contracts of any applicable subcontractors.

11. BID TABULATION AND RESULTS

Bid tabulations shall be available thirty (30) days after opening on the Orange County website at: <http://apps.ocfl.net/orangebids/bidresults/results.asp>, or upon notice of intended action, whichever is sooner.

12. BID FORMS

All bids must be submitted on the County's standard Bid Response Form. Bids on Bidder's quotation forms shall not be accepted.

13. RECIPROCAL PREFERENCE

In the event the lowest responsive and responsible bid submitted in response to any Invitation for Bids is by a bidder whose principal place of business is in a county other than Orange County, and such county grants a bid preference for purchases to a bidder whose principal place of business is in such county, then Orange County may award a preference to the (next) lowest responsive and responsible bidder having a principal place of business within Orange County, Florida. Such preference will be equal to the preference granted by the county in which the lowest responsive and responsible bidder has its principal place of business **except as provided below.**

- 1. Effective July 1, 2015 the reciprocal local preference will not apply to construction services in which 50 percent or more of the cost will be paid from state-appropriated funds which have been appropriated at the time of the competitive solicitation.**
- 2. If the solicitation involves a federally funded project where the funding source requirements prohibit the use of state and/or local preferences, the reciprocal local preference will not be applied.**

14. **POSTING OF RECOMMENDED AWARD AND PROTESTS**

The recommended award will be posted for review by interested parties at the Procurement Division and at:

<http://apps.ocfl.net/OrangeBids/AwardsRec/default.asp> prior to submission through the appropriate approval process and will remain posted for a period of five (5) full business days.

- **Orange County Lobbyist Regulations General Information**
<http://www.orangecountyfl.net/OpenGovernment/LobbingAtOrangeCounty.aspx>

A lobbying blackout period shall commence upon issuance of the solicitation until the Board selects the Contractor. For procurements that do not require Board approval, the blackout period commences upon solicitation issuance and concludes upon contract award.

The Board of County Commissioners may void any contract where the County Mayor, one or more County Commissioners, or a County staff person has been lobbied in violation of the black-out period restrictions of Ordinance No. 2002-15.

- **Orange County Protest Procedures**
<http://www.orangecountyfl.net/VendorServices/VendorProtestProcedures.aspx>

Failure to file a protest with the Manager, Procurement Division by 5:00 PM on the fifth full business day after posting, shall constitute a waiver of bid protest proceedings.

15. **BID AND RELATED COSTS**

By submission of a bid, the Bidder agrees that any and all costs associated with the preparation of the bid will be the sole responsibility of the Bidder. The Bidder also agrees that the County shall bear no responsibility for any costs associated with the preparation of the bid including but not limited to any administrative or judicial proceedings resulting from the solicitation process.

16. **CONTRACTUAL AGREEMENT**

This Invitation for Bids shall be included and incorporated in the final contract or purchase order. The order of contract precedence will be the contract (purchase order), bid document, and response. Any and all legal actions associated with this Invitation for Bids and/or the resultant contract (purchase order) shall be governed by the laws of the State of Florida. Venue for any litigation involving this contract shall be the Ninth Circuit Court in and for Orange County, Florida.

17. **PUBLIC ENTITY CRIME**

Section 287.133(3)(d), Florida Statutes, provides that the Florida Department of Management Services shall maintain a list of the names and addresses of those who have been disqualified from participating in the public contracting process under this section.

http://www.dms.myflorida.com/business_operations/state_purchasing/vendor_information/convicted_suspended_discriminatory_complaints_vendor_lists/convicted_vendor_list

A person or affiliate who has been placed on The Convicted Vendor list following a conviction for a public entity crime shall not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, shall not submit bids on leases of real property to a public entity, shall not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with a public entity, and shall not transact business with any public entity in excess of the threshold amount provided in Florida Statute Section 287.017, for CATEGORY TWO for a period of thirty-six (36) months from the date of being placed on The Convicted Vendor List.

18. DRUG-FREE WORKPLACE FORM

The Drug-Free Workplace Form is attached and shall be completed and submitted with your bid.

19. SUBCONTRACTING

Bidders subcontracting any portion of the work shall state name and address of subcontractor and the name of the person to be contacted on the attached "Schedule of Subcontractors Form".

20. CONFLICT OF INTEREST FORM

Bidder shall complete the Conflict of Interest Form attached hereto and submit it with their bid.

21. ETHICS COMPLIANCE

The following forms are included in this solicitation and shall be completed and submitted as indicated below:

- A. **Orange County Specific Project Expenditure Report** -The purpose of this form is to document any expenses incurred by a lobbyist for the purposes described in **Section 2-351, Orange County Code**. This form shall be completed and submitted with all bid responses to an Orange County solicitation. Any questions concerning this form shall be addressed to the purchasing agent identified in the applicable solicitation.
- B. **Relationship Disclosure Form** – The purpose of this form is to document any relationships between a bidder to an Orange County solicitation and the Mayor or any other member of the Orange County Board of County Commissioners. This form shall be completed and submitted with the applicable bid to an Orange County solicitation.

No contract award shall be made unless these forms have been completed and submitted with the bid. Any questions concerning these forms shall be addressed to the purchasing agent identified in this solicitation. Also, a listing of the most frequently asked questions concerning these forms is attached to each for your information.

22. SUBMISSION OF BID

The bid must be mailed or hand delivered in a sealed envelope to:

ORANGE COUNTY PROCUREMENT DIVISION
Internal Operations Centre II
400 E. South Street, 2nd Floor
Orlando, Florida 32801

Bidders must indicate on the sealed envelope the following:

- A. Invitation for Bids Number**
- B. Hour and Date of Opening**
- C. Name of Bidder**

Bids received after the time, date, and/or at the location specified, due to failure to identify the envelope with the above information shall be rejected.

23. COPIES

Copies of documents, records, materials, and/or reproductions requests will be charged in accordance with Orange County's fee schedule. Copyrighted materials may be inspected, but cannot be copied or reproduced per Federal law.

24. PROPRIETARY/RESTRICTIVE SCOPE OF WORK/SERVICES

If a prospective bidder considers the scope of work/services contained herein to be proprietary or restrictive in nature, thus potentially resulting in reduced competition, they are urged to contact the Procurement Division prior to bid opening. Specifications which are unrelated to performance will be considered for deletion via addendum to this Invitation for Bids.

25. ASSISTANCE WITH SCOPE OF WORK/SERVICES

Any prospective bidder who assisted the County in developing or writing the scope of work/services contained herein are requested to so note such on the bid response page.

26. PAYMENT TERMS/DISCOUNTS

The County's payment terms are in accordance with Florida Statute 218, Local Government Prompt Payment Act. Cash discounts for prompt payment shall not be considered in determining the lowest net cost for bid evaluation purposes.

27. PATENTS AND ROYALTIES

Unless otherwise provided, the Contractor shall be solely responsible for obtaining the right to use any patented or copyrighted materials in the performance of the contract resulting from this Invitation for Bids.

The Contractor, without exception, shall indemnify and save harmless the County and its employees from liability of any nature or kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or supplied by the Contractor. In the

event of any claim against the County of copyright or patent infringement, the County shall promptly provide written notification to the Contractor. If such a claim is made, the Contractor shall use its best efforts to promptly purchase for the County any infringing products or services or procure a license, at no cost to the County, which will allow continued use of the service or product.

If none of the alternatives are reasonably available, the County agrees to return the article on request to the Contractor and receive reimbursement, if any, as may be determined by a court of competent jurisdiction.

28. INDEMNIFICATION

To the fullest extent permitted by law, the Contractor shall defend, indemnify, and hold harmless the County, its officials, agents, and employees from and against any and all claims, suits, judgments, demands, liabilities, damages, cost and expenses including attorney's fees of any kind or nature whatsoever arising directly or indirectly out of or caused in whole or in part by any act or omission of the Contractor or its subcontractors, anyone directly or indirectly employed by them, or anyone for whose acts any of them may be liable; excepting those acts or omissions arising out of the sole negligence of the County.

29. CLARIFICATIONS

It is the Bidder's responsibility to become familiar with and fully informed regarding the terms, conditions and specifications of this Invitation for Bids. Lack of understanding and/or misinterpretation of any portions of this Invitation for Bids shall not be cause for withdrawal of your bid after opening or for subsequent protest of award. Bidder's must contact the Procurement Division, at the phone number on the bid cover sheet **prior** to bid opening, should clarification be required.

Modification or alteration of the documents contained in the solicitation or contract shall only be valid if mutually agreed to in writing by the Bidder and the County.

30. CERTIFICATION OF INDEPENDENT PRICE DETERMINATION

By submission of this bid, the Bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, that in connection with this procurement:

- A. The prices in this bid have been arrived at independently, without consultation, collusion, communication, or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
- B. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to opening, directly or indirectly to any other Bidder or to any competitor; and,

- C. No attempt has been made or shall be made by the Bidder to induce any other person or bidder to submit or not to submit a bid for the purpose of restricting competition.

31. SUCCESSORS AND ASSIGNS

The County and the Contractor each binds itself and its partners, successors, executors, administrators, and assigns to the other party of this Contract and to the partners, successors, executors, administrators, and assigns of such other party, in respect to all covenants of this Contract. Except as above, neither the County nor the Contractor shall assign, sublet, convey or transfer its interest in this Contract without the written consent of the other. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of the County which may be a party hereto, nor shall it be construed as giving any rights or benefits hereunder to anyone other than the County and the Contractor.

32. PRICING/AUDIT

The Contractor shall establish and maintain a reasonable accounting system, which enables ready identification of Contractor's cost of goods and use of funds. Such accounting system shall also include adequate records and documents to justify all prices for all items invoiced as well as all charges, expenses and costs incurred in providing the services for at least five (5) years after completion of this contract. The County or its designee shall have access to such books, records, subcontract(s), financial operations, and documents of the Contractor or its subcontractors, as required to comply with this section for the purpose of inspection or audit anytime during normal business hours at the Contractor's place of business. This right to audit shall include the Contractor's subcontractors used to procure services under the contract with the County. Contractor shall ensure the County has these same rights with subcontractors and suppliers.

33. EMPLOYEES OF THE CONTRACTOR

All work under this contract shall be performed in a professional and skillful manner. The County may require, in writing, that the Contractor, remove from this contract any employee the County deems incompetent, careless, or otherwise objectionable.

34. TOBACCO FREE CAMPUS

All Orange County operations under the Board of County Commissioners shall be tobacco free. This policy shall apply to parking lots, parks, break areas and worksites. It is also applicable to Contractors and their personnel during contract performance on County owned property. Tobacco is defined as tobacco products including, but not limited to, cigars, cigarettes, e-cigarettes, pipes, chewing tobacco and snuff. Failure to abide by this policy may result in civil penalties levied under Chapter 386, Florida Statutes and/or contract enforcement remedies.

35. CONTRACT CLAIMS

“Claim” as used in this provision means a written demand or written assertion by one of the contracting parties seeking as a matter of right, the payment of a certain sum of money, the adjustment or interpretation of contract terms, or other relief arising under or relating to this contract.

Claims made by a Contractor against the County, relating to a particular contract shall be submitted to the Manager, Procurement Division in writing clearly labeled “Contract Claim” requesting a final decision. The Contractor also shall provide with the claim a certification as follows: “I certify that the claim is made in good faith; that the supporting data are accurate and complete to the best of my knowledge and belief; that the amount requested accurately reflects the contract adjustment for which the Contractor believes the County is liable; and that I am duly authorized to certify the claim on behalf of the Contractor.”

Failure to document a claim in this manner shall render the claim null and void. No claim shall be accepted after final payment of the contract.

The decision of the Manager, Procurement Division shall be issued in writing and furnished to the Contractor. The decision shall state the reasons for the decision reached. The Manager, Procurement Division shall render the final decision within sixty (60) days after receipt of Contractor’s written request for a final decision. The Manager, Procurement Division decision shall be final and conclusive.

The Contractor shall proceed diligently with performance of this contract pending final resolution of any request for relief, claim, appeal or action arising under the contract and shall comply with any final decision rendered by the Manager, Procurement Division.

36. VERIFICATION OF EMPLOYMENT STATUS

Prior to the employment of any person under this contract, the Contractor shall utilize the U.S. Department of Homeland Security’s E-Verify system to verify the employment eligibility of all new employees hired by the Contractor during the contract term, and an express requirement that Contractors include in such subcontracts the requirement that subcontractors performing work or providing services pursuant to the state contract utilize the E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term. For more information on this process, please refer to United States Citizenship and Immigration Service site at:
<http://www.uscis.gov/portal/site/uscis>.

Only those employees determined eligible to work within the United States shall be employed under this contract.

By submission of a bid in response to this solicitation, the Contractor affirms that all employees in the above categories shall undergo e-verification before placement on this contract. The Contractor shall commit to comply with this requirement by completing the E-Verification certification, attached to this solicitation.

37. CONFIDENTIAL INFORMATION

In accordance with Chapter 119 of the Florida Statutes (Public Records Law), and except as may be provided by other applicable State or Federal Law, all proposers should be aware that Invitation for Bids and the responses thereto are in the public domain. Bidders must identify specifically any information contained in their response which they consider confidential and/or proprietary and which they believe to be exempt from disclosure, **citing specifically the applicable exempting law**. If a Bidder fails to cite the applicable exempting law, we will treat the information as public.

38. FEDERAL REQUIREMENTS

In the event this Contract is paid in whole or in part from any federal government agency or source, the specific terms, regulations and requirements governing the disbursement of these funds shall be specified herein and become a part of this clause.

All Contracts in excess of one hundred thousand dollars (\$100,000) shall comply with all the requirements of Section 114 of the Clean Air Act (42 USC 7401 et seq.) as amended and Section 308 of the Federal Water Pollution Control Act (33 USC 1251 et seq.) as amended.

39. PUBLIC RECORDS COMPLIANCE

Orange County is a public agency subject to Chapter 119, Florida Statutes. The Contractor agrees to comply with Florida's Public Records Law. Specifically, the Contractor shall:

1. Keep and maintain public records required by Orange County to perform the service.
2. Upon request from Orange County's custodian of public records, provide Orange County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in this chapter or as otherwise provided by law.
3. Ensure that public records that are exempt or confidential and exempt from the public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to Orange County.
4. Upon completion of the contract, Contractor agrees to transfer at no cost to Orange County all public records in possession of the Contractor or keep and maintain public records required by Orange County to perform the service. If the Contractor transfers all public record to Orange County upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon

completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to Orange County, upon request from Orange County's custodian of public records, in a format that is compatible with the information technology systems of Orange County.

5. A Contractor who fails to provide the public records to Orange County within a reasonable time may be subject to penalties under section 119.10, Florida Statutes.

6. IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT :

**Procurement Public Records Liaison
400 E. South Street, 2nd Floor, Orlando, FL 32801
ProcurementRecords@ocfl.net, 407-836-5897**

SPECIAL TERMS AND CONDITIONS

1. PRE-BID CONFERENCE

A **Non-Mandatory Pre-Bid Conference** will be held on **Friday, January 27, 2017, beginning at 1:00 P.M.** The **Pre-Bid Conference will be held at Orange County Southern Regional Water Supply Facility, 13000 S. Orange Ave, Orlando, FL 32824-6031.** Attendance is not mandatory but is encouraged.

At that time, the County's representative will be available to answer questions relative to this Invitation for Bids. Any suggested modifications may be presented in writing to, or discussed with, the County's representative(s) at this meeting and may be considered by said representative(s) as possible amendments to the Invitation for Bids.

2. QUALIFICATION OF BIDDERS

This bid shall be awarded to a responsible, responsive bidder, qualified by experience to provide the work specified. Each Bidder shall submit the following information with the bid regardless of bidding on Lot A and/or Lot B.

- A. Bidder shall submit documentation demonstrating that firm name identified on the bid response form has been in waterworks as well as motor and pump repairs for a minimum of five (5) years. Documentation may be in the form of Articles of Incorporation, past business tax receipts, and/or past copies of occupational licenses.

- B. Bidder shall have a minimum of three (3) satisfactory references for accounts similar in size and scope of work, completed within the last five (5) years. Using the attached reference sheets, Bidder shall provide the following information:
 - 1. Brief description of the size of account including estimated contract dollar and estimated number of pumps and/or motors serviced.
 - 2. Type of services provided including pump, motor, and gearbox reconditioning/rewinding services, diagnostic services, motor and pump related parts and repair services.
 - 3. The facility shop(s) location that serviced the account.
 - 4. Start/end dates of contract, names, addresses, email addresses, and telephone numbers of the owners within the last five (5) years by completing the attached reference sheets.

- C. Bidder shall detail the Name(s) and Address(es) of all repair(machine) shops that will service the County's account.

Bidder shall detail the contact information for the following services. Contact information shall include name(s), positions, phone number(s), and email address (es).

1. Scheduling of standard, non- emergency inspections and repair services.
 2. Scheduling of non -standard business hour inspections and repair services.
 3. Contact information for emergency services (3 hour response time)
 4. General billing/accounts payable questions.
- D. All repair (machine) shops used in the performance of this contract shall meet the all requirements specified in the Scope of Services. Bidder shall demonstrate that each facility indicated for use meets these requirements by completing the checklist as provided in Attachment C.
- E. List of personnel, by name and title, contemplated to perform the work including management, supervisors, and qualified technicians. Include a list of certifications, licenses, qualifications, and contact information for each staff member assigned to this contract. Contractor's list of personnel shall collectively meet the following minimum requirements.
1. Bidder shall have a minimum of one (1) on-site technician at the Contractor's shop who is factory trained for at least one (1) major pump and motor manufacturer including but not limited to Aurora, Crane Deming, Zoeller, Fairbanks Morse, Gorman Rupp, and Peerless. They shall have the skill, knowledge, proficiency, and other necessary qualifications to install, maintain, troubleshoot, inspect, disassemble, repair, rebuild, replace, and reassembly any of the Orange County pumps, motors, and right angle gear drives. Bidder shall submit a resume and copies of training certifications to demonstrate they satisfy the aforementioned requirement.
 2. Bidder shall have a minimum of one (1) designated technician who has a minimum of five (5) years' experience in motor and pump maintenance, inspections, repairs, and installation and/or startup of centrifugal, self-priming centrifugal, and multistage vertical turbine and split case horizontal cold water pumps in sizes up to at least 54 inches in diameter. They must have experience as a factory trained presentative for at least one (1) major pump manufacturer such as Aurora, Crane Deming, Zoeller, Fairbanks Morse, Gorman Rupp, and/or Peerless. The Contractor shall submit, in addition to a detailed resume, training documents to demonstrate the aforementioned.
 3. Bidder shall have a minimum of two (2) repair technicians with a minimum of five (5) years' experience in repair-recondition and repair-rewind of submersible pumps assigned to performed work as specified in this contract. Bidder shall submit detailed resumes and copies of training certificates to demonstrate the aforementioned requirement.

4. The Bidder's repair(machine) shop must employ a full time a machinist on call 24 hours a day, 7 days a week to do any emergency work. The machinist must have at least five (5) years' experience on lathes and milling machines. Bidder shall submit detailed resumes and copies of training certificates to demonstrate the aforementioned requirement.
- F. Bidder to providing a statement confirming adherence to the time requirements specified in the scope of services and detail the methods that will be in place to ensure reliability of the system(s) during emergencies. Detail delivery methods for all equipment and services, including emergency and non-emergency services.
- G. Provide a copy of bidder's quality assurance plan to assure that all applicable standards, regulations, laws and statutes are being adhered to during the life of the contract. Quality Control Plan shall include a minimum of maintain clean tanks, resin temperature, quarterly resin testing, vacuum pumps, and control panel. Detailed plan shall also detail the number and size of clients and/or projects currently under contract and how the Bidder will manage existing workload in addition to County's requirements.

Failure to submit the above requested information may be cause for rejection of your bid.

The determination on whether a bidder is responsible or not shall be at the sole discretion of the County. Although the County may request the submission of a minimum number of contracts similar to the requirements of this solicitation with certain minimum dimensions, quantities, dollar values, etc., the County's determination of a bidder's responsibility shall not be solely based on the number of similar procurements the bidder provides but the entirety of the bidder's qualifications.

Prior to recommendation of award, the County will perform a compliance inspection at the bidder(s)' and/ or subcontractor's site(s) to verify compliance to the requirements specified herein. The County will use the checklist provided in Attachment C to verify compliancy to the minimum requirements specified for the Bidder's repair (machine) shop and/or listed subcontractor's repair(machine) shop. During the inspection, if it is determined by the County, at its sole discretion, that the bidder's repair (machine) shop does not meet the minimum requirements as denoted in the Scope of Services, the Bidder shall be deemed non-responsible.

3. LICENSES AND PERMITS

- A. Bidders to be considered for contract award under this Invitation for Bids shall be either "registered" or "certified" by the State of Florida, Department of Professional Regulation and licensed by all other federal, state, county or municipal agencies which may have jurisdiction over the type of work to be performed under this solicitation.

- B. Required licenses shall be in the Bidder's name as it appears on the Bid Response Form. Bidder shall supply appropriate license numbers, with expiration dates, as part of their bid. Failure to maintain and provide proof of proper licensing, certification and registration may be grounds for rejection of the bid.
- C. Upon notification, the Bidder shall provide copies of all applicable licenses.

4. **AWARD (LOTS A AND B)**

FOR LOT A, Wastewater Division Pumps and Electric Motor Repair Services:

Award shall be made on all or none total estimated basis to the lowest responsive and responsible Contractor on a lot-by-lot basis. The County reserves the right to make multiple awards for Lot A at the County's sole discretion. In the event there is only one bid response, the County reserves the right to award to one bidder.

FOR LOT B Water Division Pumps and Electric Motor Repair Services:

Award shall be made on all or none total estimated basis to the lowest responsive and responsible Contractor on a lot-by-lot basis. In the event there is only one bid response, the County reserves the right to award to one bidder.

5. **POST AWARD MEETING**

Within **Ten** (10) business days after receipt of notification of award of bid, Contractor shall meet with the County's representative(s) to discuss job procedures and scheduling.

6. **PERFORMANCE**

Timely performance is of the essence in the award of this Invitation for Bids. Performance shall be in accordance with the issued delivery order. Bids which fail to meet this requirement shall be rejected.

It is hereby understood and mutually agreed to by and between parties hereto that the time of performance is an essential condition of this contract.

Should the Contractor neglect, fail or refuse to provide the services within the time herein specified, then said Contractor does hereby agree as part of the consideration for the awarding of this contract, to pay Orange County the sum extended by the County to contract for like services approved by the Procurement Division for the period from the required scheduled commencement date until performance of services covered in the Invitation for Bids is completed.

The Contractor shall, within **one (1)** calendar days from the beginning of such delay, notify the Manager, Procurement Division in writing of the cause(s) of the delay.

7. TERMINATION

A. Termination for Default:

The County may, by written notice to the Contractor terminate this contract for default in whole or in part (delivery orders, if applicable) if the Contractor fails to:

1. Provide goods or services that comply with the specifications herein or fails to meet the County's performance standards
2. Deliver the goods or to perform the services within the time specified in this contract or any extension.
3. Make progress so as to endanger performance of this contract
4. Perform any of the other provisions of this contract.

Prior to termination for default, the County shall provide adequate written notice to the Contractor through the Manager, Procurement Division, affording the opportunity to cure the deficiencies or to submit a specific plan to resolve the deficiencies within ten (10) calendar days (or the period specified in the notice) after receipt of the notice. Failure to adequately cure the deficiency shall result in termination action. Such termination may also result in suspension or debarment of the Contractor in accordance with the County's Procurement Ordinance. The Contractor and its sureties (if any) shall be liable for any damage to the County resulting from the Contractor's default of the contract. This liability includes any increased costs incurred by the County in completing contract performance.

In the event of termination by the County for any cause, the Contractor shall have, in no event, any claim against the County for lost profits or compensation for lost opportunities. After a receipt of a Termination Notice and except as otherwise directed by the County the Contractor shall:

1. Stop work on the date and to the extent specified.
2. Terminate and settle all orders and subcontracts relating to the performance of the terminated work
3. Transfer all work in process, completed work, and other materials related to the terminated work as directed by the County.
4. Continue and complete all parts of that work that have not been terminated.

If the Contractor's failure to perform the contract arises from causes beyond the control and without the fault or negligence of the Contractor the contract shall not be terminated for default. Examples of such causes include (1) acts of God or the public enemy, (2) acts of a government in its sovereign capacity, (3) fires, (4) floods, (5) epidemics, (6) strikes and (7) unusually severe weather.

B. Termination for Convenience:

The County, by written notice, may terminate this contract, in whole or in part, when it is in the County's interest. If this contract is terminated, the County shall be liable only for goods or services delivered and accepted. The County Notice of Termination shall provide the Contractor thirty (30) calendar days prior notice before it becomes effective. **A termination for convenience may apply to individual delivery orders, purchase orders or to the contract in its entirety.**

8. COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH

By submission of a bid in response to this solicitation, the Bidder certifies that all material, equipment, etc., contained in their bid meets all OSHA requirements. Bidder further certifies that if they are the awarded Contractor, and the material, equipment, etc., delivered is subsequently found to be deficient in any OSHA requirements in effect on date of delivery, all costs necessary to bring the material, equipment, etc., into compliance with the aforementioned requirements shall be borne by the Contractor.

9. CODES AND REGULATIONS

The Contractor shall strictly comply with all Federal, State and local codes and regulations.

10. PAYMENT

Partial payments for the value of services rendered and accepted may be requested by the submission of a properly executed invoice, with supporting documents if required. Payment shall be made in accordance with Florida Statute 218, Local Government Prompt Payment Act. Payment for accepted services shall be accomplished by submission of an invoice, in duplicate, to:

Orange County Utilities Division
Attention: Markay Murphy, Procurement Coordinator
8100 Presidents Drive
Orlando, Florida 32809
Phone (407) 836-6857

In the event additional County Departments or other public entities utilize this contract, invoices are to be sent directly to the Department or entity placing the order.

11. SAFETY AND PROTECTION OF PROPERTY

The Contractor shall at all times:

- A. Initiate, maintain and supervise all safety precautions and programs in connection with its services or performance of its operations under this contract.
- B. Take all reasonable precautions to prevent injury to employees, including County employees and all other persons affected by their operations.

- C. Take all reasonable precautions to prevent damage or loss to property of Orange County, or of other Contractors, consultants or agencies and shall be held responsible for replacing or repairing any such loss or damage.
- D. Comply with all ordinances, rules, regulations, standards and lawful orders from authority bearing on the safety of persons or property or their protection from damage, injury or loss. This includes but is not limited to:
- Occupational Safety and Health Act (OSHA)
 - National Institute for Occupational Safety & Health (NIOSH)
 - National Fire Protection Association (NFPA)
 - American Society of Heating, Refrigeration & Air-Conditioning Engineers (ASHRAE)
 - Underwriters Laboratory (UL)
 - American Society for Testing and Materials (ASTM)
 - National Electrical Motor Association (NEMA)
 - National Institute of Standards and Technology (NIST)
- E. The Contractor shall also comply with the guidelines set forth in the Orange County Safety & Health Manual. The manual can be accessed online at the address listed below:

<http://www.orangecountyfl.net/VendorServices/OrangeCountySafetyandHealthManual.aspx>

12. **INSURANCE REQUIREMENTS**

Vendor/Contractor agrees to maintain on a primary basis and at its sole expense, at all times throughout the duration of this contract the following types of insurance coverage with limits and on forms (including endorsements) as described herein. These requirements, as well as the County's review or acceptance of insurance maintained by Vendor/Contractor is not intended to and shall not in any manner limit or qualify the liabilities assumed by Vendor/Contractor under this contract. Vendor/Contractor is required to maintain any coverage required by federal and state workers' compensation or financial responsibility laws including but not limited to Chapter 324 and 440, Florida Statutes, as may be amended from time to time.

The Vendor/Contractor shall require and ensure that each of its sub-Vendors/sub-Contractors providing services hereunder (if any) procures and maintains until the completion of their respective services, insurance of the types and to the limits specified herein.

Insurance carriers providing coverage required herein must be licensed to conduct business in the State of Florida and must possess a current A.M. Best's Financial Strength Rating of A- Class VIII or better.

(Note: State licenses can be checked via www.floir.com/companysearch/ and A.M. Best Ratings are available at www.ambest.com)

Required Coverage:

- Commercial General Liability - The Vendor/Contractor shall maintain coverage issued on the most recent version of the ISO form as filed for use in Florida or its equivalent, with a limit of liability of not less than \$1,000,00 per occurrence. Vendor/Contractor further agrees coverage shall not contain any endorsement(s) excluding or limiting Product/Completed Operations, Contractual Liability, or Separation of Insureds. The General Aggregate limit shall either apply separately to this contract or shall be at least twice the required occurrence limit.

Required Endorsements:

- Additional Insured- CG 20 26 or CG 20 10/CG 20 37 or their equivalents.
Note: CG 20 10 must be accompanied by CG 20 37 to include products/completed operations
- Waiver of Transfer of Rights of Recovery- CG 24 04 or its equivalent.
Note: If blanket endorsements are being submitted please include the entire endorsement and the applicable policy number.
- Business Automobile Liability - The Vendor/Contractor shall maintain coverage for all owned; non-owned and hired vehicles issued on the most recent version of the ISO form as filed for use in Florida or its equivalent, with limits of not less than \$500,000 (five hundred thousand dollars) per accident. In the event the Vendor/Contractor does not own automobiles the Vendor/Contractor shall maintain coverage for hired and non-owned auto liability, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Business Auto Liability policy.
- Workers' Compensation - The Vendor/Contractor shall maintain coverage for its employees with statutory workers' compensation limits, and no less than \$100,000 each incident of bodily injury or disease for Employers' Liability. Elective exemptions as defined in Florida Statute 440 will be considered on a case-by-case basis. Any Vendor/Contractor using an employee leasing company shall complete the Leased Employee Affidavit.

Required Endorsements:

- Waiver of Subrogation- WC 00 03 13 or its equivalent

When a self-insured retention or deductible exceeds \$100,000 the COUNTY reserves the right to request a copy of Vendor/Contractor most recent annual report or audited financial statement. For policies written on a "Claims-Made" basis the Vendor/Contractor agrees to maintain a retroactive date prior to or equal to the effective date of this contract. In the event the policy is canceled, non-renewed, switched to occurrence form, or any other event which triggers the right to purchase a Supplemental Extended Reporting Period (SERP) during the life of this contract the Vendor/Contractor agrees to purchase the SERP with a minimum reporting period of not less than two years. Purchase of the SERP shall not relieve the Vendor/Contractor of the obligation to provide replacement coverage.

By entering into this contract Vendor/Contractor agrees to provide a waiver of subrogation or a waiver of transfer of rights of recovery, in favor of the County for the workers' compensation and general liability policies as required herein. When required by the insurer or should a policy condition not permit the Vendor/Contractor to enter into a pre-loss agreement to waive subrogation without an endorsement, then Vendor/Contractor agrees to notify the insurer and request the policy be endorsed with a Waiver of Subrogation or a Waiver of Transfer of Rights of Recovery Against Others endorsement.

Prior to execution and commencement of any operations/services provided under this contract the Vendor/Contractor shall provide the COUNTY with current certificates of insurance evidencing all required coverage. In addition to the certificate(s) of insurance the Vendor/Contractor shall also provide endorsements for each policy as specified above. All specific policy endorsements shall be in the name of the Orange County Board of County Commissioners.

For continuing service contracts renewal certificates shall be submitted immediately upon request by either the COUNTY or the COUNTY's contracted certificate compliance management firm. The certificates shall clearly indicate that the Vendor/Contractor has obtained insurance of the type, amount and classification as required for strict compliance with this insurance section. Vendor/Contractor shall notify the COUNTY not less than thirty (30) business days (ten business days for non-payment of premium) of any material change in or cancellation/non-renewal of insurance coverage. The Vendor/Contractor shall provide evidence of replacement coverage to maintain compliance with the aforementioned insurance requirements to the COUNTY or its certificate management representative five (5) business days prior to the effective date of the replacement policy (ies).

The certificate holder shall read:

Orange County Board of County Commissioners
c/o Procurement Division
400 E. South Street, 2nd Floor
Orlando, Florida 32801

13. CONTRACT TERM/RENEWAL

- A. The contract resulting from this Invitation for Bids shall commence effective upon issuance of a term contract by the County and extend for a period of one (1) year. The contract may be renewed for four (4) additional one (1) year periods, upon mutual agreement of both parties. If any such renewal results in changes in the terms and conditions, such changes shall be reduced to writing as an amendment to this contract and such amendment shall be executed by both parties.
- B. The initiating County department(s) shall issue delivery/purchase orders against the term contract on an "as needed" basis.

- C. If the quantity of a unit priced item in this contract is an estimated quantity and the actual quantities ordered are more than 50% above the estimated quantity, the County shall enter into negotiations with the Contractor for a lower unit price which shall be incorporated into the contract. Failure of the Contractor to agree to a reduced unit price may result in the termination of the contract and re-solicitation of the requirement.
- D. Any order issued during the effective period of this contract, but not completed within that period, shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and the County's rights and obligations with respect to that order to the extent as if the order were completed during the contract performance period.

14. PRICE ESCALATION/DE-ESCALATION (CPI)

The County may allow a price escalation provision within this award.

The original contract prices shall be firm for the entirety of the initial (1 year) contract period. A price escalation/de-escalation will be considered at the time of contract renewal and at 1-year intervals thereafter, provided the Contractor notifies the County, in writing, of the pending price escalation/de-escalation a minimum of sixty (60) days prior to the contract renewal date. Price adjustments shall be based on the latest version of the Consumers Price Index (CPI-U) for All Urban Consumers, All Items, U.S. City Average, non-seasonal, as published by the U.S. Department of Labor, Bureau of Labor Statistics. This information is available at www.bls.gov.

Price adjustment shall be calculated by applying the simple percentage model to the CPI data. This method is defined as subtracting the base period index value (at the time of initial award) from the index value at time of calculation (latest version of the CPI published as of the date of request for price adjustment), divided by the base period index value to identify percentage of change, then multiplying the percentage of change by 100 to identify the percentage change. Formula is as follows:

$$\text{Current Index} - \text{Base Index} / \text{Base Index} = \% \text{ of Change}$$

$$\% \text{ of Change} \times 100 = \text{Percentage Change}$$

CPI-U Calculation Example:

CPI for current period	232.945
Less CPI for base period	229.815
Equals index point change	3.130
Divided by base period CPI	229.815
Equals	0.0136
Result multiplied by 100	0.0136 x 100
Equals percent change	1.4%

A price increase may be requested only at each time interval specified above, using the methodology outlined in this section. To request a price increase, Contractor shall submit a letter stating the percentage amount of the requested increase and adjusted price to the Orange County Procurement Division. The letter shall include the complete calculation utilizing the formula above, and a copy of the CPI-U index table used in the calculation. The maximum allowable increase shall not exceed 4%, unless authorized by the Manager, Procurement Division. If approved, the price adjustment shall become effective on the contract renewal date. All price adjustments must be accepted by the Manager, Procurement Division and shall be memorialized by written amendment to this contract. No retroactive contract price adjustments will be allowed.

Should the CPI-U for All Urban Consumers, All Items, U.S City Average, as published by the U.S. Department of Labor, Bureau of Labor Statistics decrease during the term of the contract, or any renewals, the Contractor shall notify the Orange County Procurement Division of price decreases in the method outlined above. If approved, the price adjustment shall become effective on the contract renewal date. If the Contractor fails to pass the decrease on to the County, the County reserves the right to place the Contractor in default, cancel the award, and remove the Contractor from the County Vendor List for a period of time deemed suitable by the County. In the event of this occurrence, the County further reserves the right to utilize any options as stated herein.

15. MARKET CONDITIONS

The County reserves the right to purchase on the open market should lower market prices prevail, at which time the Contractor shall have the option of meeting the lower price or relieving the County of any obligation previously understood.

16. USE OF CONTRACT BY OTHER GOVERNMENT AGENCIES

At the option of the Contractor, the use of the contract resulting from this solicitation may be extended to other governmental agencies, including the State of Florida, its agencies, political subdivisions, counties, and cities.

Each governmental agency allowed by the Contractor to use this contract shall do so independent of any other governmental entity. Each agency shall be responsible for its own purchases and shall be liable only for goods or services ordered, received and accepted. No agency receives any liability by virtue of this bid and subsequent contract award.

17. BID PREFERENCE

In accordance with the Minority Women Owned Business Enterprise (MWBE) Ordinance, award of a contract resulting from this Invitation for Bids may be made to the lowest responsive and responsible Orange County certified MWBE bidder provided that the bid does not exceed the overall lowest responsive and responsible bidder by the following percentages for the bid amounts listed:

- A. 8% - Bids Up To \$100,000**
- B. 7% - Bids Greater Than \$100,000 to \$500,000**
- C. 6% - Bids Greater Than \$500,000 to \$750,000**

- D. 5% - Bids Greater Than \$750,000 to \$2,000,000
- E. 4% - Bids Greater Than \$2,000,000 to \$5,000,000
- F. 3% - Bids Greater Than \$5,000,000

In accordance with the Registered Service Disabled Veteran Business Ordinance, award of a contract resulting from this Invitation for Bids may be made to the lowest responsive and responsible registered prime Service Disabled Veteran bidder provided that the bid does not exceed the overall lowest responsive and responsible bidder by the following percentages for the bid amounts listed:

- A. 8% - Bids Up To \$100,000
- B. 7% - Bids Greater Than \$100,000 to \$500,000
- C. 6% - Bids Greater Than \$500,000 to \$750,000
- D. 5% - Bids Greater Than \$750,000 to \$2,000,000
- E. 4% - Bids Greater Than \$2,000,000 to \$5,000,000
- F. 3% - Bids Greater Than \$5,000,000

In the event of a tie between an M/WBE and a registered prime SDV with all else being equal, the award shall be made to the firm with the lowest business net worth.

18. METHOD OF ORDERING

The County shall issue Delivery Orders against the contract on an as needed basis for the goods or services listed on the Bid Response Form.

19. ATTACHMENTS

The following attachment(s) is/are attached to, and made a part of this Invitation for Bids:

- A. Attachment A, Wastewater Treatment Plant's Equipment List
- B. Attachment B, Water Treatment Plant's Equipment List
- C. Attachment C, Repair (Machine) Shop Compliance Checklist

20. CONDITIONS FOR EMERGENCY/HURRICANE OR DISASTER - TERM CONTRACTS

It is hereby made a part of this Invitation for Bids that before, during and after a public emergency, disaster, hurricane, flood, or other acts of God that Orange County shall require a "first priority" basis for goods and services. It is vital and imperative that the majority of citizens are protected from any emergency situation which threatens public health and safety, as determined by the County. Contractor agrees to rent/sell/lease all goods and services to the County or other governmental entities as opposed to a private citizen, on a first priority basis. The County expects to pay contractual prices for all goods or services required during an emergency situation. Contractor shall furnish a twenty-four (24) hour phone number in the event of such an emergency.

21. REFERENCES

A contact person shall be someone who has personal knowledge of the Bidder's performance for the specific requirement listed. Contact person shall have been informed that they are being used as a reference and that the County may be contacting them. More than one person can be listed but all shall have knowledge of the project. The reference shall be the owner or a representative of the owner. Contractors who provided services under the referenced project (contract) shall not be accepted as references. **DO NOT** list principals or officers who shall not be able to answer specific questions regarding the project. Failure of references listed to respond to the County's inquiries may negatively impact the responsibility of the Bidder.

22. REQUIREMENTS CONTRACT

This is a Requirements Contract and the County's intent is to order from the Contractor all of the goods or services specified in the contract's price schedule that are required to be purchased by the County. If the County urgently requires delivery of goods or services before the earliest date that delivery may be required under this contract, and if the contractor will not accept an order providing for accelerated delivery, the County may acquire the goods or services from another source.

The County's requirements in this contract are estimated and there is no commitment by the County to order any specified amount. If the estimated quantities are not achieved, this shall not be the basis for an equitable adjustment.

If the Manager, Procurement Division determines that the Contractor's performance is less than satisfactory, the County may order the goods or services from other sources until the deficient performance has been cured or the contract terminated.

SCOPE OF SERVICES

I. OVERVIEW

The Contractor shall provide electric motor and pump repairs and related services. These services include but shall not be limited to the following:

- On site and off site diagnostic services to motors, pumps, pump parts, gearboxes, or gearboxes parts
- On site and off site repairs and modifications to motors and pumps, pump parts, gearboxes, or gearbox parts
- Reconditioning and/or rewinding services for horizontal, vertical, induction, close coupled and synchronous motors
- Reconditioning and rewinding of submersible pump/motor combinations
- Repairs for explosion proof (EX) rate motors designed for use in hazardous areas,

Services shall include all transportation, equipment, materials, parts and labor necessary to satisfactorily complete the authorized repair and/or inspection.

Sites serviced under this contract include Orange County Utilities' Water Treatment Plants (WTP), Wastewater Treatment Plants (WWTP), Reclaimed Water Pump Stations and Sanitary Sewer Pump Stations (PS).

Please refer to Attachment A that details the types of electric motor, pumps, and related equipment currently in place for the Wastewater Treatment Plant, and Attachment B for the Water Treatment Plant.

The Contractor shall have the ability to supply and repair any of the variety of common manufacturers or type of equipment used by the County as listed in Attachment A and B.

The motor repair/recondition and pump services on the bid response form will be split into two (2) Lots; Lot A- Wastewater Treatment Plant and Lot B-Water Treatment Plant. Each lot will further be classified into the following eight (8) categories:

1. Group 1 – AC three(3) phase Low Voltage motors (600V and less), including close coupled pump units
2. Group 2- AC three(3) phase medium voltage motors (over 600V)
3. Group 3- AC three(3) phase Synchronous motors(Horizontal and Vertical)
4. Group 4- Pumps with flow capacity of 1000 gallons per minute or less
5. Group 5- Pumps with flow capacity range of 1001 G.P.M to 10,000 G.P.M.
6. Group 6- Pumps with flow capacity greater than 10,001 G.P.M
7. Group 7- Crane and Rigging Support Services and Expedited Hourly Labor Rates
8. Group 8- Material/Part Adjustment

II. REPAIR SHOP/FACILITY REQUIREMENTS

- A. The Contractor for the life of this contract shall provide a minimum of one(1) repair (machine) shop that meets the following minimum requirements, multiple sites may be used to satisfy these requirements, sub-contractors may be used to satisfy these requirements:
- a. The utilized repair (machine) shops shall be within one hundred and fifty (150) mile radius from 8100 Presidents Drive, Orlando, Florida 32809.
 - b. Repair (machine) shops shall be available twenty four (24) hours a day, seven (7) days a week, for emergency work.
 - c. Repair shop(s) shall have an area designated as storage area for safe storage of the submersible pumps under repair, submersible pump components, and the repaired submersible pumps awaiting shipment. This area shall be covered, weather protected and isolated from disassembly and inspection, sandblasting, steam cleaning, and similar sources of contaminants that could damage the components or the submersible pumps. The parts and submersible pumps shall be kept off the ground. The storage area shall be located at the shop.
 - d. Repair (machine) shop's disassembly and inspection area shall be covered; weather protected and isolated from storage and assembly areas.
 - e. Repair shop(s) assembly area shall be covered, weather protected, and isolated from disassembly and inspection area, sandblasting, and similar contaminants that could damage components or the submersible pumps.
 - f. Repair (machine) shop(s) shall have the necessary overhead canes and/or jib cranes to handle the submersible pumps equipped with lifting eyes, or similar factory lifting points throughout the repair process.
 - g. Repair (machine) shop(s) shall have a paint booth available that meets all applicable Federal, State, and Local regulations, ordinances, codes and standards.
 - h. Repair (machine) shop(s) shall a pressure washer and steam-cleaning machine available that meets all applicable Federal, State, and Local regulations, ordinances, codes and standards. The steam cleaning machine shall provide water at 200 degrees Fahrenheit and at 30 pounds per square inch (psi).
 - i. Repair (machine) shop(s) shall have a burnout oven available, which meet all applicable Federal, State, and Local regulations, ordinances, codes and standards. The furnace temperature shall be automatically controlled and have a chart recorder and the controller shall have the tag of the latest calibration. The controller shall indicate and control the furnace temperature by furnace air temperature.
 - j. Repair (machine) shop(s) shall have a baking oven available, which meets all applicable Federal, State, and local regulations, ordinances, and codes and standards. The furnace temperature shall be automatically controlled and have a chart recorder and the controller shall have the tag of the latest calibration. The controller shall indicate and control the furnace temperature by furnace air temperature.
 - k. Repair(machine) shop(s) shall have a varnish dip tank available, which meets all applicable Federal, State, and local regulations, ordinances, codes and standards.

- l. Repair (machine) shop(s) shall have a Vacuum Pressure Impregnation (VPI) system available, which meets all applicable Federal, State, and Local regulations, ordinances, codes, and standards.
 - m. Repair (machine) shop(s) shall have precision v-blocks to check the largest size (>600 HP) rotor assembly for roundness and runout. The checking shall be performed using dial indicators.
 - n. Repair (machine) shop(s) shall have balancing machine(s) available to perform balancing of the largest size (>600HP) rotor assembly. The machine shall have a printout of the values of “before” and “after” balancing.
 - o. Repair (machine)shop(s) shall have testing equipment and the set up to safely conduct all recommended final tests including a no load test run and the vibration test of the repair submersible pump, at the highest rated voltage and the rated frequency of the submersible pump.
 - p. Repair(machine) shop(s) shall have necessary testing equipment and the set up to safely do all recommended tests before and after recondition and rewind repair of the submersible pumps. The check and test equipment shall include at a minimum: meggers, loop or core loss tester, high-potential DC tester, surge-comparison tester, growler, infrared thermography camera and submersible pump test panel to the test the largest submersible pump in this contract.
 - q. Repair(machine) shop(s) shall have a coil manufacturing machine equipped with turn counter available. The coils shall be wound with minimum crossovers and have uniform cross-section coils.
 - r. Repair (machine) shop shall have a coil winding room available, isolated from disassembly and inspection, sandblasting, painting, and similar contaminated areas that could possibly shorten the light expectancy of a winding.
 - s. Repair (machine) shop(s) shall have adequate access for Orange County Utilities delivery vehicles to enter, load/unload, and exit safely without exposing the operator of the vehicle to danger such as backing in traffic lanes, crossing medians, etc.
 - t. Repair (machine) shop(s) shall be a smoke-free environment when the Orange County Utilities representative visits the facility to check the job progress and observe the test run.
- B. To verify compliance, The Contractor shall maintain on file with the County Attachment C, Repair (Machine) Shop Compliance Checklist.
- C. The Contractor shall notify the County Project Manager and/or authorized County representative immediately should any of the information submitted in Attachment C change during the life of this contract. Such changes may include not be limited to the following: change in Contractor’s repair shop/facility address, change in approved subcontractor’s repair shop/facility address, and/or a deletion and/or addition of new subcontractor to be used to support this contract. The Contractor shall provide an updated Attachment with updated information to the County Project Manager for review and approval.

Failure to maintain a minimum of one repair(machine) shop between the Contractor and/or the Contractor’s subcontractor that complies with the minimum requirements above, may result in contract default. The County reserves the right

to inspect Contractor's and/or subcontractor's repair shop during the life of this contract to ensure compliance to the minimum specifications specified in the minimum requirements.

III. PERSONNEL REQUIREMENTS

- A. The Contractor shall be responsible to provide adequate staff levels so that multiple pieces of equipment may be serviced at once. Contractor shall have staff currently employed that is trained and technically proficient that can provide the range of services covered under this contract.
- B. The Contractor shall have qualified staff to perform services 24 hours a day 7 days a week including County observed holidays.
- C. The Contractor's staff shall have a staff that collectively meets the following minimum requirements:
 - 1. The on-site technician shall be factory trained for one or more major pump and motor manufactures including but not limited to Aurora, Crane Deming, Zoeller, Fairbanks Morse, Gorman Rupp, and Peerless. They shall have the skill, knowledge, proficiency and other necessary qualifications to install, maintain, troubleshoot, inspect, disassemble, repair, rebuild, replace and reassemble any of the Orange County pumps, motors, and right angle gear drives.
 - 2. The Contractor's on-site designated technician must have a minimum of five (5) years' experience in the warranty repair, installation and/or startup of centrifugal, self-priming centrifugal and multistage vertical turbine and split case horizontal cold water pumps in sizes up to at least 54 inches in diameter. He/She must have experience as a factory trained representative for a major pump manufacturer such as Aurora, Crane Deming, Zoeller, Fairbanks Morse, Gorman Rupp, Peerless.
 - 3. The Contractor shall have at least two (2) repair technicians with a minimum of five (5) years' experience in repair-recondition and repair-rewind of submersible pumps assigned to performed work as specified in this contract.
 - 4. The shop must employ a full time a machinist on call 24 hours a day, 7 days a week to do any emergency work. The machinist must have at least five (5) years' experience on lathes and milling machines.

The Contractor shall maintain on-file with the County training documents and comprehensive resumes for these technicians.

- D. The Contractor shall provide all employees with necessary equipment, tools, testing devices, and materials to perform services proficiently at Contractor's expense, including personal protective equipment for this work under OSHA regulations.
- E. The Contractor and/or subcontractor's staff shall have appropriate identification when entering County facilities, including a name badge at minimum.

IV. OPERATION HOURS

The Contractor shall be able to perform all services under this contract for twenty four hours a day, seven days a week, including County observed Holidays.

The Contractor shall have a method to receive service requests, dispatch service, and communicate with County Project Manager and/or authorized representatives for both normal business hours and after business hours for work serviced under this contract.

Service requested will be via a phone call and/or email from the County Project Manager or designee. It shall be the Contractor's responsibility to ensure that communication is dispersed appropriately to staff to ensure there are no service breaks and response time requirements of this contract are adhered to.

Contractor's staff shall be available to perform all work (emergencies and non-emergencies) during the following hours:

- A. **Standard Business Hours:** shall be defined as being between the hours of 7:00 A.M. through 7:00 P.M., Monday through Friday.
- B. **After Business Hours:** shall be defined as being between the hours of 7:01 P.M. through 6:59 A.M., all weekends (all day Saturday and Sunday), including Observed Holidays.

All work performed during after Business Hours must be pre-approved by the County Project Manager or authorized designee and shall be identified in the service proposal/estimate.

V. TEARDOWN INSPECTION AND DIAGNOSTIC SERVICES

The Contractor shall have the ability to provide both tear down inspection and diagnostic services for equipment to be serviced under this contract.

Tear Down Inspection and diagnostic services may be performed either in the field (County property) or at Contractor's service center (shop), as mutually agreed upon by the County and Contractor.

Contractor shall have all, design, metalizing, welding, heat-treating, machining, balancing, calibrating, and testing capabilities necessary to fully inspect any County gearbox, pump and/or motors as requested by County Project Manager(s).

Contractor may assess an hourly rate to be applicable for field and shop teardown and diagnostic services, in accordance with the bid response form.

This charge may be assessed whether a repair is performed or not. If the County decides not to proceed with repairs, Contractor upon request by the County, shall either return the equipment to the County or dispose of equipment in compliance with all applicable regulations with no additional fee to the County.

VI. SERVICE PROPOSAL/ESTIMATE DEVELOPMENT

- A. For all services performed under this contract, a service proposal/estimate will need to be provided by the Contractor and approved by County Project Manager or designee. Preparation of service proposals shall be at no additional charge to the County. The service proposal shall include the following at a minimum:
1. Job Number/ Estimate Number
 2. Date of Estimate
 3. Detailed description of work to be performed; suggested correction methods
 4. The make, model, serial/asset number of the pump/ motor
 5. Equipment involved
 6. Cost of part/ materials required for repair
 7. Approximate labor hours required for completion of repair
 8. Truck Crane Service (if applicable)
 9. All work to be performed by approved subcontractor including description and type of work to be performed, number of labor hours, time, and materials.
 10. Estimated date and time of repair completion
 11. Inspection / Diagnostic reports (as applicable)
- B. If the initial proposal/estimate exceeds the County budget, Orange County Utilities shall reserve the right to revise the scope of work and have the Contractor submit a new quote.
- C. All service proposals shall be approved by the County Project Manager or designee prior to commencement of work.
- D. Any additional repairs or services not listed in the original proposal shall require Contractor to provide a revised service proposal to be approved by County Project Manager or designee prior to commencement of additional work. Copies of all service proposals/tickets shall accompany all submitted invoices.
- E. Contractor shall make all efforts to submit a service proposal/estimate to the County Project Manager and/or representative within five (5) days from date of equipment inspection by the Contractor. Service Proposal/Estimate may be delivered by email and/or facsimile to County Project Manager.

VII. RESPONSE TIME REQUIREMENTS FOR DIAGNOSTIC AND REPAIR SERVICES

A. Standard-Non Emergency and Repair Services Diagnostic

County Project Manager or authorized representative may notify Contractor of diagnostic request either via phone and/or email. Contractor shall acknowledge receipt of request and shall schedule the transportation and handling of County equipment to be delivered to Contractor's repair facility. Exact time and date of pickup and/or delivery of equipment shall be mutually agreed upon by the Contractor and County Project Manager.

B. Expedited Diagnostic and Repair Services

The County shall reserve the right to request any inspection and/or repair to be expedited due to urgency. The County may request either a 72 hour or 96 hour expedited time requirement for completion of services. The Contractor shall not perform and/or charge for expedited services without prior approval by the County project manager or authorized designee.

This expedited requirement will only apply to majority of motor repair categories.

For expedited services that are actually completed and performed within the 72 and/or 96 hour time requirement, an expedited hourly rate may be assessed to the County. This expedited hourly labor rate may only be assessed for activated shop hours and shop tear down hours performed assessed to the County. This hourly labor rate shall be charged in lieu of the standard hourly labor rate and shall not be treated as an additional surcharge.

The County recognizes that there may be occasions where such expedited work may not be completed within established time frames due to reasons such as the unavailability of parts. Contractor shall make every effort to stabilize the situation to the best of their ability. In the event that the expedited time requirements are not met, standard hourly labor rates shall apply only.

C. Emergency Diagnostic and Repair Services

The Contractor shall respond to an emergency and make all efforts to arrive on County Site within three (3) hours for any emergency diagnostic inspection and/or repair required which is a result of an unexpected and urgent request where health and safety of the public is at risk, unless otherwise approved by the County. Failure by the Contractor to communicate with the County Project manager within the time specified for emergency repairs may result in Contractor being found in default and the work being procured through another source.

VIII. TRANSPORTATION

A. Majority of services provided by the Contractor will require County equipment to be transported to and from County sites and Contractor's shop/repair facility. There may be instances where repairs and services will need to be completed at County sites ("field"). Contractor shall have available apparatuses on hand in order to transport all County motors, pump, and related equipment to be serviced in a timely fashion as further outlined below.

B. Truck Crane Service for equipment to be serviced.

Contractor shall provide truck crane service, with operator for equipment requiring such mode of transportation to and from County site(s).

Truck Crane Service shall be computed by using hourly rates listed on bid form page. Mobilization, mileage, fuel, or any other cost associated with supply of such service shall be included in hourly unit prices. County shall only be responsible to pay for actual time. Contractor shall round to the nearest quarter of an hour.

Any freight or shipping damage cost incurred while Contractor is transporting County equipment will become the responsibility and absorbed by Contractor.

- C. Contractor picking up/delivery of equipment to be serviced (Non Truck Crane Service)

Contractor shall have the ability to transport all equipment serviced under this contract by any other method necessary. Fees for such pickup/delivery service, excluding truck crane service, shall be at no additional cost to the County. All equipment must be covered and protected against adverse weather conditions while in transit.

- D. County Delivering and Picking up Equipment

1. County, at its sole discretion, may opt to use own sources for the transportation and delivery of County equipment, to and from Contractor repair center, whichever is deemed to be in the best interest of the County.

2. Orange County reserves the right to pick up any and all parts that are quoted by the Contractor to be replaced. This includes (but not limited to) seals, bearings, and other items of a submersible pump unit.

IX. HOURLY LABOR RATES

- A. All repair services shall be charged by hourly labor rates as identified on the bid form page. All hourly labor rates shall include all tools, overhead, profit, mileage, travel means, and any other expenses necessary to perform the services. Billable time shall be supported with timesheets or other documentation processes as approved by County Project Manager. Start of services for both routine and/or emergency services shall not be clocked until technician arrives on County site. Contractor shall round to the quarter of an hour for all work performed in excess of an hourly increment.
- B. The Contractor shall log in with the operator at the facility upon arrival to the job and shall log out upon completion of the job. Travel time to and from the job site shall be included in unit bid prices.
- C. The time charged for repairs on any associated mechanical equipment which is directly connected to the electric motor housing or electric motor shaft is to be authorized in advance and fully documented and submitted to the Orange County Utilities representative for which the repairs were done

X. PROVISION OF PARTS AND MATERIALS

Contractor shall be responsible to supply all parts and equipment required to have County equipment in repaired and back to operational use.

The Contractor shall stock and maintain a sufficient inventory of factory recommended replacement parts and components for all equipment covered by this agreement to expedite maintenance service and to assure that any downtime shall not exceed a maximum of five (5) business days. The downtime can be extended with the written approval of the Orange County representative

Parts and/or Materials required for repairs shall be Original Equipment Manufacturer(OEM) parts. Unless approved by County Project Manager or designee, after market or used parts shall not be used for repairs. The repair parts supplied for and installed in the equipment covered under this service shall conform to the manufacturers and industry standards. Only parts meeting or exceeding that of the original equipment will be used for repair work. All parts used for repairs must be listed on the original invoice submitted for payment. Orange County Utilities reserves the right to audit vendor's invoices for parts, as it deems necessary.

Parts and/or Materials required for repairs shall be billed to the County at cost plus percent markup bid for parts and materials. For invoices involving materials and/or parts, copies of list prices, catalogs, and/or receipts shall be submitted for verification to the County Project Manager or authorized designee, unless provided at time of quote. The Contractor is required to maintain documentation to ensure that every effort has been made by the Contractor to secure the lowest possible price for all parts and/or equipment used in this contract.

XI. WARRANTY PROVISION

A. New Equipment

Warranties for all new equipment shall be inclusive in pricing for labor and/or materials/parts. Should any defect in materials or workmanship, excepting ordinary wear and tear, appear during the below stated warranty period, the Contractor shall repair or replace same at no cost to the County.

1. **Workmanship:** The Contractor shall warranty their work against defect in workmanship for a minimum period of five years from date of service. Any repairs made under warranty shall include any weekends and holiday rates, if repairs are required during that time.
2. **Materials:** The Contractor shall provide a minimum of five years warranty on all equipment/parts furnished against defect in materials. In the event the manufacturer warranty is longer than the minimum five year period, the manufacturer warranty period shall prevail. The warranty for new equipment shall become effective on the date of delivery and acceptance by Orange County Utilities. The Contractor shall be responsible for processing all warranty returns / replacements at no additional cost to the County.

Contractor shall be responsible to process all warranty claims in a timely manner at no additional cost to the County.

B. Repaired/Rebuilt Equipment, including reconditioned motors

Warranties for repaired/rebuilt equipment, including reconditioned motors shall be inclusive in pricing for labor and/or materials/parts. Should any defect in materials or workmanship, excepting ordinary wear and tear, appear during the below stated warranty period, the Contractor shall repair or replace same at no cost to the County.

1. **Workmanship:** The Contractor shall warranty their work against defect in workmanship for a minimum period of one year from date of service. Any repairs made under warranty shall include any weekends and holiday rates, if repairs are required during that time.
2. **Materials:** The Contractor shall provide a minimum of one year warranty on all equipment/parts furnished against defect in materials. The one year warranty shall become effective on the date of delivery and acceptance by Orange County. Contractor shall be responsible for processing all warranty returns / replacements at no additional cost to the County.

Contractor shall be responsible to process all warranty claims in a timely manner at no additional cost to the County.

XII. TECHNICAL SPECIFICATIONS FOR PUMPS AND MOTORS

A. General Requirements

1. The repair service shall be, unless otherwise stated in the delivery order, in accordance with the methods and procedures of the manufacturers operational, maintenance and repair manuals.
2. All rewinding is to be performed using inverter rated copper wiring.

B. Hazardous Information

1. Motors used in hazardous locations will have a nameplate stating such.
2. The repairs shall be done in a facility which has been certified by the Underwriters Laboratories (UL) to meet the requirements of UL674, 'Qualification of Facilities Engaged in the Repair of Electric Motors and Generators for use in Hazardous Locations'.
3. Must be certified by UL for repair of explosion-proof motors ("EX").

C. Nameplate Information

1. All labeling must be clearly and accurately marked to indicate at minimum the following motor nameplate parameters:
 - i) Manufacturer
 - ii) Horsepower
 - iii) Speed
 - iv) Voltage
 - v) Phase
 - vi) Model Number

vii) Serial Number

viii) Frame Size

2. Insulation Type Note: If nameplate information is not legible, shall replace with a new nameplate.

D. Minimum Tools

1. The Contractor shall be responsible for having the following test equipment and any other equipment necessary to perform the repair (to be verified prior to contract award:

i) Ammeter

ii) Voltmeter

iii) Wattmeter

iv) Ohmmeter

v) Mega-ohm meter

vi) High Potential Tester

vii) Surge Testers

viii) Core Loss Testers

ix) Dynamometers

x) Tachometers

xi) Vibration Meters

xii) Mile-ohm-meters

E. Requirements for All Motors (including close coupled pump and motor)

1. Incoming Inspection

- i) Upon receipt of the motor, the Contractor shall take digital photographs of unit and perform initial testing to determine what repairs are required.
- ii) The purpose of the initial tests shall be to determine and record the probable cause of failure, if any, to document certain pre-repair parameters, and to determine what work is required.
- iii) A visual inspection shall be made to assess the general condition of the outside of the motor for cracks, broken welds and missing parts.

- iv) Insulation to Ground: An insulation resistance test to ground shall be performed at a voltage suitable for the motor's voltage rating and the apparent condition of the motor. The testing shall be as follows:
- v) The initial test voltage shall be 500 volts DC.
- vi) The duration of the insulation test shall be one (1) minute. The temperature shall be recorded.
- vii) For motors where there is more than one winding, the insulation shall also be tested between windings, at the test voltage appropriate to the lower voltage winding, with other windings grounded.
- viii) The shaft shall be manually rotated to check for any obvious problems with the bearings shaft.
- ix) If possible, the motor shall be run on no load, at nameplate voltage and checked for balanced currents and vibration.

2. Disassembly

- i) After the incoming inspection the motor shall be cleaned with hot soapy water or degreaser and then with fresh water before disassembling.
- ii) The motor shall be disassembled to the extent needed to either identify or repair the failure, or to perform the specified overhaul.
- iii) End brackets and frames shall be clearly match-marked with numerals or letters.
- iv) Bolts and parts shall be stored in dedicated containers.

If the motor has insulated bearings, note which, if any have the insulation deliberately bridged. The insulation resistance of each insulated bearing shall be at least 10-megohms with a 500-volt DC test.

- v) If dowels or fitted bolts are used to ensure accurate fits, the location of these pieces shall be identified.
- vi) Subcontractor must be certified by UL for repair of explosion proof ('EX') rated motors.
- vii) For motors certified for hazardous locations, care shall be taken to ensure that joints and flame paths are not damaged during the repair.
- viii) For horizontal motors where the shaft rotor assembly is too heavy to be removed easily by hand, one (1) or two (2) cranes shall be used to move the shaft, with a close fitting pipe installed over one end of the shaft extension.

ix) Attention shall be paid to the following:

- (1) Care shall be taken that the slings do not damage the bearing surfaces or the rotor.
- (2) Under no circumstances shall the stator windings be touched by any of the parts being moved.

3. Vertical Motors

- a. Vertical motors shall be disassembled according to the manufacturer's instruction manual. The assembly of vertical motors is critical. Particular attention shall be paid to, and records kept of:
 - i. The amount of rotor lift (end play).
 - ii. The make and types of bearings, particularly the thrust bearings including orientation of thrust bearings.
 - iii. The arrangement of the thrust and guide bearings, including specially ground mating surfaces.
 - iv. The axial and radial clearances (fit) to the shaft and housing.
 - v. The method of lubrication of both upper and lower bearings.
 - vi. The method of bearing insulation, if any.
 - vii. Any other particular features of the motor configuration.

4. Winding Removal

i. General:

For motors that are to be rewound, the core shall be stripped, cleaned, tested and repaired.

ii. Take Data:

Winding data shall be recorded so as to permit replicating original configuration.

iii. Core Loss:

- a. A core loss test shall be done on all stators both before and after stripping and iron repair, to check for damaged inter-laminar insulation. The tests shall be done at a flux density of 85,000 lines per square inch rms. Exciting currents and watts loss shall be recorded each time, as well as a physical check carried out for hot spots.

- b. If hot spots exceed 60 degrees Fahrenheit above the average temperature after 10 minutes, or losses are excessive overall either before or after stripping, Orange County Utilities representative shall be notified before proceeding. For a core without any hot spots, the losses after stripping shall not be more than 10% higher than the pre-strip losses. To avoid misleading results, the second core loss test should not be done until the core has been cleaned and dried.

iv. Burn Out:

The winding shall be burned out in a controlled temperature burnout oven where the part temperature is limited by means of fuel control and supplementary (water spray) cooling to 680 degrees F (360 degrees C) for organic (C3) or 750 degrees Fahrenheit (400 degrees C) for inorganic (C5) inter-laminar insulation. If a higher temperature is deemed necessary, shall reference communication or documentation from the motor manufacturer indication that the core iron can safely withstand the temperature.

v. Aluminum Frame:

Frames may be chemically stripped if burnout facilities are not available. Other methods of stripping may only be used with Orange County Utilities Rep. approval.

5. Core Preparation

i. Cleaning:

The stripped core shall be cleaned of all foreign material, such as insulation debris, and thoroughly dried.

ii. Iron Damage:

All obvious iron damage, plus any problems indicated by the core loss tests, and significant frame damage, shall be reported to Orange County Utilities representative before proceeding.

iii. Method of Repair:

- a. Grinding – Selective grinding with a small sharp power tool.
- b. Spray between laminates – Separating laminations and re-insulating with spray-on inter-laminar insulation.
- c. Mica between laminations – Inserting split mica between the laminations.

- d. Restacking – Restacking, with deburred laminations and new inter-laminar insulation.
- e. A final core loss test shall be done as described in the “Winding Removal”.
- f. Rewinds
 - i. Winding Details: The total cross sectional area of a turn, the turns per coil, the span and connection of the coils shall not be changed without authorization from Orange County Utilities representative.
 - ii. Thermal Class: Class ‘F’ or higher system materials shall be used throughout. Windings which were originally Class ‘H’ shall be replaced with a Class ‘H’ rewind.
 - iii. Sensors: Temperature sensing devices shall be replaced with devices comparable to those previously used.
 - iv. Explosion Proof:

If the temperature class of the insulation of an explosion-proof motor has been increased, a temperature sensor shall be installed to monitor and limit the motor surface temperature to the original maximum external temperature. The motor shall be tagged with a warning to the operator that to maintain the hazardous area classification, the sensor must be connected to shut down the motor.
 - v. Insulation Materials:
 - 1. Insulation shall include, as a minimum, the following components:
 - a. Turn Insulation – Multiple build coating turn insulation of polyamide, polyimide or a combination of both over polyester, or equivalent.
 - b. Slot Liner – Slot liner extending at least one quarter inch past each end of the slot.
 - c. Separator – Center strip or separator between the top and bottom coil sides in a slot.
 - d. Wedge – A top piece to hold the coils in the slot (where needed, a bottom filling piece shall be used to make up any extra space in the slot).

e. Phase Barriers – Phase barriers between end turns of different phases (these shall be trimmed to permit clear airflow).

vi. End Turns:

The end turns shall be fully compacted so that there are no loose wires. Both sets of end turns, plus leads and jumpers, shall be laced tightly together so that each coil is tied securely to the two (2) adjacent coils.

vii. Connections:

All connections shall be brazed with materials that will not be subject to corrosion in the specified operating environment. They shall have no sharp edges and shall be insulated.

viii. Winding Test:

Before impregnation, the winding shall be tested to verify that there are no wrong connections or shorted turns. This may include a surge comparison test, a high potential test, and winding resistance test. Voltage used shall be as indicated in 'EASA Recommended Practices for the Repair of Rotating Electrical Apparatus'. Any defects shall be corrected and retested before impregnating. Test results shall be documented.

ix. Impregnation:

The rewound stator shall be impregnated in one of the following ways:

- a. Dip-and-Bake – Double dip-and-bake cycle using resin or varnish and a temperature controlled bake oven (baking times and temperatures shall be recorded.)
- b. Trickle – A trickle epoxy of polyester treatment where the resin is poured into the end turns and slots of a vertically inclined stator, which has been heated with controlled electric current to assist in curing the resin.
- c. VPI – Vacuum Pressure Impregnation (VPI) treatment.

6. Routine Overhauls

i) Testing:

After dismantling, the following procedure shall be followed:

- (a) Winding and cooling ducts shall be cleaned, dried and inspected.

- (b) Winding insulation resistance shall be tested at 500 volts DC.
- (c) The duration of the test shall be one (1) minute. The minimum acceptable level after one (1) minute, corrected to a 104 degree Fahrenheit reference temperature per IEEE 43, is 20 meg-ohms. Levels less than 20 meg-ohms shall be discussed with the Orange County Utilities representative.
- (d) If satisfactory levels are not attained, the winding shall be re-cleaned and dried thoroughly at a temperature not exceeding 195 degree F (90 degree C), and then retested.
- (e) After successful insulation resistance to ground has been achieved, the winding shall be given a high potential or surge comparison test. Voltage level used shall be as indicated in "EASA Recommended Practice for the Repair of Rotating Electrical Apparatus" or other standards approved by Orange County Utilities representative.

ii) Cleaning:

- (1) The components, including the stator windings, shall be cleaned with hot water and a suitable detergent after heavy deposits of dirt and grease have been removed by scraping and wiping.
- (2) If necessary, brushes shall be used to clean small passages in components.
- (3) Solvents shall not be used to clean insulation, but may be used on mechanical components of the motor.
- (4) All components shall be thoroughly dried at a temperature less than 195 degree F (90 degree C) for as long as it takes to remove all signs of moisture. For windings, this will be indicated by the insulation resistance stabilizing after some hours of drying.

iii) Repairs:

- (1) After satisfactory insulation resistance has been attained, all loose or damaged wedges, slot sticks, coil supports, etc., shall be replaced or repaired.
- (2) The winding shall then be given a dip-and-bake using a Class F or higher grade varnish. Immersion and baking times shall be sufficient to penetrate any cracks and give a sealed durable finish to the insulation.
- (3) The Contractor shall notify Orange County Utilities representative if a dip-and-bake is undesirable.

7. Reassembly:

For assembly of the motor after repair see "Reassembly" section.

i. Rotor Test and Repair

a. Testing:

- (1) All rotors shall be given a test for damaged bars, whether the motor is suspect in this area or not. This test shall apply a stable single-phase voltage to the stator of the assembled motor while the shaft is slowly turned through at least one (1) revolution. Any fluctuations of stator current in excess of 4 percent shall be investigated further.
- (2) Other methods may be used if the stator winding is faulty and it can be shown that they have a good record of detecting faults.
- (3) For motors where electrical or mechanical problems with the rotor are suspected, more sophisticated tests shall be used. These include one or more of the following:
 - (a) Growler tests;
 - (b) Current analysis or vibration analysis of a loaded motor;
 - (c) Physical examination;
 - (d) Ultrasonic examination of the bars and end rings;
 - (e) Core loss test (axial current through shaft).

ii) Fabricated Cage Repair:

Prior to repair of any cage, an estimate shall be provided to the Orange County Utility representative before work can commence.

iii) Cage Replacement:

For cage replacement, the conductive, metallurgical and strength characteristics of both the bar and end ring materials shall be determined and duplicated. Since changing the rotor resistance or density has major effects on the motor performance, no changes in these are permitted without Orange County Utilities representative approval. Any parts that are to be reused shall be cleaned and examined for defects.

iv) Testing:

After fabrication, the joints shall be examined and tested by ultrasonic or comparable means.

v) Balance:

The rotor shall be dynamically balanced to the tolerances listed in the "Balance" section.

vi) Cast Rotor Repair:

- (1) A defective cast cage shall not be repaired without prior authorization from Orange County Utilities representative.
- (2) The method of repair shall be to remove the old cage by chemical means, without damaging the laminations, followed by re-barring with extruded, aluminum bars and duplicate cast aluminum end rings to give the same cage resistance as before.

vii) Iron Repairs:

This work shall not be done without prior Orange County Utilities representative approval. If tests or observation indicate that the laminations have been damaged, they shall be repaired or replaced with new laminations. Care shall be taken to ensure a consistent air gap.

8. Shaft Repair

i) General:

- (1) If any test indicates there may be a shaft problem, it shall be tested and repaired or replaced after approval from Orange County Utilities representative.
- (2) All tolerances must meet original equipment manufacturer (OEM) specifications at minimum. This shall include but not limited to bearings, bearing housings, and seals.

ii) Shaft Repair Requirements:

- (1) When the work is completed, the shaft shall meet the following criteria:
 - (a) Total Indicated Runout: It shall be straight, with a Total Indicated Runout (TIR) when measure in V blocks, of no more than 0.002in. (0.051mm) for up to 1.625in (41.3mm) shaft diameter and no more than 0.003 inch for larger diameters.
- (2) The shaft shall have no cracks. If ultrasonic, magnetic particle, dye penetrates or No Cracks: other testing methods are needed to verify this, they shall be documented.
- (3) Straightness: The shaft shall be straight, parallel and undamaged at the bearing areas. If any measurable but acceptable deviation from this is noted, it shall be documented.

- (4) Journal Repairs: Make journal repairs by welding or plating, followed by machining and grinding, with fit as specified in the “Anti-Friction Bearings” section.
- (5) Fit to Rotor: The shaft shall be a tight fit to the rotor iron. If there is looseness, the shaft shall be built up and turned for a proper interference fit, or shall be replaced.
- (6) Shaft Material: New shafts shall be machined from AISI Gr. C1045 hot rolled steel or better. For special applications, the service center shall consult with the manufacturer and report recommendations to Orange County Utilities representative.
- (7) Tolerances: Shaft extension dimension tolerances shall be within the limits specified in NEMA MG-1, “Motors and Generators” sections. All tolerances must meet OEM specifications at minimum. This shall include but not limited to bearings, bearing housings, and seals.

9. Anti-Friction Bearings

i) New Bearings:

Anti-friction bearings shall always be replaced. New bearings shall be the same type as originally used. If the bearing type, size, sealing, shielding or configuration is changed, this shall be noted on a supplemental nameplate. If the original bearing race showed pitting from shaft current, the causes and remedy for this shall be discussed with Orange County Utilities representative.

ii) Shielding, Sealing:

If the method of shielding, sealing or lubricating is to be changed, it shall be approved by Orange County Utilities representative.

iii) Clearance:

C3 clearance bearings shall be used for all bearings unless otherwise specified by the equipment manufacturer relative to the operating environment

iv) Tolerances:

- (1) Fitting tolerances to the journals and housings shall be per manufacturer’s specifications. Out of tolerance fits shall be restored. (Reference ANSI/ABMA Std. 7-1995 as a guide.)
- (2) All tolerances must meet OEM specifications at minimum. This shall include but not limited to bearings, bearing housings, and seals.

v) Heating:

- (1) The bearing shall be heated, without use of direct flame, to approximately 200 degree Fahrenheit (94 degree C) to permit it to be slid easily onto the shaft up to the shoulder. Bearings with bores less than 1.75 in. (45mm) may be press fit.

vi) Grease:

- (1) Grease-able bearings shall be lubricated as specified in the "EASA Recommended Practice for the Repair of Rotating Electrical Apparatus".
- (2) Lubrication shall be in accordance with the motor manufacturer's recommendations if available. The lubricant shall be compatible with the lubricant packed by the bearing manufacturer. (*see lubricants*)

10. Insulated Bearings:

- i) Insulated bearing resistance shall be at least 10 meg-ohms. Voltage applied from the meg-ohmmeter should not exceed 500 VDC. Alternately a 115 VAC test lamp may be used. No light should be visible from the lamp filament. (Reference IEEE 112-1996, section 9.4.3 or EASA AR100-1998)

ii) End Brackets

(1) Requirements:

- (a) End brackets shall fit snugly to the stator frame. Worn dowel holes and rabbet fits shall be repaired.

iii) Tolerances:

- (1) See "Anti-Friction Bearings".

- (2) All tolerances must meet OEM specifications at minimum. This shall include but not limited to bearings, bearing housings, and seals.

iv) Repairs:

- (1) Repairs to end bracket bearing housings shall be by building up the metal and machining to size. Welding, plating and sleeving are the accepted methods.

- (2) Epoxies and other compounds shall not be used for locking bearings.

11. Other Devices

i) Fans:

- (1) Fans shall be checked for cracks and fit to the shaft or rotor.

- (2) Fans shall be firmly fixed to the shaft or rotor by the original factory method, unless there has been corrosion between dissimilar metals, in which case a new method shall be proposed to Orange County Utilities representative. Welding to the shaft is not permitted.
- (3) Repairs to fans shall only be done after discussion with Orange County Utilities representative.
- (4) New fans shall be as supplied by the original manufacturer if available.
- (5) Fans used in motors for use in hazardous locations shall be made of material that will not cause sparking, either by impact or by buildup of static electricity.

12. Temperature Sensors:

Temperature sensors shall be installed in the motor as originally found or as otherwise specified by Orange County Utilities representative.

13. Bearing:

Bearing sensors shall be of the same type as those removed and shall be located to sense, as nearly as possible, the highest bearing temperature. If the original bearing sensor was insulated, the replacement shall also be insulated.

14. Winding:

Sensor type shall be the same as the original and will usually be located in the end turns.

15. Leads:

- i. Lead wires shall be multi-stranded and flexible, and have at least the same cross sectional area and color as the original leads with insulation meeting or exceeding the temperature and voltage class of the motor.
- ii. Main power and accessory leads shall be indelibly marked using the same marking systems as the incoming motor. If this is illegible, then the system described in NEMA MG-1, "Motors and Generators, Section 2" shall be used and a notice describing the system attached to the terminal box. Every effort shall be made to keep the original direction of rotation.
- iii. Lugs, if used, shall be suited for the application and have all cable strands in the lug. No cable strands may be cut off or bent back to facilitate insertion in the lug.
- iv. If crimp lugs are used, the correct make and style of die shall be used for the particular lug, and the correct compression applied.

- v. Wiring leads must be identified and meet original equipment manufacturer (OEM) specifications
- vi. Any field wiring connection point replacement must be with like materials.
- vii. Any replacement cable must meet OEM specifications

16. Terminal Boxes:

- i. Terminal boxes shall be returned to original condition. In particular, the following items must be confirmed.
- ii. Missing bolts and gaskets for both the cover and the motor-to-box joint shall be replaced.
- iii. On motors certified for hazardous environments, the junction boxes shall be sealed off from the main body of the motor by a sealing compound approved by UL for the application.
- iv. Damaged flanges shall be repaired. No paint or gaskets shall be left on the flanges of boxes for explosion-proof motors.

17. Space Heaters:

- i. Space heaters shall be tested for insulation resistance for one (1) minute at 500 volts. A 10 meg-ohm minimum resistance is acceptable.
- ii. They shall be tested for correct functioning.

18. Vibration Sensors:

- i. Vibration sensors shall be replaced in their original locations.

19. Balancing

- i. The motor rotor shall be dynamically balanced in a balance stand before assembly of the motor. Balance criteria include the following:
- ii. Half Key: It shall be balanced with a half key in the keyway.
- iii. Tolerance G2.5 (ISO 1940-1): Generally, the permitted total imbalance is $15W/N^2 = \text{oz.in./plane}$ where W is weight of rotor in pounds and N is operating speed in RPM. (426 W/N^2 gm. in./plane)
- iv. Tolerance G1.0 (ISO 1940-1): Two Pole rotors should be balanced to $6W/N^2 = \text{oz.in./plane}$. (170.4 W/N^2 gm. in./plane)
- v. Material Removal: If material is removed, structural integrity and fan capacity shall be maintained.

- vi. Added Material: Added material shall be able to withstand the centrifugal forces and be positioned either in the manufacturer's designated positions and locked in place, or positioned in a location where centrifugal force will tend to keep the material in place. Weights may be attached to metallic parts only.

20. Reassembly

- i. The motor and all materials installed shall be properly cleaned before reassembling.
- ii. The assembly of the motor is the reverse of the disassembly process and the following points shall be observed:
 - a. Match marks shall line up.
 - b. On reinsertion of the rotor, take care not to damage the journals or the stator windings. Cranes, slings and extension pipes shall be used on heavy rotors. Check axial alignment of stator and rotor cores.
 - c. Dowels and fitted bolts shall go back into the same holes that they came from.
 - d. Where they can be measured, all air gaps shall be within 10 percent of the average.
 - e. On motors with insulated bearings, the insulation shall be checked and noted. (See "Anti-Friction Bearings", section)
 - f. On vertical motors, the lift on the shaft shall be the same as the original manufacturer's setting, unless Orange County Utilities representative agrees that a modified setting would give better performance.
 - g. Motors for use in hazardous environments shall have all the explosion-proof features maintained and verified in accord with UL674.

21. Final Testing

- i. The final tests shall consist of, but not limited to the following tests:
 - a. Insulation:

Prior to running, the motor shall be given an insulation resistance test to ground in the following manner:

 - 1. For rewind motors, a DC high potential test shall be conducted at 1700 VDC for motors to be powered by less than 250 VAC service voltage.

2. Motors to be powered between 250 VAC and 600 VAC service voltage shall be tested at 1700 VDC plus 3.4 times the machine's voltage rating, e.g. 3264 VDC for a 460 VAC machine.
3. Readings corrected to 104 degrees Fahrenheit (40 degree C), which are less than 20 meg-ohms, shall be discussed with Orange County Utilities representative.

b. Running Test:

After the insulation tests, the motor shall be run at no load at full terminal voltage, with either a half key of a half coupling, on the shaft. If the motor uses an external oil supply and removal system in normal use, a similar system shall be arranged for the test.

ii. The test shall determine that:

1. No Load Amps: No load current unbalance at balanced rated voltage shall be less than two (2) percent.
2. Vibration: Horizontal, vertical and axial vibration readings shall be taken at each bearing and results recorded for Orange County Utilities representative review. Tolerance shall not exceed manufactures.
3. Temperature Rise: Temperature rise after levels stabilize shall be within normal limits on the frame and bearings.

22. Shipment: After the run test, the motor shall be painted as specified by OEM specs, and prepared for shipment.

F. General Requirements Pump

1. Orange County Utilities representative will monitor the repair of its submersible pumps on a continuous basis.
2. The general requirements for the reconditioning, rewinding, repairing, replacing and testing of the various submersible pumps located at Orange County Utilities facilities includes, but is not limited to, motor stator coils, motor stator iron, motor rotor, pump casing, pump impeller, pump volute, wear rings, bearings, seals, and electrical/mechanical work. The shall furnish all supervision, labor, parts, tools, materials, equipment, supplies, and facilities necessary to provide precise repair services for the various submersible pumps of Orange County Utilities.
3. Wherever this document refers to the following codes and standards, the specific sections of the code/standard shall apply to the repairs being carried out by the Contractor and/or subcontractor:

- i. Steel Structures Painting Council (SSPC)
 - ii. Anti-Friction Bearing Manufacturing Association (AFBMA)
 - iii. American Society for Non-Destructive Testing
4. The Contractor provider shall furnish, when requested by the Orange County Utilities representative, copies of current environmental permits and demonstrate compliance with current environmental regulations.
5. All illegible or defective nameplates shall be replaced upon completion of repair. All original nameplate information, except where changed, shall be stamped on new nameplate. New nameplates shall be permanently attached with mechanical fasteners. The cost of a new nameplate shall be included as a part of the base cost of any recondition/rewind repair.
6. The Contractor Contractor shall install a stainless steel identification tag stamped with the name, job number, and repair date on submersible pump housing. The tag shall be secured with stainless drive pins. The cost of the identification tag shall be included as a part of the base cost of any recondition/rewind repair.
7. The Contractor shall ensure the equipment inventory number tag remains attached to the equipment. The Contractor shall notify the Orange County Utilities representative if the equipment inventory tag is damaged or missing.
8. Upon receipt of the submersible pump the Contractor shall verify and document all information about the condition of the unit including nameplate data. The Contractor shall inspect the unit and document any damaged and/or missing parts on the teardown report.
9. Digital photographs will be taken and included within the teardown report of each unit received, along with noting any damaged components.
10. In the case of dual horsepower units, charges shall be based only on the higher horsepower rating, never on both.
11. Wherever torque values are known, the Contractor shall use a torque wrench and adhere to the OEM torque values.
12. All metal parts shall be checked for structural integrity and cracks, and shall be repaired or replaced to meet required codes as well as industry and performance standards.
13. Terminal boxes and auxiliary equipment enclosures shall be made to meet OEM's specifications.
14. All submersible pumps with peeling paint or rust shall be sandblasted. The cost of sandblasting shall be included as a part of the base cost of any recondition/rewind repair.
15. Paint booth shall not be used for sandblasting.

16. Steam clean area shall be so designed with all the run-offs captured into an approved oil/grease recovery system.
17. The Contractor shall be responsible for storage of the submersible pump units and all parts. Any parts lost or damaged while in the possession of the Contractor shall be repaired or replaced at the Contractor expense.
18. All inspection, cleaning, balancing, disassembly, reassembly, winding, dipping, baking, blasting, painting, testing and document preparation shall be included as part of the base rewind/recondition cost.
19. All test equipment required for test results shall be calibrated at a minimum of once a year and adhering to standards traceable to the "National Institute of Standards and Technology" (NIST) or equivalent standards laboratories (see EASA AR100-2010). The Contractor shall establish, document, and maintain calibration records for testing and measuring equipment used to demonstrate conformance of product to specified requirements.
20. The Contractor shall deliver all non-repairable submersible pumps and pump components to the customer facility on a pallet. Non-repairable units do not need to be reassembled.
21. Upon completion of any repair work the Contractor shall provide to the Orange County Utilities representative, a full set of completed teardown sheets which details the work performed on the unit, test results and data sheets. The Contractor shall also include but is not limited to the electrical, machinist and mechanical report, and winding data report. Any equipment in care of the or removed from Orange County Utilities property shall be documented on an Orange County Utilities "Equipment Release" form, (see forms). The department requesting services shall provide the form. Delivery tickets and packing slips will contain quantity, part number, description of commodity delivered, name of department or section, facility name to which the merchandise originated from, signature of the Orange County Utilities representative, signature of receiving employee, printed names, employee number, date received and the authorization release number. Pump Types: There are several types of close coupled pumps, i.e., single stage, two stage, end suction, in-line, immiscible and submersible pumps. A close coupled pump uses a built-in electric motor, thus, reason for appearing in this specification with the motor drive and pump impeller on the same shaft. They are commonly used in wastewater treatment. Single stage pumps are used for sewage pumping, slurry pumping, etc.

G. Pump Types: There are several types of close coupled pumps, i.e., single stage, two stage, end suction, in-line, immiscible and submersible pumps. A close coupled pump uses a built-in electric motor, thus, reason for appearing in this specification with the motor drive and pump impeller on the same shaft. They are commonly used in wastewater treatment. Single stage pumps are used for sewage pumping, slurry pumping, etc.

1. Initial Pump Inspection

- i. The Contractor shall furnish all supervision, labor, parts, tools, materials, equipment, supplies, and facilities necessary to provide precise repair services for the various submersible pumps.
- ii. The Contractor shall furnish hoist, crane, etc. for loading and unloading of the submersible pump unit.
- iii. Upon pulling the unit, the Contractor at their facility shall take digital photographs; chemically and mechanically clean all external surfaces prior to disassembly and inspection of the unit to assess the extent of repairs.
- iv. The Contractor shall disassemble submersible pump unit, clean all internal parts and perform an inspection of all components of the submersible pump unit and all critical areas to determine if clearances are within OEM tolerances, and the parts meet manufacturer's specifications.
- v. The Contractor shall perform electrical tests; with measurement recorded in the teardown report (see forms). These include but are not limited to:
 - a. Insulation resistance to ground, in meg-ohms, of windings and accessories.
 - b. Surge-comparison of winding
 - c. Growler test

Shall measure insulation resistance to ground of windings and accessories with a 500 volt meg-ohm-meter (EASA AR100-2010 4.2.1).
- vi. In the event the insulation resistance of the windings is below the recommended minimum value, the motor shall be disassembled, and the windings shall be cleaned and dried before surge-comparison testing.
 - a. The Contractor shall inspect the unit and its shaft for corrosion, erosion, chipping, scoring, and other damages and shall record their observation in the teardown report.
 - b. The Contractor shall inspect the rotor shaft for "roundness/runout" and determine if it is within OEM tolerance.

- c. The Contractor shall inspect the pump casing, impeller, shaft sleeve, mechanical seal assemblies, and wear rings for corrosion, erosion, chipping, scoring, wear gaps and other damages and shall record their observation in the teardown report.
- d. The Contractor shall inspect the shaft extensions and key seats (keyways). Shaft extensions dimensions shall be checked and shaft must be smooth, polished, and concentric with shaft center.
- e. The Contractor shall inspect each bolt for damaged threads.
- f. Repair shall include sandblasting, welding and machining as required. Other services required shall include Non-Destructive Testing (NDT), chroming and metalizing if and when required.
- g. The core iron, if needed, may be grit blasted with glass beads, walnut shells, corncobs, or similar materials. It shall not be blasted with silica, garnet, or other grits, which may cause shorts between laminations (EASA Tech Note 16).
- h. As a minimum the Contractor shall replace all bearings and seals.
- i. Only parts meeting or exceeding that of the original equipment will be used for repairs.
- j. The Contractor shall determine what parts are to be machined or replaced with new parts.

H. Pump Repair Inspection.

1. The Contractor shall furnish all supervision, labor, parts, tools, materials, equipment, supplies, and facilities necessary to provide precise repair services for the various submersible pumps.
2. The Orange County Utilities representative will inspect the disassembled unit, review the **proposed** work scope and cost estimate. If the cost exceeds the budget, Orange County Utilities shall revise the scope and request another cost estimate.
3. At all times during the repair process, the Contractor shall maintain Orange County Utilities' equipment in a clean and weather protected storage area.
4. The rotor assembly shall be checked for total indicated runout (TIR) and recorded on the rotor information sheet (see forms). The check shall be carried out in precision "V-blocks".
5. Shaft seal surface and bearing journals, shall be micrometer checked and results shall be recorded on the rotor information sheet.

6. The critical dimensions of the end bells and bearing housing shall be micrometer checked and recorded on the mechanical inspection sheet.
7. The measurements recorded above shall be submitted to the Orange County Utilities representative, along with the electrical and mechanical data sheets, during the disassembly inspection.
8. Replacement bearings shall have an L10 rating life in accordance with ANSI/AFBMA of at least 40,000 hours. If the L10 rating life of the existing bearing is larger than 40,000 hours, the Contractor shall replace the bearing with the same L10 rating life bearing as the existing one.
9. Mechanical seal assemblies shall be refurbished if applicable unless directed to be replaced by Orange County Utilities.
10. Upon repair completion of all component parts, the Contractor shall assemble and balance the rotating assembly. The Contractor shall balance the rotor first, and then balance the assembled rotor and impeller.
11. Immiscible pump cooling jacket must align correctly and pressure tested per OEM requirements.
12. Wear rings must be replaced if $\geq 50\%$ of OEM minimum/maximum efficiency gap clearances (example; replace if OEM minimum = 1 mm and maximum = 2 mm and gap ≥ 1.5 mm. New wear rings must meet OEM material specifications
13. New wear rings must meet OEM minimum gap specification for pump efficiency and designed pumping
 - a. Neck ring and runner ring to be installed per OEM specifications using suitable tool to knock (wooden block or hard rubber block)
 - b. Neck ring and runner ring to be installed using required adhesive per OEM specifications (example; Loctite heavy duty 270)
14. The Contractor shall reassemble the submersible pump unit seal, paint and test as required.
15. Only OEM specified lube/cooling oils, or equal, shall be used in the oil chamber. The lube/cooling oils shall be biodegradable, nontoxic, and FDA approved.
16. Only OEM specified greases, or equal, shall be used in the bearings.

17. Surface of all units shall be prepared for painting to white metal finish by blast cleaning to surface preparation standards and specifications (SSPC-SP5).
18. Surface of all units shall be primed and finished, in an approved paint booth, using the unit manufacturer's standard epoxy painting system:
 - i. The minimum primer coat thickness shall be 3 mils DFT, dry film thickness (DFT).
 - ii. The minimum finish coat thickness shall be 6 mils DFT, dry film thickness (DFT).
 - iii. If the manufacturer's "standard epoxy painting" information is not available, the following industrial coating specification for surface of pumps and equipment shall be followed:
 - iv. The primer and finish coats shall be two-component, rust-inhibitive, polyamide-cured epoxy coating with a re-coat able finish.
 - v. The prime coat shall be Ameron 38P, Tnemec 69, or equal.
 - vi. The finish coat shall be Ameron 38S, Tnemec 69, or equal.
 - vii. Changes to paint specifications shall be approved by the Orange County Utilities Representative prior to application of paint.
 - viii. The Orange County Utilities Representative will specify the paint color.

I. Explosion-proof submersible pump units

1. Suitable for NEC Class I, Division I, Group D
2. REPAIR OF UNDERWRITERS LABORATORY (UL) APPROVED EXPLOSION- PROOF SUBMERSIBLE PUMP. REPAIR OF FACTORY MUTUAL (FM)
3. APPROVED EXPLOSION-PROOF SUBMERSIBLE PUMP.
 - i. The repair of Underwriters Laboratory (UL) explosion-proof submersible pumps shall be performed in a UL approved shop by skilled submersible pump mechanics that are familiar with repair practices typical to explosion-proof submersible pumps.
 - ii. The repair of Factory Mutual explosion-proof submersible pumps shall be performed in a Factory Manual approved shop by skilled submersible pump mechanics that are familiar with repair practices typical to explosion-proof submersible pumps.

- iii. Only OEM parts are allowed in the repair of UL explosion-proof units, except for bearings and seals. **NO OTHER EXCEPTION.**
 - iv. Only shafts and seals can be reworked for a repair of UL explosion-proof units.
 - v. Only OEM parts are allowed in the repair of FM explosion-proof units, except for bearings and seals. **NO OTHER EXCEPTION.**
 - vi. Only shafts and seals can be reworked for a repair of FM explosion-proof units.
 - vii. Any casted component of the explosion-proof submersible pump unit that is damaged shall be replaced.
 - viii. The repaired "UL" unit shall be re-certified by an UL inspector.
- J. The shop shall provide Orange County Utilities Representative with a copy of the "UL" re-certification document. The certificate shall bear UL file number.

K. Drinking Water Options:

1. ***Disinfection of pumps for portable water services:*** Prior to packaging and preparation for return to Orange County Utilities, all (repaired or replaced) pumping equipment or related parts supplied, handled or manipulated under this contract- the surfaces of which (interior and exterior) will be in direct contact with portable water – shall be cleaned, swabbed with a one percent (1%) HYPOCHLORITE SOLUTION, contact time 10-30 minutes, then thoroughly rinsed with potable water after completion of contract repairs and/or hydraulic or hydrostatic testing. A separate certificate of disinfection completion, signed shall accompany all affected parts and/or equipment.

L. Requirements for Close Couple pump and motor unit

1. All motor repairs and services of the submersible pumps shall be performed to comply with the latest revision of the following ELECTRICAL APPARATUS SERVICE ASSOCIATION (EASA) documents and ASTM guides:
 - i. EASA AR100-2010 – ***RECOMMENDED PRACTICE FOR REPAIR OF ROTATING APPARATUS***
 - ii. EASA Technical Note No. 16 – **GUIDELINES FOR MAINTAINING MOTOR EFFICEINCY DURING REBUILDING**, September 1999 (EASA Tech Note No. 16)
 - iii. EASA Technical Note No. 17 – **STATOR CORE TESTING**, updated March 1997 (EASA Tech Note No. 17)

- iv. EASA Bearing Fit Tolerance Chart, updated 1997 ASTM E 1934-99a (2005e1) – Standard Guide for Examining Electrical and Mechanical Equipment and Infrared Thermography (ASTM E 1934)

2. Initial Motor Inspection:

- i. The Contractor shall provide a repair data sheet and digital photographs showing the condition of the motor upon receipt, the repair work done and the final test results.
- ii. Before disassembling the motor shall be cleaned with hot soapy water or degreaser and then with fresh water, during disassembly the motor shall be visually inspected to determine cause of failure, including electrical and/or mechanical failure. Stator shall be removed from the housing.
- iii. Stator winding phase to ground insulation shall be checked with a 500 volt megger and the results noted on the inspection form.
- iv. Stator winding shall be checked for shorts using surge-comparison tests and all values recorded.
- v. The rotor assembly shall be inspected for wear, scoring and cracks. Checking for open rotor bars shall be done using (but not limited to) growler and magnetic paper. Enhanced testing of rotor bars can be done using infrared thermography.
- vi. All stators that are to be rewound shall be core loss tested. This test shall be done after windings are removed and before burnout. The results shall be submitted to the Orange County Utilities representative.
- vii. Shaft seal surface, bearing journals and coupling fit, shall be checked with a micrometer and recorded on the rotor information sheet.
- viii. The insulating material in the rewinding of the unit shall have a Class “F” rating or better.

3. Motor Inspection and Recondition Repair:

- i. Motors that have been designated for winding reconditioning (and have been thoroughly cleaned free from dirt, grit, grease, oil, and properly dried) shall be inspected for winding damage and recommended repairs shall be made to damaged areas upon approval.
- ii. Damage to the windings shall be recorded and submitted to the Orange County Utilities representative.

- iii. Motor insulation shall be washed with hot soapy water at 200 degree F and at 30 psi or degreaser and then with fresh water. After cleaning, unit must be baked between 250 and 275 degree F until an acceptable insulation level is obtained.
 - iv. Reconditioned motors shall be dipped a minimum of two (2) dips and baked in insulating resin. Stator shall be baked at insulation resin manufacture's recommended temperature and time to assure full curing. Stator shall be removed from housing for this process.
4. Motor Inspection and Rewind Repair:
- i. Motors that have been designated for rewinding repair (and have been thoroughly cleaned free from dirt, grit, grease, oil, and properly dried) the stator core shall be vertically set in the burnout oven. After burnout and winding removal, the core and frame shall be allowed to cool by natural convection without forced air to avoid overstress or warping. Maximum burnout temperature shall be 650 degree F to avoid damage to laminations.
 - ii. Torch heating shall not be used for stator clean up.
 - iii. The stator core shall be blasted to a bare metal finish.
 - iv. The core shall be thoroughly cleaned; the stator core shall be examined for lamination damage such as fusing or metal loss due to arcing.
 - v. Fused laminations shall be separated either by grinding or filing. Bent laminations shall be realigned and all protrusions into the slot area shall be filed or ground smooth. Stator cores shall not be re-stacked without the Orange County Utilities Representatives approval.
 - vi. Before a new winding is installed in a stator the winding data shall be verified to assure that an original factory equal winding is being installed. If manufacturer's data is not available, the winding data shall be verified to assure it conforms to the relevant EASA standard(s).
 - vii. Coils shall be formed with the same number of turns as the original winding. Resistance of the rewound stator shall be the same as the original winding.
 - viii. Coils shall be machine wound with sufficient wire tension to obtain freedom from crossovers and uniform cross-section coils.
 - ix. Stator winding extensions shall be shaped to ensure adequate winding clearance on motor reassemble.

- x. Phase insulation shall be installed between phase coils prior to coil lacing to minimize phase-to-phase contact. Separators shall be installed between the top and bottom coil in the core slots.
- xi. Pre-formed slot wedges shall be used to secure the winding in the stator slot, with shim material as necessary to assure tightness.
- xii. After the winding is complete, a thorough inspection shall be performed to ensure the slot insulation overhangs the core slot edges and is not broken or torn at the core slot edges.
- xiii. All winding and lead connections shall be securely laced to form an integral assembly with adequate physical clearance to ground, as required by applicable codes and specifications.
- xiv. All leads brought into the connection box shall be numbered and equipped with a compression lug with NEMA standard bolt holes.
- xv. The finished stator winding insulation to ground shall be checked with a 500 volts megger. The minimum acceptable insulation resistance reading shall be 10 meg-ohms.
- xvi. The completed stator shall be preheated in a temperature-controlled oven to the varnish manufacturer's recommendation, not to exceed class "F" operating temperature and shall be held at this temperature for one (1) hour.
- xvii. Stator shall be allowed to cool by natural convection to the temperature required by insulation resin manufacturer prior to being dipped in insulating varnish.
- xviii. Stator shall be dipped three (3) times in insulating varnish, repeating processes of the previous two (2) bullets items each time.
- xix. Form-wound rewind stators shall go through vacuum pressure impregnation (VPI).
- xx. Baking shall be done in a temperature controlled and force ventilated oven to allow a complete and uniform cure per pump manufacturer's specifications.
- xxi. Resin shall be completely removed from the stator frame mechanical fit outer paint surfaces, and the inner bore of the stator.

M. Acceptance of Repair

- 1. Repairs:

- i. The Orange County Utilities Representative will thoroughly inspect the repaired unit before the performance test can begin. It is the responsibility to ensure communication has been established with the Orange County Utilities Representative for witnessing of the performance test.
- ii. All control sensing devices shall be checked to ensure they meet the OEM specifications. The control sensing devices shall include (but is not limited to) thermal sensors, moisture sensors, and thermistors.
- iii. Insulation resistance test shall be completed before conducting high-potential test using a 500 volt meg-ohmmeter.
- iv. Perform high-potential test of windings (new or reconditioned) as stated in EASA AR100-2010, Item 4.4 High-Potential Tests.
- v. No load test run of the submersible pump shall be performed at its highest rated voltage and frequency. Mechanical seal shall not be run dry of lubricant during testing.
- vi. The submersible pumps unit shall be securely mounted, to a leveled metal base-plate or set on standard rubber isolation pads while vibration readings are taken.
- vii. Vibration level measurements shall be taken on the completely assembled unit at the bearing housings (horizontal, axial and vertical positions) adjacent to the shaft. The vibration level shall not exceed 0.1 inches per second unfiltered. The vibration measurements shall be recorded on the final test sheet. For single vane impeller the vibration level shall not exceed 0.2 inches per second unfiltered.
- viii. If deficiencies are detected, the repair work shall be rejected and the Contractor shall make the necessary repairs, adjustments or replacements.
- ix. After corrective actions are made, the unit shall go through a new test run before the submersible pump is accepted.
- x. A typed copy of the "Repair Data Sheets" covering results of specific tests such as rotor balance, vibration measurement, electrical testing results, mechanical measurements, rewinding data, and final test sheets shall be included with the shipment of all repaired submersible pumps units, per the Orange County Utilities Rep. request.

- xi. Orange County Utilities shall not make any payment until all corrective actions are made, testing is performed and the equipment repair is accepted.

N. Quality Control Measuring Instruments

- 1. Calibration: All measuring instruments shall be calibrated regularly. The calibration records shall be available for the Orange County Utilities Representative inspection. Minimum frequency of calibration shall be annually except:
 - i. Insulation Testers: Insulation resistance testers – every six (6) months to a known resistance.
 - ii. Dimension Meters: Micrometers, vernier calipers and other dimension measuring devices – every six (6) months against a minimum grade AA gauge block set.
 - iii. Bore Gauges: Bore gauges shall be calibrated to a certified standard before and after each use.
- 2. Storage:
 - i. All measuring equipment shall be stored in a dry environment.

O. Quality Control Materials

- 1. Anti-Friction Bearings:
 - i. Anti-friction bearings shall be replaced. They shall be the same type as originally used, unless otherwise specified by Orange County Utilities Representative.
 - ii. Bearings shall be stored in their factory packaging in a clean, dry, location. The location shall be isolated from any vibration strong enough to be felt by hand.
 - iii. Solid Insulation
 - iv. Insulating materials such as slot liners, tapes and phase insulation shall meet or exceed the temperature class of the motor and shall be compatible with the resins used
 - v. Specifications for the materials shall be obtained from the material supplier and kept for checking their suitability for the application.
 - vi. The materials shall be stored in a clean, dry location. Material such as 'B' stage tape that degrades with time at room temperature shall be kept refrigerated.

vii. Resins and Varnishes:

1. The manufacturer's material specifications for resins and varnishes shall be kept on file, to permit checking for correct storage, handling and usage.
2. A sample shall have been taken and analyzed to be satisfactory within three **(3)** months of its being used on a motor.

2. Other Materials:

- i. Other materials shall be new and of good quality. In particular the following shall be confirmed:
- ii. Lead Wires: Lead wires shall be multi-stranded and flexible with insulation meeting or exceeding the temperature and voltage class of the motor.
- iii. Magnet Wire: Magnet wire for random-wound motors shall be compatible with the other insulation system components and shall be insulated with a polyamide, polyimide or a combination of both, over a polyester base coat, or equivalent. Any wire damaged in storage or working shall be replaced. The manufacturer's specifications for the insulation shall be kept on file for reference. Inverter grade wire shall be used on any motor that purchaser advises is powered by a pulse-width modulated inverter.
- iv. Lubricants:
 - a. Grease: Grease passages and pipes should be clean. Grease inlets should be equipped with fittings. Grease should be compatible with Orange County Utilities' lubricant. Open bearings should be filled with grease during assembly. In the absence of the machine manufacturer's lubrication instructions, the grease reservoir should be filled to approx. 1/3 capacity
 - b. Oil: Oil shall be compatible with Orange County Utilities' lubricant. There should be a means to determine oil level, such as an oil sight gauge.
 - c. Note: Orange County Utilities shall have the option of supplying the required lubricant or allowing the Contractor to supply the lubricant. If determined Contractor is to provide lubricant, before submitting quotes, Orange County Utilities will provide specifications for brand & type.

- d. Note: Grease and oil lubrication for all pumps, mixers, and electric motors must meet the appropriate individual division's requirements.

3. Tests and Inspections During Repair

- i. Records

Records shall be kept of all tests and inspections carried out during the repair. Signed copies of these records shall be shipped in original form, at the same time as the motor, to the designated Orange County Utilities contact person.

- ii. Access:

Orange County Utilities representative shall have access to the repair facilities at all times that repairs are being made, for the purposes of checking progress and inspecting the repairs.

P. **Final Inspection and Test**

1. For all motors over 200 HP, or when Orange County Utilities specifies, Orange County Utilities representative shall be informed when the final inspection and testing of the motor is to take place. Orange County Utilities representative shall have the right to be present to witness the test on their repaired motor.
2. All final inspection and test results shall be sent, in their original form, to the designated Orange County Utilities contact person.
3. In emergency cases, tests will not be held up waiting for Orange County Utilities representatives, but every effort shall be made to keep Orange County Utilities representative informed so that they can be present if possible.

Q. **Invoicing**

- i. All invoices shall have a complete description of work performed including the number of hours of each trade and hourly rate from the pricing section of the proposal.
- ii. All parts and materials shall be listed on the invoice with the invoiced cost and % markup shown. Original invoices for parts and materials purchased for the repair may be requested at any time by Orange County Utilities.
- iii. All invoices shall include the contract number and purchase order number in order to facilitate payment processing.

- iv. Failure to follow prescribed invoicing procedures will result in delayed payment processing without penalty to Orange County Utilities.

**BID RESPONSE FORM
IFB #Y17-136-TA**

The Contractor shall provide all labor and other resources necessary to provide the services in strict accordance with the scope of work/services defined in this solicitation for the amounts specified in this Bid Response Form, inclusive of overhead, profit and any other costs.

LOT A: WASTEWATER TREATMENT PLANT

Group 1-Electric Motor Repair Services- 600 Volt and Less

Item No.	Description	Estimated Annual Quantity	Unit of Measure	Unit Price	Extended Total
1	Shop , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	1000	Hours	x \$_____/hr	= \$_____
2	Shop , Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	40	Hours	x \$_____/hr	= \$_____
3	Field , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	100	Hours	x \$_____/hr	= \$_____
4	Field , Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	40	Hours	x \$_____/hr	= \$_____
5	Teardown & Inspection Charges (Shop) , Hourly Labor Rate	100	Hours	x \$_____/hr	= \$_____
6	Teardown & Inspection Charges (Field) , Hourly Labor Rate	100	Hours	x \$_____/hr	= \$_____

Company Name

LOT A: WASTEWATER TREATMENT PLANT, Continued

Group 2-Electric Motor Repair Services- Greater than 600 Volt

Item No.	Description	Estimated Quantity	Unit of Measure	Unit Price	Extended Total
7	Shop , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	500	Hours	x \$_____/hr	= \$_____
8	Shop , Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	40	Hours	x \$_____/hr	= \$_____
9	Field , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	100	Hours	x \$_____/hr	= \$_____
10	Field , Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	40	Hours	x \$_____/hr	= \$_____
11	Teardown & Inspection Charges (Shop) , Hourly Labor Rate	100	Hours	x \$_____/hr	= \$_____
12	Teardown & Inspection Charges (Field) , Hourly Labor Rate	100	Hours	x \$_____/hr	= \$_____

Group 3-Synchronous Motor Repair Services

13	Shop, Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	500	Hours	x \$_____/hr	= \$_____
14	Shop, Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays	40	Hours	x \$_____/hr	= \$_____
15	Field , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	500	Hours	x \$_____/hr	= \$_____

Company Name

16 **Field**, Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays. 40 Hours x \$_____/hr = \$_____

17 **Teardown & Inspection Charges (Shop)**, Hourly Labor Rate 100 Hours x \$_____/hr = \$_____

18 **Teardown& Inspection Charges (Field)**, Hourly Labor Rate 100 Hours x \$_____/hr = \$_____

Group 4-Pumps 1000 Gallons per Minute Flow Capacity or Less

19 Shop, Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday. 500 Hours x \$_____/hr = \$_____

20 Shop, Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays 40 Hours \$_____/hr = \$_____

21 Field, Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday. 100 Hours \$_____/hr = \$_____

22 Field, Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays 40 Hours \$_____/hr = \$_____

23 Teardown & Inspection Charges (Shop), Hourly Labor Rate 100 Hours \$_____/hr = \$_____

24 Teardown& Inspection Charges (Field), Hourly Labor Rate 100 Hours \$_____/hr = \$_____

Group 5-Pump with pumping capacity 1001 G.P.M. to 10,000 G.P.M.

Item No.	Description	Estimated Quantity	Unit of Measure	Unit Price	Extended Total
25	Shop , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	500	Hours	x \$_____/hr	= \$_____

26	Shop , Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	40	Hours	x \$_____/hr	= \$_____
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Company Name

27	Field , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	100	Hours	x \$ _____/hr	= \$ _____
28	Field , Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	40	Hours	x \$ _____/hr	= \$ _____
29	Teardown & Inspection Charges (Shop) , Hourly Labor Rate	100	Hours	x \$ _____/hr	= \$ _____
30	Teardown& Inspection Charges (Field) , Hourly Labor Rate	100	Hours	x \$ _____/hr	= \$ _____

Group 6-Pump with pumping capacity 10,000 GPM or greater

31	Shop, Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	500	Hours	x \$ _____/hr	= \$ _____
32	Shop, Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays	40	Hours	x \$ _____/hr	= \$ _____
33	Field , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday	100	Hours	x \$ _____/hr	= \$ _____
34	Field , Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays	40	Hours	x \$ _____/hr	= \$ _____
35	Teardown & Inspection Charges (Shop) , Hourly Labor Rate	100	Hours	X \$ _____/hr	= \$ _____
36	Teardown& Inspection Charges (Field) , Hourly Labor Rate	40	Hours	X \$ _____/hr	= \$ _____

Company Name

Group 7-Cranes, Rigging Rates, and Expedited Hourly Labor Rates

37	80 ton Crane with Operator and Rigging, Straight Time, Standard Business Hours, 7:00 A.M to 7:00 P.M., Monday- Friday.	40	Hours	X \$_____ /hr	=	\$_____
38	80 ton Crane with Operator and Rigging, Non-Standard Business Hours, 7:01 P.M. – 6:59 A.M, E.S.T., Weekends, All Day Saturday and Sunday, and Holidays.	40	Hours	X \$_____ /hr	=	\$_____
39	150 ton Crane with Operator and Rigging, Straight Time, Standard Business Hours, 7:00 A.M to 7:00 P.M., Monday-Friday.	40	Hours	X \$_____ /hr	=	\$_____
40	150 ton Crane with Operator and Rigging, Non-Standard Business Hours, 7:01 P.M. – 6:59 A.M, E.S.T., Weekends, All Day Saturday and Sunday, and Holidays.	40	Hours	X \$_____ /hr	=	\$_____
41	175 ton Crane with Operator and Rigging, Straight Time, Standard Business Hours, 7:00 A.M to 7:00 P.M., Monday-Friday.	40	Hours	X \$_____ /hr	=	\$_____
42	175 ton Crane with Operator and Rigging, Non-Standard Business Hours, 7:01 P.M. – 6:59 A.M, E.S.T., Weekends, All Day Saturday and Sunday, and Holidays.	40	Hours	X \$_____ /hr	=	\$_____
43	300 ton Crane with Operator and Rigging, Straight Time, Standard Business Hours, 7:00 A.M to 7:00 P.M., Monday-Friday.	40	Hours	X \$_____ /hr	=	\$_____
44	300 ton Crane with Operator and Rigging, Non-Standard Business Hours, 7:01 P.M. – 6:59 A.M, E.S.T., Weekends, All Day Saturday and Sunday, and Holidays.	40	Hours	X \$_____ /hr	=	\$_____
45	Expedited Shop Hourly Labor Rate, 72 hour turnaround time, for all pumps and motors identified in Lot A.	400	Hours	X \$_____ /hr	=	\$_____

Company Name

46 Expedited Shop Hourly Labor Rate, 96 hour turnaround time, for all pumps and motors identified in Lot A. 400 Hours x \$_____/hr = \$_____

47 Expedited Field Hourly Labor Rate, 72 hour turnaround time, for all pumps and motors identified in Lot A. 400 Hours x \$_____/hr = \$_____

48 Expedited Field Shop Hourly Labor Rate, 96 hour turnaround time, for all pumps and motors identified in Lot A. 400 Hours X \$_____/hr = \$_____

Group 8- Parts/Material Adjustment Line Item

49 Parts and Material Adjustment for Wastewater Division expressed as a decimal markup for parts and materials over actual cost (1+ ._____) x \$150,000= \$_____

GRAND TOTAL LOT A, LINE ITEMS 1-49 \$_____

Company Name

**BID RESPONSE FORM
IFB #Y17-136-TA**

The Contractor shall provide all labor and other resources necessary to provide the services in strict accordance with the scope of work/services defined in this solicitation for the amounts specified in this Bid Response Form, inclusive of overhead, profit and any other costs.

LOT B: WATER TREATMENT PLANT

Group 1-Electric Motor Repair Services- 600 Volt and Less

Item No.	Description	Estimated Annual Quantity	Unit of Measure	Unit Price	Extended Total
1	Shop , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	1000	Hours	x \$_____/hr	= \$_____
2	Shop , Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	75	Hours	x \$_____/hr	= \$_____
3	Field , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	750	Hours	x \$_____/hr	= \$_____
4	Field , Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	75	Hours	x \$_____/hr	= \$_____
5	Teardown & Inspection Charges (Shop) , Hourly Labor Rate	750	Hours	x \$_____/hr	= \$_____
6	Teardown & Inspection Charges (Field) , Hourly Labor Rate	750	Hours	x \$_____/hr	= \$_____

Company Name

LOT B: WATER TREATMENT PLANT, Continued

Group 2-Electric Motor Repair Services- Greater than 600 Volt

Item No.	Description	Estimated Quantity	Unit of Measure	Unit Price	Extended Total
7	Shop , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	1000	Hours	x \$_____/hr =	\$_____
8	Shop , Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	75	Hours	x \$_____/hr =	\$_____
9	Field , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	750	Hours	x \$_____/hr =	\$_____
10	Field , Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	75	Hours	x \$_____/hr =	\$_____
11	Teardown & Inspection Charges (Shop) , Hourly Labor Rate	150	Hours	x \$_____/hr =	\$_____
12	Teardown & Inspection Charges (Field) , Hourly Labor Rate	75	Hours	x \$_____/hr =	\$_____

Group 3-Synchronous Motor Repair Services

13	Shop, Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	500	Hours	x \$_____/hr =	\$_____
14	Shop, Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays	75	Hours	x \$_____/hr =	\$_____
15	Field , Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	375	Hours	x \$_____/hr =	\$_____
16	Field , Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	75	Hours	x \$_____/hr =	\$_____

Company Name

17	Teardown & Inspection Charges (Shop), Hourly Labor Rate	375	Hours	x \$_____ /hr	= \$_____
18	Teardown & Inspection Charges (Field), Hourly Labor Rate	150	Hours	x \$_____ /hr	= \$_____

Group 4-Pumps 1000 Gallons per Minute Flow Capacity or Less

19	Shop, Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	1000	Hours	x \$_____ /hr	= \$_____
20	Shop, Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays	75	Hours	\$_____ /hr	= \$_____
21	Field, Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	375	Hours	\$_____ /hr	= \$_____
22	Field, Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays	75	Hours	\$_____ /hr	= \$_____
23	Teardown & Inspection Charges (Shop), Hourly Labor Rate	375	Hours	\$_____ /hr	= \$_____
24	Teardown & Inspection Charges (Field), Hourly Labor Rate	375	Hours	\$_____ /hr	= \$_____

Group 5-Pump with pumping capacity 1001 G.P.M. to 10,000 G.P.M.

Item No.	Description	Estimated Quantity	Unit of Measure	Unit Price	Extended Total
25	Shop, Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	1500	Hours	x \$_____ /hr	= \$_____
26	Shop, Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	75	Hours	x \$_____ /hr	= \$_____
27	Field, Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday.	375	Hours	x \$_____ /hr	= \$_____
28	Field, Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays.	75	Hours	x \$_____ /hr	= \$_____

Company Name

- 29 **Teardown & Inspection Charges (Shop)**, Hourly Labor Rate 375 Hours x \$_____/hr = \$_____
- 30 **Teardown & Inspection Charges (Field)**, Hourly Labor Rate 375 Hours x \$_____/hr = \$_____

Group 6-Pump with pumping capacity 10,000 GPM or greater

- 31 Shop, Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday. 250 Hours x \$_____/hr = \$_____
- 32 Shop, Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays 75 Hours x \$_____/hr = \$_____
- 33 **Field**, Hourly Labor Rates, Straight Time Hours, 7:00 A.M through 7:00 P.M, Monday through Friday 375 Hours x \$_____/hr = \$_____
- 34 **Field**, Hourly Labor Rate, Non Standard Business Hours, 7:01 P.M through 6:59 A.M, weekends, all day Saturday and Sunday, or during County observed holidays 75 Hours x \$_____/hr = \$_____
- 35 **Teardown & Inspection Charges (Shop)**, Hourly Labor Rate 750 Hours X \$_____/hr = \$_____
- 36 **Teardown & Inspection Charges (Field)**, Hourly Labor Rate 375 Hours X \$_____/hr = \$_____

Group 7- Rigging and Crane Rates, Expedited Hourly Labor Rates

- 37 80 ton Crane with Operator and Rigging, Straight Time, Standard Business Hours, 7:00 A.M to 7:00 P.M., Monday- Friday. 100 Hours X \$_____/hr = \$_____
- 38 80 ton Crane with Operator and Rigging, Non-Standard Business Hours, 7:01 P.M. – 6:59 A.M, E.S.T., Weekends, All Day Saturday and Sunday, and Holidays. 40 Hours X \$_____/hr = \$_____

Company Name

39	150 ton Crane with Operator and Rigging, Straight Time, Standard Business Hours, 7:00 A.M to 7:00 P.M., Monday-Friday.	100	Hours	X \$_____ /hr	= \$_____
40	150 ton Crane with Operator and Rigging, Non-Standard Business Hours, 7:01 P.M. – 6:59 A.M, E.S.T., Weekends, All Day Saturday and Sunday, and Holidays.	40	Hours	X \$_____ /hr	= \$_____
41	175 ton Crane with Operator and Rigging, Straight Time, Standard Business Hours, 7:00 A.M to 7:00 P.M., Monday-Friday.	100	Hours	X \$_____ /hr	= \$_____
42	175 ton Crane with Operator and Rigging, Non-Standard Business Hours, 7:01 P.M. – 6:59 A.M, E.S.T., Weekends, All Day Saturday and Sunday, and Holidays.	40	Hours	X \$_____ /hr	= \$_____
43	300 ton Crane with Operator and Rigging, Straight Time, Standard Business Hours, 7:00 A.M to 7:00 P.M., Monday-Friday.	100	Hours	X \$_____ /hr	= \$_____
44	300 ton Crane with Operator and Rigging, Non-Standard Business Hours, 7:01 P.M. – 6:59 A.M, E.S.T., Weekends, All Day Saturday and Sunday, and Holidays.	40	Hours	X \$_____ /hr	= \$_____
45	Expedited Shop Hourly Labor Rate, 72 hour turnaround time, for all pumps and motors in Lot B	40	Hours	x \$_____ /hr	= \$_____
46	Expedited Shop Hourly Labor Rate, 96 hour turnaround time, for all pumps and motors in Lot B.	40	Hours	x \$_____ /hr	= \$_____
47	Expedited Field Hourly Labor Rate, 72 hour turnaround time, for all pumps and motors in Lot B	40	Hours	x \$_____ /hr	= \$_____
48	Expedited Field Hourly Labor Rate, 96 hour turn around time, for all pumps and motors in Lot B	40	Hours	x \$_____ /hr	= \$_____

Company Name

Group 8- Parts/Material Adjustment Line Item

49 Parts and Material Adjustment (1+ ._____) x \$25,000= \$_____

for Water Division expressed as a
decimal markup for parts and
materials over actual cost

GRAND TOTAL LOT B, LINE ITEMS 1-49 \$_____

Company Name

IMPORTANT NOTE: When completing your bid, do not attach any forms which may contain terms and conditions that conflict with those listed in the County's bid documents(s). Inclusion of additional terms and conditions such as those which may be on your company's standard forms shall result in your bid being declared non-responsive as these changes will be considered a counteroffer to the County's bid.

Inquiries regarding this Invitation for Bids may be directed to Tracy Attenasio, Purchasing Agent, at Tracy.Attenasio@ocfl.net

Bid Response Documents - The following documents constitute your bid:

- A. Bid Response Form, Authorized Signatories/Negotiators, Drug-Free Workplace, Schedule of Sub-contracting, Conflict/Non-Conflict of Interest Form, E-Verification Certification, and current W9, Relationship Disclosure Form and Orange County Specific Project Expenditure Report. **Please make sure forms are fully executed where required.**
- B. **Qualifications of Bidders information (Items A-J) and Attachment C, per Special Terms and Conditions.**
- C. **Completed attached reference documentation.**

THE FOLLOWING SECTION MUST BE COMPLETED BY ALL BIDDERS:

Company Name: _____

NOTE: COMPANY NAME MUST MATCH LEGAL NAME ASSIGNED TO TIN NUMBER. CURRENT W9 MUST BE SUBMITTED WITH BID.

TIN#: _____ D-U-N-S® # _____

(Street No. or P.O. Box Number) (Street Name) (City)

(County) (State) (Zip Code)

Contact Person: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

EMERGENCY CONTACT

Emergency Contact Person: _____

Telephone Number: _____ Cell Phone Number: _____

Residence Telephone Number: _____ Email: _____

ACKNOWLEDGEMENT OF ADDENDA

The Bidder shall acknowledge receipt of any addenda issued to this solicitation by completing the blocks below or by completion of the applicable information on the addendum and returning it not later than the date and time for receipt of the bid. Failure to acknowledge an addendum that has a material impact on this solicitation may negatively impact the responsiveness of your bid. Material impacts include but are not limited to changes to scope of work/services, delivery time, performance period, quantities, bonds, letters of credit, insurance, or qualifications.

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

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

AUTHORIZED SIGNATORIES/NEGOTIATORS

The Bidder represents that the following **principals** are authorized to sign bids, negotiate and/or sign contracts and related documents to which the bidder will be duly bound. Principal is defined as an employee, officer or other technical or professional in a position capable of substantially influencing the development or outcome of an activity required to perform the covered transaction.

Name	Title	Telephone Number/Email

_____	_____
(Signature)	(Date)

(Title)	

(Name of Business)	

The Bidder shall complete and submit the following information with the bid:

Type of Organization

Sole Proprietorship Partnership Non-Profit
 Joint Venture Corporation

State of Incorporation: _____

Principal Place of Business (Florida Statute Chapter 607): _____
City/County/State

THE PRINCIPAL PLACE OF BUSINESS SHALL BE THE ADDRESS OF THE BIDDER'S PRINCIPAL OFFICE AS IDENTIFIED BY THE FLORIDA DIVISION OF CORPORATIONS.

Federal I.D. number is _____

REFERENCES

Bidder shall have a minimum of three (3) satisfactory references for similar accounts and size completed within the last five (5) years. Using the attached reference sheets, Bidder to provide the following information:

1. Brief description of the size of account including estimated contract dollar.
2. Type of services provided including pump, motor, and gearbox reconditioning/rewinding services, diagnostic services, motor and pump related parts and repair services.
3. The facility shop(s) location that serviced the account.
4. Start/end dates of contract, names, addresses, email addresses, and telephone numbers of the owners within the last five (5) years by completing the attached reference sheets.

Reference # 1

1. Company Name: _____

Company Address: _____

Project Manager's Name: _____

Contact Phone Number: _____

Contact Email Address: _____

Description of services provided: _____

Check all that apply:

- pump, motor, and gearbox reconditioning and rewinding services
- Motor diagnostic and repair services
- pump diagnostic repair services

Estimated Contract Amount : \$ _____

Repair Shop Location and address that serviced account:

Reference # 2

2. Company Name: _____

Company Address: _____

Project Manager's Name: _____

Contact Phone Number: _____

Contact Email Address: _____

Description of services provided: _____

Check all that apply:

pump, motor, and gearbox reconditioning and rewinding services

Motor diagnostic and repair services

pump diagnostic repair services

Estimated Contract Amount : \$ _____

Repair Shop Location and address that serviced account:

Reference # 3

3. Company Name: _____

Company Address: _____

Project Manager's Name: _____

Contact Phone Number: _____

Contact Email Address: _____

Description of services provided: _____

Check all that apply:

pump, motor, and gearbox reconditioning and rewinding services

Motor diagnostic and repair services

pump diagnostic repair services

Estimated Contract Amount : \$ _____

Repair Shop Location and address that serviced account:

DRUG-FREE WORKPLACE FORM

The undersigned Bidder, in accordance with Florida Statute 287.087 hereby certifies that _____ does:

Name of Business

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, employee assistance programs and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in Paragraph 1.
4. In the statement specified in Paragraph 1, notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Florida Statute 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of Paragraphs 1 thru 5.

As the person authorized to sign this statement, I certify that this firm complies fully with above requirements.

Bidder's Signature

Date

SCHEDULE OF SUBCONTRACTING
IFB NO. Y17 -136-TA

As specified in the General Terms and Conditions and the Bid Preference Clause in the Special Terms and Conditions, bidders are to present the details of subcontractor participation.

Name Of Subcontractor	Is the Sub-Contractor a Certified M/WBE with Orange County Government?	Address	Type of Work to be Performed	Percent and dollar amount of Contract Amount to be Subcontracted

Company Name: _____

CONFLICT/NON-CONFLICT OF INTEREST STATEMENT

CHECK ONE

[] To the best of our knowledge, the undersigned bidder has no potential conflict of interest due to any other clients, contracts, or property interest for this project.

OR

[] The undersigned bidder, by attachment to this form, submits information which may be a potential conflict of interest due to other clients, contracts, or property interest for this project.

LITIGATION STATEMENT

CHECK ONE

[] The undersigned bidder has had no litigation and/or judgments entered against it by any local, state or federal entity and has had no litigation and/or judgments entered against such entities during the past ten (10) years.

[] The undersigned bidder, **BY ATTACHMENT TO THIS FORM**, submits a summary and disposition of individual cases of litigation and/or judgments entered by or against any local, state or federal entity, by any state or federal court, during the past ten (10) years.

COMPANY NAME

AUTHORIZED SIGNATURE

NAME (PRINT OR TYPE)

TITLE

Failure to check the appropriate blocks above may result in disqualification of your bid. Likewise, failure to provide documentation of a possible conflict of interest, or a summary of past litigation and/or judgments, may result in disqualification of your bid.

E VERIFICATION CERTIFICATION

Contract No.Y17-136-TA

I hereby certify that I will utilize the U.S. Department of Homeland Security's E-Verify system in accordance with the terms governing the use of the system to confirm the employment eligibility of the individuals classified below. In accordance with s. 837.06, Florida Statutes, I understand and acknowledge that whoever knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his or her official duties shall be guilty of a misdemeanor in the second degree, punishable as provided in s. 775.082 or s. 775.083, Florida statutes.

All persons, including subcontractors and their workforce, who will perform work under **Contract No.Y17-136-TA, Electric Motor and Pump Repair Services**, within the state of Florida.

NAME OF CONTRACTOR: _____

ADDRESS OF CONTRACTOR: _____

AUTHORIZED SIGNATURE: _____

TITLE: _____

DATE: _____

**RELATIONSHIP DISCLOSURE FORM
FOR USE WITH PROCUREMENT ITEMS, EXCEPT THOSE WHERE THE COUNTY
IS THE PRINCIPAL OR PRIMARY PROPOSER**

For procurement items that will come before the Board of County Commissioners for final approval, this form shall be completed by the Bidder and shall be submitted to the Procurement Division by the Bidder.

In the event any information provided on this form should change, the Bidder must file an amended form on or before the date the item is considered by the appropriate board or body.

Part I

INFORMATION ON BIDDER:

Legal Name of Bidder:

Business Address (Street/P.O. Box, City and Zip Code):

Business Phone: () _____

Facsimile: () _____

**INFORMATION ON BIDDER'S AUTHORIZED AGENT, IF APPLICABLE:
(Agent Authorization Form also required to be attached)**

Name of Bidder's Authorized Agent:

Business Address (Street/P.O. Box, City and Zip Code):

Business Phone: () _____

Facsimile: () _____

Part II

IS THE BIDDER A RELATIVE OF THE MAYOR OR ANY MEMBER OF THE BCC?

___ **YES** ___ **NO**

IS THE MAYOR OR ANY MEMBER OF THE BCC THE BIDDER'S EMPLOYEE?

___ **YES** ___ **NO**

IS THE BIDDER OR ANY PERSON WITH A DIRECT BENEFICIAL INTEREST IN THE OUTCOME OF THIS MATTER A BUSINESS ASSOCIATE OF THE MAYOR OR ANY MEMBER OF THE BCC?

___ **YES** ___ **NO**

If you responded "YES" to any of the above questions, please state with whom and explain the relationship.

(Use additional sheets of paper if necessary)

Part III

ORIGINAL SIGNATURE AND NOTARIZATION REQUIRED

I hereby certify that information provided in this relationship disclosure form is true and correct based on my knowledge and belief. If any of this information changes, I further acknowledge and agree to amend this relationship disclosure form prior to any meeting at which the above-referenced project is scheduled to be heard. In accordance with s. 837.06, Florida Statutes, I understand and acknowledge that whoever knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his or her official duty shall be guilty of a misdemeanor in the second degree, punishable as provided in s. 775.082 or s. 775.083, Florida Statutes.

Signature of Bidder

Date

Printed Name and Title of Person completing this form:

STATE OF _____ :
COUNTY OF _____ :

I certify that the foregoing instrument was acknowledged before me this _____ day of _____, 20__ by _____. He/she is personally known to me or has produced _____ as identification and did/did not take an oath.

Witness my hand and official seal in the county and state stated above on the _____ day of _____, in the year _____.

(Notary Seal)

Signature of Notary Public
Notary Public for the State of _____
My Commission Expires: _____

Staff signature and date of receipt of form

Staff reviews as to form and does not attest to the accuracy or veracity of the information provided herein.

FREQUENTLY ASKED QUESTIONS (FAQ)
ABOUT THE
RELATIONSHIP DISCLOSURE FORM
Updated 6-28-11

WHAT IS THE RELATIONSHIP DISCLOSURE FORM?

The Relationship Disclosure Form (form OC CE 2D and form OC CE 2P) is a form created pursuant to the County's Local Code of Ethics, codified at Article XIII of Chapter 2 of the Orange County Code, to ensure that all development-related items and procurement items presented to or filed with the County include information as to the relationship, if any, between the applicant and the County Mayor or any member of the Board of County Commissioners (BCC). The form will be a part of the backup information for the applicant's item.

WHY ARE THERE TWO RELATIONSHIP DISCLOSURE FORMS?

Form OC CE 2D is used only for development-related items, and form OC CE 2P is used only for procurement-related items. The applicant needs to complete and file the form that is applicable to his/her case.

WHO NEEDS TO FILE THE RELATIONSHIP DISCLOSURE FORM?

Form OC CE 2D should be completed and filed by the owner of record, contract purchaser, or authorized agent. Form OC CE 2P should be completed and filed by the bidder, offeror, quoter, or respondent, and, if applicable, their authorized agent. In all cases, the person completing the form must sign the form and warrant that the information provided on the form is true and correct.

WHAT INFORMATION NEEDS TO BE DISCLOSED ON THE RELATIONSHIP DISCLOSURE FORM?

The relationship disclosure form needs to disclose pertinent background information about the applicant and the relationship, if any, between, on the one hand, the applicant and, if applicable, any person involved with the item, and on the other hand, the Mayor or any member of the BCC.

In particular, the applicant needs to disclose whether any of the following relationships exist: (1) the applicant is a business associate of the Mayor or any member of the BCC; (2) any person involved with the approval of the item has a beneficial interest in the outcome of the matter *and* is a business associate of the Mayor or any member of the BCC; (3) the applicant is a relative of the Mayor or any member of the BCC; or (4) the Mayor or any member of the BCC is an employee of the applicant. (See Section 2-454, Orange County Code.)

HOW ARE THE KEY RELEVANT TERMS DEFINED?

Applicant means, for purposes of a development-related project, the owner, and, if applicable, the contract purchaser or owner's authorized agent. Applicant means, for purposes of a procurement item, the bidder, offeror, quoter, respondent, and, if applicable, the authorized agent of the bidder, offeror, quoter, or respondent.

Business associate means any person or entity engaged in or carrying on a business enterprise with a public officer, public employee, or candidate as a partner, joint venture, corporate shareholder where the shares of such corporation are not listed on any national or regional stock exchange, or co-owner of property. In addition, the term

includes any person or entity engaged in or carrying on a business enterprise, or otherwise engaging in common investment, with a public officer, public employee, or candidate as a partner, member, shareholder, owner, co-owner, joint venture partner, or other investor, whether directly or indirectly, whether through a Business Entity or through interlocking Parent Entities, Subsidiary Entities, or other business or investment scheme, structure, or venture of any nature. (See Section 112.312(4), Florida Statutes, and Section 2-452(b), Orange County Code.)

Employee means any person who receives remuneration from an employer for the performance of any work or service while engaged in any employment under any appointment or contract for hire or apprenticeship, express or implied, oral or written, whether lawfully or unlawfully employed, and includes, but is not limited to, aliens and minors. (See Section 440.02(15), Florida Statutes.)

Relative means an individual who is related to a public officer or employee as father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, son-in-law, daughter-in-law, brother-in-law, sister-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half-brother, half-sister, grandparent, great grandparent, grandchild, great grandchild, step grandparent, step great grandparent, step grandchild, step great grandchild, person who is engaged to be married to the public officer or employee or who otherwise holds himself or herself out as or is generally known as the person whom the public officer or employee intends to marry or with whom the public officer or employee intends to form a household, or any other natural person having the same legal residence as the public officer or employee. (See Section 112.312(21), Florida Statutes.)

DOES THE RELATIONSHIP DISCLOSURE FORM NEED TO BE UPDATED IF INFORMATION CHANGES?

Yes. It remains a continuing obligation of the applicant to update this form whenever any of the information provided on the initial form changes.

WHERE DO THE RELATIONSHIP DISCLOSURE FORM AND ANY SUBSEQUENT UPDATES NEED TO BE FILED?

For a development-related item, the Relationship Disclosure Form and any update need to be filed with the County Department or County Division where the applicant filed the application. For a procurement item, the Relationship Disclosure Form and any update need to be filed with the Procurement Division.

WHEN DO THE RELATIONSHIP DISCLOSURE FORM AND ANY UPDATES NEED TO BE FILED?

In most cases, the initial form needs to be filed when the applicant files the initial development-related project application or initial procurement-related forms. However, with respect to a procurement item, a response to a bid will not be deemed unresponsive if this form is not included in the initial packet submitted to the Procurement Division.

If changes are made after the initial filing, the final, cumulative Relationship Disclosure Form needs to be filed with the appropriate County Department or County Division processing the application not less than seven (7) days prior to the scheduled BCC agenda date so that it may be incorporated into the BCC agenda packet. When the matter is a discussion agenda item or is the subject of a public hearing, and an update has not been made at least 7 days prior to BCC meeting date or is not included in the

BCC agenda packet, the applicant is obligated to verbally present such update to the BCC when the agenda item is heard or the public hearing is held. When the matter is a consent agenda item and an update has not been made at least 7 days prior to the BCC meeting or the update is not included in the BCC agenda packet, the item will be pulled from the consent agenda to be considered at a future meeting.

WHO WILL REVIEW THE INFORMATION DISCLOSED ON THE RELATIONSHIP DISCLOSURE FORM AND ANY UPDATES?

The information disclosed on this form and any updates will be a public record as defined by Chapter 119, Florida Statutes, and may therefore be inspected by any interested person. Also, the information will be made available to the Mayor and the BCC members. This form and any updates will accompany the information for the applicant's project or item.

However, for development-related items, if an applicant discloses the existence of one or more of the relationships described above and the matter would normally receive final consideration by the Concurrency Review Committee or the Development Review Committee, the matter will be directed to the BCC for final consideration and action following committee review.

CONCLUSION:

We hope you find this FAQ useful to your understanding of the Relationship Disclosure Form. Please be informed that if the event of a conflict or inconsistency between this FAQ and the requirements of the applicable ordinance or law governing relationship disclosures, the ordinance or law controls.

Also, please be informed that the County Attorney's Office is not permitted to render legal advice to an applicant or any other outside party. Accordingly, if the applicant or an outside party has any questions after reading this FAQ, he/she is encouraged to contact his/her own legal counsel.

ORANGE COUNTY SPECIFIC PROJECT EXPENDITURE REPORT

This lobbying expenditure form shall be completed in full and filed with all application submittals. This form shall remain cumulative and shall be filed with the department processing your application. Forms signed by a principal's authorized agent shall include an executed Agent Authorization Form.

This is the initial Form: _____

This is a Subsequent Form: _____

Part I

Please complete all of the following:

Name and Address of Principal (legal name of entity or owner per Orange County tax rolls):

Name and Address of Principal's Authorized Agent, if applicable: _____

List the name and address of all lobbyists, Contractors, contractors, subcontractors, individuals or business entities who will assist with obtaining approval for this project. (Additional forms may be used as necessary.)

1. Name and address of individual or business entity: _____
Are they registered Lobbyist? Yes ___ or No ___

2. Name and address of individual or business entity: _____
Are they registered Lobbyist? Yes ___ or No ___

3. Name and address of individual or business entity: _____
Are they registered Lobbyist? Yes ___ or No ___

4. Name and address of individual or business entity: _____
Are they registered Lobbyist? Yes ___ or No ___

5. Name and address of individual or business entity: _____
Are they registered Lobbyist? Yes ___ or No ___

6. Name and address of individual or business entity: _____
Are they registered Lobbyist? Yes ___ or No ___

7. Name and address of individual or business entity: _____
Are they registered Lobbyist? Yes ___ or No ___

8. Name and address of individual or business entity: _____
Are they registered Lobbyist? Yes ___ or No ___

Part II

Expenditures:

For this report, an "expenditure" means money or anything of value given by the principal and/or his/her lobbyist for the purpose of lobbying, as defined in section 2-351, Orange County Code. This may include public relations expenditures including, but not limited to, petitions, fliers, purchase of media time, cost of print and distribution of publications. However, the term "expenditure" **does not** include:

- Contributions or expenditures reported pursuant to chapter 106, Florida Statutes;
- Federal election law, campaign-related personal services provided without compensation by individuals volunteering their time;
- Any other contribution or expenditure made by or to a political party;
- Any other contribution or expenditure made by an organization that is exempt from taxation under 26 U.S.C. s. 527 or s. 501(c)(4), in accordance with s.112.3215, Florida Statutes; and/or
- Professional fees paid to registered lobbyists associated with the project or item.

The following is a complete list of all lobbying expenditures and activities (including those of lobbyists, contractors, Contractors, etc.) incurred by the principal or his/her authorized agent and expended in connection with the above-referenced project or issue. **You need not include de minimus costs (under \$50) for producing or reproducing graphics, aerial photographs, photocopies, surveys, studies or other documents related to this project.**

Date of Expenditure	Name of Party Incurring Expenditure	Description of Activity	Amount Paid
TOTAL EXPENDED THIS REPORT			\$

FREQUENTLY ASKED QUESTIONS (FAQ)
ABOUT THE
SPECIFIC PROJECT EXPENDITURE REPORT
Updated 3-1-11

WHAT IS A SPECIFIC PROJECT EXPENDITURE REPORT (SPR)?

A Specific Project Expenditure Report (SPR) is a report required under Section 2-354(b) of the Orange County Lobbying Ordinance, codified at Article X of Chapter 2 of the Orange County Code, reflecting all lobbying expenditures incurred by a principal and their authorized agent(s) and the principal's lobbyist(s), contractor(s), subcontractor(s), and Contractor(s), if applicable, for certain projects or issues that will ultimately be decided by the Board of County Commissioners (BCC).

Matters specifically exempt from the SPR requirement are ministerial items, resolutions, agreements in settlement of litigation matters in which the County is a party, ordinances initiated by County staff, and some procurement items, as more fully described in 2.20 of the Administrative Regulations.

Professional fees paid by the principal to his/her lobbyist for the purpose of lobbying need not be disclosed on this form. (See Section 2-354(b), Orange County Code.)

WHO NEEDS TO FILE THE SPR?

The principal or his/her authorized agent needs to complete and sign the SPR and warrant that the information provided on the SPR is true and correct.

A principal that is a governmental entity does not need to file an SPR.

HOW ARE THE KEY RELEVANT TERMS DEFINED?

Expenditure means "a payment, distribution, loan, advance, reimbursement, deposit, or anything of value made by a lobbyist or principal for the purpose of lobbying. This may include public relations expenditures (including but not limited to petitions, flyers, purchase of media time, cost of print and distribution of publications) but does not include contributions or expenditures reported pursuant to Chapter 106, Florida Statutes, or federal election law, campaign-related personal services provided without compensation by individuals volunteering their time, any other contribution or expenditure made by or to a political party, or any other contribution or expenditure made by an organization that is exempt from taxation under 26 U.S.C. s. 527 or s. 501(c)(4)." (See Section 112.3215, Florida Statutes.) Professional fees paid by the principal to his/her lobbyist for the purpose of lobbying are not deemed to be "expenditures." (See Section 2-354, Orange County Code.)

Lobbying means seeking "to encourage the approval, disapproval, adoption, repeal, rescission, passage, defeat or modification of any ordinance, resolution, agreement, development permit, other type of permit, franchise, vendor, Contractor, contractor, recommendation, decision or other foreseeable action of the [BCC]," and "include[s] all communications, regardless of whether initiated by the lobbyist or by the person being lobbied, and regardless of whether oral, written or electronic." (See Section 2-351, Orange County Code.) Furthermore, *lobbying* means communicating "directly with the County Mayor, with any other member of the [BCC], or with any member of a procurement committee." (See Section 2-351, Orange County Code.) *Lobbying* also means communicating "indirectly with the County Mayor or any other member of the

[BCC]" by communicating with any staff member of the Mayor or any member of the BCC, the county administrator, any deputy or assistant county administrator, the county attorney, any county department director, or any county division manager. (See Section 2-351, Orange County Code.) *Lobbying* does not include the act of appearing before a Sunshine Committee, such as the Development Review Committee or the Roadway Agreement Committee other than the BCC.

Principal means "the person, partnership, joint venture, trust, association, corporation, governmental entity or other entity which has contracted for, employed, retained, or otherwise engaged the services of a lobbyist." *Principal* may also include a person, partnership, joint venture, trust, association, corporation, limited liability corporation, or other entity where it or its employees do not qualify as a lobbyist under the definition set forth in Section 2-351 of the Orange County Code but do perform lobbying activities on behalf of a business in which it has a personal interest.

DOES THE SPR NEED TO BE UPDATED IF INFORMATION CHANGES?

Yes. It remains a continuing obligation of the principal or his/her authorized agent to update the SPR whenever any of the information provided on the initial form changes.

WHERE DO THE SPR AND ANY UPDATES NEED TO BE FILED?

The SPR needs to be filed with the County Department or County Division processing the application or matter. If and when an additional expenditure is incurred subsequent to the initial filing of the SPR, an amended SPR needs to be filed with the County Department or County Division where the original application, including the initial SPR, was filed.

WHEN DO THE SPR AND ANY UPDATES NEED TO BE FILED?

In most cases, the initial SPR needs to be filed with the other application forms. The SPR and any update must be filed with the appropriate County Department or County Division not less than seven (7) days prior to the BCC hearing date so that they may be incorporated into the BCC agenda packet. (See Section 2-354(b), Orange County Code.) When the matter is a discussion agenda item or is the subject of a public hearing, and any additional expenditure occurs less than 7 days prior to BCC meeting date or updated information is not included in the BCC agenda packet, the principal or his/her authorized agent is obligated to verbally present the updated information to the BCC when the agenda item is heard or the public hearing is held. When the matter is a consent agenda item and an update has not been made at least 7 days prior to the BCC meeting or the update is not included in the BCC agenda packet, the item will be pulled from the consent agenda to be considered at a future meeting.

WHO WILL BE MADE AWARE OF THE INFORMATION DISCLOSED ON THE SPR AND ANY UPDATES?

The information disclosed on the SPR and any updates will be a public record as defined by Chapter 119, Florida Statutes, and therefore may be inspected by any interested person. Also, the information will be made available to the Mayor and the BCC members. This information will accompany the other information for the principal's project or item.

CONCLUSION:

We hope you find this FAQ useful to your understanding of the SPR. Please be informed that in the event of a conflict or inconsistency between this FAQ and the requirements of the applicable ordinance governing specific project expenditure reports, the ordinance controls.

Also, please be informed that the County Attorney's Office is not permitted to render legal advice to a principal, his/her authorized agent, or any other outside party. Accordingly, if after reading this FAQ the principal, his/her authorized agent or an outside party has any questions, he/she is encouraged to contact his/her own legal counsel.

AGENT AUTHORIZATION FORM

I/We, (Print Bidder name) _____, Do hereby authorize (print agent's name), _____, to act as my/our agent to execute any petitions or other documents necessary to affect the CONTRACT approval PROCESS more specifically described as follows, (IFB NUMBER AND TITLE) _____, and to appear on my/our behalf before any administrative or legislative body in the county considering this CONTRACT and to act in all respects as our agent in matters pertaining TO THIS CONTRACT.

Signature of Bidder

Date

STATE OF _____ :
COUNTY OF _____ :

I certify that the foregoing instrument was acknowledged before me this _____ day of _____, 20__ by _____. He/she is personally known to me or has produced _____ as identification and did/did not take an oath.

Witness my hand and official seal in the county and state stated above on the _____ day of _____, in the year _____.

(Notary Seal)

Signature of Notary Public
Notary Public for the State
of _____
My Commission
Expires: _____

EXHIBIT A

LEASED EMPLOYEE AFFIDAVIT

I affirm that an employee leasing company provides my workers' compensation coverage. I further understand that my contract with the employee leasing company limits my workers' compensation coverage to enrolled worksite employees only. My leasing arrangement does not cover un-enrolled worksite employees, independent contractors, uninsured sub-contractors or casual labor exposure.

I hereby certify that 100% of my workers are covered as worksite employees with the employee leasing company. I certify that I do not hire any casual or uninsured labor outside the employee leasing arrangement. I agree to notify the County in the event that I have any workers not covered by the employee leasing workers' compensation policy. In the event that I have any workers not subject to the employee leasing arrangement, I agree to obtain a separate workers' compensation policy to cover these workers. I further agree to provide the County with a certificate of insurance providing proof of workers' compensation coverage prior to these workers entering any County jobsite.

I further agree to notify the County if my employee leasing arrangement terminates with the employee leasing company and I understand that I am required to furnish proof of replacement workers' compensation coverage prior to the termination of the employee leasing arrangement.

I certify that I have workers' compensation coverage for all of my workers through the employee leasing arrangement specified below:

Name of Employee Leasing Company: _____

Workers' Compensation Carrier: _____

A.M. Best Rating of Carrier: _____

Inception Date of Leasing Arrangement: _____

I further agree to notify the County in the event that I switch employee-leasing companies. I recognize that I have an obligation to supply an updated workers' compensation certificate to the County that documents the change of carrier.

Name of Contractor: _____

Signature of Owner/Officer: _____

Title: _____ Date: _____



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<p>PRODUCER</p> <p>1. Name of Agent or Broker Street Address City, State, Zip</p>	<p>CONTACT NAME:</p> <p>PHONE (A/C, No, Ext): FAX (A/C, No):</p> <p>E-MAIL ADDRESS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 80%;">INSURER(S) AFFORDING COVERAGE</th> <th style="width: 20%;">NAIC #</th> </tr> <tr> <td>INSURER A :</td> <td></td> </tr> <tr> <td>INSURER B :</td> <td></td> </tr> <tr> <td>INSURER C : 3.</td> <td></td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A :		INSURER B :		INSURER C : 3.		INSURER D :		INSURER E :		INSURER F :	
INSURER(S) AFFORDING COVERAGE	NAIC #														
INSURER A :															
INSURER B :															
INSURER C : 3.															
INSURER D :															
INSURER E :															
INSURER F :															
<p>INSURED</p> <p>2. Name of Insured Street Address City, State, Zip</p>															

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADOL INS	SUBR WVD	POLICY NUMBER	POLICY EXP (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	8. LIMITS
3.	<p>GENERAL LIABILITY</p> <p><input type="checkbox"/> COMMERCIAL GENERAL LIABILITY</p> <p><input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR</p> <p>GENL AGGREGATE LIMIT APPLIES PER:</p> <p><input type="checkbox"/> POLICY <input type="checkbox"/> PER SUBJECT <input type="checkbox"/> LOC</p>	4.	5.	6.	7.		<p>EACH OCCURRENCE \$</p> <p>DAMAGE TO RENTED PREMISES (Ea occurrence) \$</p> <p>MED EXP (Any one person) \$</p> <p>PERSONAL & ADV INJURY \$</p> <p>GENERAL AGGREGATE \$</p> <p>PRODUCTS - COMP/OP AGG \$</p>
	<p>AUTOMOBILE LIABILITY</p> <p>9.</p> <p><input type="checkbox"/> ANY AUTO</p> <p><input type="checkbox"/> ALL OWNED AUTOS</p> <p><input type="checkbox"/> SCHEDULED AUTOS</p> <p><input type="checkbox"/> HIRED AUTOS</p> <p><input type="checkbox"/> NON-OWNED AUTOS</p>						<p>COMBINED SINGLE LIMIT (Ea accident) \$</p> <p>BODILY INJURY (Per person) \$</p> <p>BODILY INJURY (Per accident) \$</p> <p>PROPERTY DAMAGE (Per accident) \$</p>
	<p>UMBRELLA LIAB <input type="checkbox"/> OCCUR</p> <p>EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE</p> <p>DED RETENTION \$</p>						<p>EACH OCCURRENCE \$</p> <p>AGGREGATE \$</p>
	<p>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</p> <p>10. Y/N N/A</p> <p>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)</p> <p>If yes, describe under DESCRIPTION OF OPERATIONS below</p>						<p>WC STATUTORY LIMITS OTHER \$</p> <p>E.L. EACH ACCIDENT \$</p> <p>E.L. DISEASE - EA EMPLOYEE \$</p> <p>E.L. DISEASE - POLICY LIMIT \$</p>
11.							

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Orange County Government is additionally insured on the General Liability Policy. A waiver of subrogation applies in favor of Orange County Government, it's agents, employees, and officials on the Worker's Compensation Policy.

<p>CERTIFICATE HOLDER</p> <p>13. Orange County Board of County Commissioners Procurement Division 400 E. South Street Orlando, Florida 32801</p>	<p>CANCELLATION</p> <p>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</p> <p>AUTHORIZED REPRESENTATIVE</p> <p>14.</p>
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ORANGE COUNTY CERTIFICATE OF INSURANCE REVIEW GUIDE

1. **PRODUCER:** Agent's name and address must be shown along with contact name phone, fax, and email address.
2. **INSURED:** Legal name and address of the entity entering into the contract or agreement
3. **INSURERS AFFORDING COVERAGE & NAIC #:** Name of the insurance company that is insuring the line of coverage. The INSURER and applicable letter will be used throughout the certificate to indicate the lines of coverage placed with a particular insurance company. A letter must be shown in the INSUR L TR section for each coverage line listed on the certificate.
4. **ADDL INSR:** Signifies whether coverage includes additional insured status. Very few agents use this section. Additional insured status is usually discussed in the Description of Operations/Locations/Vehicles section.
5. **SUBR WVD:** Signifies that a waiver of subrogation is in valid for each line of coverage as indicated.
6. **POLICY NUMBER:** A policy number should be listed for each line of coverage for which commercial insurance is being provided.
7. **POLICY EFFECTIVE/EXPIRA TJON DATES:** Effective and expiration dates should fall within the time frame of the inception of the contract or agreement.
8. **LIMITS:** As required in the written agreement. The general aggregate should be at least twice the per occurrence limit for all continuing service contracts. If the aggregate limit applies separately then the PROJECT box should be marked.
9. **AUTOMOBILE LIABILITY:** The ANY AUTO box is preferable however; some organizations do not own vehicles so the other boxes may be marked.
10. **WORKERS' COMPENSATION:** Look closely to see if any proprietor, partner, or executive officer is excluded. If so, please contact Risk Management for waiver approval. The WC STATUTORY LIMITS box must be selected.
11. **OTHER:** This section is used for other coverage such as professional liability and employee dishonesty. The same rules apply with regards to policy numbers, effective and expiration dates and limits.
12. **DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES:** This section typically contains any special or qualifying language such as additional insured status or waivers of subrogation. If additional space is needed an ACORD 101 should be attached. Please note that these certificates are for information only and do not confer any rights upon the certificate holder. This is why we also ask for the specific policy language or endorsement specifying that these provisions are in place.
13. **CERTIFICATE HOLDER:** Orange County Board of County Commissioners should be listed as the certificate holder. Individual departments and divisions should not be listed as the primary certificate holder.
14. **AUTHORIZED REPRESENTATIVE:** This section should contain the signature of the person authorized to issue the certificate on behalf of the insurance company.

EXHIBIT B

COMMERCIAL GENERAL LIABILITY
CG 20 26 07 04

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY

**ADDITIONAL INSURED – DESIGNATED
PERSON OR ORGANIZATION**

This endorsement modifies Insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)
<i>The following are additional insured under the Professional Liability section of this policy (already included under the GL by form #86571).</i>
YOUR MEDICAL DIRECTORS AND ADMINISTRATORS, INCLUDING PROFESSIONAL PERSONS, BUT ONLY WHILE ACTING WITHIN THE SCOPE OF THEIR DUTIES FOR THE NAMED INSURED AS MEDICAL DIRECTORS AND ADMINISTRATORS;
AN INDEPENDENT CONTRACTOR IS AN INSURED ONLY FOR THE CONDUCT OF YOUR BUSINESS AND SOLELY WHILE PERFORMING SERVICES FOR A CLIENT OF THE NAMED INSURED, BUT SOLELY WITHIN THE SCOPE OF SERVICES CONTEMPLATED BY THE NAMED INSURED;
STUDENTS IN TRAINING WHILE PREFORMING DUTIES AS INSTRUCTED BY THE NAMED INSURED;
ANY ENTITY YOU ARE REQUIRED IN A WRITTEN CONTRACT (HEREINAFTER CALLED ADDITIONAL INSURED) TO NAME AS AN INSURED IS AN INSURED BUT ONLY WITH RESPECT TO LIABILITY ARISING OUT OF YOUR PREMISES OR OPERATIONS:
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for “bodily Injury”, “property damage” or “personal and advertising injury” caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

- A. In the performance of your ongoing operations; or
- B. In connection with your premises owned by or rented to you.

EXHIBIT C

POLICY NUMBER: _____ COMMERCIAL GENERAL LIABILITY
THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY

**ADDITIONAL INSURED – DESIGNATED
PERSON OR ORGANIZATION**

This endorsement modifies Insurance provided under the following:

**COMMERCIAL GENERAL LIABILITY COVERAGE PART
SCHEDULE**

Name Of Additional Insured Person(s) Or Organization(s)
ORANGE COUNTY BOARD OF COUNTY COMMISSIONERS ATTN: PROCUREMENT DIVISION 400 E. SOUTH STREET, 2 nd FLOOR ORLANDO, FL 32801
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for “bodily Injury”, “property damage” or “personal and advertising injury” caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

- A. In the performance of your ongoing operations; or
- B. In connection with your premises owned by or rented to you.

EXHIBIT D

WORKERS COMPENSTION AND EMPLOYEES LIABILITY
INSURANCE POLICY WC 00 03 13

2ND Reprint

Effective April 1, 1984

Advisory

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

Name of Person or Organization:

ORANGE COUNTY BOARD OF COUNTY COMMISSIONERS
ATTN: PROCUREMENT DIVISION
400 E. SOUTH STREET, 2ND FLOOR
ORLANDO, FL 32801

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EXHIBIT E

POLICY NUMBER:

**COMMERCIAL GENERAL LIABILITY
CG 24 04 10 93**

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies Insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name of Person or Organization:

ORANGE COUNTY BOARD OF COUNTY COMMISSIONERS
ATTN: PROCUREMENT DIVISION
400 E. SOUTH STREET, 2nd FLOOR
ORLANDO, FL 32801

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

The TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US Condition (Section IV – COMMERCIAL GENERAL LIABILITY CONDITIONS) is amended by the addition of the following:

We waive any right to recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or “your work” done under a contract with that person or organization and included in the “Products-completed operations hazard”. This waiver applies only to the person or organization shown in the Schedule above.

item	Facility	MAXIMO Location	Manufacturer	ID or Model Number	HP	RPM	Volts	Amps	Frame
1	BNR 1 IRP1	200015359	BALDOR	MA44-2932-2730	75	590	480	112	447T
2	BNR 1 IRP2	200015360	BALDOR	MA44-2932-2730	75	590	480	112	447T
3	BNR 2 IRP 1	200015361	BALDOR	MA44-2932-2730	75	590	480	112	447T
4	BNR 2 IRP 2	200015362	BALDOR	MA44-2932-2730	75	590	480	112	447T
5	BNR 3 IRP 1	200015363	BALDOR	MA44-2932-2730	75	590	480	112	447T
6	BNR 3 IRP 2	200015364	BALDOR	MA44-2932-2730	75	590	480	112	447T
7	RAS 1	90007	BALDOR	MA36-2414-0998	30	890	460	39.3	364T
8	RAS 2	90008	BALDOR	MA36-2414-0998	30	890	460	39.3	364T
9	RAS 3	90009	BALDOR	MA36-2414-0998	30	890	460	39.3	364T
10	RAS 4	90010	BALDOR	MA36-2414-0998	30	890	460	39.3	364T
11	RAS 5	90011	BALDOR	MA36-2414-0998	30	890	460	39.3	364T
12	RAS 6	900012	BALDOR	MA36-2414-0998	30	890	460	39.3	364T
13	S. GRIT 1	109831	BROOK HANSEN	LR69304	15	1180	460	36.9	284T
14	S. GRIT 2	109832	BROOK HANSEN	LR69304	15	1180	460	36.9	284T
15	N. GRIT 1	200017027	BROOK HANSEN	LR69304	15	1180	460	36.9	284T
16	N. GRIT 2	200017028	BROOK HANSEN	LR69304	15	1180	460	36.9	284T
17	LS PUMP 1	20017176	FLYGT	SUBMERSIBLE	30		460		
18	LS PUMP 2	171376	FLYGT	SUBMERSIBLE	30		460		
19	LS PUMP 3	186443	FLYGT	SUBMERSIBLE	30		460		
20	REUSE pump 6	110053	US MOTOR	VERTICAL CENTRIFIC	100	1700	460	119.7	KS
21	REUSE pump 7	110054	US MOTOR	VERTICAL CENTRIFIC	100	1700	460	119.7	KS
22	VETLAND PUMP	160183	US MOTOR	VERTICAL CENTRIFIC	100	1700	460	119.7	KS
23	VETLAND PUMP 9		US MOTOR	VERTICAL CENTRIFIC	100	1700	460	119.7	KS
24	VETLAND PUMP1	160181	US MOTOR	VERTICAL CENTRIFIC	100	1700	460	119.7	KS
25	RIB PUMP 1	109814	GE	VERTICAL CENTRIFIC	50	1770	460	116.6	326.VR TE
26	RIB PUMP 2	109826	GE	VERTICAL CENTRIFIC	50	1770	460	116.6	326.VR TE
27	RIB PUMP 3	109827	GE	VERTICAL CENTRIFIC	50	1770	460	116.6	326.VR TE
28	RIB PUMP 4	109828	GE	VERTICAL CENTRIFIC	50	1770	460	116.6	326.VT TE
29	RIB PUMP 5	117137	GE	VERTICAL CENTRIFIC	50	1770	460	116.6	326.VR TE
30	PAR PUMP 1	172627		VERTICAL CENTRIFIC					
31	PAR PUMP 2	172878		VERTICAL CENTRIFIC					
32	PAR PUMP 3	172829		VERTICAL CENTRIFIC					

Northwest Water Reclamation Facility
701 West McCormick Road
Apopka, Florida 32703

item	Facility	MAXIMO Location	Manufacturer	Model Number	Size	Type
1	BNR 1 PUMP 1	200015359	WEMCO	L20K-SS-L-245M	20X20	HIDROSTAL
2	BNR 1 PUMP 2	200015360	WEMCO	L20K-SS-L-245M	20X20	HIDROSTAL
3	BNR 2PUMP 1	200015361	WEMCO	L20K-SS-L-245M	20X20	HIDROSTAL
4	BNR 2 PUMP 2	200015362	WEMCO	L20K-SS-L-245M	20X20	HIDROSTAL
5	BNR 3PUMP 1	200015363	WEMCO	L20K-SS-L-245M	20X20	HIDROSTAL
6	BNR 3 PUMP 2	200015364	WEMCO	L20K-SS-L-245M	20X20	HIDROSTAL
7	RAS 1	90000	WEMCO	H8K-H-H2SM	10X8	HIDROSTAL
8	RAS 2	90001	WEMCO	H8K-H-H2SM	10X8	HIDROSTAL
9	RAS 3	90002	WEMCO	H8K-H-H2SM	10X8	HIDROSTAL
10	RAS 4	90004	WEMCO	H8K-H-H2SM	10X8	HIDROSTAL
11	RAS 5	90005	WEMCO	H8K-H-H2SM	10X8	HIDROSTAL
12	RAS 6	90006	WEMCO	H8K-H-H2SM	10X8	HIDROSTAL
13	S.GRIT 1	118496	HAYWARD GORDON	XRU -12		CENTRIFC
14	S.GRIT 2	118497	HAYWARD GORDON	XRU -12		CENTRIFC
15	N. GRIT 1	200017029	HAYWARD GORDON	XRU -12		CENTRIFC
16	N. GRIT 2	200017030	HAYWARD GORDON	XRU -12		CENTRIFC
17	REUSE pump 6	110051	INGERSOL DRESSE	14KKL-3		VERTICAL TURB
18	REUSE pump 7	110052	INGERSOL DRESSE	14KKL-3		VERTICAL TURB
19	WETLAND PUMP 8	160184	WEIR	VTP	DKH	VERTICAL TURB
20	WETLAND PUMP 9	17331	WEIR	VTP	DKH	VERTICAL TURB
21	WETLAND PUMP10	160186	WEIR	VTP	DKH	VERTICAL TURB
22	RIB PUMP 1	109825	GOULDS	VIT		VERTICAL TURB
23	RIB PUMP 2	109821	GOULDS	VIT		VERTICAL TURB
24	RIB PUMP 3	109822	GOULDS	VIT		VERTICAL TURB
25	RIB PUMP 4	109823	GOULDS	VIT		VERTICAL TURB
26	RIB PUMP 5	117134	INGERSOIL DRESSE	VIT		VERTICAL TURB
27	PAR PUMP 1	172617	IDEAL	12RL86		VERTICAL TURB
28	PAR PUMP 2	172622	IDEAL	12RL86		VERTICAL TURB
29	PAR PUMP 3	172829	IDEAL	12RL86		VERTICAL TURB

Eastern Water Reclamation Facility
1621 South Alafay Trail
Orlando Florida 32825

item	Facility	MAXIMO Location	Plant Location	Manufacturer	ID or Model Number	Serial number	HP	RPM	Volts	Amps	Frame
1	EWRWF		Ferm. 1	Teco Westinghouse		P6071044003	15	1765	230/460	35/17.5	254T
2	EWRWF	13788	Ferm. 1	Sumitomo	CWJ-6205Y-29						
3	EWRWF		Ferm.2	Baldor	841XL	6388572464	3	1755	460	92	182tc
4	EWRWF	13840	Ferm.2	Philadelphia		15UBM177					
5	EWRWF		IRP 1	Emerson		J0320006086-100R-03	60	505	460	92	449T
6	EWRWF	13976	IRP 1	Morris	20X20-21.4V2	9809533					
7	EWRWF		IRP 2	Emerson		10320006086-100R-04	60	505	460	92	449T
8	EWRWF	13977	IRP 2	Morris	20X20-21-4V2	9809533					
9	EWRWF		IRP 3	Emerson		J320006086-100R-02	60	505	460	92	449T
10	EWRWF	13978	IRP 3	Morris	20X20-21-4V2	9809533					
11	EWRWF		IRP 4	Emerson		J0320006086-100R-01	60	505	460	92	449T
12	EWRWF	13979	IRP 4	Morris	20X20-21-4V2	9809533					
13	EWRWF		Aerator 1	Reliance		01MAN85674C001RC	150	1785	460	165	445LP
14	EWRWF	13768	Aerator 1	Flender	043-212-563-12						
15	EWRWF		Aerator 2	Reliance		1MAF74430C00104	150	1785	460	165	445LP
16	EWRWF	13769	Aerator 2	Flender		3033775119-10-1					
17	EWRWF		First Anox 1	Marathon	NVH254TTFCA6028		15	1770	460	18.5	254T
18	EWRWF	13767	First Anox 1	Sumitomo	CWJ-6205Y-29	VA0428900					
19	EWRWF		First Anox 2	Negnema	0158ET3E2547C-N22		15	1765	460	18	254TC
20	EWRWF	13735	First Anox 2	Sumitomo	CWJ-6205Y-29	VA0314376					
21	EWRWF		Aerator 3	Reliance		1MAF4430C0030V	15	1785	460	165	445LF
22	EWRWF	13770	Aerator 3	Flender		D437212-563-1-1					
23	EWRWF		First Anox 3	Baldor		066885X24064	3	1755	460	4.1	18LTC
24	EWRWF	13797	First Anox 3	Philadelphia		15UB0178					
25	EWRWF		First Anox 4	Baldor		066885X24064	3	1755	460	4.1	18LTC
26	EWRWF	13791	First Anox 4	Philadelphia		15VBM0179					
27	EWRWF	13771	Aerator 4	Reliance		1MAF74430G002Q4	150	1785	460	165	445LP
28	EWRWF		Aerator 4	Flender		307812-1-1					
29	EWRWF		2nd Anoxic 1	Sew Euro drive		850225469.09.09.010	3	1720	460	4.3	
30	EWRWF		2nd Anoxic 1	Sew Euro drive		890225477.09.09.010					
31	EWRWF		2nd Anoxic 2	Baldor		06885X24064	3	1755	460	401	18LTC
32	EWRWF		2nd Anoxic 2	Philadelphia		SUBMO182					
33	EWRWF		RAS 1	Morris	Mm-27314						
34	EWRWF		RAS 1	Marathon	J404TSTFS8151A		20	585	460	31	404TSD
35	EWRWF		RAS 2	Morris	M-27313						
36	EWRWF		RAS 2	Marathon	M40415TFS3151A		20	585	460	31	404TSD
37	EWRWF		Clarifier 1	Nord drive	201201823-100	18517141					
38	EWRWF		Clarifier 1	Nord drive	201201823-100	18507671	1	1650	460	18	
39	EWRWF		Clarifier 2	Nord drive	201201823-100	18517144					
40	EWRWF		Clarifier 2	Nord drive	201201823-100	18507672	1	1650	460	18	
41	EWRWF		RAS 5	Pentair	16-2470947-5						
42	EWRWF		RAS 5	Nidec	5705176-100		20	885	460	26	324T
43	EWRWF		RAS 6	Pentair	16-2470947-6						
44	EWRWF		RAS 6	Nidec	15705176-100		20	885	460	26	324T
45	EWRWF		RAS 4	Pentair	16-2470947-4						
46	EWRWF		RAS 4	Nidec	15705176-100		20	885	460	26	324T
47	EWRWF		WAS 1	Pentair	16-2470903-1						
48	EWRWF		WAS 1	Nidec	15705175-100		5	1165	460	6.8	215T
49	EWRWF		WAS 2	Pentair	16-2470903-2						
50	EWRWF		WAS 2	Nidec	15705175-100		5	1165	460	6.8	215T
51	EWRWF		Clarifier 3	Nord drive	201201823-100	18517143					
52	EWRWF		Clarifier 3	Nord drive	2011201823-100	18507667	1	1860	460	18	

Eastern Water Reclamation Facility
1621 South Alafaya Trail
Orlando Florida 32828

Item	Facility	MAXIMO Location	Plant Location	Manufacturer	ID or Model Number	Serial number	HP	RPM	Volts	Amps	Frame
1	EWRP		Ferm. 1	Teco Westinghouse		P6071044003	15	1765	230/460	35/17.5	254T
2	EWRP		Ferm.2	Baldor	841XL	6388572464	3	1755	460	92	182tc
3	EWRP		IRP 1	Emerson		J0320006086-100R-03	60	505	460	92	449T
4	EWRP		IRP 2	Emerson		10320006086-100R-04	60	505	460	92	449T
5	EWRP		IRP 3	Emerson		J320006086-100R-02	60	505	460	92	449T
6	EWRP		IRP 4	Emerson		J0320006086-100R-01	60	505	460	92	449T
7	EWRP		Aerator 1	Reliance		01MAN85674C001RC	150	1785	460	165	445LP
8	EWRP		Aerator 2	Reliance		1MAF74430C00104	150	1785	460	165	445LP
9	EWRP		First Anox 1	Marathon	NVH254TTFCA6028		15	1770	460	18.5	254T
10	EWRP		First Anox 2	Negnema	0158ET3E2547C-N22		15	1765	460	18	254TC
11	EWRP		Aerator 3	Reliance		1MAF4430C0030V	15	1785	460	165	445LF
12	EWRP		First Anox 3	Baldor		066885X24064	3	1755	460	4.1	18LTC
13	EWRP		First Anox 4	Baldor		066885X24064	3	1755	460	4.1	18LTC
14	EWRP	13771	Aerator 4	Reliance		1MAF74430G002Q4	150	1785	460	165	445LP
15	EWRP		2nd Anoxic 1	Sew Euro drive		850225469.09.09.010	3	1720	460	4.3	
16	EWRP		2nd Anoxic 2	Baldor		06885X24064	3	1755	460	401	18LTC
17	EWRP		RAS 1	Marathon	J404TSTFS8151A		20	585	460	31	404TSD
18	EWRP		RAS 2	Marathon	M40415TFS3151A		20	585	460	31	404TSD
19	EWRP		Clarifier 1	Nord drive	201201823-100	18507671	1	1650	460	18	
20	EWRP		Clarifier 2	Nord drive	201201823-100	18507672	1	1650	460	18	
21	EWRP		RAS 5	Nidec	5705176-100		20	885	460	26	324T
22	EWRP		RAS 6	Nidec	15705176-100		20	885	460	26	324T
23	EWRP		RAS 4	Nidec	15705176-100		20	885	460	26	324T
24	EWRP		WAS 1	Nidec	15705175-100		5	1165	460	6.8	215T
25	EWRP		WAS 2	Nidec	15705175-100		5	1165	460	6.8	215T
26	EWRP		Clarifier 3	Nord drive	2011201823-100	18507667	1	1860	460	18	
27	EWRP		Clarifier 4	Nord drive	18507670		1	1650	460	18	
28	EWRP		Effluent 1	US	15702146-100		25	1760	460	31	284VPH2
29	EWRP		Effluent 2	US	7034426R29	7227288B2	25	1750	460	28	28VPH2
30	EWRP		Effluent 3	US	06679628-100		25	1750	460	31	28VPH2
31	EWRP		Effluent 4	US	R2113116	J2170302	25	1750	460	33	28VPH2
32	EWRP		Effluent 5	US	07684438-100		25	1760	460	31	284VPH2
33	EWRP		Effluent 6	US	07687232-100		25	1760	460	31	284VPH2
34	EWRP		Effluent 7	US			25	1765	460	32	284VPH2
35	EWRP		Clarifier 7	US			1	1745	460	1.8	143T
36	EWRP		Clarifier 8	US			1	1745	460	1.8	143T
37	EWRP		RAS 8	US	11714249-100		40	890	460	53	365T
38	EWRP		RAS 9	Reliance	1MOF12721-G2-YJ		40	705	460	54.5	405T
39	EWRP		WAS 1 new at cl7	Nidec	15705175-100		5	1165	460	13.6	215T
40	EWRP		WAS 2 new at cl8	Nidec	15705175-100		5	1165	460	13.6	215T

Eastern Water Reclamation Facility
 1621 South Alafaya Trail
 Orlando Florida 32828

item	Facility	MAXIMO Location	Manufacturer	Model Number	Size	Type
1	EWRf	13976	IRP 1	Morris	20X20-21.4V2	9809533
2	EWRf	13977	IRP 2	Morris	20X20-21-4V2	9809533
3	EWRf	13978	IRP 3	Morris	20X20-21-4V2	9809533
4	EWRf	13979	IRP 4	Morris	20X20-21-4V2	9809533
5	EWRf		RAS 1	Morris	Mm-27314	
6	EWRf		RAS 2	Morris	M-27313	
7	EWRf		RAS 5	Pentair	16-2470947-5	
8	EWRf		RAS 6	Pentair	16-2470947-6	
9	EWRf		RAS 4	Pentair	16-2470947-4	
10	EWRf		WAS 1	Pentair	16-2470903-1	
11	EWRf		Effluent 1	Peerless /Goulds	12DHHO 1	OR513960
12	EWRf		Effluent 2	Goulds	102DHH01	OR500649
13	EWRf		Effluent 3	Goulds	12FD1C-15T9	OR610807
14	EWRf		Effluent 4	Goulds	12FD1C-15T9	OR559435
15	EWRf		Effluent 5	Goulds	12DHO-1	OR522802
16	EWRf		Effluent 6	Goulds	12FD1C	OR555919
17	EWRf		Effluent 7	Goulds	12FDHC-15TG	OR678499
18	EWRf		RAS 8	Morse	2197834	
19	EWRf		RAS 9	Morse	M-27316	
20	EWRf		WAS 1 new at cl7	Pentair	16-2470906-1	
21	EWRf		WAS 2 new at cl8	Pentair	16-2470906-2	

South Water Reclamation Facility
4760 W. Sand Lake Road
Orlando Florida 32819

item	Facility	MAXIMO Location	Manufacturer	ID or Model Number	HP	RPM	Volts	Amps	Frame
1	SWRF	SOUTH EAST CLARIFIER RAS #1(MOTOR)	DYNAMATIC	40684453-008	100	885	460	136	445TDZ
2	SWRF	SOUTH EAST CLARIFIER RAS #2(MOTOR)	DYNAMATIC	40684453-008	100	885	460	136	445TDZ
3	SWRF	SOUTH EAST CLARIFIERRAS #3(MOTOR)	DYNAMATIC	40684453-008	100	885	460	136	445TDZ
4	SWRF	SOUTH EAST CLARIFIER WAS#1(MOTOR)	BALDOR.RELIANCER	EM2334T	20	1765	230/460	48/24	256T
5	SWRF	SOUTH EAST CLARIFIER WAS#2(MOTOR)	BALDOR.RELIANCER	EM2334T	20	1765	230/460	48/24	256T
6	SWRF	SOUTH WEST CLARIFIER RAS#1(MOTOR)	US.ELECTRICAL MOTOR	E06 00041777-100R	100	712	460	135	449T
7	SWRF	SOUTH WEST CLARIFIER RAS#2(MOTOR)	US.ELECTRICAL MOTOR	E06 00041777-100R	100	712	460	135	449T
8	SWRF	SOUTH WEST CLARIFIER RAS#3(MOTOR)	US.ELECTRICAL MOTOR	E06 00041777-100R	100	712	460	135	449T
9	SWRF	SOUTH WEST CLARIFIER WAS#1(MOTOR)	US.ELECTRICAL MOTOR	E05 00041650-100R	25	1180	460	29.5	324T
10	SWRF	SOUTH WEST CLARIFIER WAS#2(MOTOR)	US.ELECTRICAL MOTOR	E05 00041650-100R	25	1180	460	29.5	324T
11	SWRF	SOUTH WEST CLARIFIER SCUM PUMP #1	FLYGT	3127.181-0620384	7.4KW	1755	460/230	9.4/19A	
12	SWRF	SOUTH WEST CLARIFIER SCUM PUMP #2	FLYGT	3127.180-0270129	6.4KW	1750	460/230	8.2/16	
13	SWRF	NORTH PLANT CLARIFIER RAS #1(MOTOR)	US.ELECTRICAL MOTOR	601 01053209-100R	75	500	460	111	449T
14	SWRF	NORTH PLANT CLARIFIER RAS #2(MOTOR)	US.ELECTRICAL MOTOR	601 01053209-100R	75	500	460	111	449T
15	SWRF	NORTH PLANT CLARIFIER RAS #3(MOTOR)	US.ELECTRICAL MOTOR	601 01053209-100R	75	500	460	111	449T
16	SWRF	NORTH PLANT CLARIFIER WAS#1(MOTOR)	US.ELECTRICAL MOTOR	W0114744199-0001	20	1175	460	24.1	286TS
17	SWRF	NORTH PLANT CLARIFIER WAS#2(MOTOR)	US.ELECTRICAL MOTOR	W0114744199-0001	20	1175	460	24.1	286TS
18	SWRF	NORTH PLANT CLARIFIER SCUM PUMP #1	FLYGT	3127.181-0880232	7.5KW-10HP	1735	460/230	13/25	
19	SWRF	NORTH PLANT CLARIFIER SCUM PUMP #2	FLYGT	3127.185-1560034	7.5KW-10HP	1720	460/230	13/25	
20	SWRF	EFFLUENT PUMP # 1(MOTOR)	GE MOTORS	5KVF84453436502	1000	1185	4160 max	123	8445P42
21	SWRF	EFFLUENT PUMP # 2(MOTOR)	GE MOTORS	5KVF84453436502	1000	1185	4160 max	123	8445P42
22	SWRF	EFFLUENT PUMP # 3(MOTOR)	GE MOTORS	5KVF84453436502	1000	1185	4160 max	123	8445P42
23	SWRF	EFFLUENT PUMP # 4(MOTOR)	GE MOTORS	5KVF84453436502	1000	1185	4160 max	123	8445P42
24	SWRF	EFFLUENT PUMP # 5(MOTOR)	GE MOTORS	5KVF84453436502	1000	1185	4160 max	123	8445P42
25	SWRF	EFFLUENT PUMP # 6(MOTOR)	GE MOTORS	5KVF84453436502	1000	1185	4160 max	123	8445P42
26	SWRF	IMFLUENT PUMP #1 (MOTOR)	US MOTORS(THE TITAN LINE)	604475	250	600	460	120KVR	5809P
27	SWRF	IMFLUENT PUMP #3 (MOTOR)	US MOTORS(THE TITAN LINE)	604475	250	600	460	120KVR	5809P
28	SWRF	IMFLUENT PUMP # 4 (MOTOR)	US MOTORS(THE TITAN LINE)	604475	250	600	460	120KVR	5809P
29	SWRF	IMFLUENT PUMP # 6 (MOTOR)	US MOTORS(THE TITAN LINE)	604475	250	600	460	120KVR	5809P
30	SWRF	PT BUILDING GRIT PUMP # 1(MOTOR)	BALDOR.RELIANCE	EM3774T	10	1760	230/460	25/12.5	215T
31	SWRF	PT BUILDING GRIT PUMP # 2(MOTOR)	BALDOR.RELIANCE	EM3774T	10	1760	230/460	25/12.5	215T
32	SWRF	ETP SOUTH #1 (MOTOR)	INDUSTRIAS IEM	VSSWPI751295	150	1776	460	168	444TP
33	SWRF	ETP SOUTH #2 (MOTOR)	INDUSTRIAS IEM	VSSWPI751295	150	1776	460	168	444TP
34	SWRF	ETP SOUTH #3 (MOTOR)	INDUSTRIAS IEM	VSSWPI751295	150	1776	460	168	444TP

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35	SWRF	ETP SOUTH #4 (MOTOR)	INDUSTRIAS IEM	VSSWPI751295	150	1776	460	168	444TP
36	SWRF	ETP NORTH #1 (MOTOR)	US MOTORS	G13516	150	1780	460	176	444TP
37	SWRF	ETP NORTH #2 (MOTOR)	US MOTORS	G13516	150	1780	460	176	444TP
38	SWRF	ETP NORTH #3 (MOTOR)	US MOTORS	G13516	150	1780	460	176	444TP
39	SWRF	ETP NORTH #4 (MOTOR)	US MOTORS	G13516	150	1780	460	176	444TP
40	SWRF	DIGESTER CHOPPER PUMP 1A(MOTOR)	WESTINGHOUSE MOTORS	PDH07504TE2	75	1775	230/460	171/85.5	365T
41	SWRF	DIGESTER CHOPPER PUMP 1B(MOTOR)	WESTINGHOUSE MOTORS	PDH07504TE2	75	1775	230/460	171/85.5	365T
42	SWRF	DIGESTER CHOPPER PUMP 2A(MOTOR)	WESTINGHOUSE MOTORS	PDH07504TE2	75	1775	230/460	171/85.5	365T
43	SWRF	DIGESTER CHOPPER PUMP 2B(MOTOR)	WESTINGHOUSE MOTORS	PDH07504TE2	75	1775	230/460	171/85.5	365T
44	SWRF	DIGESTER CHOPPER PUMP 3A(MOTOR)	WESTINGHOUSE MOTORS	PDH07504TE2	75	1775	230/460	171/85.5	365T
45	SWRF	DIGESTER CHOPPER PUMP 3B(MOTOR)	WESTINGHOUSE MOTORS	PDH07504TE2	75	1775	230/460	171/85.5	365T
46	SWRF	DIGESTER CHOPPER PUMP 4A(MOTOR)	WESTINGHOUSE MOTORS	PDH07504TE2	75	1775	230/460	171/85.5	365T
47	SWRF	DIGESTER CHOPPER PUMP 4B(MOTOR)	WESTINGHOUSE MOTORS	PDH07504TE2	75	1775	230/460	171/85.5	365T
48	SWRF	DIGESTER LOBE PUMP 1A(MOTOR)	NORD	NM16632020/0319	10	1735	230/460	25.8/12.9	132M
49	SWRF	DIGESTER LOBE PUMP 1B(MOTOR)	NORD	NM16632020/0319	10	1735	230/460	25.8/12.9	132M
50	SWRF	DIGESTER LOBE PUMP 2A(MOTOR)	NORD	NM16632020/0319	10	1735	230/460	25.8/12.9	132M
51	SWRF	DIGESTER LOBE PUMP 2B(MOTOR)	NORD	NM16632020/0319	10	1735	230/460	25.8/12.9	132M
52	SWRF	DIGESTER LOBE PUMP 3A(MOTOR)	NORD	NM16632020/0319	10	1735	230/460	25.8/12.9	132M
53	SWRF	DIGESTER LOBE PUMP 3B(MOTOR)	NORD	NM16632020/0319	10	1735	230/460	25.8/12.9	132M
54	SWRF	DIGESTER LOBE PUMP 4A(MOTOR)	NORD	NM16632020/0319	10	1735	230/460	25.8/12.9	132M
55	SWRF	DIGESTER LOBE PUMP 4B(MOTOR)	NORD	NM16632020/0319	10	1735	230/460	25.8/12.9	132M
56	SWRF	BFP FEED PUMP #1(MOTOR)	EMERSON MOTOR	G03 02154163 100	10	1755	230/460	23.8/11.9	215TC
57	SWRF	BFP FEED PUMP #2(MOTOR)	EMERSON MOTOR	G03 02154163 100	10	1755	230/460	23.8/11.9	215TC
58	SWRF	BFP FEED PUMP #3(MOTOR)	EMERSON MOTOR	G03 02154163 100	10	1755	230/460	23.8/11.9	215TC
59	SWRF	BFP FEED PUMP #4(MOTOR)	EMERSON MOTOR	G03 02154163 100	10	1755	230/460	23.8/11.9	215TC
60	SWRF	ABW#1 BACK WASH PUMP	FLYGT	CP-3102.181	5	1750	460	14	
61	SWRF	ABW#1 WASH PUMP	FLYGT	CP-3102.181	5	1750	460	14	
62	SWRF	ABW#2 BACK WASH PUMP	FLYGT	CP-3102.181	5	1750	460	14	
63	SWRF	ABW#2 WASH PUMP	FLYGT	CP-3102.181	5	1750	460	14	
64	SWRF	ABW#3 BACK WASH PUMP	FLYGT	CP-3102.181	5	1750	460	14	
65	SWRF	ABW#3 WASH PUMP	FLYGT	CP-3102.181	5	1750	460	14	
66	SWRF	ABW#4 BACK WASH PUMP	FLYGT	CP-3102.181	5	1750	460	14	
67	SWRF	ABW#4 WASH PUMP	FLYGT	CP-3102.181	5	1750	460	14	

Reclaimed Water High Service Pump Stations

item	Facility	MAXIMO Location	Manufacturer	ID or Model Number	HP	RPM	Volts	Amps	Frame
1	Hidden Springs	Motor #3	Emerson Motor Company	12-20081200	200	Inverter Duty 180-1800	460	222	h445vp
2	Hidden Springs	Pump #3	American Marsh Pumps	14hc		1760			
3	Hidden Springs	Motor #2	Emerson Motor Company	0769009-100	100	Inverter Duty 180-1800	460	113	404vp
4	hidden springs	Pump #2	American Marsh Pumps	12hc		1760			
5	Hidden Springs	Motor #1	Emerson Motor Company	h117690009-0001	100	Inverter Duty 180-1800	460	113	404vp
6	Hidden Springs	Pump #1	American Marsh Pumps	12hc		1760			
7	Orange Tree	Motor #1	US Electrical Motors	h15409	60	Inverter Duty 180-1800	460	68	365vp
8	Orange Tree	Pump #1	Aurora Pumps	96-13708-2		1750			
9	Orange Tree	Motor #2	US Electrical Motors	h15409	60	Inverter Duty 180-1800	460	68	365vp
10	Orange Tree	Pump #2	Aurora Pumps	96-13708-2		1750			
11	Orange Tree	Motor #3	US Electrical Motors	h15407	20	Inverter Duty 360-3600	460		284vpz
12	Orange Tree	Pump #3	Aurora Pumps	96-13708		3500			
13	Bay Hill	Motor #3	US Electrical Motors	h15408	20	Inverter Duty 360-3600	230 /460	52.4 /26.2	284vpz
14	Bay Hill	Pump #3	Aurora Pumps	04-1070614		1750			
15	Bay Hill	Motor #2	US Electrical Motors	h15408	75	Inverter Duty 180-1800	460		405vp
16	Bay Hill	Pump #2	Aurora Pumps	00-164751		1750			
17	Bay Hill	Motor #1	US Electrical Motors	h15408	75	Inverter Duty 180-1800	460		405vp
18	Bay Hill	Pump #1	Aurora Pumps	96-13708-1		1750			
19	Meadow Woods	Motor #1	General Electric AC Motor	5k326al115d1	60	3555	230 /460	137.8 /68.9	326ts
20	Meadow Woods	Pump #1	Worthington Pumps	4lp10g					
21	Meadow Woods	Motor #2	General Electric AC Motor	5k326al115d1	60	3555	230 /460	137.8 /68.9	326ts

Reclaimed Water High Service Pump Stations

22	Meadow Woods	Pump #2	Worthington Pumps	4lp10g					
23	Meadow Woods	Motor #3	General Electric AC Motor	5k404al205c	100	1780	230 /460	244 /122	404t
24	Meadow Woods	Pump #3	Worthington Pumps	6lr13					
25	Meadow Woods	Motor #4	General Electric AC Motor	5k404al205c	100	1780	230 /460	244 /122	404t
26	Meadow Woods	Pump #4	Worthington Pumps	6lr13					

Attachment B- Water Treatment Plant's Equipment List

Pumps East

Plant Location Manufacturer Model Number Size Type

ER

HSP #1	Fairbanks	2857100AW		Vertical
HSP #2	Fairbanks	2857100AW		Vertical
HSP #3	Fairbanks	27ENM-3		Vertical
HSP #4	Fairbanks	27ENM-3		Vertical
HSP #5	Fairbanks	2857100AW		Vertical
HSP #6	Fairbanks	2857100AW		Vertical

Well #1	Goulds	451283		Vertical
Well #2	Goulds	14FHO-2516		Vertical
Well #3	Goulds	449759		Vertical
Well #4	Goulds	14FHCSIC		Vertical
Well #5	Fairbanks			Vertical
Well #6	Fairbanks			Vertical
Well #7	Goulds	DWT-FT		Vertical
Well #8	Goulds	DWT-FT		Vertical
Well #9	Goulds	DWT-FT		Vertical
Well #10	Goulds	DWT-FT		Vertical
Well #11	Goulds	DWT-FT		Vertical
Well #12	Goulds	DWT-FT		Vertical
Well #13	Goulds	DWT-FT		Vertical
Well #14	Goulds	DWT-FT		Vertical
Well #15	Goulds	DWT-FT		Vertical
Well #16	Goulds	DWT-FT		Vertical

Trans #1	Flowserve	H00134		Vertical
Trans #2	Flowserve	H00134		Vertical
Trans #3	Flowserve	H00134		Vertical
Trans #4	Flowserve	JBE-14		Vertical
Trans #5	Flowserve	JBE-14		Vertical

AQC Lift Station #1				
AQC Lift Station #2				

Sanitary Lift Station #1				
Sanitary Lift Station #2				

Bonneville

HSP #1	Peerless	BAE179		Split Case
HSP #2	Patterson			Split Case
HSP #3	Peerless	8AE17		Split Case
HSP #4	Patterson			Split Case
HSP #5	Peerless	8AE17 Q		Split Case
HSP #6	Peerless	8AE17 Q		Split Case

ESA

HSP #1	Peerless	8AE15G		Split Case
HSP #2	Peerless	8AE15G		Split Case
HSP #3	Peerless	6AE14		Split Case
HSP #4	Peerless	6AE14		Split Case

ASR	Well #1	Fairbanks			
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Motors East

Plant	Location	Manufacturer	ID or Model Number	HP	RPM	VOLTS	AMP	FRAME
Eastern Regional	HSP #1	US MOTORS	H00128	600	890	460	732	
	HSP #2	US MOTORS	H128	600	890	460	732	
	HSP #3	US MOTORS	HVE-14	600	890	460	732	
	HSP #4	US MOTORS	HVE-14	600	890	460	732	
	HSP #5	US MOTORS	H00128	600	890	460	732	
	HSP #6	US MOTORS	H00128	600	890	460	732	
	Well #1	US MOTORS	RVE-4	150	1785	460	170	444VP
	Well #2	US MOTORS	RVE-4	200	1785	460	170	444VP
	Well #3	US MOTORS	RVE-4	150	1785	460	170	444VP
	Well #4	US MOTORS	RVE-4	150	1785	460	170	444VP
	Well #5	US MOTORS	RVE-4	200	1785	460	170	444VP
	Well #6	US MOTORS	RVE-4	200	1785	460	170	444VP
	Well #7	US MOTORS	7320-BEM	150	1785	460	224	444VP
	Well #8	US MOTORS	7320-BEM	150	1785	460	224	444VP
	Well #9	US MOTORS	7320-BEM	150	1785	460	224	444VP
	Well #10	US MOTORS	7320-BEM	150	1785	460	224	444VP
	Well #11	US MOTORS	7320-BEM	150	1785	460	224	444VP
	Well #12	US MOTORS	7320-BEM	150	1785	460	224	444VP
	Well #13	US MOTORS	7320-BEM	75	1785	460	139	444VP
	Well #14	US MOTORS	7320-BEM	75	1785	460	139	444VP
	Well #15	US MOTORS	7320-BEM	75	1785	460	139	444VP
	Well #16	US MOTORS	7320-BEM	75	1785	460	139	444VP
	Trans #1	US MOTORS	H00134	150	885	460	183	K4D2
	Trans #2	US MOTORS	H00134	150	885	460	183	K4D2
	Trans #3	US MOTORS	H00134	150	885	460	183	K4D2
	Trans #4	US MOTORS	JBE-14	150	890	460	183	HFH24
	Trans #5	US MOTORS	JBE-14	150	890	460	183	HFH24
	AQC Lift Station #1	Sulzer		33		250/4		
	AQC Lift Station #2	Sulzer		33		XFP00J- CH-PE		
	Sanitary Lift Station #1	Flyght		20		3152		
	Sanitary Lift Station #2	Flyght		20		3152		
Bonneville	HSP #1	US MOTORS	6313-J	200	1785	460	230	445
	HSP #2	US MOTORS	6313-J	200	1785	460	230	445
	HSP #3	US MOTORS	6313-J	200	1785	460	230	445
	HSP #4	US MOTORS	6313-J	200	1785	460	230	445
	HSP #5	US MOTORS	6313-J	200	1785	460	230	445
	HSP #6	US MOTORS	6313-J	200	1785	460	230	445
ESA	HSP #1	US MOTORS	1500478-1	75	1785	460	85	365-T
	HSP #2	US MOTORS	1500478-2	75	1785	460	85	365-T
	HSP #3	US MOTORS		100	1785	460	171	OUT
	HSP #4	US MOTORS		100	1785	460	171	OUT
ASR	Well #1	US MOTORS	7320-BEM	150	1785	460	224	

South Pumps

Water Facility	Location	Manufacturer	Model Number	Size	Type	Motor Brand	Motor Frame	HP	Type
Buena Vista	Pump #1	Berkley	B6JPBMS	6x8	Close Coupled	Marathon	326JM	50	Horizontal
	Pump #2	Berkley	B6JPBMS	6x8	Close Coupled	Marathon	326JM	50	Horizontal
	Pump #3	Berkley	B6JPBMS	6x8	Close Coupled	Marathon	326JM	50	Horizontal
Cypress Walk	HSP #1	Peerless	4AD14	4x6	Split Case	Lincoln	326T	50	Horizontal
	HSP #2	Peerless	4AD14	4x6	Split Case	Lincoln	326T	50	Horizontal
	HSP #3	Peerless	6AD14	6x8	Split Case	Lincoln	404TS	100	Horizontal
	HSP #4	Peerless	6AD14	6x8	Split Case	Lincoln	404TS	100	Horizontal
	HSP #5	Peerless	6AE14N	6x8	Split Case	G.E. / Seimens	404TS	100	Horizontal
	Well #1	Goulds	12RJHO	10x12	Verticle	US Electric	324TPH	40	Verticle
	Well #2	Goulds	12RJMO	10x12	Verticle	US Electric	286TP	30	Verticle
Hunters Creek	HSP #1	Worthington	6LR-13A	6x8	Split Case	US Electric	365TS	75	Horizontal
	HSP #2	Worthington	6LR-13A	6x8	Split Case	US Electric	365TS	75	Horizontal
	HSP #3	Worthington	8LR-14A	8x10	Split Case	G.E. / Seimens	405TS	125	Horizontal
	HSP #4	Crane-Deming	5063	8x10	Split Case	Baldor	445T	150	Horizontal
	Well #1	Goulds	14FHC	10x12	Verticle	US Electric	444TP	150	Verticle
Orangewood	Well #2	Goulds	14FHC	10x12	Verticle	US Electric	444TP	150	Verticle
	HSP #1	Peerless	16HXB	14x16	Verticle	US Electric	444TPA	150	Verticle
	HSP #2	Peerless	16HXB	14x16	Verticle	US Electric	444TPA	150	Verticle
	HSP #3	Peerless	16HXB	14x16	Verticle	US Electric	444TPA	150	Verticle
	Well #1	Goulds	14FHC	10x12	Verticle	US Electric	365TP	75	Verticle
Southern Regional	Well #4	Goulds	14RHMO	10X12	Verticle	US Electric	405TP	100	Verticle
	HSP #1	Goulds	VIC-L / 20BHC	14x16	Verticle	US Electric	RV14	250	Verticle
	HSP #2	Goulds	VIC-L / 20BHC	14x16	Verticle	US Electric	RV14	250	Verticle
	HSP #3	Goulds	VIC-L / 24DMC	20x24	Verticle	US Electric	RVE14	500	Verticle
	HSP #4	Goulds	VIC-L / 24DMC	20x24	Verticle	US Electric	RVE14	500	Verticle
	HSP #5	Goulds	VIC-L / 24DMC	20x24	Verticle	US Electric	RVE14	500	Verticle
	SSP #1	Gusher	PCL6x8-13SEH	6x8	Close Coupled	WEG	364-ST	75	Horizontal
	SSP #2	Gusher	PCL6x8-13SEH	6x8	Close Coupled	WEG	364-ST	75	Horizontal
	SSP #3	Gusher	PCL6x8-15SEH	6x8	Close Coupled	WEG	444-ST	125	Horizontal
	SSP #4	Gusher	PCL6x8-15SEH	6x8	Close Coupled	WEG	444-ST	125	Horizontal
	SSP #5	Gusher	PCL6x8-15SEH	6x8	Close Coupled	WEG	444-ST	125	Horizontal
	SSP #6	Gusher	PCL6x8-15SEH	6x8	Close Coupled	WEG	444-ST	125	Horizontal
	CWP #1	Gusher	PCL3x4-10BSEH	3x4	Close Coupled	WEG	254T	15	Horizontal
	CWP #2	Gusher	PCL3x4-10BSEH	3x4	Close Coupled	WEG	254T	15	Horizontal
	CWP #3	Gusher	PCL3x4-10BSEH	3x4	Close Coupled	WEG	254T	15	Horizontal
	DIP #1	Gusher	PCL3x4-10BSEH	3x4	Close Coupled	WEG	213T	7.5	Horizontal
	DIP #2	Gusher	PCL3x4-10BSEH	3x4	Close Coupled	WEG	213T	7.5	Horizontal
	DIP #3	Gusher	PCL3x4-10BSEH	3x4	Close Coupled	WEG	213T	7.5	Horizontal
	Well #1	Goulds	14FHC	12x16	Verticle	US Electric	H445-TP	200	Verticle
	Well #2	Goulds	14FHC	12x16	Verticle	US Electric	H445-TP	200	Verticle
Well #3	Goulds	14FHC	12x16	Verticle	US Electric	H445-TP	200	Verticle	
Well #4	Goulds	14FHC	12x16	Verticle	US Electric	H445-TP	200	Verticle	
Well #5	Goulds	14FHC	12x16	Verticle	US Electric	H445-TP	200	Verticle	
Well #6	Goulds	14FHC	12x16	Verticle	US Electric	H445-TP	200	Verticle	
Well #7	Goulds	12FDHC	10X12	Verticle	US Electric	444-TP	125	Verticle	
Well #8	Goulds	12FDHC	10X12	Verticle	US Electric	444-TP	125	Verticle	
Vistana	HSP #1	Paco	29-5015	6x8	Split Case	Marathon	404T	100	Horizontal
	HSP #2	Paco	29-5015	6x8	Split Case	Marathon	404T	100	Horizontal
	HSP #3	Worthington	4LR-14D	4x6	Split Case	US Electric	326T	50	Horizontal
	HSP #4	Paco	29-4015	6x8	Split Case	Marathon	364T	60	Horizontal
	HSP #5	Paco	29-5015	6x8	Split Case	Marathon	364T	60	Horizontal
	Well #1	Goulds	12FDLO	8X12	Verticle	US Electric	326TP	50	Verticle
	Well #2	Goulds	14RJLO	10x12	Verticle	US Electric	326TP	50	Verticle
	Well #3	Goulds	14FHC	12x14	Verticle	US Electric	444TP	100	Verticle

Water Division South Section

	Water Facility	Location	Motor Brand	Motor Frame	HP	Type
	Buena Vista	Pump #1	Marathon	326JM	50	Horizontal
		Pump #2	Marathon	326JM	50	Horizontal
		Pump #3	Marathon	326JM	50	Horizontal
	Cypress Walk	HSP #1	Lincoln	326T	50	Horizontal
		HSP #2	Lincoln	326T	50	Horizontal
		HSP #3	Lincoln	404TS	100	Horizontal
		HSP #4	Lincoln	404TS	100	Horizontal
		HSP #5	G.E. / Seimens	404TS	100	Horizontal
		Well #1	US Electric	324TPH	40	Verticle
		Well #2	US Electric	286TP	30	Verticle
		Hunters Creek	HSP #1	US Electric	365TS	75
	HSP #2		US Electric	365TS	75	Horizontal
	HSP #3		G.E. / Seimens	405TS	125	Horizontal
	HSP #4		Baldor	445T	150	Horizontal
	Well #1		US Electric	444TP	150	Verticle
	Well #2		US Electric	444TP	150	Verticle
	Orangewood		HSP #1	US Electric	444TPA	150
		HSP #2	US Electric	444TPA	150	Verticle
		HSP #3	US Electric	444TPA	150	Verticle
		Well #1	US Electric	365TP	75	Verticle
		Well #4	US Electric	405TP	100	Verticle
	Southern Regional	HSP #1	US Electric	RV14	250	Verticle
		HSP #2	US Electric	RV14	250	Verticle
		HSP #3	US Electric	RVE14	500	Verticle
		HSP #4	US Electric	RVE14	500	Verticle
		HSP #5	US Electric	RVE14	500	Verticle
		SSP #1	WEG	364-5T	75	Horizontal
		SSP #2	WEG	364-5T	75	Horizontal
		SSP #3	WEG	444-5T	125	Horizontal
		SSP #4	WEG	444-5T	125	Horizontal
		SSP #5	WEG	444-5T	125	Horizontal
		SSP #6	WEG	444-5T	125	Horizontal
		CWP #1	WEG	254T	15	Horizontal
		CWP #2	WEG	254T	15	Horizontal
		CWP #3	WEG	254T	15	Horizontal
		DIP #1	WEG	213T	7.5	Horizontal
		DIP #2	WEG	213T	7.5	Horizontal
		DIP #3	WEG	213T	7.5	Horizontal
		Well #1	US Electric	H445-TP	200	Verticle
		Well #2	US Electric	H445-TP	200	Verticle
		Well #3	US Electric	H445-TP	200	Verticle
	Well #4	US Electric	H445-TP	200	Verticle	
	Well #5	US Electric	H445-TP	200	Verticle	
	Well #6	US Electric	H445-TP	200	Verticle	
	Well #7	US Electric	444-TP	125	Verticle	
	Well #8	US Electric	444-TP	125	Verticle	
	Vistana	HSP #1	Marathon	404T	100	Horizontal

Water Division South Section

		HSP #2	Marathon	404T	100	Horizontal
		HSP #3	US Electric	326T	50	Horizontal
		HSP #4	Marathon	364T	60	Horizontal
		HSP #5	Marathon	364T	60	Horizontal
		Well #1	US Electric	326TP	50	Verticle
		Well #2	US Electric	326TP	50	Verticle
		Well #3	US Electric	444TP	100	Verticle

West Motors

	Plant	Location	Manufacturer	ID or Model Number	HP	RPM	VOLTS	AMP	FRAME
1	CR 535	HSP#1	US Motors	P-07-8696861-0001	100	1785	460	112	404T
2		HSP#2	US Motors	P-07-8696861-0001	100	1785	460	112	404T
3		HSP#3	US Motors	P-07-8696861-0001	100	1785	460	112	404T
4		HSP#4	US Motors	P-07-8696861-0001	100	1785	460	112	404T
5		Well #1	US Motors	9701792-100	60	1785	230/460	136/68	364TP
6		Well #2	US Motors	9701791-100	40	1190	230/460	93/46	364TP
7		Well #3	US Motors	9701792-100	60	1785	230/460	136/68	364TP
8	Bent Oaks	HSP#1	US Motors	H010U07U135R050M	60	1780	230/460	151/75	364TS
9		HSP#2	US Motors	R-9420-02-994M	60	1775	230/460	152/76	364TS
10		HSP#3	GE	5KS364AL215	60	1780	230/460	138/69	364TS
11		HSP#4	GE	5KS364ATE215A	60	1785	230/460	150/75	364TS
12	Hidden Springs	HSP#1	US Motors	U-10-13702311-0001	125	1780	460	140	405T
13		HSP#2	US Motors	U-10-13702311-0001	125	1780	460	140	405T
14		HSP#3	US Motors	U-10-13702311-0001	125	1780	460	140	405T
15		HSP#4	US Motors	U-10-13702311-0001	125	1780	460	140	405T
16		HSP#5	US Motors	U-10-13702311-0001	125	1780	460	140	405T
17		Well #3	US Motors	N-11-N2110424T-01	130	1780	460	178	447TP
18		Well #4	US Motors	N-11-N2110424C-02	130	1780	460	178	447TP
19	Hidden Spring Repump	HSP#1	WEG	05018OT3E326T	50	1775	480	59	326T
20		HSP#2	WEG	05018OT3E326T	50	1775	480	59	326T
21		HSP#3	WEG	10018OT3G404T	100	1780	480	110	404/5T
22		HSP#4	WEG	10018OT3G404T	100	1780	480	110	404/5T
23		HSP#5	WEG	10018OT3G404T	100	1780	480	110	404/5T
24	McCormick Road	HSP#1	Baldor	09P028Y639G2	20	1765	460	24	256JP
25		HSP#2	Baldor	09P028Y639G2	20	1765	460	24	256JP
26		HSP#3	Baldor	12L088Y141G1	50	1775	230/460	116/58	326TCZ
27	Oak Meadows	HSP#1	US Motors	9304975-786	75	1185	460	90	405T
28		HSP#2	US Motors	R-A417-01-924	100	1780	230/460	232/116	405T
29		HSP#3	US Motors	N-05-N0860117R-1	125	1780	460	145	405T
30		HSP#4	US Motors	N-05-N0860117R-2	125	1780	460	145	405T
31		Well #3	US Motors	H0125S2SLG	125	1780	460	147	405TP
32		Well #4	US Motors	B409A/V05V105R042R-2	75	1775	230/460	173/86.5	365TP WP1

West Pumps

	Plant	Location	Manufacturer	Model Number	Size	Type	GPM/Head
1	CR 535	HSP#1	Peerless	6AE14	6x8	Split Case	1400/171
2		HSP#2	Peerless	6AE14	6x8	Split Case	1400/171
3		HSP#3	Peerless	6AE14	6x8	Split Case	1400/171
4		HSP#4	Peerless	6AE14	6x8	Split Case	1400/171
5		Well#1	Fairbanks	7000 Series	13H2	Vert Turbine	1800/101
6		Well#2	Fairbanks	7000 Series	13F3	Vert Turbine	1000/103
7		Well#3	Fairbanks	7000 Series	13H2	Vert Turbine	1800/101
8	Bent Oaks	HSP#1	Peerless	4AD14	4x6	Split Case	1000/162
9		HSP#2	Peerless	4AD14	4x6	Split Case	1000/162
10		HSP#3	Peerless	4AD14	4x6	Split Case	1000/162
11		HSP#4	Peerless	4AD14	4x6	Split Case	1000/162
12	Hidden Springs	HSP#1	Peerless	6AE14N	6x8	Split Case	1800/175
13		HSP#2	Peerless	6AE14N	6x8	Split Case	1800/175
14		HSP#3	Peerless	6AE14N	6x8	Split Case	1800/175
15		HSP#4	Peerless	6AE14N	6x8	Split Case	1800/175
16		HSP#5	Peerless	6AE14N	6x8	Split Case	1800/175
17		Well#3	Goulds	VIT/VIC	14RHMO	Vert Turbine	3000/163
18		Well#4	Goulds	VIT/VIC	14RHMO	Vert Turbine	3000/163
19	Hidden Spring Repump	HSP#1	Goulds	3410	4x6	Split Case	1000/116
20		HSP#2	Goulds	3410	4x6	Split Case	1000/116
21		HSP#3	Goulds	3410	8x10	Split Case	2800/116
22		HSP#4	Goulds	3410	8x10	Split Case	2800/116
23		HSP#5	Goulds	3410	8x10	Split Case	2800/116
24	McCormick Road	HSP#1	Cornell	4RB-CC	4x6	Close Coupled	800/59
25		HSP#2	Cornell	4RB-CC	4x6	Close Coupled	800/59
26		HSP#3	Cornell	6YB-CC	6x10	Close Coupled	2500/61
27	Oak Meadows	HSP#1	Aurora	421-BF	6x8x17	Split Case	1000/180
28		HSP#2	Aurora	411-BF	6x6x15	Split Case	2200/150
29		HSP#3	Aurora	411-BF	8x10x15	Split Case	2500/150
30		HSP#4	Aurora	411-BF	8x10x15	Split Case	2500/150
31		Well#3	Goulds	VIT/VIC	14RHMO	Vert Turbine	2500/150
32		Well#4	Goulds	VIT/VIC	14RHMO	Vert Turbine	1700/150
33	Riverside	HSP#1	Goulds	3410	4x6	Split Case	1000/166
34		HSP#2	Goulds	3410	4x6	Split Case	1000/166
35		HSP#3	Goulds	3410	6x8	Split Case	2000/166
36		HSP#4	Goulds	3410	6x8	Split Case	2000/166
37	Summerlake	HSP#1	Cornell	6RB-CC	6x10	Close Coupled	2250/92
38		HSP#2	Cornell	6RB-CC	6x10	Close Coupled	2250/92
39		HSP#3	Cornell	6RB-CC	6x10	Close Coupled	2250/92
40	Western Regional	HSP#1	Ingersoll	22NKM-2	20x42	Vertical	7000/139
41		HSP#2	Ingersoll	22NKM-2	20x42	Vertical	7000/139
42		HSP#3	Ingersoll	22NKM-2	20x42	Vertical	7000/139
43		HSP#4	Ingersoll	29LKM-1	30x42	Vertical	14000/149
44		HSP#5	Ingersoll	29LKM-1	30x42	Vertical	14000/149
45		Well#1	Goulds	DWT-CATM	14FHC	Vert Turbine	3000/125
46		Well#2	Goulds	DWT-CATM	14FHC	Vert Turbine	3000/125
47		Well#3	Goulds	DWT-CATM	18DHC	Vert Turbine	3000/118
48		Well#4	Goulds	DWT-CATM	18DHC	Vert Turbine	3000/118
49		Well#5	Goulds	DWT-CATM	18DHC	Vert Turbine	3000/118
50		Well#6	Goulds	DWT-CATM	18DHC	Vert Turbine	3000/118
51		Well#7	Goulds	DWT-CATM	18DHC	Vert Turbine	3000/118
52		Well#8	Goulds	DWT-CATM	18DHC	Vert Turbine	3000/118
53	Western Regional	Lift 00	Flyght (2ea)	CP3085	3"	Submersible	37/28
54		Lift 01	Flyght (2ea)	MP3085	3"	Submersible	50/35
55		Lift 02	Flyght (2ea)	MP3085	1"	Submersible	50/43
56	CR 535	Lift Station	Hydromatic	HPG200	2	Submersible	15/23
57	Lake John Shores	Well	Goulds	Sandhandler	4	Submersible	35/275
58							
59							
60							
61							

Attachment C

Repair (machine) Shop Minimum Requirements Checklist

In accordance with Special Terms and Conditions, Article 2, Qualification of Bidders, Bidders to detail the following information to confirm the repair(machine) shop(s) adhere to minimum requirements specified in ITB Y17-136-TA.

Item	Requirement	Check Yes/No for each requirement	List all Address(es) for the Repair (machine) shop(s) that will be used to satisfy the specified requirement. Identify if it is the Bidder's or Subcontractor's Repair (machine) Shop.	Verified by County during Site Compliance Visit
a.	The Repair (machine) shop(s) shall be within a one hundred and fifty (150) mile radius from 8100 Presidents Drive, Orlando, Florida 32809.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/>	Verified Yes <input type="checkbox"/> No <input type="checkbox"/> Signature of County Representative _____
b.	The Repair (machine) shops shall be available twenty four (24) hours a day, seven (7) days a week, for emergency work.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/>	Verified Yes <input type="checkbox"/> No <input type="checkbox"/> <input type="checkbox"/> Signature of County Representative _____

<p>c</p>	<p>The Repair (machine) shop shall have an area designated as storage area for safe storage of the submersible pumps under repair, submersible pump components, and the repaired submersible pumps awaiting shipment. This area shall be covered, weather protected and isolated from disassembly and inspection, sandblasting, steam cleaning, and similar sources of contaminants that could damage the components or the submersible pumps. The parts and submersible pumps shall be kept off the ground. The storage area shall be located at the shop.</p>	<p><input type="checkbox"/>Yes</p>	<p>Address _____ Name:_____ Contractor <input type="checkbox"/> or Subcontractor<input type="checkbox"/></p> <p>Address _____ Name:_____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p> <p>Address _____ Name:_____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p>	<p>Verified Yes <input type="checkbox"/> No<input type="checkbox"/></p> <p>Signature of County Representative _____ _____</p>
		<p><input type="checkbox"/>No</p>		

d	The repair(machine) shop's disassembly and inspection area shall be covered; weather protected and isolated from storage and assembly areas.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/>	Verified Yes <input type="checkbox"/> No <input type="checkbox"/> Signature of County Representative _____
e	The repair(machine)shop(s)' assembly area shall be covered, weather protected, and isolated from disassembly and inspection area, sandblasting, and similar contaminants that could damage components or the submersible pumps.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/>	Verified Yes <input type="checkbox"/> No <input type="checkbox"/> Signature of County Representative _____

f	The repair (machine) shop(s) shall have the necessary overhead canes and/or jib cranes to handle the submersible pumps equipped with lifting eyes, or similar factory lifting points throughout the repair process.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/>	Verified Yes <input type="checkbox"/> No <input type="checkbox"/> Signature of County Representative _____
g	The repair (machine) shop(s) shall have a paint booth available that meets all applicable Federal, State, and Local regulations, ordinances, codes and standards.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/>	Verified Yes <input type="checkbox"/> No <input type="checkbox"/> Signature of County Representative _____
h	The repair(machine) shop shall have a pressure washer and steam-cleaning machine available that meets all applicable Federal, State, and Local regulations, ordinances, codes and standards. The machine shall provide water at 200 degrees Fahrenheit and at 30 pounds per square inch (psi).	<input type="checkbox"/> Yes <input type="checkbox"/> No	Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/>	Verified Yes <input type="checkbox"/> No <input type="checkbox"/> Signature of County Representative _____

i	<p>The repair (machine) shop shall have a burnout oven available, which meets all applicable Federal, State, and Local regulations, ordinances, codes and standards. The furnace temperature shall be automatically controlled and have a chart recorder and the controller shall have the tag of the latest calibration. The controller shall indicate and control the furnace temperature by furnace air temperature.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p> <p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p> <p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p>	<p>Verified Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Signature of County Representative</p> <p>_____</p>
j	<p>The repair (machine) shop shall have a baking oven available, which meets all applicable Federal, State, and local regulations, ordinances, and codes and standards. The furnace temperature shall be automatically controlled and have a chart recorder and the controller shall have the tag of the latest calibration. The</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p> <p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p> <p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p>	<p>Verified Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Signature of County Representative</p> <p>_____</p>

	controller shall indicate and control the furnace temperature by furnace air temperature.			
k	The repair(machine) shop shall have a varnish dip tank available, which meets all applicable Federal, State, and local regulations, ordinances, codes and standards.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/>	Verified Yes <input type="checkbox"/> No <input type="checkbox"/> Signature of County Representative _____
l	The repair (machine) shop(s) shall have a Vacuum Pressure Impregnation (VPI) system available, which meets all applicable Federal, State, and Local regulations, ordinances, codes, and standards.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/>	Verified Yes <input type="checkbox"/> No <input type="checkbox"/> Signature of County Representative _____

p	The repair(machine)shop(s) shall have necessary testing equipment and the set up to safely do all recommended tests before and after recondition and rewind repair of the submersible pumps. The check and test equipment shall include at a minimum: meggers, loop or core loss tester, high-potential DC tester, surge-comparison tester, growler, infrared thermography camera and submersible pump test panel to the test the largest submersible pump in this contract.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Address _____ Name:_____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name:_____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name:_____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/>	Verified Yes <input type="checkbox"/> No <input type="checkbox"/> Signature of County Representative _____
q	The repair(machine) shop(s) shall have a coil manufacturing machine equipped with turn counter available. The coils shall be wound with minimum crossovers and have uniform cross-section coils.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Address _____ Name:_____ <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name:_____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/> Address _____ Name:_____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/>	Verified Yes <input type="checkbox"/> No <input type="checkbox"/> Signature of County Representative _____

r	<p>The repair(machine) shop shall have a coil winding room available, isolated from disassembly and inspection, sandblasting, painting, and similar contaminated areas that could possibly shorten the light expectancy of a winding. The coil-winding room shall either be located at bidder's repair (machine) shop or at listed subcontractor's shop.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p> <p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p> <p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p>	<p>Verified Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Signature of County Representative</p> <p>_____</p>
s	<p>The repair(machine) shop(s) shall have adequate access for Orange County Utilities delivery vehicles to enter, load/unload, and exit safely without exposing the operator of the vehicle to danger such as backing in traffic lanes, crossing medians, etc.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p> <p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p> <p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p>	<p>Verified Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Signature of County Representative</p> <p>_____</p>
t	<p>The repair(machine) shop(s) shall be a smoke-free environment when the Orange County Utilities representative visits the facility to check the job progress and observe the test run.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p> <p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p> <p>Address _____ Name: _____ Contractor <input type="checkbox"/> or Subcontractor <input type="checkbox"/></p>	<p>Verified Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Signature of County Representative</p> <p>_____</p>

