



**PASCO COUNTY BOARD OF COUNTY COMMISSIONERS  
PURCHASING DEPARTMENT  
8919 GOVERNMENT DRIVE  
NEW PORT RICHEY, FLORIDA 34654**

TELEPHONE: (727) 847-8194

FACSIMILE: (727) 847-8065

[pascocountyfl.net](http://pascocountyfl.net)

# **INVITATION FOR BIDS**

## **BID NO. 07-034F**

### **EMERGENCY GENERATORS AND TRANSFER SWITCHES PROVIDED AND INSTALLED**

#### SUMMARY OF WORK

It is the intent of this solicitation to contract with a company to provide and install four (4) each complete standby generator systems and transfer switches at four (4) building locations throughout Pasco County.

The Pasco County Purchasing Department will receive sealed bids until 2:00 p.m., local time (our clock), on January 16, 2007, in the Pasco County Purchasing Department, 8919 Government Drive, New Port Richey, Florida. Bids received after this time will not be accepted. Bids will be publicly opened and read at the above-stated time and date. All interested parties are invited to attend. Bidders shall submit one (1) original bid form.

Insurance coverage is required for this project; please refer to the Special Provisions.

Please immediately advise of address changes or if you wish to have your firm removed from the vendor list. Vendors receiving this notice must submit either a bid/proposal or "NO BID" to remain on our vendor list for the specified commodity or service. A "NO BID" is provided on Page 2 for your convenience.

This cover is only intended to inform vendors of a pending Invitation for Bid or Request for Proposal. For complete details, please refer to the complete bid/proposal package.

Bid documents may be downloaded by visiting [www.PascoCountyFL.net](http://www.PascoCountyFL.net) or by requesting copies from the Purchasing Department at no cost. Pasco County is not responsible for expenses incurred prior to award by the Board of County Commissioners (BCC).

Frank C. Aleskwiz  
Buyer



**PASCO COUNTY BOARD OF COUNTY COMMISSIONERS  
PURCHASING DEPARTMENT  
8919 GOVERNMENT DRIVE  
NEW PORT RICHEY, FLORIDA 34654**

**STATEMENT OF NO BID**

We, the undersigned, have declined to submit a bid response to Invitation for Bid No. 07-034F for the following reason(s):

Please check all that apply.

1. ☐ Opening date does not allow sufficient time to complete bid response.
2. ☐ We do not offer the commodities or services requested.
3. ☐ Our schedule would not permit us to perform.
4. ☐ We are unable to meet the issued specification.
5. ☐ Specifications are restrictive (please explain below).
6. ☐ We are unable to meet the surety requirements.
7. ☐ Other: \_\_\_\_\_

Explanations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

We understand that if a "NO BID" is not returned, our firm will be removed from the bidders' list for the subject commodity.

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

Signature: \_\_\_\_\_

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

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

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

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

Facsimile: \_\_\_\_\_

Fed. ID No.: \_\_\_\_\_

# **IMPORTANT!—PLEASE READ CAREFULLY BEFORE MAKING BID**

## **GENERAL PROVISIONS**

These general terms and conditions of the bid quotation and acceptance apply in like force to this inquiry and to any subsequent contract resulting therefrom.

### ACKNOWLEDGMENT OF AMENDMENTS

Bidders shall acknowledge receipt of any amendment to the solicitation by identifying the amendment number in the space provided for this purpose on the bid form, by letter, or by returning a copy of the issued amendment with the submitted bid. The acknowledgment must be received by Pasco County by the time and at the place specified for the receipt of bids. Failure to acknowledge an issued amendment may result in bid rejection and disqualification.

### ADDITIONAL INFORMATION

Questions concerning the contract or technical portions of the bid document must be submitted in writing to Scott P. Stromer, Purchasing Director, Pasco County Purchasing Department; 8919 Government Drive; New Port Richey, Florida 34654; facsimile (fax) machine number (727) 847-8065. Bidders are cautioned that any statements made by individuals, or employees of Pasco County, that materially change any portion of the bid document shall not be relied upon unless subsequently ratified by a formal written amendment to the bid document. No contractual or technical questions will be accepted after ten (10) days prior to the date set for bid opening.

### ALTERNATIVE BIDS

The bidder **WILL NOT** be allowed to offer more than one (1) price (for the goods or services specified). If the said bidder should submit more than one (1) price on any item (or service), ALL prices will be rejected for that item. The bidders offering service delivery methods other than those permitted by the scope of work or specifications may submit a separate envelope clearly marked "Alternative Bid." Alternative bids will be deemed nonresponsive and will not be considered for award. All such responses will, however, be examined prior to award. Such examination may result in cancellation of all bids received to permit rewriting the scope of work or specifications to include the alternative method, or the alternative method may be considered for future requirements of Pasco County.

### ANTITRUST

By entering into a contract, the contractor conveys, sells, assigns, and transfers to Pasco County all rights, titles, and interest it may now have or hereafter acquire under the antitrust laws of the United States and the State of Florida that relate to the particular goods or services purchased or acquired by Pasco County under the said contract.

### APPLICABLE LAW

The contract shall be governed in all respects by the laws of the State of Florida, and any litigation with respect thereto shall be brought in the courts of Pasco County, Florida. The contractor shall comply with all applicable Federal, State, and local laws and regulations. Lack of knowledge by the bidder will in no way be a cause for relief from responsibility.

### ASSIGNMENT

The contractor shall not assign, transfer, convey, sublet, or otherwise dispose of any award or any or all of its rights, title, or interest therein, or delegate the duties hereunder without the prior written consent of Pasco County.

### AWARD

Consideration for award will be by proximity to specifications given, costs, and time of delivery. All purchases, leases, or contracts that are based on competitive bids will be awarded to the lowest, responsive, and responsible bidder. Complete and accurate responses to all items are necessary for the complete and fair evaluation of bids. Bid award, in addition to the above stated, will be based on compliance with the specified requirements as well as the "total-cost" or "life-cycle costing" concept, including the following: 1) Cost: A cost analysis will be conducted and will include all identifiable costs associated with acquisition, installation, maintenance, and operation of the bidder's offered equipment. The analysis will be based upon the bidder's proposal data and other costs which, in the judgment of the evaluators, will be incurred by Pasco County resulting from acceptance of the bidder's proposal; 2) Equipment: Evaluation of equipment will be based on compliance with the specifications, expected life of equipment, output, maintenance, consumption, disposal value, warranty, complexity of operation, required training, and other factors that may contribute to the overall cost of the specified item; and 3) Bidder's Reputation and Experience: Evaluation of the bidder's reputation, past performance, and experience shall be based on the nature and extent of company data furnished, references and financial responsibility of the bidder. Pasco County reserves the right to award by item, group of items, or lowest total, whichever is deemed to be in Pasco County's best interest.

### BID ACCEPTANCE PERIOD

Any bid submitted as a result of the solicitation shall be binding on the bidder for a minimum of ninety (90) calendar days following the bid opening date. Any bid for which the bidder specifies a shorter acceptance period may be rejected.

### BID CLARIFICATIONS

If any party contemplating the submission of a bid on this invitation is in doubt as to the true meaning of any part of the plans, specifications, or other documents, he should submit a written request for an interpretation thereof to the Purchasing Director. The bidder's concerns, regarding clarification of specifications and/or discrepancies and/or omissions and/or changes to the attached specifications shall be made in writing and received by Pasco County no later than ten (10) calendar days prior to the bid opening date. The letter from the bidder shall state clearly, and in detail, the basis for such concern(s) or request(s). The letter shall be addressed to the Purchasing Director, and marked "PREBID QUESTION" on the face of the envelope. The Purchasing Director will respond in writing. An interpretation of the bid invitation document will be made only by addendum duly issued to each party receiving a bid invitation. All such addenda shall become part of the contract documents. Pasco County shall not be responsible for explanations or interpretations of bid invitation documents except as issued in accordance herewith. No oral interpretations will be made as to the meaning of specifications or any other contract documents. Failure to comply with this provision will result in the bidder waiving his/her right to dispute the bid specification.

### BIDDER CERTIFICATION

The bidder agrees that submission of a signed bid form is certification that the bidder will accept an award made to it as a result of the submission.

### BIDDER INVESTIGATIONS

Before submitting a bid, each bidder shall make all investigations and examinations necessary to ascertain all site conditions and requirements affecting the full performance of the contract and to verify any representations made by Pasco County upon which the bidder will rely. If the bidder receives an award as a result of its bid submission, failure to have made such investigations and examinations will in no way relieve the bidder from its obligation to comply in every detail with all provisions and requirements of the contract documents, nor will a plea of ignorance of such conditions and requirements be accepted as a basis for any claim whatsoever by the contractor for additional compensation.

### BIDDERS' LIST

Failure to submit a bid for the item(s) specified will result in removal from the bidders' list for such (an) item(s). If a bid is not submitted, a "NO BID" response must be submitted to remain on the Pasco County's bidders' list for such items. A form for submitting a "NO BID" is provided on Page 2 for your convenience.

### BID ENVELOPES

Envelopes containing bids must be sealed and marked in the lower left-hand corner with the invitation number, commodity, and date and hour of opening of bids. Failure to do so may cause bid not to be considered. Express Company or Express Mail envelopes containing a sealed bid shall also be sealed and marked in the lower left-hand corner with the invitation number, commodity, and date and hour of opening of bids.

### BID FORM SUBMISSION

Bids shall be submitted on the attached forms. Bids concerning separate bid invitations must not be combined on the same form or placed in the same envelope. Bids submitted in violation of this provision shall not be considered. All bids must be signed, in ink, in order to be considered. Erasures are not acceptable on bids; if necessary to make a change, strike out or draw a line through incorrect item and type the correction above, and initial the correction in ink. If the bidder is a firm or corporation, the bidder must show the title of the individual executing the bid, and if the individual is not an officer of the firm or corporation, the bidder must submit proof that the individual has the authority to obligate the firm or corporation. **BIDS MAY NOT BE ALTERED OR AMENDED AFTER THE BID CLOSING.**

### BID RECEIPT AND OPENING

Pasco County will receive sealed bid proposals until date and time indicated on bid cover. Bids must be delivered, by hand or mail, to the Pasco County Purchasing Department, located at 8919 Government Drive, New Port Richey, Florida, where they will be opened at the stated time. Bids must be time stamped in the Purchasing Department before or on the hour and date indicated on the cover sheet (Invitation for Bid) for the bid opening. Bids received after the date and time of the bid opening will be received, date stamped, and returned to the bidder unopened. It is the responsibility of the bidder to ensure that bids arrive at the designated opening place on time. Late or nondelivery due to mail or express delivery company failure will not be considered adequate reason for consideration of late bids. **FAXED BIDS WILL NOT BE ACCEPTED AND SHALL NOT BE CONSIDERED FOR EVALUATION OR AWARD.** Notes may be taken at the public reading of the bid(s) at the specified time and date of the opening or a personal inspection may be made of the bid(s) after award has been made and documents are placed in central and public files.

### BID WITHDRAWAL

Bids may not be changed after the bid closing time.

To withdraw a bid that includes a clerical error after bid opening, the bidder must give notice in writing to Pasco County of claim or right to withdraw a bid. Within two (2) business days after the bid opening, the bidder requesting withdrawal must provide to Pasco County all original work papers, documents, and other materials used in the preparation of the bid. A bidder may also withdraw a bid prior to the time set for the opening of bids by simply making a request in writing to Pasco County; no explanation is required. No bidder who is permitted to withdraw a bid shall, for compensation, supply any material or labor to or perform any subcontract or other work for the person to whom the contract is awarded or otherwise benefit from the contract. No partial withdrawals of a bid are permitted after the time and date set for the bid opening; only complete withdrawals are permitted. The decision to allow or disallow bid withdrawal remains solely with Pasco County.

### BRAND NAMES

Any catalog, brand name, or manufacturer's reference used in the specifications is intended to be descriptive and not restrictive, and is used **only** to indicate type and quality desired. Any article, equipment, or material, which shall conform to the standards and excellence, so established, and is of equal merit, strength, durability, and appearance to perform the desired function, is deemed eligible for offer as a substitute. The qualifications of the offering shall be judged as to their conformance with these specifications. Any equipment offered other than herein specified shall be subject to a competitive demonstration and evaluation by Pasco County. The determination as to whether any alternate product or service is or is not equal shall be made by Pasco County, and such determination(s) shall be final and binding upon all bidders.

### CANCELLATION

Pasco County reserves the right to cancel a resulting contract, without cause, by giving thirty (30) days' prior written notice to the contractor of the intention to cancel, or with cause if at any time the contractor fails to fulfill or abide by any of the terms or conditions specified. Failure of the contractor to comply with any of the provisions of a resulting contract shall be considered a material breach of contract and shall be cause for immediate termination of the contract at the sole discretion of Pasco County. In addition to all other legal remedies available to Pasco County, Pasco County reserves the right to cancel and obtain from another source, any services which have not been provided within the required period of time or, if no such time is stated, within a reasonable period of time from the date of order or request, as determined by Pasco County.

### CERTIFICATION OF INDEPENDENT PRICE DETERMINATION

The bidder certifies that the prices submitted in response to the solicitation have been arrived at independently and without—for the purpose of restricting competition—any consultation, communication, or agreement with any other bidder or competitor relating to those prices, the intention to submit a bid, or the methods or factors used to calculate the prices bid.

### CHANGE IN SCOPE OF WORK

Pasco County may order changes in the work consisting of additions, deletions, or other revisions within the general scope of the contract. No claims may be made by the contractor that the scope of the project or of the contractor's services has been changed, requiring changes to the amount of compensation to the contractor or other adjustments to the contract, unless such changes or adjustments have been made by written amendment to the contract or

purchase order signed by Purchasing Director. If the contractor believes that any particular work is not within the scope of the project, is a material change, or will otherwise require more compensation to the contractor, the contractor must immediately notify Pasco County in writing of this belief. If Pasco County believes that the particular work is within the scope of the contract as written, the contractor will be ordered to and shall continue with the work as changed and at the cost stated for the work within the scope.

#### COLLUSION AMONG BIDDERS

Each bidder, by submitting a bid, certifies that it is not a party to any collusive action or any action that may be in violation of the Sherman Antitrust Act. Any or all bids shall be rejected if there is any reason for believing that collusion exists among the bidders. Pasco County may or may not, at its discretion, accept future bids for the same work from participants in such collusion. More than one (1) bid from an individual, firm, partnership, cooperation, or association under the same or different names may be rejected. Reasonable grounds for believing that a bidder has interest in more than one (1) bid for the work being bid may result in rejection of all bids in which the bidder is believed to have interest. Nothing in this clause shall preclude a firm acting as a subcontractor to be included as a subcontractor for two (2) or more primary contractors submitting a bid for the work.

#### CONFLICT OF INTEREST

The contractor, by submission of its proposal, certifies that to the best of his/her knowledge or belief, no elected/appointed official or employee of Pasco County is financially interested, directly or indirectly, in the offer of goods or services specified in this invitation.

#### DEBARMENT

By submitting a bid, the bidder certifies that it is not currently debarred from submitting bids for contracts issued by any political subdivision or agency of the State of Florida and that it is not an agent of a person or entity that is currently debarred from submitting bids for contracts issued by any subdivision or agency of the State of Florida.

#### ERRORS IN EXTENSIONS

If the unit price and the extension price are at variance, the unit price shall prevail.

#### ETHICS IN PUBLIC PROCUREMENT

The contract shall incorporate by reference, but shall not be limited to, the provisions of law contained in Chapter 112, Florida Statutes. A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity; may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids on leases or real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes, for CATEGORY TWO for a period of thirty-six (36) months from the date of being placed on the convicted vendor list. The bidder certifies that its bid was made without collusion or fraud; that it has not offered or received any kickbacks or inducements from any other bidder, supplier, manufacturer, or subcontractor in connection with this bid; and that it has not conferred on any public employee having official responsibility for this procurement transaction any payment, loan, subscription, advance, deposit of money, services, or anything of value.

#### EXCEPTIONS

Bidders taking exception to any part or section of the solicitation shall indicate such exceptions on the bid form or appendix. Failure to indicate any exception will be interpreted as the bidder's intent to comply fully with the requirements as written. Conditional or qualified bids, unless specifically allowed, shall be subject to rejection in whole or in part.

#### EXPENSES INCURRED IN PREPARING BID

Pasco County accepts no responsibility for any expense incurred by the bidder in the preparation and presentation of a bid. Such expenses shall be borne exclusively by the bidder.

#### FAILURE TO DELIVER

In the event of failure of the contractor to deliver the goods and services in accordance with the contract terms and conditions, Pasco County may procure the goods and services from other sources and hold the contractor responsible for any resulting additional costs. A failure to deliver will result in immediate termination of a resulting contract, and immediate disqualification and debarment from submitting bids to Pasco County for a maximum of three (3) years. These remedies shall be in addition to any other remedies that Pasco County may have available.

#### FAILURE TO ENFORCE

Failure by Pasco County at any time to enforce the provisions of the contract shall not be construed as a waiver of any such provisions. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of Pasco County to enforce any provision at any time in accordance with its terms.

#### FAIR LABOR STANDARDS

By submission of a bid, the bidder certifies that the contractor(s) and/or subcontractor(s) providing product(s) or service(s) shall, in the execution or performance of such a contract, maintain fair labor standards as defined in applicable State and Federal regulations.

#### FORCE MAJEURE

The contractor shall not be held responsible for failure to perform the duties and responsibilities imposed by the contract due to legal strikes, fires, riots, rebellions, and acts of God beyond the control of the contractor, unless otherwise specified in the contract.

#### IDENTICAL BIDS

Identical bids or bids which otherwise appear suspicious will be reported to the County Attorney for investigation.

#### INDEMNIFICATION

In consideration of the sum of Fifteen and 00/100 Dollars (\$15.00), the receipt and sufficiency of which is acknowledged by the contractor to be included and paid for in the contract price, the contractor shall indemnify, defend, and hold harmless Pasco County and its agents and employees from and against all liabilities, claims, damages, losses, and expenses, including attorneys' fees, arising out of or resulting from the performance of the work, provided that any such liability, claim, damage, loss, or expense: 1) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself), including the loss of use resulting therefrom; and 2) is caused in whole or in part by any negligent act or omission of the contractor and subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, except for those caused by the negligent act or omission of Pasco County.



In any and all claims against Pasco County or any of its agents or employees by any employee of the contractor, any subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the indemnification obligation under the previous paragraph shall not be limited in any way as to the amount or type of damages, compensation, or benefits payable by or for the contractor or any subcontractor under Workers' Compensation Acts, disability benefit acts, or other employee benefit acts.

#### INDEPENDENT CONTRACTOR

The contractor shall be legally considered an independent contractor and neither the contractor nor its employees shall, under any circumstances, be considered servants or agents of Pasco County; and Pasco County shall be at no time legally responsible for any negligence or other wrongdoing by the contractor, its servants, or agents. Pasco County shall not withhold from the contractor any Federal or State unemployment taxes, Federal or State income taxes, Social Security tax, or any other amounts for benefits to the contractor. Further, Pasco County shall not provide to the contractor any insurance coverage or other benefits, including workers' compensation, normally provided by Pasco County for its employees.

#### INFORMALITIES AND IRREGULARITIES

Pasco County has the right to waive minor defects or variations of a bid from the exact requirements of the specifications that do not affect the price, quality, quantity, delivery, or performance time of the services being procured. If insufficient information is submitted by a bidder with the bid for Pasco County to properly evaluate the bid, Pasco County has the right to require such additional information as it may deem necessary after the time set for receipt of bids, provided that the information requested does not change the price, quality, quantity, delivery, or performance time of the services being procured. The BCC reserves the right to reject any or all bids in whole or in part; to award by any item, group(s) of items, total bid, or accept the bid that is most advantageous and in the best interest of Pasco County.

#### LIMITATION OF COST

The contractor agrees to perform the work specified and complete all obligations under the contract within the stated amounts.

#### NONAPPROPRIATION

All funds for payment by Pasco County under this contract are subject to the availability of an annual appropriation for this purpose by Pasco County. In the event of nonappropriation of funds by Pasco County for the services provided under the contract, Pasco County will terminate the contract, without termination charge or other liability, on the last day of the then-current fiscal year or when the appropriation made for the then-current year for the services covered by this contract is spent, whichever event occurs first. If at any time funds are not appropriated for the continuance of this contract, cancellation shall be accepted by the contractor on thirty (30) days' prior written notice, but failure to give such notice shall be of no effect, and Pasco County shall not be obligated under this contract beyond the date of termination.

#### NONCONFORMING TERMS AND CONDITIONS

A bid response that includes terms and conditions that do not conform to the terms and conditions in the bid document is subject to rejection as nonresponsive. Pasco County reserves the right to permit the bidder to withdraw nonconforming terms and conditions from its bid response prior to a determination by Pasco County of nonresponsiveness based on the submission of nonconforming terms and conditions.

### NONDISCRIMINATION

By submission of bid, the bidder certifies that the contractor(s) and/or subcontractor(s) providing product(s) or service(s) shall not discriminate against any employee or applicant for employment, to be employed in the performance of such contract, with respect to his/her hire, tenure, terms, conditions, or privileges of employment, because of his/her race, color, religion, sex, disability, or national origin, as outlined in applicable State and Federal regulations.

### ORAL STATEMENTS

No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in this contract. All modifications to the contract or purchase order must be made in writing by Pasco County.

### PATENTS AND ROYALTIES

The contractor covenants to save, defend, keep harmless, and indemnify Pasco County and all of its officers, departments, agencies, agents, and employees from and against all claims, loss, damage, injury, fines, penalties, and cost—including court costs and attorney's fees, charges, liability, and exposure, however caused—for or on account of any copyright or patented or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by Pasco County. If the contractor uses any design, device, or materials covered by patent or copyright, it is mutually agreed and understood without exception that the contract price includes all royalties or costs arising from the use of such design, device, or materials in any way in the work.

### PAYMENT PROCEDURES

The BCC has adopted Resolution No. 95-70, incorporating its Invoice Payment Procedures Policy in order to help ensure that vendors providing goods and/or services to the BCC receive payment in a timely manner and in accordance with Chapter 218, Part VII, Florida Statutes (The Florida Prompt Payment Act). A copy of Resolution No. 95-70 (which includes the policy) is available for viewing during normal business hours at the Office of the Pasco County Clerk of the Circuit Court; 38053 Live Oak Avenue; Department of Secretarial Services, Room 205; Dade City, Florida 33525. Copies of the Resolution may be obtained at a cost of One and 20/100 Dollars (\$1.20). Please make your check payable to Jed Pittman, Clerk of the Circuit Court, and forward payment to the Department of Secretarial Services at the address noted above. For further information, please call (352) 521-4347.

Several payment options are available to successful vendor, upon receipt of a correct invoice:

1. Check may be mailed to the remit address on the invoice. The check is sent to the Post Office the day after BCC approval.
2. Check may be picked up in Dade City. The vendor must pick up the check the day after BCC approval. The successful bidder or contractor must call (352) 521-4599 for detailed instructions.
3. Payment may be wire-transferred to the vendor's bank account. The vendor must call (352) 521-4599 for detailed instructions.

### PAYMENT TERMS AND DISCOUNTS

Unless otherwise indicated in the bid documents, payment terms will be net forty-five (45) days. Terms not consistent with this provision are not acceptable and may be cause for rejection. Pasco County will pay the contractor within forty-five (45) days after the receipt of a correct invoice for reasonable work allocable to the contract or after the date of acceptance of work that

meets contract requirements, whichever event occurs later. Payment(s) are considered effective on the date payment is mailed.

Discounts for prompt payment requiring payment by Pasco County within a stipulated number of days will be interpreted as applying within the stipulated number of calendar days after the date of receipt by Pasco County of a correct invoice describing reasonable work allocable to the contract or after the date of acceptance of work that meets contract requirements, whichever event occurs later. Discounts for payment in less than forty-five (45) days will not be considered during evaluation for award, but may be taken if applicable after award.

Payment for construction services will be in accordance with Chapter 218, Part VII, Florida Statutes (The Florida Prompt Payment Act).

#### PROCUREMENT REGULATIONS

A copy of the Pasco County Procurement Ordinance is available for review at Pasco County Purchasing Department, 8919 Government Drive, New Port Richey, Florida.

#### PUBLIC INFORMATION

Upon public opening of all bids or proposals presented to Pasco County as a result of this solicitation, any and all information contained therein is considered public and may be reviewed by any persons interested in doing so.

#### PURCHASE ORDER REQUIREMENT

Purchases of Pasco County are authorized only if a signed purchase order issued in advance of the transaction, showing that the ordering agency has sufficient funds available to pay for the service. Contractors providing services without a signed purchase order do so at their own risk. Pasco County will not be liable for payment for any services provided under the contract unless a valid purchase order has been issued to the contractor.

#### QUALIFICATIONS OF BIDDERS

The bidder may be required before the award of any contract to show to the complete satisfaction of Pasco County that it has the necessary facilities, ability, and financial resources to provide the service specified therein in a satisfactory manner. The bidder may also be required to give a past history and references in order to satisfy Pasco County in regard to the bidder's qualifications. Pasco County may make reasonable investigations deemed necessary and proper to determine the ability of the bidder to perform the work, and the bidder shall furnish to Pasco County all information for this purpose that may be requested. Pasco County reserves the right to reject any bid if the evidence submitted by, or investigation of, the bidder fails to satisfy Pasco County that the bidder is properly qualified to carry out the obligations of the contract and to complete the work described therein. Evaluation of the bidder's qualifications shall include:

1. The ability, capacity, skill, and financial resources to perform the work or provide the service required.
2. The ability of the bidder to perform the work or provide the service promptly or within the time specified, without delay or interference.
3. The character, integrity, reputation, judgment, experience, and efficiency of the bidder.
4. The quality of performance of previous contracts or services.

### QUALITY OF GOODS

All goods shall be new, in first class condition, and of the manufacturer's latest design of the model presently in production. All materials, supplies, and equipment furnished or services performed under the terms of this purchase order or contractual agreement shall comply with the requirements and standards specified in the Williams-Steiger Occupational Safety and Health Act of 1970 (Public Law 91-596), as well as other applicable Federal, State, and local codes. Equipment and materials furnished by the bidder having serious defects, corrosion, or scratches which tend to present an "other than new" appearance shall be promptly replaced or such defects promptly corrected by the bidder at no cost to Pasco County. Any existing Material Safety Data Sheets (MSDS) for the products, materials, supplies, or equipment being bid must be submitted with the bid. No product containing asbestos, lead paint, or polychlorinated biphenyl (PCB) in any form will be considered for award by Pasco County.

### RECOVERY OF MONEY

Whenever, under the contract, any sum of money shall be recoverable from or payable by the contractor to Pasco County, the same amount may be deducted from any sum due the contractor under the contract or under any other contract between the contractor and Pasco County. The rights of Pasco County are in addition and without prejudice to any other right Pasco County may have to claim the amount of any loss or damage suffered by Pasco County on account of the acts or omissions of the contractor.

### RIGHT TO AUDIT

The contractor shall maintain such financial records and other records as they relate to the purchase of goods and/or services by Pasco County from the subject vendor. The contractor shall retain these records for a period of three (3) years after final payment, or until they are audited by Pasco County, whichever event occurs first. These records shall be made available during the term of the contract and the subsequent three (3) year period for examination, transcription, and audit by Pasco County, its designees, or other authorized bodies.

### RISK OF LOSS

Pasco County shall be relieved from all risks of loss or damage to goods during periods of transportation, manufacture, and the entire time the goods are in the possession of Pasco County prior to acceptance by Pasco County. At such time, the risk of loss or damage for goods shall pass to Pasco County. The bidder/contractor shall not be responsible for damage to the goods occasioned by negligence of Pasco County or its employees.

### TABULATIONS

Solicitation results, plan holder lists, and related information may be retrieved from our website: [www.PascoCountyFL.net](http://www.PascoCountyFL.net). Click on "Bids," click on "closed solicitations," and look for the solicitation number in the appropriate year. Solicitation results will normally be available online within three (3) working days after opening. Lengthy tabulations may not be available online, but may be viewed in the Purchasing Department. Plan holder lists will normally be available two (2) weeks prior to opening. Plan holder lists will be posted once, based on the information at the time, and will not be updated. Tabulations will not be given over the telephone or via fax.

### TAXES

All bids shall be submitted exclusive of direct Federal, State, and local taxes; however, if the bidder believes certain taxes are properly payable, he/she may list such taxes separately in each case directly below the respective item bid price. Prices quoted must be in units specified, and shall not include the cost of any such taxes, including those on any material, supplies, or equipment used or installed in the work. Pasco County does not pay Federal Excise and Sales

Taxes on direct purchases of tangible personal property. See Exemption Number on face of the resulting purchase order. This exemption does not apply to purchases of tangible personal property made by contractors who use the tangible personal property in the performance of contracts for improvement of County-owned real property. Please refer to Chapter 192, Florida Statutes.

**UNSATISFACTORY WORK**

If, at any time during the contract term, the service performed or work done by the contractor is considered by Pasco County to create a condition that threatens the health, safety, or welfare of the community, the contractor shall, on being notified by Pasco County, immediately correct such deficient service or work. In the event the contractor fails, after notice, to correct the deficient service or work immediately, Pasco County shall have the right to order the correction of the deficiency by separate contract or with its own resources at the expense of the contractor. Notwithstanding the above, Pasco County reserves the right to cancel a resulting contract, without cause, by giving thirty (30) days' prior written notice to the contractor of the intention to cancel.

**END OF GENERAL PROVISIONS**

## SPECIAL PROVISIONS

In addition to the General Provisions of this solicitation, these Special Provisions, along with the specifications that follow, apply in like force to this solicitation and to any subsequent contract resulting therefrom.

### INSURANCE REQUIREMENTS

The insurance required must be written by an insurer authorized to do business in the State of Florida and also have an "A" policyholder's rating and a financial rating of at least Class VIII in accordance with the most current *Best's Key Rating Guide*. Prior to the time the contractor is entitled to commence any part of the project, work, or services under this contract, the contractor shall procure, pay for, and maintain at least the following insurance coverages and limits. The said insurance shall be evidenced by delivery to Pasco County of 1) Certificates of Insurance executed by the insurers listing coverages and limits, expiration dates and terms of policies and all endorsements whether or not required by Pasco County, and listing all carriers issuing the said policies; and 2) upon request, a certified copy of each policy, including all endorsements. The insurance requirements shall remain in effect throughout the term of this contract.

1. Workers' Compensation in at least the limits as required by law; Employers' Liability Insurance of not less than One Hundred Thousand and 00/100 Dollars (\$100,000.00) for each accident. The contractor agrees to waive its right of subrogation as part of this coverage.
2. Comprehensive General Liability Insurance including, but not limited to, Independent, Contractor, Contractual, Premises/Operations, Products/Completed Operation and Personal Injury covering the liability assumed under indemnification provisions of this contract, with limits of liability for personal injury and/or bodily injury, including death, of not less than Two Million and 00/100 Dollars (\$2,000,000.00), each occurrence; and property damage of not less than One Million and 00/100 Dollars (\$1,000,000.00), each occurrence. (Combined single limits of not less than Two Million and 00/100 Dollars [\$2,000,000.00], each occurrence, will be acceptable unless otherwise stated.) Coverage shall be on an "occurrence" basis, and the policy shall include Broad Form Property Damage coverage and Fire Legal Liability of not less than Fifty Thousand and 00/100 Dollars (\$50,000.00) per occurrence, unless otherwise stated by exception herein.
3. Comprehensive Automobile and Truck liability covering owned, hired, and nonowned vehicles with combined single limits of not less than One Million and 00/100 Dollars (\$1,000,000.00), each occurrence. Coverage shall be on an "occurrence" basis, such insurance to include coverage for loading and unloading hazards.

Each insurance policy shall include the following conditions by endorsement to the policy:

1. Each policy shall require that thirty (30) days prior to expiration, cancellation, nonrenewal, or any material change in coverages or limits, a notice thereof shall be given to Pasco County by certified mail to: Pasco County Purchasing Department, 8919 Government Drive, New Port Richey, Florida 34654. The contractor shall also notify Pasco County, in a like manner, within twenty-four (24) hours after receipt, of any

notices of expiration, cancellation, nonrenewal, or material change in coverage received by the said contractor from its insurer; and nothing contained herein shall absolve the contractor of this requirement to provide notice.

2. Companies issuing the insurance policy, or policies, shall have no recourse against Pasco County for payment of premiums or assessments for any deductibles that all are at the sole responsibility and risk of the contractor.
3. The term "County" or "Pasco County" shall include all Authorities, Boards, Bureaus, Commissions, Divisions, Departments, and Offices of County and individual members, employees thereof in their official capacities, and/or while acting on behalf of Pasco County.
4. Pasco County BCC shall be endorsed to the required policy or policies as an additional named insured.
5. The policy clause "Other Insurance" shall not apply to any insurance coverage currently held by Pasco County to any such future coverage, or to Pasco County's self-insured retentions of whatever nature.

Pasco County hereby waives subrogation rights for loss or damage against Pasco County.

#### **TRANSPORTATION AND PACKING**

Prices quoted shall be net, including transportation and delivery charges fully prepaid by the seller, f.o.b. various Pasco County sites. No additional charges will be allowed for packing, packages, or partial delivery costs. By submitting their bids, all bidders certify and warrant that the price offered for f.o.b. destination includes only the actual freight rate costs at the lowest and best rate and is based upon actual weight of the goods to be shipped. Standard commercial packaging, packing, and shipping containers shall be used, except as otherwise specified herein.

#### **END OF SPECIAL PROVISIONS**

# **EMERGENCY GENERATORS AND AUTOMATIC TRANSFER SWITCHES PROJECT SPECIFICATIONS**

## **1.0 PART 1 - GENERAL (SCOPE OF PROJECT)**

- 1.1 Pasco County is seeking a qualified contractor to provide and install four (4) complete standby generator systems and transfer switches at four (4) building locations.
- 1.2 The contractor shall be responsible for all foundations, pads, conduits, etc., as may be required to accommodate a complete installation for all components, as may be required by this scope.
- 1.3 The contractor must acquire permitting with Pasco County Central Permitting Division and notify the Florida Department of Environmental Protection (FDEP) by certified letter prior to commencement, no less than thirty (30) days, and again forty-eight (48) hours prior to commencement.
- 1.4 All work is to be inspected by the FDEP, and registrations for the State certification provided to the Facilities Management Department.
- 1.5 Contractors can arrange a site visit by contacting Jeffrey S. Parks, Administrative Services Chief, at (813) 929-1250, or Terence S. Falke, Facilities Management Department at (727) 834-3292.
- 1.6 The location of the sites will be provided to the contractor with a site survey, and the contractor shall coordinate the work required for the installation of the generator and all associated equipment and site preparations with Jeffrey S. Parks, Administrative Services Chief, at (813) 929-1250. It is the contractor's responsibility to locate the fuel tank and generator to meet all set backs from the property line and building.
- 1.7 Intent of Specifications:
  - 1.7.1 All materials, equipment, and parts comprising the unit specified herein shall be new and unused, of current nature, and of the highest grade.
  - 1.7.2 The engine, generator, and all major items of auxiliary equipment shall be manufactured in the U.S. by manufacturers currently engaged in the production of such equipment. The unit shall be shipped to the job site by an authorized dealer having a parts and service facility within a fifty (50) mile radius of the job site. In addition, and in order not to penalize the owner for unnecessary or prolonged periods of time for service or repairs to the emergency system, the bidding generator set supplier must have no less than sixty (60) percent of all engine replacement parts in its stock at all times. Certified proof of this requirement shall be available from the dealer, and a personal inspection of the dealer's facilities may be made by the



designing engineer or his appointed representative to substantiate claims made by the generator set supplier.

- 1.7.3 The emergency standby generator system shall be furnished complete with all materials, apparatus, equipment, components, accessories, fuel tank, exhaust, and cooling systems to provide a complete and operable generating system.
- 1.7.4 The complete emergency standby system shall be the sole responsibility of the generator manufacturer and shall be specifically designed, assembled, and factory tested to assure that such conditions as short circuits and load surges due to motor starting, SCR controllers and over speed, high temperature, overload, and adverse environmental conditions are not likely to render the emergency standby system inoperative.
- 1.7.5 The emergency standby generator system shall be a current production model of a manufacturer regularly engaged in the production of engine-driven generator units for a period of twenty-five (25) years or more.
- 1.7.6 The specified standby kw shall be for continuous electrical service during interruption of the normal utility source.
- 1.8 Specifications and Drawings:
  - 1.8.1 The bidders shall furnish information showing the manufacturer's model numbers, dimensions, and weights for the engine, generator, and major auxiliary equipment. Proposed deviations from the specifications shall be stated in the bid. The successful bidder shall submit copies of the following:
    - 1.8.1.1. Engine generator set, including plans and elevations or riser views clearly indicating entrance points for each of the interconnections required. A copy of the pad recommendation from the generator manufacturer will be included in the submittals to the Facilities Management Department.
    - 1.8.1.2. Engine generator/exciter control cubicle.
    - 1.8.1.3. Ventilation and combustion CFM requirements.
    - 1.8.1.4. Exhaust mufflers and vibration isolators.
    - 1.8.1.5. Battery charger, battery, and battery racks.
    - 1.8.1.6. Fuel connection points.
    - 1.8.1.7. Automatic load transfer switches.
    - 1.8.1.8. Actual electrical diagrams, including schematic diagrams, and interconnection wiring diagrams for all equipment to be approved.
    - 1.8.1.9. Legend for all devices on all diagrams.

1.8.1.10. Sequence of operation explanations for all portions of all schematic wiring diagrams.

1.8.1.11. Remote annunciator to be mounted in the office area of the station.

1.9 Factory Tests:

1.9.1 A certified prototype test certificate shall be furnished at the time of bid, and a certified prototype test supported seal shall be furnished on the generating unit shipped to the job site. The power system consisting of the prime mover, generator, and transfer switches must be tested as a complete system on a representative engineering-type model. The test being potentially damaging to the equipment tested must not be performed on equipment sold.

1.9.2 This prototype test certificate shall assure the owner that the prime mover and generator has reserve capacity beyond design so that surges and transistor overloads are not likely to damage the generator set. The generator, exciter, and voltage regulator characteristics must be matched to the torque curve of the prime mover. Acceptable evidence of this, on the unit delivered to the job site, must undergo the following tests:

1.9.2.1. Calculations must demonstrate that the exciter and voltage regulator will permit utilization of at least eight (80) percent of maximum available prime mover torque at all speeds between fifty (50) percent of rated speed and, with rated load connected to its terminals, will provide fast and positive recovery from transient disturbance.

1.9.2.2. With the generator set operating at rated speed, voltage, and load, reduce speed to half rated by manually overriding the governor control. The generator set must recover to full speed with rated load connected when the governor control is returned to its normal mode.

1.9.3 Determine by using individual thermocouple measurements that all electrical and mechanical components are free of internal hot spots that would result in premature failure of the generator set. Complete thermal evaluation of all electrical parts must include actual measurements by thermocouples of all internal generator and exciter hot spot temperatures. The position measured any place in the windings must not exceed the temperature rise limits of NEMA for the particular type of insulation system used (Class F). Temperature rise measurements by resistance are not acceptable.

1.9.3.1. Establish short circuit capability. The generator must withstand without damage ten (10) short circuits, each of thirty (30) seconds duration. The short-circuit tests shall be applied across all phases when the generator is operating at rated voltage, amperage, power factor, and speed. When short circuits are cleared, the generator must build up voltage and perform normally without manual intervention, such as resetting breakers or other tripping devices. After test disassembly and inspection, the generator must not show any electrical or mechanical damage to any system component.

- 1.9.3.2. Demonstrate the capability of the generator set, its vital controls, and accessories to function reliably and compatibly when in service demands are made by disturbances commonly occurring in actual load circuits, such as surges caused by motor starting, elevator operation, rectifiers, SCR controllers, X-ray equipment, and reactive discharges.
- a. Discover by endurance testing that there are no resonance conditions in the generator set or its accessories that will cause premature fatigue failures of components on production units.
  - b. Prove a margin of safety, in actual trials, between the generator set and its protective system so that the generator set is not weakened or damaged before the protective system would shut down.
  - c. Verify that production generator sets will perform to specifications under all extremes of environment expected in actual service by factory load test at rated p.f., and furnish a notarized copy of the test report.

## 2.0 PART 2 - MATERIALS

### 2.1 Engine Generator:

- 2.1.1 Furnish and install standby generators with alternator sized to maintain a fifteen (15) percent instantaneous voltage dip at starting. The system is to include the following:
- 2.1.1.1. The engine shall be V-6 cylinders, 778-cubic-inch displacement, replaceable wet liners turbo charged, and inter-cooled. Kohler, Caterpillar, Cummins, Katolight, or approved equal.
  - 2.1.1.2. The emergency generator system consisting of a diesel engine directly coupled to A/C generator shall provide fully automatic operation so that the unit takes the full load (life safety) within seven (7) seconds in the event of commercial power failure.
  - 2.1.1.3. Cooling System: Engine-driven radiator fan; the radiator must be rated for an ambient of 105°F; self-sealing, prelubricated coolant pump; blower fan; thermostat controlled; low-water level shutdown in the event of water loss; and high-coolant shutdown controlled at generator panel. Furnish low-water temperature contact.
  - 2.1.1.4. Fuel must be diesel.
  - 2.1.1.5. Automatic crank case heater wired to its own circuit.
- 2.1.2 Governor: Electronic governor, Woodward No. 2301A, shall maintain frequency regulation within  $\pm .25$  percent steady state from no load to full rated load.

- 2.1.3 Lubrication System: Positive displacement, gear design, lube oil pump, full pressure lube to all bearings, full flow oil filters, oil level indicators, oil pressure gauge, low oil pressure shutdown, filters, and lube oil cooler.
- 2.1.4 Prelube System: The engine is to have built-in prelube system when starting to assure lube oil pressure to all parts of the engine. Synchronous speed of 1,800 rpm cannot be obtained unless the oil pressure has reached a preset value.
- 2.1.5 Starting System: Remote twenty-four (24) volt, two (2) wire negative ground starting system, positive shift, gear-engaging starter, and crank limiter. The cranking controller must be located in the generator/engine control panel.
- 2.1.6 Valves: Dual overhead intake and exhaust valves. Heat and corrosion-resistant alloy, steel valve fitting, and valve seat inserts.
- 2.1.7 The engine and generator shall be painted in accordance with the engine supplier's standard colors. Paints shall be lead-free; provide weather-protected enclosure.
- 2.1.8 A unit-mounted thermal circulation-type water heater incorporating a thermostatic switch shall be furnished to maintain jacket water to 70°F. The heater shall be 208-volt single phase, sixty (60) Hertz, and three (3) kw. The unit shall be complete with contactor and thermostat.
- 2.1.9 Engine Instrument Panel: To include water temperature gauge, oil pressure gauge, and alternator ammeter.
- 2.1.10 Safety Shutdown Contactors: Provide and wire to a common junction box on the engine, a set of sensors each for low oil pressure, high jacket water temperature, over speed, and low water level.
- 2.1.11 Steel Base: A structural steel sub-base common to the engine and the generator shall rigidly maintain alignment during static and running operation.
- 2.1.12 Vibration spring-type isolators suitable for this model, as recommended by the generator supplier, shall be installed between the frame and the engine.
- 2.2 Locations:
- |       |   |         |         |        |
|-------|---|---------|---------|--------|
| 2.2.1 | Fire Station No. 15<br>2036 Chesapeake Blvd.<br>Odessa, FL    | 1 Phase | 120/240 | Diesel |
| 2.2.2 | Fire Station No. 18<br>39731 Bay Drive<br>Crystal Springs, FL | 1 Phase | 120/240 | Diesel |
| 2.2.3 | Fire Station No. 28<br>21709 Hale Road<br>Land O' Lakes, FL   | 1 Phase | 120/240 | Diesel |

- 2.2.4 Fire Station No. 35 1 Phase 120/240 Diesel  
9506 Crabtree Drive  
Port Richey, FL
- 2.3 Generator:
- 2.3.1 Eighty (80) kw diesel 125 kva, with alternator sized to maintain fifteen (15) percent instantaneous voltage dip at starting.
- 2.3.2 Provide a single-bearing-type generator close coupled to the engine flywheel housing of the rating herein specified. The temperature rise at this rating shall not exceed 130°C above an ambient of 40°C.
- 2.3.3 The generator shall be self-ventilated, drip proof, rotating field, brushless exciter, and the synchronous type.
- 2.3.4 Other Characteristics Include:
- 2.3.4.1. Voltage regulator 4.50 percent no load to full load.
- 2.3.4.2. Volts per Hertz rheostat.
- 2.3.4.3. Designed for "SCR" loads.
- 2.3.4.4. Three (3) phase sensing.
- 2.3.4.5. Circuit breaker in "VR" for low power factor.
- 2.3.4.6. Permanent magnet short circuit sustained.
- 2.3.5 Battery System: Engine equipped with a set of lead-acid batteries rated 200 ampere hour at twenty-four (24) volts. Furnish a battery rack, battery cable, and acid. Furnish automatic battery charger, current limiting type, complete with ammeter, voltmeter, malfunction contact, 120-volt, AC single-phase input (with cord and plug), and ten (10) ampere DC output. Charger is wall-mounted in NEMA 1 enclosure near battery set.
- 2.3.6 Generator Control Panel: Shall be an electronic modulator microprocessor, wall-mounted type, and shall contain:
- 2.3.6.1. One (1) safeguard field-type circuit breaker (400 AF; 400 A.T.).
- 2.3.6.2. One (1) voltmeter, 0.5 percent.
- 2.3.6.3. One (1) ammeter, 0.5 percent.
- 2.3.6.4. One (1) combination ammeter/voltmeter selector switch for each phase.
- 2.3.6.5. One (1) frequency meter, dial type, 0.3 percent.

- 2.3.6.6. One (1) set of current transformers and potential transformer to be mounted inside of panel.
  - 2.3.6.7. One (1) set of automatic engine start-stop controls, single-crank duration, HOA selector switch, safety shutdown for LOP-HWT-OS-OC-LWL, pilot light for each safety shutdown condition, and mounting of governor raise-lower switch. Furnish dry set of contacts to close if HOA selector switch is in the "off" position for alarm and dry set of safety shutdown contacts for remote annunciation; push to test light push button.
  - 2.3.6.8. One (1) running hour meter.
  - 2.3.6.9. One (1) set of dry contacts for annunciation of all alarms at the remote generator annunciator panel.
  - 2.3.6.10. Exhaust Silencer: Furnish an ultra-critical silencer complete with companion flanges and arranged for end-in/side-out of exhaust gases as shown on drawings. Provide bracket support for horizontal installation. Furnish a stainless steel, flexible exhaust connector, as recommended by the engine manufacturer. All exhaust piping shall be lagged with insulation per manufacturer's recommendations.
  - 2.3.6.11. Provide break-glass-type emergency-stop push button within main electrical room. The electrical contractor shall be responsible for all wiring and conduit.
- 2.3.7 Remote Generator Panel:
- 2.3.7.1. Remote generator annunciator panel shall be provided for remote mounting to give audible and visual warning of fault or alarm conditions of generator set. The panel shall conform with the requirements of the National Electrical Code and the National Fire Protection Association publication NFPA-110 and shall contain, but not be limited to, the following:
    - a. Alarm horn with silence switch and recurring alarm circuitry.
    - b. Low oil pressure - red lens.
    - c. High water temperature - red lens.
    - d. Over speed - red lens.
    - e. Over crank - red lens.
    - f. Loss of engine coolant - red lens.
    - g. Approaching low oil pressure - amber lens.
    - h. Approaching high water temperature - amber lens.

- i. Low water temperature - amber lens.
- j. Battery charger voltage - amber lens
- k. Low battery voltage - amber lens
- l. Control switch not in automatic - red lens.
- m. Generator main open - red lens.
- n. Generator main closed - green lens.
- o. Generator running - green lens.
- p. Remote start/stop switch (without load transfer to generator).
- q. Power failure simulate test switch (with load transfer to generator).
- r. Emergency stop, red "mushroom"-type push button.
- s. All lamps shall be wired to a press-to-test button and will light and flash on a fault or an alarm condition. Engraved, three (3) ply phenolic nameplates mounted on screw-on-type rails for uniformity will identify each function indicated without abbreviation of function description. The face of the panel shall be constructed of stainless steel.
- t. The annunciator panel shall be mounted and wired by the installing contractor in an area designated by Pasco County.

#### 2.3.8 Automatic Transfer Switches:

- 2.3.8.1. Automatic transfer switch (ATS) shall be sized as necessary for each standby generator and as manufactured by Asco, Russell Electric, and Zenith, furnished in NEMA 1 or NEMA 3R, as required. The switch shall be mechanically held and solenoid-operated by a solenoid mechanism energized from the source to which the load is to be transferred.
- 2.3.8.2. Main contacts shall be of silver composition and be protected by arcing contacts. Operating transfer time in either direction shall not exceed one-quarter ( $\frac{1}{4}$ ) of a second, including relay response.
- 2.3.8.3. The ATS shall be furnished with the following accessories mounted and wired:
  - a. Close differential-sensing relays, factory set to drop out at eighty-five (85) percent of nominal and to pick up at ninety-five (95) percent. Voltage and frequency-sensing relay on the emergency source.

- b. Time delay to override momentary outages, adjustable 0.5 to six (6) seconds, set at one (1) second. Provide a digital readout type.
- c. Retransfer to normal time delay, adjustable zero (0) to thirty (30) minutes, set at thirty (30) minutes. Provide a digital readout type.
- d. Adjustable time delay on engine stop after retransfer, zero (0) to five (5) minutes, set at five (5) minutes. Provide a digital readout type.
- e. Transfer to emergency time delay, adjustable zero (0) to one (1) minute, factory set at zero (0) seconds. Provide a digital readout type.
- f. A contact that closes when normal source fails, gold plated for use in engine start circuit.
- g. A contact that operates when normal source fails, gold plated for use in engine battery circuit.
- h. Test switch to simulate momentary normal source failure.
- i. Three (3) auxiliary contacts on the transfer switch which is closed when the switch is on normal.
- j. Three (3) auxiliary contacts on the transfer switch which is open when the switch is on normal.
- k. Normal and emergency pilot lights with green and red lenses, respectively.
- l. Overlapped neutral contact or four (4) pole type.
- m. In-phase monitor.
- n. Exerciser with and without load to automatically start and run the generator each 168 hours for a thirty (30) minute interval.

#### 2.3.9 Diesel Tank:

- 2.3.9.1. One thousand-gallon diesel tank, double-walled.
- 2.3.9.2. Low fuel, float type, fuel gauge on tank is acceptable.
- 2.3.9.3. Leak detector sensor for the interstitial space meeting FDEP requirements.
- 2.3.9.4. Spill bucket with a return pipe built in for spills.
- 2.3.9.5. The tank is to have a twelve (12) foot vent from grade.



- 2.3.9.6. All tanks are to meet FDEP requirements and is be inspected by the Florida Department of Health.
- 2.3.9.7. All valves are to be ball-type fuel rated.
- 2.3.9.8. All exposed metal pipe is to be painted with enamel.
- 2.3.9.9. Storage Tank Facility Registration Form 62-761.900(2) to be filled out forty-five (45) days before setting the tank by the tank contractor/installer and is to be given to the Facilities Management Department, 7220 Osteen Road, New Port Richey, Terence Falke, Maintenance Manager.
- 2.3.10 Generator Pad:
  - 2.3.10.1. Construct reinforced concrete pad to accommodate the generator. Verify and comply with structural requirements and size recommendation of the generator system manufacturer. A copy of the pad recommendation from the generator manufacturer will be included in the submittals to the Facilities Management. Department.
  - 2.3.10.2. Elevation of the pad is to match existing elevation of the fire station per the survey.
- 3.0 PART 3 - EXECUTION
- 3.1 Warranty and Tests:
  - 3.1.1 Equipment and installation furnished shall be guaranteed against defective parts of workmanship under the terms of the manufacturer's and dealer's standard warranties. In no event shall it be for a period of less than two (2) years from the date of acceptance. The warranty is to include full parts and labor during this period without cost to the initial user.
  - 3.1.2 The electric set shall be the manufacturer's standard testing. Prior to acceptance of the installation, the equipment shall be tested to show it will start automatically, subjected to full load test or that load which is available at the job site shutdown, and reset as required in these specifications. Furnish a 250 KVA, unity power factor, load bank test on the generator system for final acceptance. The duration of the test shall be two (2) hours.
- 3.2 Start-up and Instructions:
  - 3.2.1 On completion of the installation, the initial start-up shall be performed by a factory-trained service representative of the engine supplier. At the time of the start-up, operating instruction and maintenance procedures shall be thoroughly explained to the building operating personnel. Three (3) copies of the operating, maintenance, and shop motor service manuals shall be supplied.
  - 3.2.2 A service representative shall demonstrate and test the ability of the engine controls to automatically shut off the engine for hot water temperature, low oil pressure, over speed, and over crank.

- 3.2.3 A trained service representative shall perform all start-up tests. Include sixteen (16) hours of factory service for start-up in bid price.
- 3.3 System Service Contract:
- The supplier of the standby power system must provide a copy and make available to the owner its standard service contract and extended warranty, which at the owner's option, may be accepted or refused. This contract can accompany documents, drawings, etc., submitted for approval. The contract shall be for the complete services rendered over a period of two (2) years.
- 3.4 Scheduled Oil Sampling:
- 3.4.1 In order to forecast and minimize engine failure, the supplier of the equipment shall include as part of its bid quarterly (every three [3] months) oil sampling analyses for a period of two (2) years from the date of acceptance.
- 3.4.2 All equipment needed to take oil samples shall be provided in kit form at the time of acceptance and shall include the following:
- 3.4.2.1. Sample gun kit (one [1]).
- 3.4.2.2. Bottles (five [5]).
- 3.4.2.3. Mailers (five [5]).
- 3.4.2.4. Written instruction (ten [10]).
- 3.4.3 Scheduled oil sampling shall be of the atomic absorption spectro-photometry and shall be accurate to within a fraction of one (1) part per million for the following elements:
- 3.4.3.1. Iron.
- 3.4.3.2. Chromium.
- 3.4.3.3. Copper.
- 3.4.3.4. Aluminum.
- 3.4.3.5. Silicon.
- 3.4.3.6. Water and fuel dilution.
- 3.4.4 Immediate notification shall be provided to the owner when analysis results show any critical reading. If readings are normal, a report showing that the equipment is operating within established requirements shall be provided.

3.4.5 This scheduled oil sampling program shall be made available at an additional cost to the owner beyond the mandatory two (2) year time specified above and shall be optional for the owner to continue the program after that time period has elapsed.

3.5 Damages to Premises:

Damages caused to the building, underground utilities, landscaping, etc., caused by the contractor during the installation and testing of the emergency generator or their components will be the sole responsibility of the contractor to repair or replace at the contractor's expenses.

### **END OF SPECIFICATIONS**

## BID FORM

Business Name: \_\_\_\_\_

Item No.	Description	Lump Sum Bid
1.	Provide and install complete standby generator system and transfer switch at Fire Station No. 15, 2036 Chesapeake Boulevard, Odessa, Florida, per specifications.  Model and Make _____  Warranty _____	\$ _____
2.	Provide and install complete standby generator system and transfer switch at Fire Station No. 18, 39731 Bay Drive, Crystal Springs, Florida, per specifications.  Model and Make _____  Warranty _____	\$ _____
3.	Provide and install complete standby generator system and transfer switch at Fire Station No. 28, 21709 Hale Road, Land O' Lakes, Florida, per specifications.  Model and Make _____  Warranty _____	\$ _____
4.	Provide and install complete standby generator system and transfer switch at Fire Station No. 35, 9506 Crabtree Drive, Port Richey, Florida, per specifications.  Model and Make _____  Warranty _____	\$ _____
GRAND TOTAL		\$ _____

Delivery: \_\_\_\_\_ Calendar Days After Receipt of Order.

"We offer to sell/provide Pasco County, Florida, the above item(s) and/or service(s) at the price(s) stated, in accordance with the terms and conditions contained herein. In addition, the item(s) and/or service(s) offered above meet all specifications contained herein or attached, unless otherwise stipulated by exception. This offer to sell/provide is firm for ninety (90) days."

\_\_\_\_\_  
(Signature of Bidder—Ink)

\_\_\_\_\_  
(Printed Name and Title)

\_\_\_\_\_  
(Business Name)

Receipt of Addendum No. \_\_\_\_\_ through No. \_\_\_\_\_ is acknowledged.

Business Name: \_\_\_\_\_  
(The Name on File with the Internal Revenue Service)

Doing Business as (Fictitious Name): \_\_\_\_\_

Business Organization:

☐ Corporation:

☐ Partnership:      ☐ General      ☐ Limited

☐ Limited Liability Company (LLC):

State Registered In: \_\_\_\_\_ Year: \_\_\_\_\_

☐ Sole Proprietorship:      Owner: \_\_\_\_\_

☐ Other: \_\_\_\_\_

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

Facsimile: \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

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