

| SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, AND 30 | | | | 1. REQUISITION NUMBER F9WFC49267AC02 | | PAGE 1 OF 10 | | | |
|--|--|--|------------------|--|---|---|------------------|-----------------------------------|------------|
| 2. CONTRACT NO. FA8771-04-D-0005 | | 3. AWARD/EFFECTIVE DATE 30-Sep-2009 | | 4. ORDER NUMBER 2Y12 | | 5. SOLICITATION NUMBER | | 6. SOLICITATION ISSUE DATE | |
| 7. FOR SOLICITATION INFORMATION CALL: | | a. NAME | | | | b. TELEPHONE NUMBER (No Collect Calls) | | 8. OFFER DUE DATE/LOCAL TIME | |
| 9. ISSUED BY NGB-ZC-AQ - W9133L 1411 JEFFERSON DAVIS HWY ARLINGTON VA 22202-3231 TEL: FAX: 703-607-1742 | | CODE W9133L | | 10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED <input type="checkbox"/> SET ASIDE: % FOR <input type="checkbox"/> SB <input type="checkbox"/> HUBZONE SB <input type="checkbox"/> 8(A) <input type="checkbox"/> SVC-DISABLED VET-OWNED SB <input type="checkbox"/> EMERGING SB SIZE STD: NAICS: | | 11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE <input type="checkbox"/> 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) 13b. RATING 14. METHOD OF SOLICITATION <input type="checkbox"/> RFQ <input type="checkbox"/> IFB <input type="checkbox"/> RFP | | 12. DISCOUNT TERMS Net 30 Days | |
| 15. DELIVER TO F9WFC4 1411 JEFFERSON DAVIS HWY ARLINGTON VA 22202-3231 | | CODE F9WFC4 | | 16. ADMINISTERED BY SEE ITEM 9 | | | | | |
| 17a. CONTRACTOR/OFFEROR NCI INFORMATION SYSTEMS, INC. ROSLYN STEELE 11730 PLAZA AMERICA DRIVE RESTON VA 20190-4764 TEL. 703-707-6713 | | CODE OMX49 | | 18a. PAYMENT WILL BE MADE BY DFAS - LIMESTONE - F67100 ATTN: VENDOR PAY PO BOX 369020 COLUMBUS OH 43236-9020 | | CODE F67100 | | | |
| <input type="checkbox"/> 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER | | 18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a. UNLESS BLOCK BELOW IS CHECKED <input checked="" type="checkbox"/> SEE ADDENDUM | | | | | | | |
| 19. ITEM NO. | | 20. SCHEDULE OF SUPPLIES/ SERVICES | | | 21. QUANTITY | | 22. UNIT | 23. UNIT PRICE | 24. AMOUNT |
| SEE SCHEDULE | | | | | | | | | |
| 25. ACCOUNTING AND APPROPRIATION DATA See Schedule | | | | | | 26. TOTAL AWARD AMOUNT (For Govt. Use Only) \$7,873,355.17 | | | |
| <input type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1. 52.212-4. FAR 52.212-3. 52.212-5 ARE ATTACHED. ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED | | | | | | <input type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA <input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED | | | |
| 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN COPIES <input type="checkbox"/> TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN. | | | | | 29. AWARD OF CONTRACT: REFERENCE <input type="checkbox"/> OFFER DATED . . . YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS: | | | | |
| 30a. SIGNATURE OF OFFEROR/CONTRACTOR | | | | 31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER) | | | 31c. DATE SIGNED | | |
| | | | | <i>Chris Pettigrew</i> | | | 30-Sep-2009 | | |
| 30b. NAME AND TITLE OF SIGNER (TYPE OR PRINT) | | | 30c. DATE SIGNED | | 31b. NAME OF CONTRACTING OFFICER (TYPE OR PRINT) CHRISTINE B. PETTIGREW / CONTRACTING OFFICER TEL: 703 607-1226 EMAIL: [REDACTED] | | | | |

**SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS
(CONTINUED)**

| 19. ITEM NO. | 20. SCHEDULE OF SUPPLIES/ SERVICES | 21. QUANTITY | 22. UNIT | 23. UNIT PRICE | 24. AMOUNT |
|----------------------------|------------------------------------|--------------|----------|----------------|------------|
| <p>SEE SCHEDULE</p> | | | | | |

32a. QUANTITY IN COLUMN 21 HAS BEEN
 RECEIVED INSPECTED ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: _____

| | | |
|--|-----------|---|
| 32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE | 32c. DATE | 32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE |
|--|-----------|---|

| | |
|--|---|
| 32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE | 32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE |
| | 32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE |

| | | | | |
|-----------------|--------------------|---------------------------------|--|------------------|
| 33. SHIP NUMBER | 34. VOUCHER NUMBER | 35. AMOUNT VERIFIED CORRECT FOR | 36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL | 37. CHECK NUMBER |
|-----------------|--------------------|---------------------------------|--|------------------|

| | | |
|------------------------|------------------------|-------------|
| 38. S/R ACCOUNT NUMBER | 39. S/R VOUCHER NUMBER | 40. PAID BY |
|------------------------|------------------------|-------------|

| | | |
|---|-----------------------------------|--------------------------------------|
| 41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT | 42a. RECEIVED BY (<i>Print</i>) | |
| 41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER | 41c. DATE | 42b. RECEIVED AT (<i>Location</i>) |
| | | 42c. DATE REC'D (<i>YY/MM/DD</i>) |

Section SF 1449 - CONTINUATION SHEET

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|----------------|----------------|
| 0001 | LABOR FFP INSTALLATION, DOCUMENTATION AND PROJECT MANAGEMENT TO SUPPORT SAN UPGRADE. FOB: Destination PURCHASE REQUEST NUMBER: F9WFC49267AC02 SIGNAL CODE: A | 1 | Lot | \$848,328.00 | \$848,328.00 |
| | | | | NET AMT | \$848,328.00 |
| | ACRN AA CIN: F9WFC49267AC020000AA | | | | \$848,328.00 |
| 0002 | MATERIALS FFP PER THE ASSOCIATED LIST OF MATERIALS (LOM) FOB: Destination PURCHASE REQUEST NUMBER: F9WFC49267AC02 SIGNAL CODE: A | 1 | Lot | \$6,966,752.17 | \$6,966,752.17 |
| | | | | NET AMT | \$6,966,752.17 |
| | ACRN AA CIN: F9WFC49267AC020000AA | | | | \$6,966,752.17 |

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|--------------------------------------|--|----------|------|-------------|-------------|
| 0003 | TRAVEL FFP TRAVEL WILL BE FOLLOWED IN ACCORDANCE WITH (JTR). OTHER DIRECT COST (ODC) FOB: Destination PURCHASE REQUEST NUMBER: F9WFC49267AC02 SIGNAL CODE: A | 1 | Lot | \$58,275.00 | \$58,275.00 |
| | | | | | NET AMT |
| | | | | | \$58,275.00 |
| ACRN AA CIN: F9WFC49267AC020000AA | | | | | \$58,275.00 |

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

| CLIN | INSPECT AT | INSPECT BY | ACCEPT AT | ACCEPT BY |
|------|-------------|------------|-------------|------------|
| 0001 | Destination | Government | Destination | Government |
| 0002 | Destination | Government | Destination | Government |
| 0003 | Destination | Government | Destination | Government |

DELIVERY INFORMATION

| CLIN | DELIVERY DATE | QUANTITY | SHIP TO ADDRESS | UIC |
|------|---------------|----------|---|--------|
| 0001 | 30-SEP-2010 | 1 | F9WFC4 1411 JEFFERSON DAVIS HWY ARLINGTON VA 22202-3231 FOB: Destination | F9WFC4 |
| 0002 | 30-SEP-2010 | 1 | (SAME AS PREVIOUS LOCATION) FOB: Destination | F9WFC4 |
| 0003 | 30-SEP-2010 | 1 | (SAME AS PREVIOUS LOCATION) FOB: Destination | F9WFC4 |

ACCOUNTING AND APPROPRIATION DATA

AA: 5793840 589 4ITF 164220 010000 44000 55393F 667100 F67100

AMOUNT: \$7,873,355.17

CIN F9WFC49267AC020000AA: \$7,873,355.17

CLAUSES INCORPORATED BY FULL TEXT

252.232-7003 ELECTRONIC SUBMISSION OF PAYMENT REQUESTS AND RECEIVING REPORTS
(MAR 2008)

(a) Definitions. As used in this clause--

(1) Contract financing payment and invoice payment have the meanings given in section 32.001 of the Federal Acquisition Regulation.

(2) Electronic form means any automated system that transmits information electronically from the initiating system to all affected systems. Facsimile, e-mail, and scanned documents are not acceptable electronic forms for submission of payment requests. However, scanned documents are acceptable when they are part of a submission of a payment request made using Wide Area WorkFlow (WAWF) or another electronic form authorized by the Contracting Officer.

(3) Payment request means any request for contract financing payment or invoice payment submitted by the Contractor under this contract.

(b) Except as provided in paragraph (c) of this clause, the Contractor shall submit payment requests and receiving reports using WAWF, in one of the following electronic formats that WAWF accepts: Electronic Data Interchange, Secure File Transfer Protocol, or World Wide Web input. Information regarding WAWF is available on the Internet at <https://wawf.eb.mil/>.

(c) The Contractor may submit a payment request and receiving report using other than WAWF only when--

(1) The Contracting Officer authorizes use of another electronic form. With such an authorization, the Contractor and the Contracting Officer shall agree to a plan, which shall include a timeline, specifying when the Contractor will transfer to WAWF;

(2) DoD is unable to receive a payment request or provide acceptance in electronic form;

(3) The Contracting Officer administering the contract for payment has determined, in writing, that electronic submission would be unduly burdensome to the Contractor. In such cases, the Contractor shall include a copy of the Contracting Officer's determination with each request for payment; or

(4) DoD makes payment for commercial transportation services provided under a Government rate tender or a contract for transportation services using a DoD-approved electronic third party payment system or other exempted vendor payment/invoicing system (e.g., PowerTrack, Transportation Financial Management System, and Cargo and Billing System).

(d) The Contractor shall submit any non-electronic payment requests using the method or methods specified in Section G of the contract.

(e) In addition to the requirements of this clause, the Contractor shall meet the requirements of the appropriate payment clauses in this contract when submitting payments requests.

(End of clause)

ADDITIONAL INFORMATION

1. GOVERNMENT CONTRACTING PERSONNEL:

a. The Contracting point(s) of contact for this contract will be the following:

Contract Specialist:

[REDACTED], [REDACTED]
Office: 703-607-1217

Address:

National Guard Bureau (NGB-ZC-AQ)
1411 Jefferson Davis Highway, Suite 8100
Arlington, VA 22202-3231
Fax: 703-607-1742

b. All contracting actions and/or correspondence should be forwarded through the COR appointed in the contract schedule.

2. CONTRACTING OFFICER'S REPRESENTATIVE (COR):

a. The Contracting Officer has appointed the following individuals as the primary and alternate COR for this contract:

Primary COR:

[REDACTED]
703-607-2092

Technical Point of Contact: [REDACTED]
703-607-5623

Address:

HQ NGB/A6/A6X
Chief Of Operations
1411 Jefferson Davis Hwy
Arlington, VA 22202

b. The COR will act as the Contracting Officer's representative for technical matters, providing technical direction and discussion as necessary with respect to the specification or statement of work, and monitoring the progress and quality of the contractor's performance. The COR is NOT an Administrative Contracting Officer (ACO) and does not have authority to take any action, either directly or indirectly, that would change the pricing, quantity, quality, place of performance, delivery schedule, or any other term and condition of the contract, or to direct the accomplishment of effort that goes beyond the scope the statement of work in the contract.

- c. When, in the opinion of the contractor, the COR requests efforts outside the existing scope of the contract, the contractor shall promptly notify the contracting officer in writing. The contractor under such direction shall take no action until the contracting officer has resolved the issue or has otherwise issued a modification to the contract.
- d. In the absence of the Primary COR named above (due to reasons such as leave, illness, and official travel), all responsibilities and functions assigned to the Primary COR shall be the responsibility of the Alternate COR (if appointed) acting on behalf of the Primary COR.

3. ACCOUNTING FOR CONTRACT SERVICES:

The Secretary of the Army has implemented Accounting for Contract Services. This initiative has been put in place to obtain better visibility of the contractor service workforce. The Assistant Secretary of the Army (Manpower and Reserve Affairs) and the Assistant Secretary of the Army (Acquisition, Logistics and Technology) have implemented guidance to comply with this DoD Business Initiative Council (BIC) sponsored initiative. These contract reporting requirements are mandatory. By acceptance of this contract and performance under this contract, the contractor agrees to comply with these reporting requirements.

The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure Army data collection site [Contractor Manpower Reporting (CMR) System] where the contractor will report ALL contractor manpower (including sub-contractor manpower) required for performance of this contract. The contractor is required to completely fill in all the information in the format using the following web address:

<https://contractormanpower.army.pentagon.mil>

The required information includes: (1) Contracting Office, Contracting Officer, Contracting Officer's Technical Representative; (2) Contract number, including task and delivery order number; (3) Beginning and ending dates covered by reporting period; (4) Contractor name, address, phone number, e-mail address, identity of contractor employee entering data; (5) Estimated direct labor hours (including sub-contractors); (6) Estimated direct labor dollars paid this reporting period (including sub-contractors); (7) Total payments (including sub-contractors); (8) Predominant Federal Service Code (FSC) reflecting services provided by contractor (and separate predominant FSC for each sub-contractor if different); (9) Estimated data collection cost; (10) Organizational title associated with the Unit Identification Code (UIC) for the Army Requiring Activity (National Guard Bureau UIC is W00QFF); (11) Locations where contractor and sub-contractors perform the work (specified by zip code in the United States and nearest city, country, when in an overseas location, using standardized nomenclature provided on website); (12) Presence of deployment or contingency contract language; and (13) Number of contractor and sub-contractor employees deployed in theater this reporting period (by country). As part of its submission, the contractor will also provide the estimated total cost (if any) incurred to comply with this reporting requirement. Reporting period will be the period of performance not to exceed 12 months ending September 30 of each government fiscal year and must be reported by 31 October of each calendar year. Contractors may use a direct XML data transfer to the database server or fill in the fields on the website. The XML direct transfer is a format for transferring files from a contractor's systems to the secure web site without the need for separate data entries for each required data element at the web site. The specific formats for the XML direct transfer may be downloaded from the web site.

4. GENERAL INVOICE PREPARATION & SUBMITTAL INSTRUCTIONS:

- a. An invoice is a written and/or electronic request for payment under the contract for supplies delivered or for services rendered. In order to be proper, an invoice must include, as applicable, the following:

- i. Name and address of the contractor
 - ii. Invoice Date
 - iii. Contract Number, or other authorization for supplies delivered or services performed (including order number and contract line item number)
 - iv. Name and address of contractor official to who payment is to be sent (must be the same as that in the contract or on a proper notice of assignment)
 - v. Name (where practical), title, phone number and mailing address of person to notified in the event of a defective invoice.
 - vi. Any other information or documentation required by other requirements of the contract (such as evidence of shipment)
- b. Invoices should match terms and CLIN structure of the contract for ease of payment by Defense Finance and Accounting Service (DFAS).
 - c. Invoices shall be processed for approval and payment within 5 working days of the completion of work.
 - d. Receipt of payments by a representative of the contractor's designated bank shall constitute a full accord and satisfaction of the Government's obligation under the contract to the extent of the amount of the payment made.
 - e. This contract requires invoice submittal in accordance with Wide Area Workflow (WAWF). Submit one electronic original of all invoices to DFAS. IMPORTANT: DFAS must receive electronic submittal from the contractor in compliance with DFARS 252.232-7003. The COR(s) will certify all invoices for payment. For payment inquiries after submittal, please contact the DFAS Customer Service Desk or visit the Vendor Pay Inquiry System at the following web address:
<http://www.dfas.mil/money/vendor/>

5. WIDE AREA WORKFLOW INVOICE INSTRUCTIONS:

Contractor shall submit payment request using the following method(s) as mutually agreed to by the Contractor, the Contracting Officer, the contract administration office, and the payment office.

- Wide Area Workflow (WAWF) (see instructions below)*
- Web Invoicing System (WInS)(<https://ecweb.dfas.mil>)*
- American National Standards Institute (ANSI) X.12 electronic data interchange (EDI) formats (<http://www.X12.org> and <http://www.dfas.mil/ecedi>)*
- Other (please specify) _____*

DFAS POC and Phone: DFAS LIMESTONE, 1-800-756-4571, Option 2, option 3

WAWF is the preferred method to electronically process vendor request for payment. This application allows DOD vendors to submit and track Invoices and Receipt/Acceptance documents electronically. Contractors electing to use WAWF shall (i) register to use WAWF at <https://wawf.eb.mil> and (ii) ensure an electronic business point of contact (POC) is designated in the Central Contractor Registration site at <http://www.ccr.gov> within ten (10) calendar days after award of this contract/order.

Questions concerning payments should be directed to the Defense Finance and Accounting Service (DFAS) Limestone (F67100) at 1-800-756-4571, Option 2, option 3 or faxed to 1-866-392-7091. Please have your purchase order/contract number ready when calling about payments.

You can easily access payment and receipt information using the DFAS web site at <http://www.dfas.mil/contractorpay.html>. Your purchase order/contract number or invoice number will be required to inquire about the status of your payment.

The following codes and information will be required to assure successful flow of WAWF documents.

TYPE OF DOCUMENT [Check the appropriate block]

- Commercial Item Financing
- Construction Invoice (Contractor Only)
- Invoice (Contractor Only)
- Invoice and Receiving Report (COMBO)
- Invoice as 2-in-1 (Services Only)
- Performance Based Payment (Government Only)
- Progress Payment (Government Only)
- Cost Voucher (Government Only)
- Receiving Report (Government Only)
- Receiving Report With Unique Identification (UID) Data (Government Only)

UID is a new globally unique "part identifier" containing data elements used to track DoD parts through their life cycle.

- Summary Cost Voucher (Government Only)

CAGE CODE: 0MX49 DUN NUMBER: 620864504 TAX ID: 54-1522509

ISSUE BY DODAAC: **W9133L**

ADMIN BY DODAAC: **W9133L**

INSPECT BY DODAAC: **F9WFC4**

ACCEPT BY DODAAC: **F9WFC4**

SHIP TO DODAAC: **F9WFC4**

LOCAL PROCESSING OFFICE DODDAC: **N/A**

PAYMENT OFFICE FISCAL STATION CODE: **F67100**

EMAIL POINTS OF CONTACT LISTING: (Use Group e-mail accounts if applicable)

INSPECTOR: [REDACTED]

ACCEPTOR: [REDACTED]

RECEIVING OFFICE POC: [REDACTED]

CONTRACT ADMINISTRATOR: [REDACTED]

CONTRACTING OFFICER: [REDACTED]

ADDITIONAL CONTACT:

"Please pay particular attention to the correct DODAAC Codes outlined in the payment instructions included in the contract. This will facilitate faster payment of invoices. Please feel free to contact us if the instructions are unclear."



INDEPENDENT GOVERNMENT COST ESTIMATE - ROUGH ORDER OF MAGNITUDE
EXCHANGE SAN UPGRADE
LIST OF MATERIALS AND MANPOWER ESTIMATE

| SOW Reference | Item | Qty | Unit | Unit Price | Amount |
|--|--|-----|------|----------------|-----------------------|
| 4.a.1 | <u>APC 1 SAN Upgrade</u> | 1 | Lot | \$849,695.77 | \$849,695.77 |
| 4.a.2 | <u>APC 1 Misc Upgrades</u> | 1 | Lot | \$83,598.80 | \$83,598.80 |
| 4.a.3 | <u>APC 1 Environmental Upgrades</u> | 1 | Lot | \$34,790.80 | \$34,790.80 |
| 4.b.1 | <u>APC 2 SAN Upgrade</u> | 1 | Lot | \$849,695.77 | \$849,695.77 |
| 4.b.2 | <u>APC 2 Misc Upgrades</u> | 1 | Lot | \$58,382.90 | \$58,382.90 |
| 4.b.3 | <u>APC 2 Messaging Test Lab</u> | 1 | Lot | \$137,871.33 | \$137,871.33 |
| 4.c.1 | <u>APC 3 SAN Upgrade</u> | 1 | Lot | \$2,586,803.55 | \$2,586,803.55 |
| 4.c.2 | <u>APC 3 Misc Upgrades</u> | 1 | Lot | \$71,694.40 | \$71,694.40 |
| 4.c.3 | <u>APC 3 Network Infrastructure Upgrades</u> | 1 | Lot | \$1,101,542.39 | \$1,101,542.39 |
| 4.c.4 | <u>APC 3 Environmental Upgrades</u> | 1 | Lot | \$1,192,676.46 | \$1,192,676.46 |
| 5.c | <u>Labor</u> | 1 | Lot | \$848,328.00 | \$848,328.00 |
| 4.e | <u>Other Direct Costs (Travel)</u> | 1 | Lot | \$58,275.00 | \$58,275.00 |
| Total Rough Order of Magnitude Estimate | | | | | \$7,873,355.17 |

LOM - APC 1 Misc Required Upgrades

| Line | Description | Part # | Manufacturer | QTY | ANG Unit Rough Cost | ANG Extended Rough Cost |
|------|--|-------------------------------|--------------|-----|---------------------|-------------------------|
| 1 | Blade server internal hard drive upgrade 146GB 15K 3GB Cache SFF | S04062-B21 | HP | 54 | \$453.20 | \$24,472.80 |
| 2 | Spare 146GB 15K 3GB Cache SFF hard drives | S04062-B21 | HP | 5 | \$453.20 | \$2,266.00 |
| 3 | Manufacturer per year service upgrade to 3yr 24x7 for existing APC1 UPS | WADVULTRA-PX WUPG4HR-UG-02 | APC | 3 | \$10,000.00 | \$30,000.00 |
| 4 | Manufacturer per year, per unit service upgrade to 3yr 5x8 Next Business Day service for existing APC1 in-row chillers | WADVULTRA-AX-26 | APC | 4 | \$1,975.00 | \$7,900.00 |
| 5 | 10GBASE-CU SFP+ Cable 10 Meter | SFP-H10GB-CU10M= | Cisco | 8 | \$575.00 | \$4,600.00 |
| 6 | 10GBASE-SR SFP Module | SFP-10G-SR | Cisco | 8 | \$1,795.00 | \$14,360.00 |
| | | | | | Total | \$83,598.80 |

Link to Cost Summary

Notes:

1. HP hard drives will replace existing blade server hard drives within the messaging solution to more effectively accommodate the anticipated growth of the messaging solution. Spare hard drives will be maintained in APC1 storage to replenish failed hard drives. This negates the requirement for purchasing a Non Returnable Hard Drive service option
2. American Power Conversion Corp. service upgrades will enhance the existing APC1 UPS and chillers to a 3 yr 4hr 24x7 warranty.
3. Pricing to replace existing HP hard drives must be included in quote.
4. Service upgrade to existing APC1 in-row chillers is quantity of four (4) since both existing in-row chillers will require two additional years of service to meet three (3) year requirement

| LOM - APC 2 SAN Upgrade | | | | | | |
|-----------------------------|---|--------------------|--------------|-----|--------------------------------|-------------------------|
| Line | Description | Part # | Manufacturer | QTY | ANG Unit Rough Cost | ANG Extended Rough Cost |
| 1 | Rackmount Kit,4N2,DS14-Middle,R6 | X5515A-R6 | NetApp | 14 | \$68.20 | \$954.80 |
| 2 | Cable,Patch,FC SFP to SFP,0.5M,R6 | X6530-R6 | NetApp | 34 | \$51.15 | \$1,739.10 |
| 3 | Cabinet Component Power Cable North America,R6 | X800-42U-R6-C | NetApp | 28 | Not Seperately Priced (NSP) | NSP |
| 4 | DS14MK4 SHLF,AC,14x300GB,15K,ESH4,QS,R5 | X94015A-ESH4-QS-R5 | NetApp | 14 | \$30,113.71 | \$421,591.94 |
| 6 | SupportEdge Premium, 7x24, 4hr Onsite - Mths:36 | CS-O-4HR | NetApp | 14 | \$11,656.92 | \$163,196.88 |
| 7 | FlexScale Software,T6C | SW-T6C-FLEXSCALE | NetApp | 2 | \$13,640.00 | \$27,280.00 |
| 8 | FlexScale SupportEdge Premium, 7x24, 4hr Onsite - Mths:36 | CS-O-4HR | NetApp | 2 | \$6,336.00 | \$12,672.00 |
| 9 | Rackmount Kit,4N2,DS14-Middle,R6 | X5515A-R6 | NetApp | 3 | \$68.20 | \$204.60 |
| 10 | Cable,Optical,50u,2000MHz/Km/MM,LC/LC,5M,R6 | X6553-R6-C | NetApp | 8 | \$102.30 | \$818.40 |
| 11 | SFP,Optical,4.25Gb,R6 | X6539-R6 | NetApp | 16 | \$122.76 | \$1,964.16 |
| 12 | Cabinet Component Power Cable North America,R6 | X800-42U-R6-C | NetApp | 6 | NSP | NSP |
| 13 | DS14MK4 SHLF,AC,14x300GB,15K,ESH4,QS,R5 | X94015A-ESH4-QS-R5 | NetApp | 3 | \$30,113.71 | \$90,341.13 |
| 14 | Spare 300GB 15K RPM Fiber Channel hard drives | X279A-R5 | NetApp | 14 | \$2,025.00 | \$28,350.00 |
| 15 | SupportEdge Premium, 7x24, 4hr Onsite - Mths:36 | CS-O-4HR | NetApp | 3 | \$11,656.92 | \$34,970.76 |
| 16 | ADPT,Perf Acceleration Module I,PCIe,R5 | X1936A-R5 | NetApp | 2 | \$10,230.00 | \$20,460.00 |
| 17 | NIC,2-Port,10GbE,Fiber,PCIe,R, Fiber Host Bus Adapter | X1008A-R6 | NetApp | 4 | \$8,000.00 | \$32,000.00 |
| 18 | HBA,FC,4-port,PCIe,4Gb,-C,R6 | X2054B-R6-C | NetApp | 4 | \$2,728.00 | \$10,912.00 |
| 19 | Cable,Optical,LC/LC,5M,X,-C,R6 | X6536-R6-C | NetApp | 16 | \$140.00 | \$2,240.00 |
| Link to Cost Summary | | | | | Total | \$849,695.77 |

Notes:

- Existing ANG APC1 NetApp equipment will be supplemented as indicated above to achieve mailbox size recommendations by AFNIC.
- NetApp professional installation services must be included in pricing estimate.

LOM - APC 2 Messaging Test Lab

| Line | Description | Part # | Manufacturer | QTY | ANG Unit Rough Cost | ANG Extended Rough Cost |
|---------------------------------|---|----------------|--------------|-----|-----------------------------|-------------------------|
| Lab Blade Server Chassis | | | | | | |
| 1 | HP BLc7000 CTO 3 IN LCD ROHS Encl | 507019-B21 | HP | 1 | \$5,091.58 | \$5,091.58 |
| 2 | HP BLc 1Gb Enet Pass Thru Mod Opt Kit | 406740-B21 | HP | 4 | \$1,051.58 | \$4,206.31 |
| 3 | Factory integrated | 406740-B21 OD1 | HP | 4 | Not Seperately Priced (NSP) | NSP |
| 4 | HP 2400W High Efficiency Power Supply | 499243-B21 | HP | 2 | \$367.37 | \$734.73 |
| 5 | Factory integrated | 499243-B21 OD1 | HP | 2 | NSP | NSP |
| 6 | HP BLc Encl Single Fan Option | 412140-B21 | HP | 2 | \$156.84 | \$313.68 |
| 7 | Factory integrated | 412140-B21 OD1 | HP | 2 | NSP | NSP |
| 8 | HP BLc7000 DDR2 Encl Mgmt Option | 456204-B21 | HP | 1 | \$946.31 | \$946.31 |
| 9 | Factory integrated | 456204-B21 OD1 | HP | 1 | NSP | NSP |
| 10 | HP BLc7000 1 PH FIO Power Module Opt | 413379-B21 | HP | 1 | \$184.21 | \$184.21 |
| 11 | HP c-Class All FIO 8 lcm 1yr 24x7 Lic | 439034-B23 | HP | 1 | \$2,610.53 | \$2,610.53 |
| 12 | HP 3y Support Plus SVC | HA109A3 | HP | 1 | NSP | NSP |
| 13 | c7000 Enclosure HW Supp | HA109A3 7FX | HP | 1 | \$679.17 | \$679.17 |
| Lab Blade Servers | | | | | | |
| 14 | HP BL685c G6 CTO Blade | 491338-B21 | HP | 2 | \$3,870.23 | \$7,740.46 |
| 15 | Factory integrated | 491338-B21 OD1 | HP | 2 | NSP | NSP |
| 16 | HP BL685c G6 O8431 2P FIO Kit | 539819-L21 | HP | 2 | \$5,963.93 | \$11,927.85 |
| 17 | HP 8GB Reg PC2-6400 2x4GB Kit | 497767-B21 | HP | 4 | \$272.62 | \$1,090.50 |
| 18 | Factory integrated | 497767-B21 OD1 | HP | 4 | NSP | NSP |
| 19 | HP 72GB 3G SAS 15K 2.5in DP ENT HDD | 418371-B21 | HP | 4 | \$377.89 | \$1,511.58 |
| 20 | Factory integrated | 418371-B21 OD1 | HP | 4 | NSP | NSP |
| 21 | HP BLc NC326m NIC Adapter Opt Kit | 406771-B21 | HP | 2 | \$304.22 | \$608.43 |
| 22 | Factory integrated | 406771-B21 OD1 | HP | 2 | NSP | NSP |
| 23 | HP SA P-Series Low Profile Battery | 452348-B21 | HP | 2 | \$114.63 | \$229.26 |
| 24 | Factory integrated | 452348-B21 OD1 | HP | 2 | NSP | NSP |
| 25 | HP Smart Array 512 BL685c G6 FIO Cntrlr | 512867-B21 | HP | 2 | \$630.53 | \$1,261.06 |
| 26 | BL6xxc Svr Bld HW Support | HA109A3 7XF | HP | 2 | \$533.76 | \$1,067.53 |
| 27 | HP BL465c G6 CTO Blade | 539800-B21 | HP | 1 | \$1,334.15 | \$1,334.15 |
| 28 | Factory integrated | 539800-B21 OD1 | HP | 1 | NSP | NSP |
| 29 | HP BL465c G6 O2427 FIO Kit | 539795-L21 | HP | 1 | \$595.50 | \$595.50 |
| 30 | HP BL465c G6 O2427 Kit | 539795-B21 | HP | 1 | \$595.50 | \$595.50 |
| 31 | Factory integrated | 539795-B21 OD1 | HP | 1 | NSP | NSP |
| 32 | HP 8GB Reg PC2-6400 2x4GB Kit | 497767-B21 | HP | 2 | \$272.62 | \$545.25 |
| 33 | Factory integrated | 497767-B21 OD1 | HP | 2 | NSP | NSP |
| 34 | HP 72GB 3G SAS 15K 2.5in DP ENT HDD | 418371-B21 | HP | 2 | \$377.89 | \$755.79 |
| 35 | Factory integrated | 418371-B21 OD1 | HP | 2 | NSP | NSP |
| 36 | HP BLc NC326m NIC Adapter Opt Kit | 406771-B21 | HP | 1 | \$304.22 | \$304.22 |

LOM - APC3 SAN Upgrade

| Line | Description | Part # | Manufacturer | QTY | ANG Unit Rough Cost | ANG Extended Rough Cost |
|---|---|--------------------|--------------|-----|-----------------------------|-------------------------|
| APC3 SnapMirror Partner SAN for APC1 | | | | | | |
| 1 | Rackmount Kit,4N2,DS14-Middle,R6 | X5515A-R6 | NetApp | 14 | \$68.20 | \$954.80 |
| 2 | Cable,Patch,FC SFP to SFP,0.5M,R6 | X6530-R6 | NetApp | 34 | \$51.15 | \$1,739.10 |
| 3 | Cabinet Component Power Cable North America,R6 | X800-42U-R6-C | NetApp | 28 | Not Seperately Priced (NSP) | NSP |
| 4 | DS14MK4 SHLF,AC,14x300GB,15K,ESH4,QS,R5 | X94015A-ESH4-QS-R5 | NetApp | 14 | \$30,113.71 | \$421,591.94 |
| 5 | Spare 300GB 15K RPM Fiber Channel hard drives | X279A-R5 | NetApp | 14 | \$2,025.00 | \$28,350.00 |
| 6 | SupportEdge Premium, 7x24, 4hr Onsite - Mths:36 | CS-O-4HR | NetApp | 14 | \$11,656.92 | \$163,196.88 |
| 7 | FlexScale Software,T6C | SW-T6C-FLEXSCALE | NetApp | 2 | \$13,640.00 | \$27,280.00 |
| 8 | FlexScale SupportEdge Premium, 7x24, 4hr Onsite - Mths:36 | CS-O-4HR | NetApp | 2 | \$6,336.00 | \$12,672.00 |
| 9 | Rackmount Kit,4N2,DS14-Middle,R6 | X5515A-R6 | NetApp | 3 | \$68.20 | \$204.60 |
| 10 | Cable,Optical,50u,2000MHz/Km/MM,LC/LC,5M,R6 | X6553-R6-C | NetApp | 8 | \$102.30 | \$818.40 |
| 11 | SFP,Optical,4.25Gb,R6 | X6539-R6 | NetApp | 16 | \$122.76 | \$1,964.16 |
| 12 | Cabinet Component Power Cable North America,R6 | X800-42U-R6-C | NetApp | 6 | NSP | NSP |
| 13 | DS14MK4 SHLF,AC,14x300GB,15K,ESH4,QS,R5 | X94015A-ESH4-QS-R5 | NetApp | 3 | \$30,113.71 | \$90,341.13 |
| 15 | SupportEdge Premium, 7x24, 4hr Onsite - Mths:36 | CS-O-4HR | NetApp | 3 | \$11,656.92 | \$34,970.76 |
| 16 | ADPT,Perf Acceleration Module I,PCIe,R5 | X1936A-R5 | NetApp | 2 | \$10,230.00 | \$20,460.00 |
| 17 | NIC,2-Port,10GbE,Fiber,PCIe,R, Fiber Host Bus Adapter | X1008A-R6 | NetApp | 4 | \$8,000.00 | \$32,000.00 |
| 18 | HBA,FC,4-port,PCIe,4Gb,-C,R6 | X2054B-R6-C | NetApp | 4 | \$2,728.00 | \$10,912.00 |
| 19 | Cable,Optical,LC/LC,5M,X,-C,R6 | X6536-R6-C | NetApp | 16 | \$140.00 | \$2,240.00 |
| APC3 SnapMirror Partner SAN for APC2 | | | | | | |
| 20 | Rackmount Kit,4N2,DS14-Middle,R6 | X5515A-R6 | NetApp | 14 | \$68.20 | \$954.80 |
| 21 | Cable,Patch,FC SFP to SFP,0.5M,R6 | X6530-R6 | NetApp | 34 | \$51.15 | \$1,739.10 |
| 22 | Cabinet Component Power Cable North America,R6 | X800-42U-R6-C | NetApp | 28 | NSP | NSP |
| 23 | DS14MK4 SHLF,AC,14x300GB,15K,ESH4,QS,R5 | X94015A-ESH4-QS-R5 | NetApp | 14 | \$30,113.71 | \$421,591.94 |
| 24 | Spare 300GB 15K RPM Fiber Channel hard drives | X279A-R5 | NetApp | 14 | \$2,025.00 | \$28,350.00 |
| 25 | SupportEdge Premium, 7x24, 4hr Onsite - Mths:36 | CS-O-4HR | NetApp | 14 | \$11,656.92 | \$163,196.88 |
| 26 | FlexScale Software,T6C | SW-T6C-FLEXSCALE | NetApp | 2 | \$13,640.00 | \$27,280.00 |
| 27 | FlexScale SupportEdge Premium, 7x24, 4hr Onsite - Mths:36 | CS-O-4HR | NetApp | 2 | \$6,336.00 | \$12,672.00 |
| 28 | Rackmount Kit,4N2,DS14-Middle,R6 | X5515A-R6 | NetApp | 3 | \$68.20 | \$204.60 |
| 29 | Cable,Optical,50u,2000MHz/Km/MM,LC/LC,5M,R6 | X6553-R6-C | NetApp | 8 | \$102.30 | \$818.40 |
| 30 | SFP,Optical,4.25Gb,R6 | X6539-R6 | NetApp | 16 | \$122.76 | \$1,964.16 |
| 31 | Cabinet Component Power Cable North America,R6 | X800-42U-R6-C | NetApp | 6 | NSP | NSP |
| 32 | DS14MK4 SHLF,AC,14x300GB,15K,ESH4,QS,R5 | X94015A-ESH4-QS-R5 | NetApp | 3 | \$30,113.71 | \$90,341.13 |
| 33 | SupportEdge Premium, 7x24, 4hr Onsite - Mths:36 | CS-O-4HR | NetApp | 3 | \$11,656.92 | \$34,970.76 |
| 34 | NIC,2-Port,10GbE,Fiber,PCIe,R, Fiber Host Bus Adapter | X1008A-R6 | NetApp | 4 | \$8,000.00 | \$32,000.00 |
| 35 | ADPT,Perf Acceleration Module I,PCIe,R5 | X1936A-R5 | NetApp | 2 | \$10,230.00 | \$20,460.00 |
| 36 | HBA,FC,4-port,PCIe,4Gb,-C,R6 | X2054B-R6-C | NetApp | 4 | \$2,728.00 | \$10,912.00 |
| 37 | Cable,Optical,LC/LC,5M,X,-C,R6 | X6536-R6-C | NetApp | 16 | \$140.00 | \$2,240.00 |
| APC3 SnapVault SAN | | | | | | |
| 38 | DS14MK2 SHLF,14.0TB SATA,QS,R5 | DSX-14.0TB-QS-R5 | NetApp | 22 | \$26,805.33 | \$589,717.22 |

LOM - APC 3 Misc Required Upgrades

| Line | Description | Part # | Manufacturer | QTY | ANG Unit Rough Cost | ANG Extended Rough Cost |
|------|---|-------------------------------|--------------|-----|---------------------|-------------------------|
| 1 | Blade server internal hard drive upgrade 146GB 15K 3GB Cache SFF | 504062-B21 | HP | 82 | \$453.20 | \$37,162.40 |
| 2 | Spare 146GB 15K 3GB Cache SFF hard drives | 504062-B21 | HP | 10 | \$453.20 | \$4,532.00 |
| 3 | Manufacturer per year service upgrade to 3yr 24x7 for existing APC3 UPS | WADVULTRA-PX WUPG4HR-UG-02 | APC | 3 | \$10,000.00 | \$30,000.00 |

Link to Cost Summary **Total** **\$71,694.40**

- Notes:**
1. HP hard drives will replace existing blade server hard drives within the messaging solution to more effectively accommodate the anticipated growth of the messaging solution.
 2. American Power Conversion Corp. service upgrade will upgrade the existing APC3 UPS to a 3 yr 24x7 warranty.
Pricing to replace existing HP hard drives must be included in quote.

LOM - APC 3 Network Infrastructure Upgrades

| Line | Description | Part # | Manufacturer | QTY | ANG Unit Rough Cost | ANG Extended Rough Cost |
|-----------------------------------|---|--------------------|--------------|-----|-----------------------------|-------------------------|
| APC3 Core Redundant Router | | | | | | |
| 1 | Cisco 7609-S Chassis including fans | CISCO7609-S | Cisco | 1 | Not Seperately Priced (NSP) | NSP |
| 2 | Cisco 7609S Chassis,9-slot,Redundant System,2SUP720-3B,2PS | 7609S-SUP720B-R | Cisco | 1 | \$43,342.39 | \$43,342.39 |
| 3 | SP adapter for SUP720 and SUP720-10G | CF-ADAPTER-SP | Cisco | 1 | NSP | NSP |
| 4 | Catalyst 6500 Sup720/Sup32 Compact Flash Mem 512MB | MEM-C6K-CPTFL512M | Cisco | 1 | \$594.84 | \$594.84 |
| 5 | SP adapter for SUP720 and SUP720-10G | CF-ADAPTER-SP | Cisco | 1 | NSP | NSP |
| 6 | Catalyst 6500 Sup720/Sup32 Compact Flash Mem 512MB | MEM-C6K-CPTFL512M | Cisco | 1 | \$594.84 | \$594.84 |
| 7 | 6000 W AC Power Supply for Cisco 7609/7613 | 6000W-AC | Cisco | 2 | \$2,391.30 | \$4,782.61 |
| 8 | Power Cord, 250Vac 16A, twist lock NEMA L6-20 plug, US | CAB-AC-C6K-TWLK | Cisco | 4 | NSP | NSP |
| 9 | Cisco 7600-SUP720 IOS ADVANCED ENTERPRISE SERVICES SSH | S763AEK9-12233SRB | Cisco | 1 | \$8,967.39 | \$8,967.39 |
| 10 | Cat6500 48-port 10/100/1000 GE Mod: fabric enabled, RJ-45 | WS-X6748-GE-TX | Cisco | 1 | \$8,967.39 | \$8,967.39 |
| 11 | Catalyst 6500 256MB DDR, xCEF720 (67xx interface, DFC3A) | MEM-XCEF720-256M | Cisco | 1 | NSP | NSP |
| 12 | Catalyst 6500 Central Fwd Card for WS-X67xx modules | WS-F6700-CFC | Cisco | 1 | NSP | NSP |
| 13 | Enhanced Fabric-enabled FlexWAN | WS-X6582-2PA | Cisco | 1 | \$8,967.39 | \$8,967.39 |
| 14 | 1 Port Packet/SONET OC3c/STM1 Port Adapter | PA-POS-1OC3 | Cisco | 1 | \$4,125.00 | \$4,125.00 |
| 15 | OC3/STM1 SFP SINGLE-MODE FIBER | SFP-OC3-IR1 | Cisco | 1 | \$478.50 | \$478.50 |
| 16 | Catalyst 6500 Network Analysis Module-2 | WS-SVC-NAM-2 | Cisco | 1 | \$17,931.79 | \$17,931.79 |
| 17 | Cisco Catalyst 6500 Series NAM Software 3.6 | SC-SVC-NAM-3.6 | Cisco | 1 | NSP | NSP |
| 18 | Cisco 6500/7600 IPSec VPN SPA Bundle 1 (system only) | SPA-IPSEC-SSC400-1 | Cisco | 1 | \$23,910.05 | \$23,910.05 |
| 19 | Catalyst 6500/Cisco 7600 Supervisor 720 Fabric MSFC3 PFC3B | WS-SUP720-3B | Cisco | 1 | NSP | NSP |
| 20 | Catalyst 6500 Sup720/Sup32 Compact Flash Mem 512MB | MEM-C6K-CPTFL512M | Cisco | 1 | NSP | NSP |
| 21 | Bootflash for SUP720-64MB-RP | BF-S720-64MB-RP | Cisco | 1 | NSP | NSP |
| 22 | Catalyst 6500 512MB DRAM on the Supervisor (SUP2 or SUP720) | MEM-S2-512MB | Cisco | 1 | NSP | NSP |
| 23 | Catalyst 6500 512MB DRAM on the MSFC2 or SUP720 MSFC3 | MEM-MSFC2-512MB | Cisco | 1 | NSP | NSP |
| 24 | Catalyst 6500/Cisco 7600 Supervisor 720 Fabric MSFC3 PFC3B | WS-SUP720-3B | Cisco | 1 | NSP | NSP |
| 25 | Catalyst 6500 Sup720/Sup32 Compact Flash Mem 512MB | MEM-C6K-CPTFL512M | Cisco | 1 | NSP | NSP |
| 26 | Bootflash for SUP720-64MB-RP | BF-S720-64MB-RP | Cisco | 1 | NSP | NSP |
| 27 | Catalyst 6500 512MB DRAM on the Supervisor (SUP2 or SUP720) | MEM-S2-512MB | Cisco | 1 | NSP | NSP |
| 28 | Catalyst 6500 512MB DRAM on the MSFC2 or SUP720 MSFC3 | MEM-MSFC2-512MB | Cisco | 1 | NSP | NSP |
| 29 | Cat6500 6000W AC Power Supply | WS-CAC-6000W | Cisco | 2 | NSP | NSP |
| 30 | 256 MB Memory for Enhanced FlexWAN Module | MEM-CC-WAN-256M | Cisco | 2 | NSP | NSP |
| 31 | Cisco 7600/6500 Services SPA Carrier Card (6 Gbps) | 7600-SSC-400 | Cisco | 1 | NSP | NSP |
| 32 | Cisco 7600 / Catalyst 6500 IPSec VPN SPA - DES/3DES/AES | SPA-IPSEC-2G | Cisco | 1 | NSP | NSP |
| 33 | VPN Software Client for IOS Security Bundles | IOS-CVPN-CLIENT-K9 | Cisco | 1 | NSP | NSP |
| 34 | SMARTNET 24X7X4 Cisco 7609S Chassis, | CON-SNTP-7609SSBR | Cisco | 1 | \$7,944.00 | \$7,944.00 |
| 35 | SMARTNET 24X7X4 Cisco 7609-S Chassis | CON-SNTP-CIS7609S | Cisco | 1 | NSP | NSP |
| 36 | SMARTNET 24X7X4 Cisco 6500/7600 IPSe | CON-SNTP-SSC4001 | Cisco | 1 | \$4,175.00 | \$4,175.00 |
| 37 | SMARTNET 24X7X4 Catalyst 6500 Network | CON-SNTP-WSSVAM2 | Cisco | 1 | \$2,185.00 | \$2,185.00 |

LOM - APC 3 Environmental Upgrades

| Line | Description | Part # | Manufacturer | QTY | ANG Unit Rough Cost | ANG Extended Rough Cost |
|------|--|----------------------------|--------------|-----|-----------------------------|-------------------------|
| 1 | ISX for Louisville, TN | ISX626964-010 | APC | 1 | \$267,374.80 | \$267,374.80 |
| 2 | Symmetra PX 80kW Scalable to 80kW N+1 with Premium XR Battery Enclosure, 208V | SY80K80F | APC | 1 | Not Seperately Priced (NSP) | NSP |
| 3 | Symmetra PX 10kW Power Module, 208V | SYPM10KF | APC | 1 | NSP | NSP |
| 4 | 120 V TYPE PDU | PSX-PDU120V | APC | 1 | NSP | NSP |
| 5 | ELECTRICAL SYSTEM 120V | ELECTRICAL SYSTEM 120V | APC | 1 | NSP | NSP |
| 6 | PDU 80KW 208V IN MBP ISO TRANS SINGLE FEED | OG-PD80F6FK1-M1 | APC | 1 | NSP | NSP |
| 7 | TYPE & AMP OF DISTRIBUTION CKT BRKS | DISTRIBUTION BREAKERS 120V | APC | 1 | NSP | NSP |
| 8 | S/A BLANK PNL 1P CKTBRK NAM PSX-PDU | 0M-0218 | APC | 42 | NSP | NSP |
| 9 | OPTIONS AND ACCESSORIES | OPTIONS & ACCESSORIES 120V | APC | 1 | NSP | NSP |
| 10 | KIT LABEL 80K NAM PDU SINGLE FEED W/ SUBFEED | 0T-0120 | APC | 1 | NSP | NSP |
| 11 | GEN ISX 80K TYPE B USERS MANUAL | OG-ISX-B-UM-80 | APC | 1 | NSP | NSP |
| 12 | KIT 500MCM LUG | 0M-5472 | APC | 3 | NSP | NSP |
| 13 | S/A 80K PDU MCCB SUBFEED 225A | 0M-5683 | APC | 1 | NSP | NSP |
| 14 | KIT CROSS TIE BLANKING PANEL | 0M-5495 | APC | 1 | NSP | NSP |
| 15 | RACK COLOR | RACK COLOR | APC | 1 | NSP | NSP |
| 16 | KIT 80KW PSX-PDU BLACK EXTERIOR | 0M-2601 | APC | 1 | NSP | NSP |
| 17 | InRow RC Chilled Water, 100-120V 50/60 Hz, NEMA L5-20 | ACRC100 | APC | 4 | NSP | NSP |
| 18 | APC Netbotz Rack Access PX - HID | AP9361 | APC | 15 | NSP | NSP |
| 19 | APC NetBotz HID Proximity Cards - 10 Pack | AP9370-10 | APC | 2 | NSP | NSP |
| 20 | NetBotz Rack Monitor 200 (with 120/240V Power Supply) | NBRK0201 | APC | 1 | NSP | NSP |
| 21 | APC Temperature Sensor | AP9335T | APC | 4 | NSP | NSP |
| 22 | APC 1U 19" Black Modular Toolless Blanking Panel - Qty 200 | AR8136BLK200 | APC | 2 | NSP | NSP |
| 23 | APC Leak Sensor - 20 ft (6.1 m) | AP9325 | APC | 4 | NSP | NSP |
| 24 | Start-Up Service 7X24 for InfraStruXure InRow RC | WSTRTUP7X24-AX-26 | APC | 4 | NSP | NSP |
| 25 | 1 Year Next Business Day Response On-Site Service | WONSITENBD-PX-31 | APC | 2 | NSP | NSP |
| 26 | 1 Year 4HR On-Site Service Response Upgrade to Existing On-Site Service Warranty | WUPG4HR-PX-00 | APC | 3 | NSP | NSP |
| 27 | 1 Year Next Business Day On-Site Service for InfraStruXure InRow RC | WONSITENBD-AX-26 | APC | 8 | NSP | NSP |
| 28 | (1) Preventive Maintenance Visit 7X24 | WPMV7X24-PX-31 | APC | 1 | NSP | NSP |
| 29 | Semi-Annual Preventative Maintenance 5x8 for InfraStruXure InRow RC | WSPMV5X8-AX-26 | APC | 4 | NSP | NSP |
| 30 | Air Cooled Chiller 167kW, 208-230V/60hz, R22, 5HP Pump, single feed | ACCH167G-ABA-D05S | APC | 1 | NSP | NSP |
| 31 | Storage Tank, Chilled water, 305 gal / 1155 liters | ACTA1102 | APC | 1 | NSP | NSP |
| 32 | Wind baffle for chiller size 150 to 190kW | ACAC30004 | APC | 1 | NSP | NSP |
| 33 | CDU Flexible Fluid Piping Insulation - 100 Feet (30.4 Meters) | ACAC20005 | APC | 2 | NSP | NSP |
| 34 | CDU Flexible Fluid Piping Couplings (4 per pack) | ACAC20006 | APC | 4 | NSP | NSP |
| 35 | CDU Flexible Fluid Piping - 100 Feet (30.4 Meters) | ACAC20003 | APC | 2 | NSP | NSP |
| 36 | CDU Flexible Fluid Piping Clamp/Hanger (qty of 50) | ACAC20008 | APC | 1 | NSP | NSP |

- Remove and re-install conduit in existing emergency generator concrete pad to new pad
- Rig and Set Utility Transformer, new Emergency Generator and new ATS on new pad
- Rig and Set new Chiller on new pad

Excavation and Concrete:

- Demo existing concrete pad
- Excavate for new pads and new conduit runs
- Form and Pour new 20 x 20 concrete pad for Utility and Emergency Power
- Form and Pour new 12 x 24 concrete pad for Chiller

| LOM - Other Direct Costs | | | | | | |
|--------------------------|---|--------|------|-----|-----------------|-----------------|
| Line | Description | Part # | Man. | QTY | Unit Rough Cost | Ext. Rough Cost |
| 1 | Estimated travel expenses Wichita, KS | N/A | N/A | 15 | \$1,975 | \$29,625 |
| 2 | Estimated travel expenses Knoxville, TN | N/A | N/A | 15 | \$1,910 | \$28,650 |

[Link to Cost Summary](#) Total **\$58,275**

Notes:

1. ODC travel is reimbursed by Government on a dollar-per-dollar basis.
2. Project will be managed from Andrews, AFB MD and will require frequent travel to McConnell AFB KS and McGhee Tyson ANGB, TN as identified in the Statement of Work.

Estimated Travel Pricing Worksheet

| Origination - Destination | Travelers | Days | Trips | Air Fare | Per Diem | Car Rental | Lodging | Parking | Fuel | Agent Fee | Per Trip Total |
|---|-----------|------|-------|----------|----------|------------|---------|---------|------|-----------|----------------|
| Travel - from ANGRC to Wichita, KS Washington, DC to Wichita, KS | 1 | 5 | 15 | \$875 | \$48 | \$40 | \$96 | \$100 | \$20 | \$60 | \$1,975 |
| Travel - from ANGRC to Knoxville, TN Washington, DC to Knoxville, TN | 1 | 5 | 15 | \$875 | \$48 | \$40 | \$83 | \$100 | \$20 | \$60 | \$1,910 |

Estimated Travel Rates Worksheet

| Origination - Destination | Air Fare | Per Diem | Car Rental | Lodging | Parking | Fuel | Agent Fee |
|--|----------|----------|------------|---------|---------|------|-----------|
| Project and Design Services Washington, DC to Wichita, KS | \$875 | \$48 | \$40 | \$96 | \$100 | \$20 | \$60 |
| Project and Design Services Washington, DC to Knoxville, TN | \$875 | \$48 | \$40 | \$83 | \$100 | \$20 | \$60 |