



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
ISCL0093

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
KRISTA FERRELL 304-558-2596

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DEPARTMENT OF ADMINISTRATION
 IS&C - DATA CENTER MANAGER
 BUILDING 6, ROOM B110
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0135 304-558-5914

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
06/16/2011				

BID OPENING DATE: 07/21/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	EA		205-43		
PERIPHERAL DEVICES AND ACCESSORIES, COMPUTER SYSTEM REQUEST FOR QUOTATION THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA OFFICE OF TECHNOLOGY, IS SOLICITING BIDS TO PROVIDE THE AGENCY WITH A VIRTUAL TAPE SOLUTION INCLUDING: A TWO-WAY GRID WITH REPLICATION BETWEEN ITS PRIMARY DATA CENTER LOCATED IN CHARLESTON, WEST VIRGINIA AND ITS RECOVERY CENTER LOCATED IN FLATWOODS, WEST VIRGINIA PER THE ATTACHED SPECIFICATIONS. TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA FAX AT 304-558-4115 OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 07/06/2011 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL WRITTEN ADDENDUM TO BE ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED. VERBAL COMMUNICATION: ANY VERBAL COMMUNICATION BETWEEN THE VENDOR ANY STATE PERSONNEL IS NOT BINDING. ONLY INFORMATION ISSUED IN WRITING AND ADDED TO THE RFQ SPECIFICATIONS BY FORMAL WRITTEN ADDENDUM IS BINDING. NO CONTACT BETWEEN THE VENDOR AND THE AGENCY IS						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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<p>PERMITTED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE STATE BUYER. VIOLATION MAY RESULT IN THE REJECTION OF THE BID. THE STATE BUYER NAMED ABOVE IS THE SOLE CONTACT FOR ANY AND ALL INQUIRIES AFTER THIS RFQ IS RELEASED.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.:</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1</p> <p>NO. 2</p> <p>NO. 3</p> <p>NO. 4</p> <p>NO. 5</p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE</p>						

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LINE	QUANTITY	UCP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p>..... SIGNATURE COMPANY DATE</p> <p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>REV. 09/21/2009</p> <p>NOTICE TO PROCEED: THIS CONTRACT IS TO BE PERFORMED WITHIN 30 CALENDAR DAYS AFTER THE NOTICE TO PROCEED IS RECEIVED. THE AGENCY WILL ISSUE A WRITTEN NOTICE TO PROCEED TO THE VENDOR AFTER THE INITIAL MEETING DESCRIBED IN SECTION IV.2 OF THE ATTACHED SPECIFICATIONS. MAINTENANCE SHALL BE ADDED BY FORMAL CHANGE ORDER AFTER THE INSTALLATION, TESTING, AND ACCEPTANCE OF THE SOLUTION BY THE AGENCY.</p> <p>THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT</p>						

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 804-558-2596

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<p>TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATIONS IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: KRISTA FERRELL-FILE 21</p> <p>RFQ. NO.: ISCL0093</p> <p>BID OPENING DATE: 07/21/2011</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
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TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
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CONTACT PERSON (PLEASE PRINT CLEARLY):						

***** THIS IS THE END OF RFQ ISCL0093 ***** TOTAL: _____						

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GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
5. Payment may only be made after the delivery and acceptance of goods or services.
6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.htm and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
14. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
15. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

I. SCOPE

The Data Center, West Virginia Office of Technology, identified hereinafter as "the agency", seeks a virtual tape solution that includes a two-way grid with replication between its primary Data Center located in Charleston, W. Va., and its Recovery Center located in Flatwoods, W.Va. This system will replace the current physical tape solution described in Section II, Current Environment.

The agency is seeking a virtual tape solution that replaces the current system, but also includes physical tape drives and an automated tape library at the Recovery Center as a means for feeding the agency's contracted disaster recovery facility (SunGard).

Details for mandatory requirements are described in Section III. The State shall make the award to the lowest-cost response that meets all the mandatory requirements.

II. CURRENT ENVIRONMENT

The agency currently owns and operates the following tape storage systems:

Qty.	Machine/Product	Product Description
2	9310	StorageTek library storage modules
2	9311	StorageTek library control units
1	4410	StorageTek library storage modules
1	4411	StorageTek library control units
12	3590-B1A	IBM Magstar tape drives
3	3590-A50	IBM Magstar control units
16	9490-M34	StorageTek Timberline tape drives

The agency currently operates a z/10 IBM mainframe utilizing the above-listed tapes hardware at its primary Data Center in Charleston. CA-1's TMS is used to manage the tapes, with HSM also utilized to provide automatic migration of data from disk to physical tape. The agency currently has approximately 42 terabytes of compressed tape data located on 3490 and 3590 tape media.

On Sunday mornings, a full backup of the operating system and disk is made on 3590 tapes, then they are transported offsite. This backup is kept for two weeks, then rotated back and scratched when the third weekly backup is made. These backups are

the primary means by which a Disaster Recovery system, currently provided by SunGard, is created.

User agencies create copies of their own data on more frequent intervals, and make those tapes available for offsite transport. These tapes are also taken to Sungard in the event of a disaster.

III. REQUIREMENTS

The vendor shall provide a solution that includes systems located in the primary Data Center in Charleston and the Recovery Center in Flatwoods. The system at the Recovery Center shall include physical tape drives. The solution must meet all of the following mandatory requirements.

1. The vendor will supply all the equipment and software specified in Appendix A, or equal.
2. The equipment shall be new. Remanufactured or warranted-as-new equipment is unacceptable.
3. The solution shall support data replication between the primary virtual tape server at the primary Data Center and the Recovery Center. The customer will provide the telecommunication equipment and bandwidth required to enable replication between the Centers.
4. The solution shall allow for creation of physical tapes at the remote location for disaster recovery purposes. Physical tapes must be capable of holding at least 700 GB of uncompressed data.
5. The solution shall allow for removal of physical tapes from the remote location for disaster recovery purposes.
6. The physical tape drives hardware (minimum of 6 drives) shall be capable of selectable encryption, in order for the customer to encrypt data that is on physical tape. All software and hardware required for encryption, including, but not limited to, key management, must be included in the proposal.
7. The automated physical tape library, to be located at the Recovery Center, must be capable of holding a minimum of 210 physical tapes initially (including up to ten cleaning tapes). The tape library must be expandable to allow for future growth.
8. The system shall be capable of handling 70 TB of uncompressed usable data.
9. The solution will support z/OS, z/VM and Linux environments, and shall be capable of defining virtual drives that are usable by applications residing in any of those environments.

10. The solution must allow for remote monitoring and operation of all hardware.
11. The solution must support and be compatible with all other current hardware and software currently in production at the customer's site. A list of the customer's current hardware and software is provided in Appendices B and C.
12. The system must be capable of recovering volume serial numbers in the event of a file system failure.
13. The system must be capable of data compression.
14. The vendor shall specify the bandwidth requirements for replication between the primary Data Center and the Recovery Center.

IV. INSTALLATION AND MAINTENANCE

1. The vendor shall install the primary virtual tape server at the customer's central site:

Building 6, Room 110
 1900 Kanawha Blvd. E.
 Charleston, WV 25305

The vendor shall install the secondary virtual tape server at the Recovery Center located approximately 75 miles from the central site. The address of the secondary location is:

Braxton Technology Center
 89 Richard D. Minnich Drive STE 103
 Sutton, WV 26601

2. The vendor and agency shall meet, at the agency's primary Data Center, within 15 days after issuance of purchase order, to discuss pre-installation activities as well as the actual installation, and to agree on an installation date.
3. The systems shall be operational within 30 days after they are installed. The virtual tape solution will not be considered fully operational until the offsite component is fully integrated with the central site component and a migration plan for data from existing tapes has been agreed upon and implemented.
4. The vendor shall provide on-site hardware, firmware, and software engineering support, and agency training, at or about the time of systems installation.
5. The systems shall be maintained by the manufacturer or by a representative(s) trained and authorized by the manufacturer.

6. The vendor shall **warrant and maintain** the systems for 48 months after installation. During this 48-month period, the vendor shall make any necessary repairs, replace any defective parts, perform preventative maintenance, install engineering changes and modifications, and otherwise maintain the systems at no cost to the agency.
7. The vendor shall identify any trade-in allowances for existing equipment replaced by the system. All de-installation and shipping costs shall be borne by the vendor.

V. IMPLEMENTATION OF THE VIRTUAL TAPE SOLUTION

The services specified in the following subsections shall be performed at the agency's sites and shall continue until all the services have been provided to the agency's satisfaction and the system is fully operational.

1. Assist with System Planning and Preparation

The vendor shall provide on-site consulting to discuss resource allocation management, storage administration and systems programming requirements. Topics may include the following:

1. DF/SMS allocation methodologies;
2. JCL requirements;
3. DF/SMS ACS utilization;
4. Planning and implementation of library partitioning.

2. Provide Technical Consultation

The vendor shall review the following topics with the customer and give detailed instructions and guidance:

1. DF/SMS software support;
2. Data migration considerations, including coexistence with other automation solutions;
3. Interaction between the Virtual Tape Equipment and DF/SMS software support;
4. Interaction between the Virtual Tape Equipment and the TMS tape management system;
5. Interaction between the Virtual Tape Equipment and applicable OEM software;

6. Logical partitioning;
 7. Preparation for installation;
 8. Interaction between Virtual Engine, the Library Manager and the host, including physical tapes, logical volumes (“LVOLs”), and inventories.
 9. Device table generations such as Unit Control Blocks (“UCB”) and Eligible Device Table (“EDT”);
 10. Generation of the Hardware Configuration Definition (“HCD”).
- 3. Provide Operational Training and Education**

The vendor shall provide sessions to cover the following:

1. System overview of Hosts and Virtual Engine in a grid configuration;
2. Console messages meaning and operator actions;
3. Operator intervention procedures;
4. Abnormal situations and recovery;
5. Interaction between the Virtual Tape environment and TMS
6. Interaction between the Virtual Tape Equipment and other software products;
7. Operator actions with DF/SMS;
 - a. System status displays
 - b. System commands
 - c. Messages and meanings
8. System commands- system status displays- messages and meanings;
9. DF/SMS Definitions;
10. ISMF panels;
 - a. Parmlib member changes
 - b. Proclib member change
 - c. ACS routines
11. Parmlib member changes- Proclib member changes;
12. Tape management system User Exit processing.

VI. MISCELLANEOUS TERMS AND CONDITIONS

1. The customer will purchase the systems outright. Other procurement options will not be considered.
2. The customer will not formally accept a system until it has operated without failure for 30 consecutive days.
3. The vendor will be considered prime contractor, and shall therefore be solely responsible for satisfying all mandatory requirements of this RFQ, including maintenance. The use of subcontractors will not relieve the vendor of its prime contractor responsibilities.
4. A manufacturer's business partner submitting a bid independently of the manufacturer, or on behalf of the manufacturer, will have prime contractor responsibilities. The State will not act as a third party in any arrangements between the manufacturer and its business partners.

VII. COSTS

1. The vendor shall complete the following cost sheet and submit it as part of the bid response. All costs shall be identified on the cost sheet. Costs will be all inclusive including all hourly rates, travel, and all goods/services needed to fulfill the mandatory requirements. **The Grand Total Cost will be the firm bid price.**

COST SHEET

VENDOR NAME _____

VENDOR ADDRESS _____

VENDOR CONTACT _____

VENDOR PHONE NO. _____

COST OF VIRTUAL TAPE EQUIPMENT _____
(including 48 month warranty)

COST OF SOFTWARE _____
(for 48 months)

COST OF INSTALLATION _____

COST OF SHIPPING _____

COST OF VTS IMPLEMENTATION (see Section VI) _____

TRADE-IN ALLOWANCE _____

GRAND TOTAL COST _____

APPENDIX A

Product	Description	Qty
5608-A93	IBM Tivoli Lifecycle Manager Reg:3 Yr	1
0003	TKLM For Storage RVU SWMA 3Y Reg	6
5608-A99	IBM Tivoli Key Lifecycle Manager V2.0	1
0003	TKLM for Storage per RVU	6
5811	IBM Tiv Key Lifecycle Mgr for Storage	1

Product	Description	Qty
3584-L23	TS3500 Tape Library	1
1515	3592 Fibre Drive Mounting Kit	6
1643	Intermediate Capacity on Demand	1
1644	Full Capacity on Demand	1
1659	16 Additional 3592 I/O Slots	1
1692	Entry ALMS	1
1693	Intermediate ALMS	1
1694	Full ALMS	1
1950	Power Distribution Unit	1
2710	Remote Support Facility	1
2732	TS3000 System Console	1
2733	Internal Modem	1
4871	TS7700 BE SW Mounting Hardware	1
4872	TS7700 BE 4Gb Switch	1
9217	Attach to 3953 LM/TS7700	1
9680	Plant Install 3592 E05 in 3584	6
9700	No Host Cables From Plant	1
9900	Encryption Configuration	1
9954	Nema L6-30 Power Cords	1
3592-E05	IBM TS1120 Tape Drive	6
6013	13 Meter LC/LC Fibre Channel Cable	12
9000	zSeries ESCON/FICON Attach	6

9592 Encryption Capable - Plant	6
9677 Plant Install 3592 in 3584	6
3599-014 IBM Tape Cartridge 3592 Extended Data with Labeling and Initialization	1
4020 20-Pack 3592 Extended Data Cartridges	7
9003 Alpha prefix background - red	1
9022 Label background: Color/Vibrant	1
9032 Media Identifier Letters 'JB'	1
9082 E3 Format	1
9133 First character of Volser is X	1
9200 Second character of Volser is 6	1
9300 Third character of Volser is 0	1
9400 Fourth character of Volser is 0	1
9500 Fifth character of Volser is 0	1
3599-014 IBM Tape Cartridge 3592 Extended Data with Labeling and Initialization	1
4020 20-Pack 3592 Extended Data Cartridges	3
9004 Alpha prefix background - yellow	1
9022 Label background: Color/Vibrant	1
9032 Media Identifier Letters 'JB'	1
9082 E3 Format	1
9121 First character of Volser is L	1
9200 Second character of Volser is 5	1
9300 Third character of Volser is 0	1
9400 Fourth character of Volser is 0	1
9500 Fifth character of Volser is 0	1
3599-017 3592 Tape Cartridge (cleaning)	1
7005 5-Pack Cleaner Cartridges with Media ID Labels	2
3952-F05 Tape Frame	1
1903 Dual AC Power	1
1904 Redundant AC Power	1
2732 TS3000 System Console	1
2733 Internal Modem	1
5628 Plant Install 3957-V06	1
5640 Plant Install 3956-CC8	1
5759 Integrated Control Path	1

7312 TS7700 Base Frame	1
9954 NEMA L6-30 Power Cord	1
3952-F05 Tape Frame	1
1903 Dual AC Power	1
1904 Redundant AC Power	1
2732 TS3000 System Console	1
2733 Internal Modem	1
5626 Plant Install 3957-VEA	1
5635 Plant Install 3956-CS8	1
5646 Plant Install 3956-XS7	1
5759 Integrated Control Path	1
7322 TS7720 Base Frame	1
9954 NEMA L6-30 Power Cord	1
3956-CC8 TS7740 Cache Controller	1
7123 9.6 TB Fibre Storage	1
9352 Plant Install in F05	1
3956-CS8 TS7720 SATA Cache Controller	1
7114 32 TB SATA Storage	1
9352 Plant Install in F05	1
3956-XS7 TS7720 SATA Cache Module	1
7114 32 TB SATA Storage	1
9354 Plant Install in F05	1
3957-V06 TS7740 Virtualization Engine	1
0201 9 Micron LC/LC 31 Meter	2
1033 1Gb Grid Dual Port Optical SW Connection	2
2715 Console Attachment	1
3442 FICON Long Wavelength Attachment	2
4015 Grid Enablement	1
5240 Dual Port FC HBA	1
5267 1 TB Cache Enablement	3
5268 100 MB/sec Increment	2
9000 Mainframe Attachment	1
9219 TS3500 Attach	1
9350 Plant Install V06 in F05	1
9461 8GB Memory Upgrade - Plant	1
9900 Encryption Configuration	1

3957-VEA TS7720 Virtualization Engine Server	1
0201 9 Micron LC/LC 31 Meter	2
1033 1Gb Grid Dual Port Optical SW Connection	2
2715 Console Attachment	1
3442 FICON Long Wavelength Attachment	2
4015 Grid Enablement	1
5268 100 MB/sec Increment	1
9000 Mainframe Attachment	1
9268 100 MB/s Throughput - Plant	1
9350 Plant Install V06 in F05	1
9461 8GB Memory Upgrade - Plant	1

APPENDIX B

WVOT DATA CENTER HARDWARE Effective 11/17/10

CPU_s

- 1 IBM z10 (Model 2098-E10) capacity setting V02 Enterprise Server
also containing one IFL and one zIIP engine

DASD

- 1 IBM 2105-800 TotalStorage Enterprise Storage Server with 5.2 TB with 6 FICON
Ports, FlashCopy, PAV, and:
- 2 2124 72.8GB Disk, 8-pack, 10K RPM
4 2125 145.6GB Disk, 8-pack
1 2717 ESS Master Console
1 2924 Operator Panel Lang, US English
7 3013 Dual Port 64 Bit ESCON Adapters
1 4014 16 GB Cache
1 8005 PAV - Up to 6TB
1 8305 FlashCopy - Up to 6TB
7 9770 STD ESCON Cable (MT/RJ-DUP QTY 14)
1 9854 Three-Phase 50/60 Hz, 60 Amp
1 9870 Nominal AC Voltage: 200V240V
- 1 2240-FLC ESS Function Authorization
1 8305 FlashCopy - Up to 6TB
1 9934 IBM E-server z Series Designator
- 1 2240-PAV ESS Function Authorization
1 8005 PAV - Up to 6TB
1 9934 IBM E-Server z Series Designator

Tape

- Units** *****(TO BE REPLACED BY THIS PROCUREMENT)*****
- 2 **STK 9310 Library Storage Module**
1 **STK 9311 Library Control Unit**
1 **STK 4410 Library Storage Module**
1 **STK 4411 Library Control Unit**
1 **STK 4430 Library Management Unit**
4 **STK 9490 M34 Cartridge Drive (16 Transports)**
1 **IBM 3590-B1A Cartridge Drive (12 Transports)**
3 **IBM 3590-A50 Tape Control Unit**

Printers

- 2 IBM InfoPrint 4000 Printer (Models ID1/ID2)
- 1 STK 5000 Impact Printer

Supplementary Printing Equipment

- 1 Roll Systems 800152 Unwinder
- 2 Roll Systems 800162 Folder/Job Separator
- 1 Roll Systems 501254 Output Unloader
- 1 Roll Systems 503176 Cutter
- 1 Roll Systems 503410 Trimmer
- 1 Roll Systems 500777 Stacker
- 1 Roll Systems 50386601 Web Handler

Communications Equipment

- 1 Cisco Systems 7513 Router
- 1 Cisco Systems AS5200 (used for remote ISDN applications)
- 1 Cisco Systems Pix Firewall
- 2 IBM 31741L Cluster Controller

Spectrol 601C Data Analyzer

APPENDIX C

WVOT DATA CENTER ENTERPRISE SERVER SOFTWARE
Effective 02/15/11

<u>VENDOR/SOFTWARE</u>	<u>FUNCTION</u>
IBM	
z/OS Version 1, Release 11 (5751-CS9)	Operating System
RMF V1, R11 (5694-A01)	Provides basis for tuning the system to user requirements and tracks resource utilization
DFSMS/DFP/DSS/HSM V1, R11 (5694-A01)	Provides data management, device support, program library management, utility functions, user and system catalog support, hierarchical storage manager, and dataset services for ESA operating system
SMP/E V3, R5 (5694-A01)	Supports software changes and new functions, corrective and preventative service, and user modifications in ESA
z/OS Security Server (RACF) V1, R11 (5694-A01)	Security server
EREP V1, R11 (5654-260)	Reports on hardware/software exceptions and conditions
SecureWay Communications Server V1, R11 (5694-A01)	Telecommunications access method.
TSO/E V1, R11 (5694-A01)	Allows users to interactively share computer time and resources
z/VM V5, R4.0 (5741-A05)	Operating system (z/VM). NOTE: V6, R1 is undergoing in-house testing.

DB2 V8, R1.0 (V9R1 in-house) (5675-DB2)	Relational database management system that allows definition, access, and recovery of data.
CICS Transaction Server for z/OS R3.2 (5655-M15)	Transaction processor
DB2 Connect Unlimited Edition for Linux & z Series V8.2 (fixpack 7) Part No. D50MQLL	Allows remote access to DB2 mainframe databases.
AFP Collection Fonts V1, R1.0 (5648-113)	Advanced function printing
Page Printer Formatting Aids/370 V1, R1.0 (5688-190)	Advanced function printing
Overlay Generation Language (OGL/370) V1, R1.0 (5688-191)	Advanced function printing
Print Services Facility V4, R3 (5655-M32)	Advanced function printing
ACIF V4, R3 (5655-M32)	Indexing facility for PSF
DFSORT V1, R11 (5694-A01)	Sort and merge
DITTO/ESA V1, R11 (5655-103)	Multipurpose disk and tape utility
Enterprise COBOL for z/OS V3.4.1	Programming language

(5655-G53)	
High Level Assembler V1, R9 (5694-A01)	Language base required in operating system
SDSF V1,R11 (5694-A01)	Productivity aid used in conjunction with ISPF/PDF (TSO)
SDFII/CICS V1, R4 (5665-366)	CICS screen definition facility
ISPF V1, R11 (5694-A01)	TSO programmer productivity aid
OS/PL/1 Optimizer, Compiler V2, R3.0 (5668-910)	PL/1 compiler with optimizer and Library
GDDM/MVS V1, R11 (5694-A01)	Graphical data display manager
HTTP Server V5.3 (5694-A01)	Web Server
Tivoli Storage Manager V5.5.4.2 (5698-A11)	Data Backup
z/OS V1.11 C/C++ Compiler (5694-A01)	Compiler
Ported Tools for z/OS V1.01.04 (5655-M23)	Provides secure encryption for remote login to the z/OS shell and to remote file transfer
DITTO/ESA for MVS V1.03 (5655-103)	Tape utility
XML Toolkit for z/OS	Assists in creating, integrating, and maintaining

V1.10
(5655-J51)

business-tobusiness solutions (open source code)

ASG

The Monitor for CICS
V3.1

CICS performance monitor

The Monitor for DB2
V4.0

DB2 performance monitor
Upgrade to V4.1 in progress

ViewDirect for MVS
V6.4

Report distribution

DocumentDirect
V4.2

Report distribution for the client

BMC Software

Control-M
V6.2.20

Batch job scheduler

Control-M/Restart
V6.2.20

Batch job restart facility

Candle

AF/OPERATOR
V340

Data Center Automation

SA IOM
V2R1

Enterprise server beeper/pager support

Chicago-Soft

MVS/QuickRef
R7.3

Online message and code reference

Computer Associates

CA-UNICENTER TNG
R11.5 SP08

Common services and enabling technology for CA systems
management solutions

CA-PMA/LOOK R7.1	Real-time system performance measurement
CA-1 R12.0	Tape management system
CA-InterTest R8.0	CICS source code tool
CA-N-VISION/TPX R5.2	VTAM session manager
CA-LIBRARIAN/VS R4.3	User source code library
Plan Analyzer Unicenter PPA 11.5.1 (installing 14.0)	DB2 development aids
Batch Processor Unicenter RBP 11.5.1 (installing 14.0)	DB2 development aids
RC/Migrator Unicenter RCM 11.5.1 (installing 14.0)	DB2 development aids
RC/QUERY Unicenter RCQ 11.5.1 (installing 14.0)	DB2 development aids
RC/Secure Unicenter RCS 11.5.1 (installing 14.0)	DB2 development aids
RC/Update Unicenter RCU 11.5.1 (installing 14.0)	DB2 development aids
Info-Refiner Advantage INFOREF 11.5.1 (installing 14.0)	DB2 development aids
PRF Adv. Rept. Facility 11.5.1 (installing 14.0)	DB2 development aids

VISION:RESULTS
R12.0

4GL information management and report generator

VISION:Sixty
R12.0

Fixed-form report generator and extended utility

**The following CA products
are for
Tax & Revenue use only**

CA-Datcom/DB Product Pak
R11.0 SP04

Database

CA-Datcom Server
R3.0

Communications component. Provides SQL access to CA-Datcom/DB mainframe data.

CA-Datcom/CICS Services
R11.0 SPO1

Provides communications to programs operating with CA-Datcom/DB

CA-Datcom Datadictionary
R9.0

Datadictionary for CA-Datcom/DB

CA-Datcom/DL1
Transparency
R2.3 (9912)

Allows programs that were written for IMS/DB or DL/1 to execute unchanged under CA-Datcom/DB

CA-Datcom/Ext SQL
R9.0

Extension beyond ANSI standard. Allows SQL queries on a relational database.

CA-Datcom/IMS DC
Services
R1.0A

Allows interfacing between IMS and Datcom: the ability to write in IMS and read in Datcom

CA-Datcom/VSAM
Transparency
R2.2

Conversion tool that permits a VSAM-based application to operate under the control of CA-Datcom/DB

CA-Quickserv for VSAM
R1.0

Allows VSAM application to access data in Datcom that has been migrated from a VSAM environment

Innovation

FATS/FATAR
R4.0

Tape surface verification and copy

Levi, Ray and Shoup

VTAM Printer Support System (VPS) V1, R8.0	Supports remote printers without need for RJE connection
VPS/TCPIP R1, R8.0	Supports TCP/IP Printers
DRS V1, R3.4	Dynamically routes print output
VMCF/TSO V1, R8.1	Facilitates control of printers

MacKinney Systems

Batch To CICS V1, R3	Allows programmers to move all or part of files in and Out of CICS via TSO
KWIK-KEY R3.3	VSAM alternate index builder
CICS/MORNING NEWS R3.1	Broadcasts news to CICS users
CICS/MESSAGE R5.1	Sends messages to terminals, userids, and operator consoles

Novell

Linux SLES 9 and 10	Operating System
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Oracle

Oracle 9i and 10G R9.2.0.3.0	Relational data base management system
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Pitney Bowes

Stream Weaver	Provides added print design functionality
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R6.4.7

PROGINET

Cyberfusion Integration Suite Data mover

**Software AG
(for DHHR use only)**ADABAS
R8.1.3 Relational database facility
Upgrade to R8.2.2 in progressADABAS CICS Interface
R8.1.3 Relational database facility
Upgrade to R8.2.2 in progressNATURAL
R4.2.5 Software development tool
Upgrade to R4.2.6 in progressNATURAL CICS Interface
R4.2.5 Software development tool
Upgrade to R4.2.6 in progressNATURAL Security
R4.2.5 Software development tool
Upgrade to R4.2.6 in progressNATURAL TSO Interface
R4.2.5 Software development tool
Upgrade to R4.2.6 in progressNATURAL for DB2
R4.2.5 Software development tool
Upgrade to R4.3.1 in progressPREDICT
R4.5.2 Data dictionary
Upgrade to R4.6.1 in progressSYSTEM MAINTENANCE
AID
R1.3.1 Software installation tool
Upgrade to R2.1.2 in ProgressEntireX Broker
V7.2.1 Messaging Server
Upgrade to R8.0.1 awaiting user-agency action**SAS Institute**SAS
R9.2 Statistical analysis, data creation, report writing

SAS ACCESS/DB2
R9.2

DB2 interface

SAS/FSP
R9.2

Editing procedure for SAS datasets

SAS/SHARE
R9.2

SAS file updating tool

Serena International

COMPAREX
R6.2.0

Compares, and highlights the difference between, two files of any structure or organization

Serena StarTool FDM
V7.7.0

Multipurpose online utility

Sterling Commerce (for DHHR use only)

Connect:Direct for OS/390
V4, R4.04

Host-to-Host file transfer

StorageTek

HSC
R6.1

Host software component for automatic cartridge system

PM2
V6.0A

Reports on StorageTek hardware exceptions

Unicom Systems

CARTS-TS
R3.6.0

Tape stacking

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). West Virginia Code, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the West Virginia Code. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

- 1. Application is made for 2.5% resident vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. Application is made for 5% resident vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: _____ Signed: _____

Date: _____ Title: _____

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

ISCL0093

RFQ No. _____

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: _____

Authorized Signature: _____ Date: _____

State of _____

County of _____, to-wit:

Taken, subscribed, and sworn to before me this ____ day of _____, 20__.

My Commission expires _____, 20__.

AFFIX SEAL HERE

NOTARY PUBLIC _____