

SERIAL 06052 S REPAIR AND MAINTENANCE OF U.P.S. SYSTEMS

DATE OF LAST REVISION: March 13, 2009

CONTRACT END DATE: September 30, 2009

CONTRACT PERIOD THROUGH SEPTEMBER 30, 2009

TO: All Departments

FROM: Department of Materials Management

SUBJECT: Contract for **REPAIR AND MAINTENANCE OF U.P.S. SYSTEMS (NIGP 20767)**

Attached to this letter is published an effective purchasing contract for products and/or services to be supplied to Maricopa County activities as awarded by Maricopa County on **September 28 2006**.

All purchases of products and/or services listed on the attached pages of this letter are to be obtained from the vendor holding the contract. Individuals are responsible to the vendor for purchases made outside of contracts. The contract period is indicated above.

Wes Baysinger, Director
Materials Management

CH/bg
Attach

Copy to: Materials Management
 Deborah Overton, SHERIFF'S Telecommunications
 Steve Bartlet, Telecommunications

(Please remove Serial 00171-SC from your contract notebooks)

INVITATION FOR BID FOR: REPAIR AND MAINTENANCE OF U.P.S. SYSTEMS

1.0 INTENT:

To provide, as covered by purchase order only, both full service and preventive maintenance to U.P.S. Systems used by various Maricopa County agencies. Additionally contract **may** provide for the Purchase of new any applicable replacement parts and applicable Engineering services.

Maricopa County will reserve the right to add and/or delete additional units for Repair and Maintenance as applicable through the term of this contract. A limited number of units listed on the Attachment A – Pricing, may be under previously executed service agreement that will expire within the 2007 Calendar year. Maintenance for those units will fall under this contract, to the awarded vendor, upon expiration of their current agreements.

2.0 MINIMUM SPECIFICATIONS:

Supplier shall perform full-service preventative, predictive, and corrective maintenance and provided proactive recommendations on units listed in Attachment A. Per Minimum Scope of Work specifications listed in Attachments D-H as applicable. All work shall be performed so as to have no interference with Maricopa County Operations.

2.1 ADMINISTRATIVE REQUIREMENTS

- 2.1.1 Supplier shall assign an account representative who shall serve as the primary contact for communications regarding this contract and fulfill administrative duties as herein identified.
- 2.1.2 Supplier shall provide detailed Work Plan/Scope of Work procedures for all major maintenance prior to commencing work, especially for maintenance tasks requiring a unit to be shut down and/or removed from service. Procedures shall include back-up and contingency plans.
- 2.1.3 Supplier shall provide an invoice credit for any unit left out of service for more than 48 hours whether such unit has been removed from service at request of Maricopa County, or removed from service by supplier while awaiting spare parts. Any such credit shall be proportional to the ~~Annual~~ ~~monthly~~ maintenance cost for the unit, pro-rated for the out-of-service period of time.
- 2.1.4 Supplier shall obtain signature of Maricopa County representative on work order upon completion of work at designated site.
- 2.1.5 Maricopa County will reserve the right to cancel and cease maintenance on any unit retired/removed from service during the term of this contract. An invoice credit for the full period of time any such equipment is taken out of service shall be provided based on the ~~monthly~~/annual maintenance cost for the unit.
- 2.1.6 Supplier shall notify Maricopa County immediately of any safety or security issues that arise while performing the duties of this agreement and/or while on the property.
- 2.1.7 Supplier shall submit MSDS to Maricopa County representative for all chemicals to be used in the fulfillment of this contract. Chemicals shall not be brought onto the property before an authorization has been granted. The supplier will be responsible for maintaining respective MSDS at necessary equipment.
- 2.1.8 All suppliers must have valid Purchase Order issued by Maricopa County prior to accepting, processing, or shipping or providing services on any and all requests for orders.

2.2 **SERVICE LEVEL REQUIREMENTS**

Full Service Maintenance*:

7 Days X 24 Hour Coverage to include Weekends and Holidays

To include all Parts, Labor and Travel

Minimum of (2) Two Preventative Maintenance visits per (12) Months (U.P.S. Systems & Batteries), Periodic Maintenance Inspections (PMI's) as required, repairing and/or replacing defective or worn out parts, excepting those parts damaged by misuse, accident or negligence on the part of the operator.

*Critical Full Service Maintenance to include (4) Four Preventative Maintenance visits on Batteries

DOES NOT INCLUDE BATTERY REPLACEMENT AND/OR LABOR AND TRAVEL ASSOCIATED WITH BATTERY REPLACEMENT.

ALL REPAIRS ARE TO BE COMPLETED AND THE EQUIPMENT OPERATING 95% OF THE TIME WITHIN 8 HOURS AFTER VENDOR NOTIFICATION

2.2.1 **REMEDIAL MAINTENANCE**

Provide unscheduled remedial maintenance as required during the contracted period following customer notification. Contractor will provide and bear the cost of labor (during the Contracted Period) and parts under this Agreement for maintaining the specified equipment in good operating condition, when such labor and parts are required due to normal wear and tear. Maintenance will include replacement of part(s) necessary. All parts furnished shall be on an exchange basis and will be new O.E.M. standard parts, or parts of equal quality with the approval of Maricopa County. Contractor shall respond to remedial maintenance requests by telephone during the Contracted Period within thirty (30) minutes, and at the job site within 4 - hrs.

Provide unscheduled remedial maintenance for U.P.S. System software and hardware as required. Maintenance problems involving proprietary products that require subcontracting to the manufacturer shall be paid by the Contractor and billed to Maricopa County with a 12.5% markup. All software and hardware maintenance shall be performed at the hourly labor rate specified under Section 3.0 ADDITIONAL SERVICES PRICING, ITEM 3.10.

2.2.1 **PREVENTATIVE MAINTENANCE**

Provide scheduled preventive maintenance (PM) based on the specific needs of the equipment normally between the hours of 7:00 AM to 6:00 PM, Monday through Friday. The County will be notified of PM's due two weeks prior to the actual targeted PM date and the PM will be scheduled at a mutually agreed upon date. Depending on the location of the equipment this maintenance may have to be performed after normal work hours or on weekends.

2.2.1.1 **STANDARD UPS SERVICE** - PM's to include at Minimum - Scope of Work represented in:

EXHIBIT 1 – UPS VRLA BATTERIES

EXHIBIT 2 - UPS WET CELL BATTERIES

2.2.1.2 **STANDARD PDU SYSTEMS SERVICE** - PM's to include at Minimum – Scope of Work represented in:

EXHIBIT 3 – POWER DISTRIBUTION SYSTEMS

- 2.2.1.3 **STANDARD INVERTER SYSTEM SERVICE** - PM's to include at Minimum
– Scope of Work represented in:

EXHIBIT 4 – INVERTER SYSTEMS – WET CELL BATTERIES

EXHIBIT 5 – INVERTER SYSTEMS – VRLA BATTERIES

- 2.2.1.4 **STANDARE RECTIFIER SYSTEMS SERVICE** PM's to include at Minimum
– Scope of Work represented in:

EXHIBIT 6 – RECTIFIER SYSTEMS – VRLA BATTERIES

EXHIBIT 7 – RECTIFIER SYSTEMS – WET CELL BATTERIES

- 2.2.2 **Documentation:** Contractor shall provide maintenance site logs with a complete service history, PM checklists, and general site information. These logs are to remain on site at all times. Schematics and specific documentation regarding the contracted equipment are to remain on site.
- 2.2.3 **Tools & Equipment:** Contractor shall provide all maintenance materials, tools, and all test equipment necessary for the service described herein.
- 2.2.4 All maintenance and repair activities shall be consistent with manufacturer specifications.
- 2.2.5 Supplier shall maintain a 24-Hour call center to receive service calls and promptly dispatch maintenance technicians in response to callback requests and emergency troubleshooting and/or repair.
- 2.2.6 Supplier shall provide emergency callback service effective twenty-four (24) hours a day, seven (7) days per week, 365 days per year, including weekends and holidays.

Response time is to be within four (4) hours, 24 hours per day, 365 days per year.

RESPONSE TIME SHALL BE MEASURED FROM THE TIME THE COUNTY FIRST PLACED A CALL TO THE CONTRACTOR'S MAINTENANCE SERVICE AND ENDS WHEN THE MAINTENANCE REPRESENTATIVE ARRIVES ON SITE READY TO PERFORM REQUIRED SERVICE. Contractor agrees that the response time standard is reasonable and shall meet this standard.

At time of problem call, customer will clearly indicate to the vendor the kind of severity as follows:

- 2.2.6.1 **Emergency** - Mission Critical Systems inoperable and major impact on business. Response time shall be within 2 hrs from original call for service.
- 2.2.6.2 **Urgent** - Production system affected and business in reduced in its capability. Response time shall be within 3 hrs from original call for service.
- 2.2.6.3 **Normal** - Some device down but impact on business is nominal. Response time shall be within 4 hrs from original call for service.
- 2.2.6.4 There shall be no difference in level, quality, responsiveness, or techniques used for service between full service maintenance or time and material.

Each failure to meet the required response time will be recorded by the using agency. FAILURE TO MEET THE RESPONSE TIME REQUIREMENT WILL RESULT IN THE INITIATION OF COUNTY'S DEFAULT POLICY.

- 2.2.7 **ESCALATION** - All repairs shall be performed in expedient and professional manner. All efforts should made to return unit to service as soon as possible, unless otherwise agreed to by Maricopa County. This includes, but is not limited to overtime, air freight, etc.

THE ESCALATION TO THE NEXT HIGHER LEVEL OF ENGINEER IS AS FOLLOWS:

If the initial engineer is unable to have the unit operating within 4 hours, a senior engineer must be called and on site within 1 hour.

If the senior engineer is unable to repair the equipment and have it operating within 4 hours, the OEM or other appropriate expert must be called and be on site within 1 hour.

It is expected that all repairs will be completed within 8 hours 95% of the time.

In the event the equipment manufacturer has issued an “end of life” (no longer supports this series of equipment) letter, and parts are not available to restore the equipment to service within eight (8) hours; the Contractor shall provide a comparable replacement at no cost to the County.

The vendor will be responsible for all the costs associated with the above conditions.

- 2.2.8 A written report by the supplier shall be submitted to Maricopa County upon completion of corrective maintenance service. The report shall include the location of the unit, labor hours, cause of malfunction, details of repair, timeline of events, a description of parts and material used, and any necessary follow-up work required.
- 2.2.9 Supplier shall use original equipment manufacturer (OEM) Replacement parts or like parts meeting OEM specifications.
- 2.2.10 Supplier shall maintain an adequate inventory of frequently used replacement parts allowing for immediate repairs and to meet the specific requirements of the equipment they are awarded to maintain.
- 2.2.11 Supplier shall provide all consumables and supplies.
- 2.2.12 All chemicals shall be removed from the perspective site upon completion of service.
- 2.2.13 Fire Lanes must be kept open at all times.

2.3 **SUPPORT SPECIFICATIONS**

- 2.3.1 In the event repairs require the unit be taken into the shop, a loaner machine will be provided.

2.3.2 **QUALIFIED TECHNICIANS:**

Bidders shall have on staff qualified technical personnel experienced in the maintenance of Equipment bid on. ALL TECHNICAL PUBLICATIONS AND DOCUMENTATION NECESSARY FOR COMPLETE MAINTENANCE IS THE RESPONSIBILITY OF THE VENDOR.

- 2.3.3 Non-routine shop repairs will be authorized based on estimates only. The contractor may suggest units for reconditioning, rebuilding or replacement, which will be addressed in the next fiscal year's budget.

- 2.3.4 Contractor must have access to OEM parts and supplies with a Phoenix inventory base capable of supporting continuous equipment operation. Contractor shall maintain the highest level parts kits on hand for all listed equipment. **In addition, the contractor shall have a local service office within a 25-30 mile radius of the County administration Building (3rd Avenue and Jefferson Street – Downtown Phoenix).**

Contractor shall maintain a local spare parts inventory of 95% for all departments to allow proper maintenance of equipment. The County reserves the right to inspect vendor parts inventory. Central distribution centers are acceptable to help meet this percentage standard if OVERNIGHT DELIVERY is provided and does not result in additional service call to contractor. If a special arrangement with other 3rd party suppliers is necessary to meet the parts standard it is the responsibility of the vendor. No department listed shall experience less than a 95% on hand stock rate on any parts specific to that departments operation.

On-site within 2 hours for system critical designated parts. Onsite within 24 hours for non-system critical designated parts.

If the vendor does not stock a part, the vendor must have written agreements with a third-party and O.E.M. per the arrangements outlined above available for inspection as well.

2.3.5 **RECORDS OF SERVICE:**

The contractor shall maintain a record of all service performed on each machine, including all field or engineering changes performed. THIS SERVICE RECORD SHALL BE AVAILABLE ON-SITE AT THE INSTALLATION AND BE FURNISHED FOR REVIEW IF REQUESTED BY THE COUNTY. The service record shall be an individual record, identifying the machines explicitly, with the complete history of dated service and engineering changes recorded therein. THE CONTRACTOR SHALL ALSO FURNISH THE COUNTY A RECORD OF EVERY CALL, SIGNED BY THE MAINTENANCE REPRESENTATIVE AND THE SENIOR COMPUTER ROOM EMPLOYEE OR ON SITE CONTACT PERSON AT THE COMPLETION OF THE CALL. This record shall at a minimum set forth:

- 2.3.5.1 Time County placed the service request.
- 2.3.5.2 Time contractor's maintenance representative arrived on site.
- 2.3.5.3 Explicit identification of machine(s) serviced and a record of the EXACT service action, including parts replaced, if any.
- 2.3.5.4 Problem initially reported by the County.
- 2.3.5.5 A record of time the County held the machine preventing maintenance by the maintenance representative.
- 2.3.5.6 Time of completion of the call and actual hours spent on service.
- 2.3.5.7 Start and complete date.

The contractor will also furnish a copy of the service call, with the above information, including signatures of both parties attached to the billable invoices. The signature of the County representative does not signify that the equipment is operating as required. The County will determine this by operation, and in doing so the quality of service.

2.4 **FACILITIES:**

During the course of this Contract, the County shall provide the Contractor's personnel with adequate workspace for consultants and such other related facilities as may be required by Contractor to carry out its obligation enumerated herein.

2.5 **TAX:**

No tax shall be levied against labor. It is the responsibility of the Contractor to determine any and all taxes and include the same in proposal price.

2.6 **DELIVERY:**

It shall be the Contractor's responsibility to meet the proposed delivery requirements. Maricopa County reserves the right to obtain services on the open market in the event the Contractor fails to make delivery and any price differential will be charged against the Contractor.

2.7 **SUBCONTRACTING:**

Vendor shall disclose and shall include in their submission any applicable subcontracting relationships applicable to providing service to Maricopa County under this contract. Supplier shall fully disclose the duties and assignments of responsibilities of such relationships.

2.8 **MASTER SERVICE AGREEMENTS:**

The specifications listed herein will serve as the minimum requirements applicable to providing service under this contract. Maricopa County and the applicable using departments/agencies will not be subject to additional Terms and Conditions of Master Service Agreements. No such agreements will be considered and/or executed by Maricopa County under this contract.

3.0 **SPECIAL TERMS & CONDITIONS:**

3.1 **CONTRACT TERM:**

This Invitation for Bid is for awarding a firm, fixed price purchasing contract to cover a Three (3) year period.

3.2 **OPTION TO EXTEND:**

The County may, at their option and with the approval of the Contractor, extend the period of this Contract up to a maximum of TWO (2), one (1) year options. The Contractor shall be notified in writing by the Materials Management Department of the County's intention to extend the contract period at least thirty (30) calendar days prior to the expiration of the original contract period.

3.3 **PRICE ADJUSTMENTS:**

Any requests for reasonable price adjustments must be submitted sixty (60) days prior to the Contract expiration date. Requests for adjustment in cost of labor and/or materials must be supported by appropriate documentation. If County agrees to the adjusted price terms, County shall issue written approval of the change. The reasonableness of the request will be determined by comparing the request with the (Consumer Price Index) or by performing a market survey.

3.4 **INDEMNIFICATION AND INSURANCE:**

3.4.1 **INDEMNIFICATION**

To the fullest extent permitted by law, Contractor shall defend, indemnify, and hold harmless County, its agents, representatives, officers, directors, officials, and employees from and against all claims, damages, losses and expenses, including, but not limited to, attorney fees, court costs, expert witness fees, and the cost of appellate proceedings, relating to, arising out of, or alleged to have resulted from the negligent acts, errors, omissions or mistakes relating to the performance of this Contract. Contractor's duty to defend, indemnify and hold harmless County, its agents, representatives, officers, directors, officials, and employees shall arise in connection with any claim, damage, loss or expense that is attributable to bodily injury, sickness, disease, death, or injury to, impairment, or destruction of property, including loss of use resulting there from, caused by any negligent acts, errors, omissions or mistakes in the performance of this Contract including any person for whose acts, errors, omissions or mistakes Contractor may be legally liable.

The amount and type of insurance coverage requirements set forth herein will in no way be construed as limiting the scope of the indemnity in this paragraph.

The scope of this indemnification does not extend to the sole negligence of County.

3.5 INSURANCE REQUIREMENTS

Contractor, at Contractor's own expense, shall purchase and maintain the herein stipulated minimum insurance from a company or companies duly licensed by the State of Arizona and possessing a current A.M. Best, Inc. rating of B++6. In lieu of State of Arizona licensing, the stipulated insurance may be purchased from a company or companies, which are authorized to do business in the State of Arizona, provided that said insurance companies meet the approval of County. The form of any insurance policies and forms must be acceptable to County.

All insurance required herein shall be maintained in full force and effect until all work or service required to be performed under the terms of the Contract is satisfactorily completed and formally accepted. Failure to do so may, at the sole discretion of County, constitute a material breach of this Contract.

Contractor's insurance shall be primary insurance as respects County, and any insurance or self-insurance maintained by County shall not contribute to it.

Any failure to comply with the claim reporting provisions of the insurance policies or any breach of an insurance policy warranty shall not affect the County's right to coverage afforded under the insurance policies.

The insurance policies may provide coverage that contains deductibles or self-insured retentions. Such deductible and/or self-insured retentions shall not be applicable with respect to the coverage provided to County under such policies. Contractor shall be solely responsible for the deductible and/or self-insured retention and County, at its option, may require Contractor to secure payment of such deductibles or self-insured retentions by a surety bond or an irrevocable and unconditional letter of credit.

County reserves the right to request and to receive, within 10 working days, certified copies of any or all of the herein required insurance policies and/or endorsements. County shall not be obligated, however, to review such policies and/or endorsements or to advise Contractor of any deficiencies in such policies and endorsements, and such receipt shall not relieve Contractor from, or be deemed a waiver of County's right to insist on strict fulfillment of Contractor's obligations under this Contract.

The insurance policies required by this Contract, except Workers' Compensation, and Errors and Omissions, shall name County, its agents, representatives, officers, directors, officials and employees as Additional Insureds.

The policies required hereunder, except Workers' Compensation, and Errors and Omissions, shall contain a waiver of transfer of rights of recovery (subrogation) against County, its agents, representatives, officers, directors, officials and employees for any claims arising out of Contractor's work or service.

Contractor is required to procure and maintain the following coverages indicated by a checkmark:

3.5.1 Commercial General Liability:

Commercial General Liability insurance and, if necessary, Commercial Umbrella insurance with a limit of not less than \$1,000,000 for each occurrence, \$2,000,000 Products/Completed Operations Aggregate, and \$2,000,000 General Aggregate Limit. The policy shall include coverage for bodily injury, broad form property damage, personal injury, products and completed operations and blanket contractual coverage, and

shall not contain any provision which would serve to limit third party action over claims. There shall be no endorsement or modification of the CGL limiting the scope of coverage for liability arising from explosion, collapse, or underground property damage.

3.5.2 Automobile Liability:

Commercial/Business Automobile Liability insurance and, if necessary, Commercial Umbrella insurance with a combined single limit for bodily injury and property damage of not less than \$1,000,000 each occurrence with respect to any of the Contractor's owned, hired, and non-owned vehicles assigned to or used in performance of the Contractor's work or services under this Contract.

3.5.3 Workers' Compensation:

Workers' Compensation insurance to cover obligations imposed by federal and state statutes having jurisdiction of Contractor's employees engaged in the performance of the work or services under this Contract; and Employer's Liability insurance of not less than \$100,000 for each accident, \$100,000 disease for each employee, and \$500,000 disease policy limit. (N.B. - \$1,000,000 limits on larger contracts)

Contractor waives all rights against County and its agents, officers, directors and employees for recovery of damages to the extent these damages are covered by the Workers' Compensation and Employer's Liability or commercial umbrella liability insurance obtained by Contractor pursuant to this Contract.

3.5.4 Certificates of Insurance.

3.5.4.1 Prior to commencing work or services under this Contract, Contractor shall furnish the County with certificates of insurance, or formal endorsements as required by the Contract in the form provided by the County, issued by Contractor's insurer(s), as evidence that policies providing the required coverage, conditions and limits required by this Contract are in full force and effect. Such certificates shall identify this contract number and title.

3.5.4.2 Cancellation and Expiration Notice.

Insurance required herein shall not be permitted to expire, be canceled, or materially changed without thirty (30) days prior written notice to the County.

3.6 NO GUARANTEED QUANTITIES.

The Respondent understands and hereby acknowledges that the County makes no representations nor guarantees the Respondent any minimum or maximum number of units of service to be provided under this Contract

3.7 ORDERING AUTHORITY.

3.7.1 Respondents should understand that any request for purchase of materials or services shall be accompanied by a valid purchase order, issued by Materials Management, or by a Certified Agency Procurement Aid (CAPA).

3.7.2 Maricopa County departments, cities, other counties, schools and special districts, universities, nonprofit educational and public health institutions may also purchase from under this Contract at their discretion and/or other state and local agencies (Customers) may procure the products under this Contract by the issuance of a purchase order to the Respondent. Purchase orders must cite the Contract number.

3.7.3 Contract award is in accordance with the Maricopa County Procurement Code. All requirements for the competitive award of this Contract have been met. A purchase order

for the products is the only document necessary for Customers to purchase and for the Respondent to proceed with delivery of materials available under this Contract.

- 3.7.4 Any attempt to represent any product not specifically awarded under this Contract is a violation of the Contract. Any such action is subject to the legal and contractual remedies available to the County, inclusive of, but not limited to, Contract cancellation, suspension and/or debarment of the Respondent.

3.8 INQUIRIES AND NOTICES:

All inquiries concerning information herein shall be addressed to:
MARICOPA COUNTY
DEPARTMENT OF MATERIALS MANAGEMENT
ATTN: CONTRACT ADMINISTRATION
320 W. LINCOLN ST.
PHOENIX, AZ 85003

Administrative telephone inquiries shall be addressed to:

LONNIE CUNICO, PROCUREMENT OFFICER, 602-506-3243
(cunicol@mail.maricopa.gov)

3.9 EVALUATION CRITERIA.

- 3.9.1 The evaluation of Bids will be based on, but will not be limited to, the following:

3.9.1.1 Compliance with specifications.

3.9.1.2 Price.

3.9.1.3 Determination of Responsibility.

- 3.9.2 The County reserves the right to award in whole or in part, by item or group of items, by section or geographic area, or make multiple awards, where such action serves the County's best interest.

3.10 SUBMISSION PRICE CLARITY.

For reasons of clarity all submissions of pricing (Attachment A) shall be priced in the same unit (size, volume, quantity, weight, etc.) as the bid specifications request. Submissions (bids) failing to comply with this requirement may be declared non-responsive.

3.11 INSTRUCTIONS FOR PREPARING AND SUBMITTING BIDS.

Respondents shall provide one (1) original hardcopy (labeled), one (1) hardcopy copies and one (1) electronic copies, including pricing, on CD. Respondents are to identify their responses with the bid serial number, title and return address to Maricopa County, Department of Materials Management, 320 West Lincoln, Phoenix, Arizona 85003. **The owner, corporate official or partner who has been authorized to make such commitments must sign bids.**

3.12 RESPONDENT REVIEW OF DOCUMENTS.

The Respondent must review its Bid submission to assure the following requirements are met.

- 3.12.1 **Mandatory:** One (1) original hardcopy (labeled), **one (1)** hardcopy copies of Catalogs and/or Price Lists and one (1) electronic copy of pricing on a CD;

- 3.12.2 **Mandatory:** Attachment "A", Pricing;

3.12.3 **Mandatory:** Attachment “B”, Agreement; and

3.12.4 **Mandatory:** Attachment “C”, References.

3.13 POST AWARD MEETING:

The successful Respondent(s) shall be required to attend a post-award meeting with the Using Agency to discuss the terms and conditions of the Contract. This meeting will be coordinated by the Procurement Officer of the Contract.

Exhibit 1

Gruber Power Services

Preventive Maintenance Procedures

Uninterruptible Power Systems & VRLA Batteries

Visual Inspection

- Check area for any safety concerns that may affect the safety of the technician and or the customer.
- Check subassemblies, wiring harnesses, contacts, cables and other major components for burns or broken wires.
- Clean or replace all air filters.
- Check all fans for slow start and free rotation.
- Check AC input and output for proper wiring, grounding and verify to NEC code standards.
- Check input and output grounding is proper and sufficient for customer application.
- Check and record alarm logs.
- Check all circuit boards and connections for cleanliness and or possible problems.
- Check all breakers, power connections, fuses and controls for excessive heating or swelling via thermal scan and reading.
- Check AC and DC capacitors for swelling or leakage.
- Check for DC capacitor vent caps that have extruded more than 1/8".
- Check all nuts, bolts, screws and connectors for tightness and heat discoloration.

Power Checks

- Check input voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check output voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check bypass voltage and frequency for proper available power.
- Check input power and harmonic filters for proper operation and balance.
- Check output power and harmonic filters for proper operation and balance.
- With customer approval, perform operational test of the system including unit transfer and battery discharge.
- Review system performance with customer to address any questions and to schedule any repairs, depending on availability of customer.

Internal Component Checks

- Check and calibrate any logic and control signals as specified in the manufacturer's maintenance procedures.
- Check all indicators and meters for proper operation and calibration adjusting as necessary in accordance to the manufacturer's maintenance procedures.
- Check and calibrate all power supply settings in accordance with manufacturer's specified settings.
- Check rectifier voltage and current balance for proper operation.
- Check inverter voltages and balance for proper operation.
- Check static switch voltages and inspect for any leakage.
- Check fuses on the DC capacitor deck for continuity if applicable.
- Install or perform Engineering Field Change Notices (FCN) as necessary.

External Environmental Checks

- Check ambient temperature of the UPS room.
- Check location for cleanliness and accessibility.

VRLA Battery System

- Inspect the appearance and cleanliness of all batteries, connectors, cabinet(s) or rack(s), and room(s).
- Check each battery for signs of damage to the case, cover or terminals, staining of the case, terminals or surrounding areas, excessive swelling, evidence of melting or thermal damage to the cover and terminal post-seal plus support cabinet(s) or rack(s) for signs of physical damage, corrosion, etc.
- Confirm battery cabinet(s) or rack(s) hardware integrity and tighten connections as necessary.
- Clean and retighten all terminal connectors and check for NO-OX grease or oil on all connections (when needed and/or accessible).
- Check system float voltage and current and adjust if necessary to manufacturer's specified settings.
- Measure and record DC bus ripple voltage when applicable.
- Measure and record all internal impedance readings.
- Measure and record all battery connection resistances in micro-ohms when applicable.
- Measure individual battery temperatures and check for any hot spots or readings which are out of the manufacturer's recommended temperature variance when accessible.
- Perform individual battery load testing when accessible.
- Record battery date codes, number of cells and strings.

Exhibit 2

Gruber Power Services

Preventive Maintenance Procedures

Uninterruptible Power Systems & Wet Cell Batteries

Visual Inspection

- Check area for any safety concerns that may affect the safety of the technician and or the customer.
- Check subassemblies, wiring harnesses, contacts, cables and other major components for burns or broken wires.
- Clean or replace all air filters.
- Check all fans for slow start and free rotation.
- Check AC input and output for proper wiring, grounding and verify to NEC code standards.
- Check input and output grounding is proper and sufficient for customer application.
- Check and record alarm logs.
- Check all circuit boards and connections for cleanliness and or possible problems.
- Check all breakers, power connections, fuses and controls for excessive heating or swelling via thermal scan and reading.
- Check AC and DC capacitors for swelling or leakage.
- Check for DC capacitor vent caps that have extruded more than 1/8".
- Check all nuts, bolts, screws and connectors for tightness and heat discoloration.

Power Checks

- Check input voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check output voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check bypass voltage and frequency for proper available power.
- Check input power and harmonic filters for proper operation and balance.
- Check output power and harmonic filters for proper operation and balance.
- With customer approval, perform operational test of the system including unit transfer and battery discharge.
- Review system performance with customer to address any questions and to schedule any repairs, depending on availability of customer.

Internal Component Checks

- Check and calibrate any logic and control signals as specified in the manufacturer's maintenance procedures.
- Check all indicators and meters for proper operation and calibration adjusting as necessary in accordance to the manufacturer's maintenance procedures.
- Check and calibrate all power supply settings in accordance with manufacturer's specified settings.
- Check rectifier voltage and current balance for proper operation.
- Check inverter voltages and balance for proper operation.
- Check static switch voltages and inspect for any leakage.
- Check fuses on the DC capacitor deck for continuity if applicable.
- Install or perform Engineering Field Change Notices (FCN) as necessary.

External Environmental Checks

- Check ambient temperature of the UPS room.
- Check location for cleanliness and accessibility.

Wet Cell Battery System

- Inspect the appearance and cleanliness of all battery cells, connectors, racks, and room(s).
- Check each jar, cover, post seal, and arrestor vent for electrolyte leaks, cracks, bulges, and other abnormalities. Record all problems found in the service report.
- Identify all terminal, connector, and rack corrosion build-up locations.
- Complete the following for each clear jar cell:
 - Examine all positive and negative plates (and straps) for proper color and condition, noting any buckling, warping, scaling, swelling, cracking, mousing, sulfating, or hydrating.
 - Check the sediment chamber build-up and separator condition.
 - Record any excessive cell gassing.
 - Check for proper electrolyte level.
- Neutralize all electrolyte leaks and spills, and remove remaining residue. Clean dust, dirt, and debris from all cell tops and racks.
- Measure and record the following for all cells:
 - Overall float voltage at + and - terminals for entire battery.
 - Individual cell float voltages.
 - Electrolyte temperatures and levels.
 - Electrolyte specific gravity's corrected for cell temperatures and levels (prior to adding any water).
 - Inter-cell, interior, inter-row, and inter-aisle connector resistance's (in micro-ohms).
- Measure and record in the logbook the following for all designated pilot cells (20% of total):
 - Electrolyte temperatures and levels.
 - Electrolyte specific gravity's corrected for cell temperatures and levels (prior to adding any water).
- Measure and record in the service report terminal connector resistances (in micro-ohms) for all cells in random order.
- Retorque all connectors to inch-pound values recommended by battery manufacturer.
- Measure and record the DC ripple voltage and current being sent to the battery by the charger.
- Check panel meters for accuracy and record in the service report the findings.
- Measure and record in the service report the ambient air temperatures in two locations, each at opposite ends of the battery room.
- Confirm correct battery room exhaust system operation.
- Confirm battery rack hardware integrity. Tighten connections as necessary.
- Record in the service report; dates, cell numbers, and amounts of distilled/deionized water added to each cell to maintain proper electrolyte levels.

EXHIBIT 3

Gruber Power Services Preventive Maintenance Procedures Power Distribution Systems

Visual Inspection

- Check area for any safety concerns that may affect the safety of the technician and or the customer.
- Check subassemblies, wiring harnesses, contacts, cables and other major components for burns or broken wires.
- Check all fans for slow start and free rotation.
- Check AC input and output for proper wiring, grounding and verify to NEC code standards.
- Check input and output grounding is proper and sufficient for customer application.
- Check and record alarm logs.
- Check all circuit boards and connections for cleanliness and or possible problems.
- Check all breakers, power connections, fuses and controls for excessive heating or swelling via thermal scan and reading.
- Check all nuts, bolts, screws and connectors for tightness and heat discoloration.
- Thoroughly inspect all blue flex cables and receptacles if applicable.

Power Checks

- Check input voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check output voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check input power for proper operation and balance.
- Check output power for proper operation and balance.
- Re-tap transformer as necessary to compensate for changes in input voltage.
- Review system performance with customer to address any questions and to schedule any repairs, depending on availability of customer.

Internal Component Checks

- Check and calibrate any logic and control signals as specified in the manufacturer's maintenance procedures.
- Check all indicators and meters for proper operation and calibration adjusting as necessary in accordance to the manufacturer's maintenance procedures.
- Check and calibrate all power supply settings in accordance with manufacturer's specified settings.
- Install or perform Engineering Field Change Notices (FCN) as necessary.

External Environmental Checks

- Check ambient temperature of the PDU room.
- Check location for cleanliness and accessibility.

EXHIBIT 4

Gruber Power Services Preventive Maintenance Procedures Inverter Systems & Wet Cell Batteries

Visual Inspection

- Check area for any safety concerns that may affect the safety of the technician and or the customer.
- Check subassemblies, wiring harnesses, contacts, cables and other major components for burns or broken wires.
- Clean or replace all air filters.
- Check all fans for slow start and free rotation.
- Check AC input and output for proper wiring, grounding and verify to NEC code standards.
- Check input and output grounding is proper and sufficient for customer application.
- Check and record alarm logs.
- Check all circuit boards and connections for cleanliness and or possible problems.
- Check all breakers, power connections, fuses and controls for excessive heating or swelling via thermal scan and reading.
- Check AC and DC capacitors for swelling or leakage.
- Check for DC capacitor vent caps that have extruded more than 1/8".
- Check all nuts, bolts, screws and connectors for tightness and heat discoloration.

Power Checks

- Check input voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check output voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check bypass voltage and frequency for proper available power.
- Check input power and harmonic filters for proper operation and balance.
- Check output power and harmonic filters for proper operation and balance.
- With customer approval, perform operational test of the system including unit transfer and battery discharge.
- Review system performance with customer to address any questions and to schedule any repairs, depending on availability of customer.

Internal Component Checks

- Check and calibrate any logic and control signals as specified in the manufacturer's maintenance procedures.
- Check all indicators and meters for proper operation and calibration adjusting as necessary in accordance to the manufacturer's maintenance procedures.
- Check and calibrate all power supply settings in accordance with manufacturer's specified settings.
- Check rectifier voltage and current balance for proper operation.
- Check inverter voltages and balance for proper operation.
- Check static switch voltages and inspect for any leakage.
- Check fuses on the DC capacitor deck for continuity if applicable.
- Install or perform Engineering Field Change Notices (FCN) as necessary.

External Environmental Checks

- Check ambient temperature of the UPS room.
- Check location for cleanliness and accessibility.

Wet Cell Battery System

- Inspect the appearance and cleanliness of all battery cells, connectors, racks, and room(s).
- Check each jar, cover, post seal, and arrestor vent for electrolyte leaks, cracks, bulges, and other abnormalities. Record all problems found in the service report.
- Identify all terminal, connector, and rack corrosion build-up locations.
- Complete the following for each clear jar cell:
 - Examine all positive and negative plates (and straps) for proper color and condition, noting any buckling, warping, scaling, swelling, cracking, mousing, sulfating, or hydrating.
 - Check the sediment chamber build-up and separator condition.
 - Record any excessive cell gassing.
 - Check for proper electrolyte level.
- Neutralize all electrolyte leaks and spills, and remove remaining residue. Clean dust, dirt, and debris from all cell tops and racks.
- Measure and record the following for all cells:
 - Overall float voltage at + and - terminals for entire battery.
 - Individual cell float voltages.
 - Electrolyte temperatures and levels.
 - Electrolyte specific gravity's corrected for cell temperatures and levels (prior to adding any water).
 - Inter-cell, interior, inter-row, and inter-aisle connector resistance's (in micro-ohms).
- Measure and record in the logbook the following for all designated pilot cells (20% of total):
 - Electrolyte temperatures and levels.
 - Electrolyte specific gravity's corrected for cell temperatures and levels (prior to adding any water).
- Measure and record in the service report terminal connector resistances (in micro-ohms) for all cells in random order.
- Retorque all connectors to inch-pound values recommended by battery manufacturer.
- Measure and record the DC ripple voltage and current being sent to the battery by the charger.
- Check panel meters for accuracy and record in the service report the findings.
- Measure and record in the service report the ambient air temperatures in two locations, each at opposite ends of the battery room.
- Confirm correct battery room exhaust system operation.
- Confirm battery rack hardware integrity. Tighten connections as necessary.
- Record in the service report; dates, cell numbers, and amounts of distilled/deionized water added to each cell to maintain proper electrolyte levels.

EXHIBIT 5

Gruber Power Services

Preventive Maintenance Procedures

Inverter Systems & VRLA Batteries

Visual Inspection

- Check area for any safety concerns that may affect the safety of the technician and or the customer.
- Check subassemblies, wiring harnesses, contacts, cables and other major components for burns or broken wires.
- Clean or replace all air filters.
- Check all fans for slow start and free rotation.
- Check AC input and output for proper wiring, grounding and verify to NEC code standards.
- Check input and output grounding is proper and sufficient for customer application.
- Check and record alarm logs.
- Check all circuit boards and connections for cleanliness and or possible problems.
- Check all breakers, power connections, fuses and controls for excessive heating or swelling via thermal scan and reading.
- Check AC and DC capacitors for swelling or leakage.
- Check for DC capacitor vent caps that have extruded more than 1/8".
- Check all nuts, bolts, screws and connectors for tightness and heat discoloration.

Power Checks

- Check input voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check output voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check bypass voltage and frequency for proper available power.
- Check input power and harmonic filters for proper operation and balance.
- Check output power and harmonic filters for proper operation and balance.
- With customer approval, perform operational test of the system including unit transfer and battery discharge.
- Review system performance with customer to address any questions and to schedule any repairs, depending on availability of customer.

Internal Component Checks

- Check and calibrate any logic and control signals as specified in the manufacturer's maintenance procedures.
- Check all indicators and meters for proper operation and calibration adjusting as necessary in accordance to the manufacturer's maintenance procedures.
- Check and calibrate all power supply settings in accordance with manufacturer's specified settings.
- Check rectifier voltage and current balance for proper operation.
- Check inverter voltages and balance for proper operation.
- Check static switch voltages and inspect for any leakage.
- Check fuses on the DC capacitor deck for continuity if applicable.
- Install or perform Engineering Field Change Notices (FCN) as necessary.

External Environmental Checks

- Check ambient temperature of the inverter room.
- Check location for cleanliness and accessibility.

VRLA Battery System

- Inspect the appearance and cleanliness of all batteries, connectors, cabinet(s) or rack(s), and room(s).
- Check each battery for signs of damage to the case, cover or terminals, staining of the case, terminals or surrounding areas, excessive swelling, evidence of melting or thermal damage to the cover and terminal post-seal plus support cabinet(s) or rack(s) for signs of physical damage, corrosion, etc.
- Confirm battery cabinet(s) or rack(s) hardware integrity and tighten connections as necessary.
- Clean and retighten all terminal connectors and check for NO-OX grease or oil on all connections (when needed and/or accessible).
- Check system float voltage and current and adjust if necessary to manufacturer's specified settings.
- Measure and record DC bus ripple voltage when applicable.
- Measure and record all internal impedance readings.
- Measure and record all battery connection resistances in micro-ohms when applicable.
- Measure individual battery temperatures and check for any hot spots or readings which are out of the manufacturer's recommended temperature variance when accessible.
- Perform individual battery load testing when accessible.
- Record battery date codes, number of cells and strings.

EXHIBIT 6

Gruber Power Services

Preventive Maintenance Procedures

Rectifier Systems & VRLA Batteries

Visual Inspection

- Check area for any safety concerns that may affect the safety of the technician and or the customer.
- Check subassemblies, wiring harnesses, contacts, cables and other major components for burns or broken wires.
- Check all fans for slow start and free rotation.
- Check AC input and output for proper wiring, grounding and verify to NEC code standards.
- Check input and output grounding is proper and sufficient for customer application.
- Check and record alarm logs.
- Check all circuit boards and connections for cleanliness and or possible problems.
- Check all breakers, power connections, fuses and controls for excessive heating or swelling via thermal scan and reading.
- Check AC and DC capacitors for swelling or leakage.
- Check for DC capacitor vent caps that have extruded more than 1/8".
- Check all nuts, bolts, screws and connectors for tightness and heat discoloration.

Power Checks

- Check input voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check output voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check input power and harmonic filters for proper operation and balance.
- Check output power and harmonic filters for proper operation and balance.
- With customer approval, perform operational test of the system including unit transfer and battery discharge.
- Review system performance with customer to address any questions and to schedule any repairs, depending on availability of customer.

Internal Component Checks

- Check and calibrate any logic and control signals as specified in the manufacturer's maintenance procedures.
- Check all indicators and meters for proper operation and calibration adjusting as necessary in accordance to the manufacturer's maintenance procedures.
- Check and calibrate all power supply settings in accordance with manufacturer's specified settings.
- Check rectifier voltage and current balance for proper operation.
- Check inverter voltages and balance for proper operation.
- Check static switch voltages and inspect for any leakage.
- Check fuses on the DC capacitor deck for continuity if applicable.
- Install or perform Engineering Field Change Notices (FCN) as necessary.

External Environmental Checks

- Check ambient temperature of the rectifier room.
- Check location for cleanliness and accessibility.

VRLA Battery System

- Inspect the appearance and cleanliness of all batteries, connectors, cabinet(s) or rack(s), and room(s).
- Check each battery for signs of damage to the case, cover or terminals, staining of the case, terminals or surrounding areas, excessive swelling, evidence of melting or thermal damage to the cover and terminal post-seal plus support cabinet(s) or rack(s) for signs of physical damage, corrosion, etc.
- Confirm battery cabinet(s) or rack(s) hardware integrity and tighten connections as necessary.
- Clean and retighten all terminal connectors and check for NO-OX grease or oil on all connections (when needed and/or accessible).
- Check system float voltage and current and adjust if necessary to manufacturer's specified settings.
- Measure and record DC bus ripple voltage when applicable.
- Measure and record all internal impedance readings.
- Measure and record all battery connection resistances in micro-ohms when applicable.
- Measure individual battery temperatures and check for any hot spots or readings which are out of the manufacturer's recommended temperature variance when accessible.
- Perform individual battery load testing when accessible.
- Record battery date codes, number of cells and strings.

EXHIBIT 7

Gruber Power Services Preventive Maintenance Procedures Rectifier Systems & Wet Cell Batteries

Visual Inspection

- Check area for any safety concerns that may affect the safety of the technician and or the customer.
- Check subassemblies, wiring harnesses, contacts, cables and other major components for burns or broken wires.
- Check all fans for slow start and free rotation.
- Check AC input and output for proper wiring, grounding and verify to NEC code standards.
- Check input and output grounding is proper and sufficient for customer application.
- Check and record alarm logs.
- Check all circuit boards and connections for cleanliness and or possible problems.
- Check all breakers, power connections, fuses and controls for excessive heating or swelling via thermal scan and reading.
- Check AC and DC capacitors for swelling or leakage.
- Check for DC capacitor vent caps that have extruded more than 1/8".
- Check all nuts, bolts, screws and connectors for tightness and heat discoloration.

Power Checks

- Check input voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check output voltage, amperage, and frequency readings for proper levels and balance. Also check power quality and harmonic distortion levels on special request.
- Check input power and harmonic filters for proper operation and balance.
- Check output power and harmonic filters for proper operation and balance.
- With customer approval, perform operational test of the system including unit transfer and battery discharge.
- Review system performance with customer to address any questions and to schedule any repairs, depending on availability of customer.

Internal Component Checks

- Check and calibrate any logic and control signals as specified in the manufacturer's maintenance procedures.
- Check all indicators and meters for proper operation and calibration adjusting as necessary in accordance to the manufacturer's maintenance procedures.
- Check and calibrate all power supply settings in accordance with manufacturer's specified settings.
- Check rectifier voltage and current balance for proper operation.
- Check inverter voltages and balance for proper operation.
- Check static switch voltages and inspect for any leakage.
- Check fuses on the DC capacitor deck for continuity if applicable.
- Install or perform Engineering Field Change Notices (FCN) as necessary.

External Environmental Checks

- Check ambient temperature of the rectifier room.
- Check location for cleanliness and accessibility.

Wet Cell Battery System

- Inspect the appearance and cleanliness of all battery cells, connectors, racks, and room(s).
- Check each jar, cover, post seal, and arrestor vent for electrolyte leaks, cracks, bulges, and other abnormalities. Record all problems found in the service report.
- Identify all terminal, connector, and rack corrosion build-up locations.
- Complete the following for each clear jar cell:
 - Examine all positive and negative plates (and straps) for proper color and condition, noting any buckling, warping, scaling, swelling, cracking, mousing, sulfating, or hydrating.
 - Check the sediment chamber build-up and separator condition.
 - Record any excessive cell gassing.
 - Check for proper electrolyte level.
- Neutralize all electrolyte leaks and spills, and remove remaining residue. Clean dust, dirt, and debris from all cell tops and racks.
- Measure and record the following for all cells:
 - Overall float voltage at + and - terminals for entire battery.
 - Individual cell float voltages.
 - Electrolyte temperatures and levels.
 - Electrolyte specific gravity's corrected for cell temperatures and levels (prior to adding any water).
 - Inter-cell, interior, inter-row, and inter-aisle connector resistance's (in micro-ohms).
- Measure and record in the logbook the following for all designated pilot cells (20% of total):
 - Electrolyte temperatures and levels.
 - Electrolyte specific gravity's corrected for cell temperatures and levels (prior to adding any water).
- Measure and record in the service report terminal connector resistances (in micro-ohms) for all cells in random order.
- Retorque all connectors to inch-pound values recommended by battery manufacturer.
- Measure and record the DC ripple voltage and current being sent to the battery by the charger.
- Check panel meters for accuracy and record in the service report the findings.
- Measure and record in the service report the ambient air temperatures in two locations, each at opposite ends of the battery room.
- Confirm correct battery room exhaust system operation.
- Confirm battery rack hardware integrity. Tighten connections as necessary.
- Record in the service report; dates, cell numbers, and amounts of distilled/deionized water added to each cell to maintain proper electrolyte levels.

GRUBER TECHNICAL INC. 21613 N. 2ND AVENUE, PHOENIX, AZ 85027

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: YES NO

ACCEPT PROCUREMENT CARD: YES NO

REBATE (CASH OR CREDIT) FOR UTILIZING PROCUREMENT CARD: YES NO % REBATE
 (Payment shall be made within 48 hrs utilizing the Purchasing Card)

INTERNET ORDERING CAPABILITY: YES NO % DISCOUNT

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: YES NO

PAYMENT TERMS: NET 30

1.0 SERVICE PRICING

Location Specifications provided below are provided as Best of Knowledge information on current inventory and configuration.

If after award any of the specifications are determined to be incorrect - awarded vendor will be provided opportunity to adjust their pricing accordingly

MANUFACTURER	LOCATION	MODEL	QTY	KVA	FULL SERVICE Per Sec. 2.2 (2) PM's U.P.S. System (2) PM's BATTERIES ANNUAL PRICE (Each Unit)	CRITICAL FULL SERVICE Per Sec. 2.2 (2) PM's U.P.S. Systems (4) PM's BATTERIES ANNUAL PRICE (Each Unit)
APC	MCSO Data Center - 2656 N. 37th Ave. Phoenix, AZ. 85009	SL0901449	3	40KVA	\$2,255.00	\$2,715.00
LIEBERT	MCSO - 102 W. Madison - Phoenix, AZ. 85003	AP340	1	30KVA	\$1,870.00	\$2,310.00
LIEBERT	Flood Control District - 2801 W. Durango St. - Phoenix, AZ. 85009	PPA050C	1	50KVA	\$2,335.00	\$2,835.00
MITSUBISHI	County Telecom - West Court Building - 111 S. 3rd Ave. - Lower Level - Phoenix, AZ. 85003	7000 Series	1	10KVA	\$670.00	\$990.00

GRUBER TECHNICAL INC. 21613 N. 2ND AVENUE, PHOENIX, AZ 85027

MANUFACTURER	LOCATION	MODEL	QTY	KVA	FULL SERVICE Per Sec. 2.2 (2) PM's U.P.S. System (2) PM's BATTERIES ANNUAL PRICE (Each Unit)	CRITICAL FULL SERVICE Per Sec. 2.2 (2) PM's U.P.S. Systems (4) PM's BATTERIES ANNUAL PRICE (Each Unit)
MITSUBISHI	County Telecom - West Court Building - 111 S. 3rd Ave. - Lower Level - Phoenix, AZ. 85003	9700 Series	1	100KVA	<u>\$2,650.00</u>	<u>\$3,240.00</u>
MITSUBISHI	County Telecom - West Court Building - 111 S. 3rd Ave. - Lower Level - Phoenix, AZ. 85003	7000 Series	1	8KVA	<u>\$590.00</u>	<u>\$890.00</u>
MITSUBISHI	County Telecom - West Court Building - 111 S. 3rd Ave. - Lower Level - Phoenix, AZ. 85003	7011 Series	7	6KVA	<u>\$560.00</u>	<u>\$840.00</u>
LIEBERT	Flood Control District - 2801 W. Durango St. - Phoenix, AZ. 85009	AP340	1	30KVA	<u>\$1,870.00</u>	<u>\$2,310.00</u>
LIEBERT	MCDOT - 2901 W. Durango St.- Phoenix, AZ. 85009		2	75KVA	<u>\$2,455.00</u>	<u>\$3,005.00</u>
COMPAQ	Emergency Mgmt. - 2035 N. 52nd. St. - Phoenix, AZ 85008	R6000	1	6KVA	<u>\$560.00</u>	<u>\$840.00</u>
POWERWARE	Human Services - 234 N. Central Ave. - Phoenix, AZ. 85004	9330	1	15KVA	<u>\$1,635.00</u>	<u>\$1,975.00</u>
BEST	MCDOT - 2901 W. Durango St.- Phoenix, AZ. 85009	FC3KVA	1	5.3KVA	<u>\$530.00</u>	<u>\$800.00</u>
EXIDE ELECTRONICS	County Admin. - 301 W. Jefferson St. - Phoenix, AZ. 85003	150ES	1	150KVA	<u>\$3,205.00</u>	<u>\$3,845.00</u>
EXIDE ELECTRONICS	Elections - 111 S. 3rd Ave. - Phoenix, AZ. 85003	ES 80	1	80KVA	<u>\$2,540.00</u>	<u>\$3,090.00</u>

GRUBER TECHNICAL INC. 21613 N. 2ND AVENUE, PHOENIX, AZ 85027

RADIO TOWER SITES (RTS)

Final 4x4 leg of route to remote sites to be provided by MC Wireless Systems (If Necessary).

ADDITIONAL LOCATION INFORMATION IS PROVIDED ON EXHIBIT 2

MANUFACTURER	LOCATION	MODEL	QTY	KVA	FULL SERVICE Per Sec. 2.2 (2) PM's U.P.S. System (2) PM's BATTERIES ANNUAL PRICE (Each Unit)	CRITICAL FULL SERVICE Per Sec. 2.2 (2) PM's U.P.S. Systems (4) PM's BATTERIES ANNUAL PRICE (Each Unit)
BEST	RTS - Thompson Peak	FE1215KVA	1	12.5KVA	<u>\$1,425.00</u>	<u>\$2,155.00</u>
BEST	RTS - White Tanks	FE7KVA/10C	1	7KVA	<u>\$1,185.00</u>	<u>\$1,875.00</u>
BEST	RTS - Yarnell	FE7KVA/10C	1	7KVA	<u>\$1,185.00</u>	<u>\$1,875.00</u>
BEST	RTS - Chandler	FE7KVA/20C	1	7KVA	<u>\$1,185.00</u>	<u>\$1,875.00</u>
POWERWARE	RTS - Mt. Gillen	PW9170	1	9KVA	<u>\$1,200.00</u>	<u>\$1,900.00</u>
BEST	RTS - Humbolt	FE7KVA/20C	1	7KVA	<u>\$1,185.00</u>	<u>\$1,875.00</u>
BEST	RTS - South East Center	FE7KVA/20C	1	7KVA	<u>\$1,185.00</u>	<u>\$1,875.00</u>
BEST	RTS - Smith Peak	FE7KVA/20C	1	7KVA	<u>\$1,185.00</u>	<u>\$1,875.00</u>
BEST	RTS - Oatman Mountain	FE7KVA/20C	1	7KVA	<u>\$1,185.00</u>	<u>\$1,875.00</u>
BEST	RTS - Mt. Ord.	FE7KVA/20C	1	7KVA	<u>\$1,185.00</u>	<u>\$1,875.00</u>
BEST	RTS - Durango 1	FE7KVA/20C	1	7KVA	<u>\$1,185.00</u>	<u>\$1,875.00</u>
BEST	RTS - Durango 2	FE1215KVA	1	12.5KVA	<u>\$1,425.00</u>	<u>\$2,155.00</u>
BEST	RTS - Central Courts	FE7KVA/20A	1	7KVA	<u>\$1,185.00</u>	<u>\$1,875.00</u>

GRUBER TECHNICAL INC. 21613 N. 2ND AVENUE, PHOENIX, AZ 85027

2.0 NEW PURCHASE PRICING (OPTIONAL)*

	<u>MANUFACTURER</u>	<u>REPAIR PARTS</u>	<u>BATTERY MFG</u>	<u>% OFF List</u>
2.1	APC	5% OFF List	GRUBER	50% OFF List
2.2	BEST	5% OFF List		
2.5	EXIDE	5% OFF List		
2.6	LIEBERT	5% OFF List		
2.7	MINUTEMAN	5% OFF List		
2.11	POWERWARE	5% OFF List		
2.12	TRIPP-LITE	5% OFF List		

DOES YOUR FIRM CHARGE FOR ENGINEERING SERVICES RELATED TO NEW INSTALLS?

NO

3.0 ADDITIONAL SERVICES PRICING

For Additional Service Requirements outside scope of Annual Maintenance Agreements

	<u>LABOR DESCRIPTION</u>		
3.1	Electrical Installation	<u>\$70.00</u>	/HR
3.2	Engineering Services	<u>\$70.00</u>	/HR
3.3	Power Quality Survey/Load Balancing	<u>\$70.00</u>	/HR
3.4	UPS On-Site Repair	<u>\$115.00</u>	/HR
3.5	PDU On-Site Repair	<u>\$115.00</u>	/HR
3.6	Inverter Systems On-Site Repair	<u>\$115.00</u>	/HR
3.7	Rectifier Systems On-Site Repair	<u>\$115.00</u>	/HR
3.8	Battery Replacement	<u>\$115.00</u>	/HR
3.9	Travel Portal to Portal	<u>\$115.00</u>	/HR
3.10	Software/Hardware Maintenance (§2.2.1)	<u>\$115.00</u>	/HR

GRUBER TECHNICAL INC. 21613 N. 2ND AVENUE, PHOENIX, AZ 85027

Equipment List – Maricopa County Durango Jail

Unit	Equip #	Building	Location	Model #	Serial #	Full Service Annual Maintenance Per Sec. 2.2
40kVA Mitsubishi UPS	401914	1951	Sheriff's Training Academy	UP2033C	03-GN91Q104	\$2,255.00
5kVA GE UPS	402963	1952	Property & Evidence	LANPRO	L051U18/0248A001	\$530.00
3kVA Powerware UPS	401776	1961	Lower Buckeye Jail Detention	9170	C651N3000A025477	\$462.00
3kVA Powerware UPS	401675	1961	Lower Buckeye Jail Detention	9170	C651N3000A025482	\$462.00
3kVA Powerware UPS	401731	1961	Lower Buckeye Jail Detention	9170	C651N3000A025551	\$462.00
3kVA Powerware UPS	401803	1961	Lower Buckeye Jail Detention	9170	C651N3000A025480	\$462.00
3kVA Powerware UPS	401680	1961	Lower Buckeye Jail Detention	9170	C651N3000A025552	\$462.00
9kVA Powerware UPS	401700	1961	Lower Buckeye Jail Detention	9170	C651N9000A025470	\$668.00
9kVA Powerware UPS	401798	1961	Lower Buckeye Jail Detention	9170	C651N9000A025501	\$668.00
9kVA Powerware UPS	401818	1961	Lower Buckeye Jail Detention	9170	C651N9000A025500	\$668.00
9kVA Powerware UPS	401836	1961	Lower Buckeye Jail Detention	9170	C651N9000A025502	\$668.00
9kVA Powerware UPS	401659	1961	Lower Buckeye Jail Detention	9170	C651N9000A025498	\$668.00
15kVA Powerware UPS	401665	1961	Lower Buckeye Jail Detention	15	EU354AXX06	\$1,635.00
18kVA Powerware UPS	401494	1961	Lower Buckeye Jail Detention	9170	C651N018KA025660	\$1,673.00
18kVA Powerware UPS	401517	1961	Lower Buckeye Jail Detention	9170	C651N018KA025421	\$1,673.00
25kVA Powerware UPS	401666	1961	Lower Buckeye Jail Detention	9330-40/25	EU372AXX10	\$1,783.00
25kVA Powerware UPS	402953	1961	Lower Buckeye Jail Detention	9330-40/25	EU334AXX13	\$1,783.00
25kVA Powerware UPS	402958	1961	Lower Buckeye Jail Detention	9330-40/25	EU334AXX07	\$1,783.00
25kVA Powerware UPS	402960	1961	Lower Buckeye Jail Detention	9330-40/25	EU334AXX12	\$1,783.00
35kVA Powerware UPS	401809	1961	Lower Buckeye Jail Detention	9330-40/35	EU335AXX01	
500VA Powerware UPS	402948	1962	Food Factory – Inmate Entrance	FE500VA	FE500V26160	\$392.00
1.8kVA Powerware UPS	402946	1962	Food Factory Central Plant	FE1.8KVA	FE1.8K26578	\$449.00
3.1kVA Powerware UPS	402950	1962	Food Factory Hallway	FE3.1KVA	FE3.1K27350	\$462.00
3.1kVA Powerware UPS	402407	1962	Food Factory – LBJ	FE3.1KVA	FE3.1K27348	\$462.00
7kVA Powerware UPS	402951	1962	Food Factory Central Plant	FE7KVA	FE7K06342	\$574.00
7kVA Powerware UPS	402405	1962	Food Factory Administration 164	FE7KVA	FE7K06343	\$574.00
5.3kVA Powerware UPS	402409	1963	Laundry Central Plant	FE5.3KVA	FE5.3K06956	\$530.00
4.3kVA Powerware UPS	402955	1964	Lower Buckeye Jail Central Plant	FE4.3KVA	FE4.3K07665	\$493.00
3.1kVA Powerware UPS	402411	1968	Truck Wash Central Plant	FE3.1KVA	FE3.1K27349	\$462.00

GRUBER TECHNICAL INC. 21613 N. 2ND AVENUE, PHOENIX, AZ 85027

PRICING SHEET: ~~B0700070/ C705004/~~ NIGP 2076701

Terms:	NET 30
Vendor Number:	W000007059 X
Telephone Number:	877/447-8237
Fax Number:	877/947-8237
Contact Person:	Tim Gruber
E-mail Address:	gr2@gruber.com
Company Web Site:	www.gruberpowers.com
Certificates of Insurance	Required
Contract Period:	To cover the period ending September 30, 2009.