



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
ISCH0265

PAGE
1

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

*B30134126 484-582-2000
**SUNGARD AVAILABILITY SVS
 680 EAST SWEDSFORD ROAD
 WAYNE PA 19087**

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
06/25/2008				

BID OPENING DATE: **07/23/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	LOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		920-20		
<p align="center">DISASTER RECOVERY SERVICES AGREEMENT</p> <p align="center">REQUEST FOR QUOTATION</p> <p>THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA OFFICE OF TECHNOLOGY, IS SOLICITING BIDS TO PROVIDE THE AGENCY WITH DISASTER RECOVERY SERVICES FOR THE MAINFRAME AND NETWORK BACKBONE SUPPORT PER THE ATTACHED SPECIFICATIONS.</p> <p>THERE WILL BE A MANDATORY PRE-BID CONFERENCE ON JULY 09, 2008 AT 1:30 PM. THIS MEETING WILL TAKE PLACE VIA CONFERENCE CALL. ALL VENDORS WISHING TO SUBMIT A BID ON THIS PROJECT MUST BE IN ATTENDANCE BY PHONE FOR THIS MEETING. ANY VENDOR FAILING TO ATTEND WILL BE DISQUALIFIED FROM BIDDING ON THIS PROJECT. NO ONE PERSON MAY REPRESENT MORE THAN ONE VENDOR. THE CALL IN NUMBER FOR THIS MEETING IS 866-578-5695. THE CODE NUMBER IS 4184911044. SHOULD YOU EXPERIENCE DIFFICULTY PLEASE CALL ONE OF THE FOLLOWING NUMBERS: 304-558-3456 304-927-8280 OR 304-558-0835.</p> <p>IT IS STONGLY SUGGESTED THAT EACH VENDOR CALL ABOUT 15 MINUTES PRIOR TO THE START OF THE MEETING IN ORDER AVOID DELAYS OR TO ADDRESS ANY PROBLEMS WITH GETTING PATCHED IN. THE VENDOR ASSUMES ALL RESPONSIBILITY FOR ANY TECHNICAL DIFFICULTIES IN CONNECTING TO THIS CALL.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS PROJECT MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST</p>						

RECEIVED
 08 JUL 22 PM 2:08
 PURCHASING DIVISION
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>James M. [Signature]</i>	TELEPHONE 410 882-3566	DATE July 11/2008
TITLE Vice President	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

**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. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, 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.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA Business Associate Addendum** - The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** 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. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** 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.

SIGNED BID TO:

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



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 304-558-2596**

VENDOR

*B30134126 484-582-2000
**SUNGARD AVAILABILITY SVS
 680 EAST SWEDSFORD ROAD
 WAYNE PA 19087**

SUPPLIER

**DEPARTMENT OF ADMINISTRATION
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<p>VIRGINIA STATE PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS RFQ, VIA FAX AT 304-558-4115, OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV DEADLINE FOR ALL TECHNICAL QUESTIONS IS 07/11/2008 AT THE CLOSE OF BUSINESS. TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE. QUESTIONS CONCERNING THE PROCESS BY WHICH A VENDOR MAY SUBMIT A BID TO THE STATE OF WEST VIRGINIA ARE NOT CONSIDERED TECHNICAL QUESTIONS AND MAY BE SUBMITTED AT ANY TIME PRIOR TO THE BID OPENING DATE AND IN ANY FORMAT.</p> <p>EXHIBIT 3</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON AWARD AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p> <p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *James M. Poffe* TELEPHONE **410 882-3566** DATE **July 11, 2008**
 TITLE *Sie President* FEIN ADDRESS CHANGES TO BE NOTED ABOVE

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AUTHORITY

*B30134126 484-582-2000
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<p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK.)</p> <p>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIED BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF THE CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</p> <p>ORDERING PROCEDURE: SPENDING UNIT(S) SHALL ISSUE A WRITTEN STATE CONTRACT ORDER (FORM NUMBER WV-39) TO THE VENDOR FOR COMMODITIES COVERED BY THIS CONTRACT. THE ORIGINAL COPY OF THE WV-39 SHALL BE MAILED TO THE VENDOR AS AUTHORIZATION FOR SHIPMENT, A SECOND COPY MAILED TO THE PURCHASING DIVISION, AND A THIRD COPY RETAINED BY THE SPENDING UNIT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED WITHOUT FURTHER ORDER.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Jawon M. Poffo</i>	TELEPHONE 410 887 3562	DATE July 11, 2008
TITLE Vice President	ADDRESS CHANGES TO BE NOTED ABOVE	

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PROPERTY

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PROPERTY

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<p>THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM.</p> <p>REV. 04/11/2001</p> <p>PURCHASING CARD ACCEPTANCE: THE STATE OF WEST VIRGINIA CURRENTLY UTILIZES A VISA PURCHASING CARD PROGRAM WHICH IS ISSUED THROUGH A BANK. THE SUCCESSFUL VENDOR MUST ACCEPT THE STATE OF WEST VIRGINIA VISA PURCHASING CARD FOR PAYMENT OF ALL ORDERS PLACED BY ANY STATE AGENCY AS A CONDITION OF AWARD.</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 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>EXHIBIT 10</p> <p style="text-align: right;">REQUISITION NO.:</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED</p>						

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SIGNATURE <i>James M. Poffe</i>	TELEPHONE 410 822-3566	DATE July 11, 2008
TITLE State President	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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SHIP TO

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<p>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 SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p>..... SIGNATURE Sungard Availability Services COMPANY DATE</p> <p>James M. Poffel Vice President, Sales</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>James M. Poffel</i>	TELEPHONE 410-882-3566	DATE July 11, 2008	ADDRESS CHANGES TO BE NOTED ABOVE
TITLE Vice President	FEIN		

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REV. 11/96						
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). A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED: <input type="checkbox"/> 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 <input type="checkbox"/> BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS 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 <input type="checkbox"/> BIDDER IS A CORPORATION 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.						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>James M. Pappas</i>	TELEPHONE 410 882-3566	DATE July 11, 2008
TITLE State Resident	ADDRESS CHANGES TO BE NOTED ABOVE	

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<p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() 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;</p> <p>OR</p> <p>() 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 BIDDERS' 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.</p> <p>BIDDER UNDERSTANDS IF THE SECRETARY OF TAX & 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) RESCIND THE CONTRACT OR PURCHASE ORDER ISSUED; 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.</p> <p>BY SUBMISSION OF THIS CERTIFICATE, BIDDER AGREES TO DISCLOSE ANY REASONABLY REQUESTED INFORMATION TO THE PURCHASING DIVISION AND AUTHORIZES THE DEPARTMENT OF</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>James M. Peppers</i>	TELEPHONE 410 882-3566	DATE July 11, 2008
TITLE Site Resident	ADDRESS CHANGES TO BE NOTED ABOVE	

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BIDDER'S ADDRESS

*B30134126 484-582-2000
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BIDDER'S PHONE NUMBER

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<p>TAX AND 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.</p> <p>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.</p> <p>BIDDER: <u>Sungard Availability Services</u></p> <p>DATE: <u>July 11, 2008</u></p> <p>SIGNED: <u>James M. Poffel</u></p> <p>TITLE: <u>Vice President</u></p> <p>* CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMUM 5% PREFERENCE FOR BOTH "A" AND "B". (REV. 12/00)</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p>						

James M. Poffel
 Vice President, Sales

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE <u>James M. Poffel</u>	TELEPHONE <u>410 882 3566</u>	DATE <u>July 11, 2008</u>
TITLE <u>Vice President</u>	ADDRESS CHANGES TO BE NOTED ABOVE	

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I. SCOPE

The West Virginia Office of Technology (WVOT) requests quotations for disaster recovery services as identified below. The services will include the use of an alternate processing facility / recovery center, both for testing purposes and in the event of a customer-declared disaster. The WVOT (identified hereinafter as the customer) provides essential IT services, including mainframe and network/backbone support, to State agencies. Disaster recovery services are critical to that mission.

II. CUSTOMER'S CURRENT ENVIRONMENT

A. BACKUP PROCEDURES

Customer and system backup tapes are stored off-site. In the event of a disaster recovery test or declared disaster, the customer will be responsible for transporting the tapes to the recovery center. The customer does not, at this time, contemplate writing data directly to the recovery center.

B. HARDWARE / SOFTWARE

1. Hardware

Quantity	Machine/Product	Product Description
1	z890-270	<p>IBM enterprise server configured with 3 processors and 16 GB of memory. (Two processors are CP with 707 MIPS; one processor is an IFL with 366 MIPS.) Contains PR/SM feature and 3 LPARS:</p> <p><u>LPAR1 (z/OS production LPAR # 1)</u></p> <p><u>LPAR2 (z/OS production LPAR # 2)</u></p> <p><u>LPAR3 (VM LPAR with LINUX)</u></p>
1	2105-800	<p>IBM enterprise storage server configured with 4.5TB of usable storage. Configuration includes use of Flash Copy and PAV. The device supports the following types of full-volume formatted storage: 3390-9 and 3390-3 (enterprise); and 3390-9 and 3390-3 (open systems – Linux).</p>

12	3590-B1A	IBM Magstar tape drives
3	3590-A50	IBM Magstar control units
16	9490-M34	StorageTek tape drives
3	9310	StorageTek library storage modules
3	9311	StorageTek library control units
2	InfoPrint 4000 ID1/ID2	IBM printing systems, each capable of printing 225 pages per minute. Printers use PSF software to create IPDS format documents in simplex and duplex mode
1	DocuTech 128HLC	Xerox printing system capable of producing PDFs and red highlight color output
2	OSA Express 1000 Base-T	Total of 4 ports.
1	OSA Express Gb E	Total of 2 ports

2. Software

Partition 1

z/OS V1.7 operating system

CICS R3.2

DB2 V7

Numerous ISV products

Partition 2

z/OS V1.7 operating system

CICS R2.2

CA-Datcom products

Partition 3 (IFL)

z/VM (Version 5.3) operating system

Linux SUSE 9, 10

Oracle 9i, 10g

III. VENDOR EQUIPMENT REQUIREMENTS

The following equipment and capacity shall be available to the customer at the recovery center for scheduled testing, and immediately upon customer-declaration of a disaster. Functionally equivalent equipment is acceptable to the customer.

The vendor shall provide a list of all proposed equipment, including brands and models.

<u>Quantity</u>	<u>Machine/Product</u>	<u>Product Description</u>
1	IBM z-Series Enterprise Server	Capable of at least 500 MIPS utilizing, at a minimum, 2 CP processors, 1 IFL, 16GB of memory and partitioned using PR/SM into two LPARs: <u>LPAR1 (z/OS production LPAR)</u> <u>LPAR2 (VM LPAR)</u>
1	Enterprise Storage Server	Configured with 4.5TB of usable storage; capable of performing, at a minimum, 3500 I/Os per second; configured as 3390-9 and 3390-3 and supporting PAV and Flash Copy.
12	IBM Magstar 3590-B1A Tape Drives	128-track, configured with IBM A60 controllers and capable of reading / writing from / to 3590-B tape media
16	3490 Tape Drives	36-track, capable of supporting 3490-E tape media
6	PC Workstations	For use as operator consoles and TN3270 sessions

1	Printing System	Capable of producing 225 pages per minute of IPDS output in simplex mode, using continuous forms, and capable of printing in duplex mode.
1	Impact Printer	Minimum speed of 1000 lines per minute, using continuous forms.
1	OSA Express GbE	Total of 2 ports.
2	OSA Express 1000 Base-T	Total of 4 ports.
1	T1	The State of WV will be responsible for providing the line and any necessary expenses involving T1 connections at the vendor recovery center. The T1 connection will terminate at a customer-supplied router located at the recovery center. (Also see Section IV, item 9.)
1	Line	Analog Line for Dial-In to Router
1	Modem	V.92 for router connectivity
1	CISCO 3845	Router with the following features: 3845 w/AC PWR,2GE,1SFP,4NME,4HWIC, IP Base, 64F/256D
1	S384AISK9-12418	CISCO 3845 ADVANCED IP SERVICES
2	NM-1GE	1 Port GE Network Module
1	NM-1T3/E3	One port T3/E3 network module
1	VWIC2-2MFT-T1/E1	2-Port 2nd Gen Multiflex Trunk Voice/WAN Int. Card - T1/E1
2	GLC-T=	1000BASE-T SFP
1	CISCO GbE Switch	with the following features: WS-C3560G-24TS-S Catalyst 3560 24 10/100/1000T + 4 SFP Standard Image; 2 GLC-SX-MM= GE SFP, LC connector SX transceivers; fiber cables as required to connect the switch to the OSA ports on the recovery enterprise server.

1 CISCO SMARTNET 24x7x4 for above equipment

IV. GENERAL SPECIFICATIONS

1. The vendor shall make an alternate processing facility / disaster recovery center available to the customer for use in scheduled disaster recovery testing, and immediately in the event of a customer-declared disaster.
2. Recovery services in support of the customer shall be concentrated at a single recovery center. The recovery center shall be located no further than 600 miles from the customer's site, which is located at 1900 Kanawha Boulevard East, Charleston, WV 25305.
3. The vendor shall maintain technical compatibility with the customer as the customer upgrades hardware, software, and network configurations during the life of the contract resulting from this RFQ.
4. At no additional cost, the customer shall have access to, and use of, the vendor's recovery center, and equipment configuration (as specified in Section III of this RFQ), for up to 60 hours each year, in order to test its disaster procedures. The test hours shall be either contiguous or divided into multiple tests, at the customer's option. The customer anticipates performing one inclusive test each calendar year, but it reserves the right to perform multiple tests. In either case, the total test-time will not exceed 60 hours a year.
5. The customer will consult with the vendor in scheduling test time. The vendor shall provide the customer with a scheduled block of test time within 30 days of customer request. The actual test shall start no less than 60 days thereafter, in order for the customer to have time to prepare properly. The customer's testing shall include, but not be limited to: loading and testing the customer's mainframe operating systems, restoration of the State's backbone network, restoration of critical State applications and databases, batch processing, printing, and communications testing.
6. Immediately upon the conclusion of each of the customer's tests and actual disaster recovery events, the vendor shall perform a minimum initialization of the Direct Access Storage Device (DASD) volumes that were used by the customer. If the customer requires a more thorough erasure of its data from DASD, the customer will be responsible for performing the task, and will perform it after each test (within the 60 hour window) or immediately upon the conclusion of any actual disaster recovery event.
7. The vendor shall provide technical support personnel, including systems programmers and network engineers, to assist the customer in the planning of tests, and during events at the recovery facility. The same support shall be available to the customer 24/7 during tests and customer-declared disasters.

8. If the customer requests, the vendor shall assist the customer in handling the customer's tapes. Such assistance could take the form of unloading/loading tapes from the transport vehicle(s) and transporting the tapes between the vehicle and the vendor's tape facilities.
9. The customer will ship a router to the vendor after award of bid. The vendor shall install the router, house it in a secure cabinet, and ensure that it remains fully operational at all times. At the time of a scheduled disaster recovery test or declared disaster, the vendor shall connect the customer's router to the vendor's router. The vendor shall, upon customer request, provide the exact cabinet location of the router.
10. The recovery center shall feature uninterruptible power supply (UPS) units, batteries, diesel generators, redundant transformers, redundant chillers/air conditioners, smoke and water detectors, fire suppression systems, 24-hour guard service, and closed circuit TV monitoring.
11. The vendor shall provide the customer with minimal office facilities during testing and disasters. The facilities shall be located at the recovery center and shall include at least 600 square feet of office space, chairs, work surfaces, terminals connected to the recovery CPU, at least six (6) telephones connected to long-distance service, and Internet access.
12. The vendor shall have at least three (3) years of experience in assisting clients in recovering IBM mainframe-based applications at its recovery center(s).
13. The vendor shall provide a minimum of three (3) references, with contact information, which are currently using the proposed recovery center. The references shall be located within the continental United States. The customer reserves the right to contact each of the references.
14. The vendor shall provide an overview of the vendor's proposed recovery center. The overview shall include at least a written description of the facility, and should include photographs of the facility; driving directions to the facility from the customer's site at 1900 Kanawha Boulevard East, Charleston, WV; driving directions to the facility from nearby airports; and a map(s) indicating the location of the facility, recommended routes, and nearby lodging.

V. PRE-TEST SPECIFICATIONS

1. At least two weeks prior to the start of disaster recovery tests, the vendor shall provide the customer with the names, phone numbers, electronic mail (e-mail) addresses, and hours of availability, of individuals who will be assisting the customer, remotely, in preparation for the test, and at the recovery center during the test. Said individuals shall include, at a minimum, the project manager, the IT specialist, and the network management integrator. The vendor shall also indicate who will be available to provide similar assistance to the customer, at the recovery site, during hours outside of prime shift (8:00 a.m.- 5:00 p.m.) and shall provide similar contact information for those individuals.
2. **MODEM TEST** Approximately 12 hours prior to a scheduled disaster recovery test, the vendor shall work with the customer's networking staff to facilitate an end-to-end mini-test to ensure connectivity between the customer's modem and the recovery center's modem and router. After successful connectivity to the disaster recovery center's modem and router, the customer will remotely configure the T1 interface of the router located at the recovery center.
3. **T-1 TEST** At the start of the disaster recovery test, the customer and the vendor shall work together to establish connectivity between the customer's data center and the vendor's router. During the entire testing period, the vendor shall provide modem connectivity into the router located at the recovery center.
4. After the conclusion of the disaster recovery test, the vendor shall save the customer's router settings. The vendor shall load the configuration during the customer's next mini-test, disaster recovery test, or customer-declared disaster.

VI. TERMS AND CONDITIONS

1. The contract resulting from this RFQ will become effective upon award, and will extend for a period of one (1) year thereafter. The vendor must be able to begin providing all services, as identified above, on November 1, 2008.
2. The contract may be renewed upon the mutual written consent of the customer and the vendor, submitted to the Director of the Purchasing Division 30 days prior to the contract expiration date. Such renewal shall be limited to two (2) successive one-year terms.
3. The vendor shall assume full responsibility for delivery of all services provided under this contract. Any use of subcontractors shall not relieve the vendor of said responsibility.

VII. MANDATORY PRE-BID CONFERENCE

1. A mandatory pre-bid telephone conference call will be conducted at 1:30 P.M. ET on Wednesday, July 9, 2008. The call-in number will be 866-578-5695. The code number will be 4184911044. If the call-in number is unavailable, call one of the following numbers, and ask to be patched into the conference call:

304-558-3456
304-957-8280
304-558-0835.

All interested bidders are required to participate in the conference call. Failure to participate shall automatically result in disqualification.

VIII. COSTS

1. The vendor shall complete the attached cost sheet and include it with the bid response.
2. The Monthly Subscription Cost shall be based on the requirements identified in Sections III and IV of this RFQ.
3. The Comprehensive Disaster Declaration Fee shall include all customer costs associated with declaring a disaster. For bid preparation purposes, the vendor should assume that the customer will declare one disaster during the initial 12 months of the contract.
4. The Recovery Daily Usage Charge shall include all costs for the customer to use the recovery center in the event of a customer-declared disaster or customer test. For bid preparation purposes, the vendor should assume that the customer will need to use the recovery center for a minimum of three (3) days during the initial 12 months of the contract.
5. The vendor shall provide the cost, if any, of installing and housing the customer-supplied router referred to in Section IV, Item 9 above.
6. Costs quoted shall be all-inclusive. No separate reimbursement will be made to the vendor for travel or any other expense.

COST SHEET

NOTE: Enter "0" or "zero" for any no-cost line items. Blank fields will be interpreted as no-cost.

VENDOR NAME SUNGARD AVAILABILITY SERVICES
 VENDOR ADDRESS 608 EAST SWEDSPORA ROAD, WAYNE, PA 19087
 VENDOR CONTACT MARK THAMES
 VENDOR PHONE NO. 484-582-2443

MONTHLY SUBSCRIPTION COST:

\$2,610 PER MONTH x 12 MONTHS = \$31,320

COMPREHENSIVE DISASTER DECLARATION FEE \$16,000

RECOVERY DAILY USAGE CHARGE

\$11,850 PER DAY x 3 DAYS = \$35,550

\$150 / MONTH

ANY OTHER COSTS (see Section VIII, item 5)

* 5% Annual Increase

GRAND TOTAL COST

\$83,020

As an optional enhancement, SunGard Availability Services could add additional value to the contract if the contract is awarded to us. For an additional \$1,300, SunGard could add testing services, full system restoration. In the event of a disaster, the State of West Virginia would provide the tapes to SunGard for the restoration process allowing the State of West Virginia to focus on the recovery process.

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 exceeds 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.

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, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, 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.

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. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

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

Vendor's Name: Sungard Availability Services

Authorized Signature: James M. Poffel Date: July 11, 2008

Purchasing Affidavit (Revised 06/15/07)

James M. Poffel
Vice President, Sales

DRAFT

Schedule Number 61169 v. 1.0
For Recovery Services Governed by
Master Agreement for U. S. Availability Services
Between

DRAFT

SunGard Availability Services LP and STATE OF WEST VIRGINIA - DEPT OF ADMIN

Dated April 27, 2005

Page 2 of 5

Qty	Hotspot 1	
	Customer Configuration Ref: IBM Z series	
3	Annual Test Periods - Additional	
1	IBM zSeries Processor	
	3	LPAR
	707	IBM MIPs
	6,144	MB Memory
	1	OSA-Express Ethernet 10/100/1000Mbps Port
	2	OSA-Express Ethernet Gigabit Port
	1	OSA-Express Ethernet 10/100Mbps Port
	707	IBM MIPs
	5,120	MB Memory
	1	OSA-Express Ethernet 10/100Mbps Port
	366	IBM MIPs
	5,120	MB Memory
	1	OSA-Express Ethernet 10/100Mbps Port
1	Sysplex Timer	
1	Parallel Sysplex Coupling Facility	
1	Xerox DocuPrint 135MX EPS with DocuSP Controller	
1	Oce Pagestream 372 Continuous Form Simplex Printer	
1	Oce Pagestream 372 Continuous Form Simplex Printer	
1	SUN/STK 9310 Library	
	16	STK 9490 Tape Drive (ESCON Attached)
	500	Slots
1	IBM 3494 Library and B20 VTS - VTS w/ (6)3590E Drives,1200GB compressed Cache, (128)Addresses	
	16	IBM 3590-E Tape Drive
	500	Slots
1	IBM 3494 Library and B18 VTS - VTS w/ (6)3590E Drives,1296GB compressed Cache, (128)Addresses	
	12	IBM 3590-E Tape Drive
	500	Slots
4,608	GB of Mainframe DASD	

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Availability Services and Information
Connected.™

DOC ID: 61169 VER.: 1.0
ACCOUNT NUMBER: 55072 QUOTE ID: 72954
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Dated April 27, 2005

Page 3 of 5

Qty	Hotsite 1	
	<i>(Continued)</i>	
	1	PAV (Parallel Access Volume) Creation
	1	Flash Copy Creation

Qty	Mobile 1	
	Customer Configuration Ref: Network Config	
3	Annual Test Periods - Additional	
1	Intel-Based Server, 1.44MB Diskette Drive, Keyboard, Monitor, Mouse	
	1	Xeon 3.4 GHz CPU w/EMT64
	512	MB Memory
	36	GB Internal Disk
	1	CD-ROM Drive
	1	Ethernet 10/100 Mbps Port
1	Cisco 3845 Router	
	1	MB DRAM
	1	MB FLASH
	2	10/100/1000 Ethernet Port
	1	DS3 Serial Port
1	Cisco Catalyst 3560G Ethernet Switch	
	24	10/100/1000 Ethernet Port
1	Centrex Analog Lines	

Qty	Network 1	
	Dedicated Access Circuit. Customer/Subscriber Provided Access	
	1	DS-1 Destination(s): Philadelphia PA

Qty	Work Group 2	
	Customer Configuration Ref: 6 PC Workstations	
	2	Annual Test Periods - Additional
	1	Access to Copier
	1	Access to Facsimile
	1	Analog Line for Modern Connectivity
	6	Furnished WorkGroup Position (Desk, Chair, Voice & Data Wiring)

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SunGard Availability Services LP and STATE OF WEST VIRGINIA - DEPT OF ADMIN

Dated April 27, 2005

Page 4 of 5

Qty	Work Group 2 (Continued)
1	MetroCenter Facility Access
6	Digital Telephone Set
6	Desktop PC w/1.44MB Diskette Drive, Keyboard, Monitor, Mouse
1	Pentium 2.53 GHz CPU
512	MB Memory
4	GB Internal Disk
1	CD-ROM Drive
1	Ethernet 10/100/1000 Mbps Adapter

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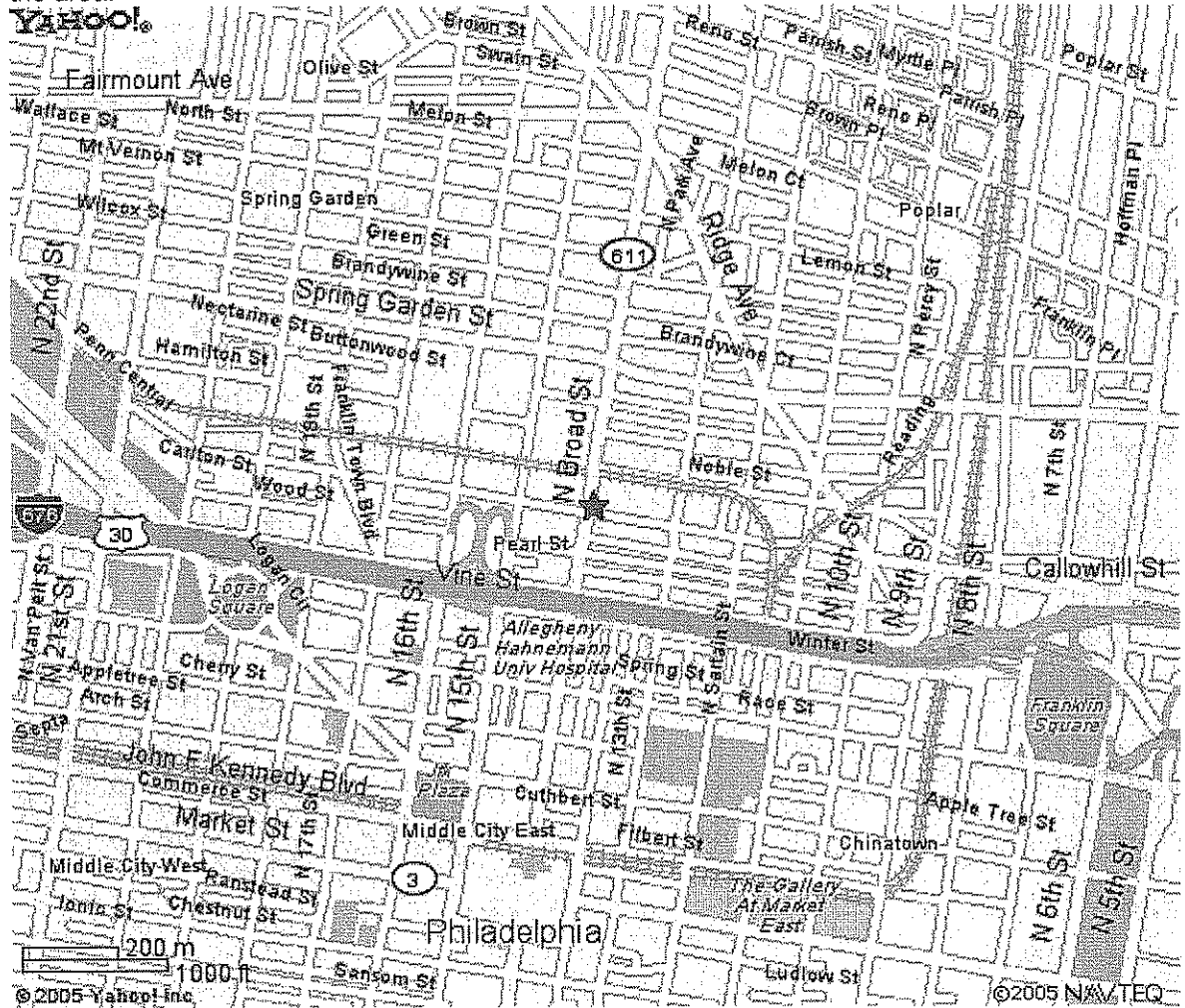
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References:

State of Rhode Island	Michael A. Lombardi	401-462-4702
Highmark, Inc.	Paul Vymazal	717-302-9817
Rutgers University	RobertAllen	732-445-2138

PHILADELPHIA FACILITY INFORMATION

This center is located in downtown Philadelphia. There is no hazardous material storage nearby; the airport is approximately 10 miles away; both the Schuylkill and Delaware Rivers are both about 5 miles away; SunGard does not know of any earthquake faults in the area.



SunGard's Philadelphia MegaCenter is the largest recovery center in the world and has over 500,000 square feet. The relevant square footage information is as follows:

Continuity capabilities:

SunGard MegaCenters provide a total recovery environment, including support for your technology, applications, and people as set forth in Rhodia's proposal. MegaCenters incorporate the latest technology, state-of-the-art hardware, disk storage, telecommunications, and associated peripherals to meet your specific processing requirements.

- Support for 22 diverse technology platforms
- Equipment exclusively dedicated to testing and recovery
- Onsite expertise and technical support
- Access to multiple telecommunications providers
- Continuous, redundant power sources including UPS, battery and auxiliary diesel power

- Redundant HVAC systems
- Multi-level fire detection and suppression systems
- Closed circuit TV security monitoring systems
- 24 x 7 staffing and facility monitoring
- SunGard Site Interface for Mobile units

Strategic platforms available:

IBM Mainframe

- High Availability Services
- AS400
- DEC Alpha
- HP
- RS6000
- SUN
- Work Group
- Intel Based Servers
- NCR
- Sequent
- Tandem

Voice Capabilities:

- Nortel Meridian
- 300 Digital phones
- Voice Mail
- Automated Attendant
- 112 Recorded Agent Positions
- Automatic Call Distribution

Data Capabilities:

- Dedicated and On-Demand
- SunGard Global Network Access
- Net ReDirect – On-Demand DS1, DS3, OC3
- Web ReDirect – Internet Recovery up to 155 Mbps

LAN Bridging – Up to ten 10Mbps, two 100Mbps, one 1000Mbps GigE

Shared Circuit Services

- AT&T Frame Relay DRO
- AT&T ATM DRO
- MCI Frame Relay PVC ReDirect
- ISDN

Individual Customer Control Centers include:

- Support for Enterprise, Distributed and LAN Systems
- Dedicated security access during testing and continuity operations

10th floor - 15,000 square feet

15,000 square feet of raised computer flooring / (5,000 LAN Recovery suites / 9,000 square feet Mid-Range Recovery Centers / 1,000 square feet support area).

8th floor - 100,000 square feet

50,000 square feet of raised computer flooring / (9 Mainframe Command Centers & adjacent tape area), (12 Mid-Range Command Centers & adjacent equipment and tape areas)

50,000 square feet of administrative and support area.

7th floor - 100,000 square feet
52,000 square feet of raised computer flooring / (15,000 Lights-Out /25,000 Ready Condition / 12,000 Mid-Range Recovery Centers)
48,000 administrative and support areas.

6th floor - 100,000 square feet
54,000 square feet of raised computer flooring / (29,000 square feet Telcom/Network Control area
11,000 square feet IBM Recovery Centers
12,000 square feet Mid-Range Recovery Centers / 2,000 square feet Print Complex)
46,000 square feet of administrative and support areas.

Mezzanine - 35,000 square feet
15,000 square feet of secured parking
20,000 square feet of secured storage area.

As the alternate recovery site proposed, SunGard's Carlstadt MegaCenter is located in a suburban setting and is centrally located to Route 3, the Garden State Parkway and the New Jersey Turnpike. The facility does not have a high risk or potential for natural disasters. Carlstadt is located the following distance from NY area major airports:

Newark-Liberty International	16.5 miles (30 minutes)
John F. Kennedy International	30 miles (50 minutes)
La Guardia Airport	18.5 miles (35 minutes)

Fire Suppression

SunGard employs Halon extinguishing systems, pre-action sprinkler systems, and smoke and water detectors.

- Monitored fire suppression system throughout the facility
- The fire alarm system sounds at the fire station and within the facility
- Raised floor areas protected by both Halon or FM-200 and pre-action dry sprinkler systems
- Audible and visual alarms located throughout the facility
- Hand held extinguishers mounted and clearly marked throughout the facility
- The fire alarm system is inspected by our vendor on a quarterly basis
- The entire facility is inspected by the Fire Marshall **semi-annually**

Physical Security Controls:

Access Control/Audit Logs

Prior to conducting a scheduled test or arriving for a recovery at the Recovery MegaCenter, customers are required to submit a list of those individuals who will be attending the test. Part of your permanent profile at SunGard will include a Project Leader and alternate who have authority to vouch for substitute personnel who may be attending due to unforeseen circumstances or changes at your organization.

You are to furnish your name. The Security Officer will be expecting your test group and will refer to the Guard Instruction Sheet. This sheet is prepared in advance of your arrival and contains the names of the persons who are expected to arrive, as described

previously. Each individual will be required to show picture identification for final access to the testing facility.

In addition, a written log is maintained for all visitors to the center. These logs are looked at daily by SunGard, and may also be reviewed by an authorized representative, at your request. The card key access also creates automatic audit trails of activity within the Center, which are likewise audited.

Card Key Access

SunGard maintains a Programmable Key Access System within the Recovery Center. The system consists of thirty-one remote card readers that control access to all classified areas, including:

- All Equipment Configuration Rooms
- All Ready Conditioned Space
- All Office and Terminal Rooms
- Telecommunication Access Facilities

All activity is recorded on a security console and printer. Personnel changes, variation of access levels, and time zones are all made without retrieving the card or alerting a cardholder. The use of invalid card keys with incorrect access levels or time zones results in an alarm condition that is both signaled audibly and printed out.

You may assign security levels associated with appropriate cardholder and thereby limit access to assigned areas in conformity with your internal security policies. This permits you to limit access to only those individuals who are authorized to be part of your test/recovery.

All emergency exits are monitored.

Central Monitoring Station

The entrance lobby and reception area is the central location where all monitoring occurs. Our security staff monitors the facility from that point, around the clock. Such monitoring includes:

- Closed circuit television monitors which survey hallways, building lobby elevators, parking and office areas.
- All external doors are monitored.
- Card activation multi-level cardkey security system centralizes print functions of all activity in that area.
- Fire protection, A/C, and chilled water are monitored from there as well.

The mainframes themselves are physically positioned to provide customers in a multiple disaster situation with maximum security.

HVAC/Mechanical Systems

11th floor mechanical system:

"N + 2 redundancy" (two additional units in all areas above the number of units required for 100% of the total operational capacity)

Three (3) 400-ton screw chillers.

Four (4) 300-ton Evapco dry coolers for free cooling below 40 degrees.

Direct Digital Controls for entire mechanical system.

Primary/Secondary chilled water-pumping system with Variable Frequency Drives.

Liebert computer room A/C units for raised floor and electrical/UPS/Telecom areas / Carrier air handlers for comfort cooling in administrative and support areas

10th floor mechanical system:

Nine (9) 15-ton Liebert direct expansion A/C units.

30% ethylene glycol mixture cooled dry cooler loop.

8th floor mechanical system:

Three (3) 200-ton Carrier air-cooled liquid chillers.

Three (3) 100-ton BAC dry coolers for free cooling below 40 degrees.

Direct Digital Controls for entire mechanical system.

Individual temperature controls in Command Centers.

Primary/Secondary pumping system with redundant pumps and Variable Frequency Drives.

Liebert computer room A/C units for raised floor area / Carrier air handlers for comfort cooling in administration and support areas.

All units are located in a service corridor separate from customer areas.

Chilled water loop contains 30% Ethylene glycol mixture for freeze protection.

7th floor mechanical system:

Four (4) - 200 ton Carrier air-cooled liquid chillers.

One (1) - 300 ton Carrier air-cooled liquid chillers.

Two (2) - 800 GPM Aurora horizontal split case chilled water-circulating pumps; one is stand-by. Pumps serve the north side loop.

Two (2) - 1400 GPM Aurora horizontal split case chilled water-circulating pumps; one is stand-by. Pumps serve the south side loop.

Pump controls will automatically start stand-by pump on loss of flow.

Chilled water contains 30% ethylene glycol for freeze protection to -10 degrees F.

Piping for chillers and pumps are designed to expand into a central chilled water plant with primary and secondary pumping.

The Lights-Out computer room is cooled by twelve (12) 25-ton Liebert air conditioning units.

The Ready Conditioned computer area is cooled by twelve (12) 25-ton Liebert air conditioning units; two (2) are stand-by.

All Liebert A/C units are self-supported free standing and do not bridge with the raised floor.

Liebert air conditioning units include electric reheat coils and infrared humidifiers.

The 6th floor north and 7th floor chilled water systems are cross-connected for added redundancy.

6th floor mechanical system:

North system

One (1) - 300 ton Carrier air-cooled liquid chiller.

Two (2) - 200 ton Carrier air-cooled liquid chillers.

One (1) - 100 ton Westinghouse air-cooled liquid chiller.

Three (3) - 20 ton Liebert direct expansion A/C units.

Two (2) - 15 ton Liebert direct expansion A/C units.

Two (2) 1000 GPM redundant chilled water pumps.

Liebert chilled water A/C units in raised floor areas / Carrier air-handlers for administrative and support areas.

South system

Two (2) - 100 ton Carrier air-cooled liquid chillers.

One (1) - 100 ton Bohn air-cooled liquid chiller.

Two (2) - 650 GPM redundant chilled water pumps.

Liebert chilled water A/C units in raised floor areas / Carrier air-handlers for administrative and support areas.

An individual custom design water trough/pan and independent water sensor support each A/C unit.

The Lights-Out and Ready Conditioned & Mid-Range Computer Rooms are served by an air-handling unit delivering 100 % conditioned outside air to maintain the rooms at a positive pressure in relation to adjacent spaces. The positive pressure eliminates infiltration

of dust, minimizes moisture migration, and eliminates stale air detrimental to computer environments.

The raised floor areas are bonded with a self-leveling floor sealant for additional protection along with floor drains with trap primers that are provided beneath the raised computer room floor.

Water Detection System:

Each of SunGard's air-conditioning units has a water detection system in a pan under each unit.

Backup Power Systems:

All MegaCenter facilities have Diesel Generators for backup (with fuel) installed. The Philadelphia MegaCenter facility has dual 13.2KV feeds from entirely separate power substations. In addition, automatic switching gear is installed for redundant failover. Battery Backup is also installed within the facility for additional temporary protection.

Power is supplied to the ready-conditioned spaces that can support the simultaneous operation of both the hot and cold computer sites. Power control units are connected and operational in the conditioned computer facilities and are monitored on a daily basis.

Each facility has backup motor generators that can be switched to either the SunGard computer room or to the ready-conditioned spaces in the event the primary motor generator fails. SunGard has installed fully automatic UPS's in all

Recovery Centers, in addition to our already secure, redundant power supplies. Plus, SunGard has made arrangements through several vendors to make available emergency generators, transformers and power distribution systems. This capability would be used in the event of a major power failure in SunGard's recovery facilities or to assist any customer who might have the need for emergency power.

SunGard supplies power to our systems through Power Distribution/Conditioning Centers and GE motor generators so that systems run at peak efficiency. Computer power is totally independent from the mechanical load.

SunGard's Philadelphia Recovery Center is directly supplied by dual 13.2 KV services. The electrical feeds supplying this service are completely underground and encased in concrete duct banks. There are multiple individual, independent points within the substation to which the 13.2 KV distribution feeds are attached, thus providing a true dual feed. In addition, an automatic transfer arrangement is installed between the dual 13.2 KV services which allows the total load to be automatically transferred from one line to the other should one 13.2 KV line fail or be shut down for any reason. The substation providing this service is one of the largest in the area and has separate and distinct yards.

Following is a list of the electrical equipment in use at SunGard's Philadelphia MegaCenter:

Two sets of dual 13.2KV feeds entering from two separate substations,
Multiple 2000 KVA Transformer for 480 volt, 3-phase computer power,
500 KVA of 480 volt, 3-phase mechanical power,
Liebert 3-phase computer conditioned power units total KA p.c.u.'s = 1000

Both power feeds are "hot" and terminate into an automatic switch. The switch is continuously monitoring the service. If a disruption occurred in the primary feed the switch would immediately transfer into the secondary supply.

Power Redundancy

Another layer of power protection over SunGard's secure, redundant power supplies, SunGard has installed comprehensive UPS systems in all of its MegaCenters.

Following is a list of the electrical equipment in use at SunGard's Philadelphia MegaCenter:

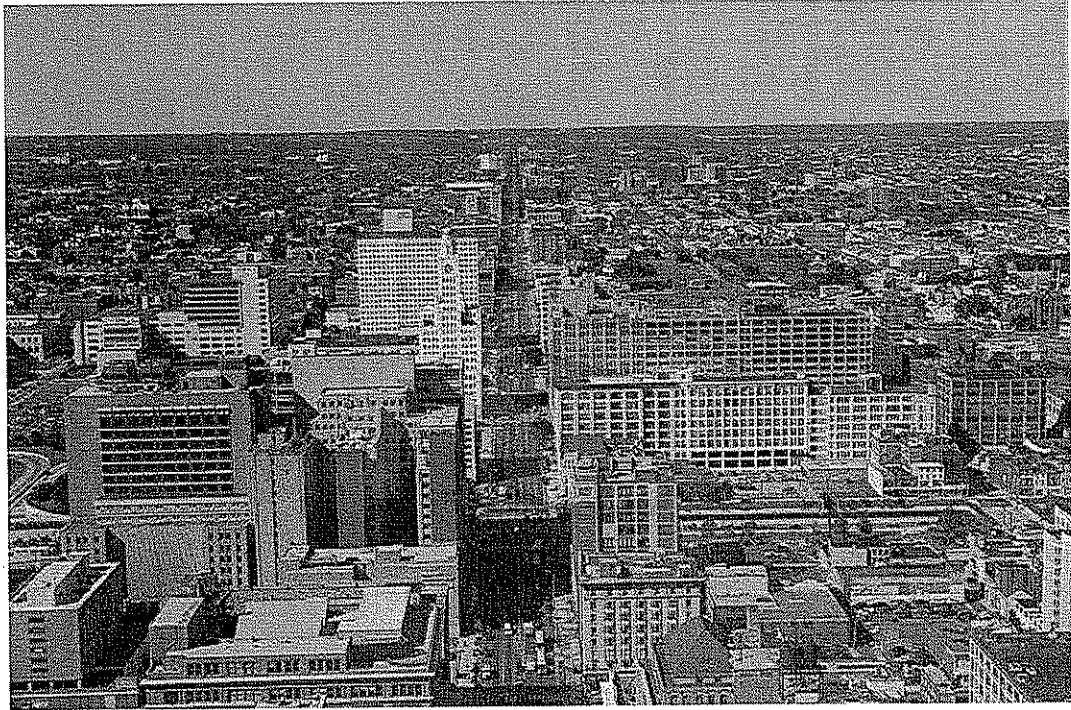
- Two sets of dual 13.2KV feeds entering from two separate substations,
- 1750 KVA Transformer for 480 volt, 3-phase computer power,
- 2000 KVA Transformer for 480 volt, 3-phase computer power,
- 500 KVA of 480 volt, 3-phase mechanical power,
- Three 75 KVA Motor Generators set 400 Hertz output switchable to computer rooms or ready conditioned spaces.
- Liebert 3-phase computer conditioned power units total KA p.c.u.'s = 1000

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WELCOME TO 401 N. BROAD ST.



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FACILITY ACCESS & SECURITY PROCEDURES

Upon entering the facility, each team member will be asked for government issued identification and to sign in at the front desk. If you are bringing a laptop into the facility, our Security personnel will ask you for the serial number. A security access badge will be issued for all team members. A log will be kept of personnel entering and exiting the facility. This log is for security tracking and is used as a checklist of personnel in the building in an emergency evacuation situation. When leaving the building for an extended amount of time, please sign out. This will help ensure the accuracy of this list and the safety of your team members in an emergency situation.

Access Security

Additional, each OPERATIONS Facility will have special security procedures pertaining to that specific site. However, in general, the following will apply to all Facilities. Any additional security required to meet your special needs should be addressed on your Site Access Form found in your eTest Plan or in the Managed Services Portal.

- All Managed Service Centers and computer rooms will be designated as "restricted" areas where access is limited to personnel on your authorization list. A copy of the authorization list must be provided to security personnel at the Facility. Security personnel will ensure that entry badges are available in the appropriate quantity and level of security. When distributing badges, security personnel may request two types of identification (Drivers license, company ID, etc).
- Upon your arrival to the Facility, you will be issued an access badge/key card. Upon leaving the building at the end of a day, you must surrender your access badge.
- NO data or supplies will be permitted out of the building without authorization on the part of the subscriber Recovery Team Manager. OPERATIONS, when it deems necessary, reserves the right to conduct searches of briefcases, tape carrying cases, purses, etc.
- Computer room access will be allowed only to those personnel authorized by the subscriber's manager.
- When deemed necessary by the subscriber, guards can be made available to restrict access to the computer room at an additional cost. OPERATIONS reserves the right to challenge subscriber personnel and request re-identification when, in the opinion of OPERATIONS, Facility security may be compromised.
- All subscribers will receive additional instructions on security procedures from the OPERATIONS Team, as necessary.
- Photographs are NOT permitted within the Facility.



HOUSEKEEPING POLICIES

It is the policy of SunGard Availability Services to maintain each facility in a clean, orderly and safe manner. In general, we require that:

- There is **NO SMOKING** in the facility. Please limit smoking to outside the front of the facility.
- There is NO food allowed in raised floor areas of the facility and computer rooms.
- The computer room and office areas are to be kept reasonably neat and orderly at all times.
- Corridors and space around equipment be kept free of obstacles.
- Wastebaskets contain no material, which might involve a security risk to your organization.
- You store only a limited amount of combustible paper in the computer room.
- You protect tapes and store them in an appropriate manner.
- Your people use the ashtrays provided in the smoking areas.
- Upon departure, the Facility is returned to the same condition as it was upon your arrival.
- First Aid kits are available in the Customer Break Area. Other emergency supplies can be obtained by asking any OPERATIONS employee.

CUSTOMER OWNED EQUIPMENT

Recovery Customers:

SunGard's Account Executives work closely with our customers and prospects to determine which resources are critical to their business and then include those resources in their contract with SunGard. As a customer's recovery requirements change, the contract must be updated to make sure the customer will be recoverable in a disaster. This is a critical process within our business model.

For this reason, customers are not allowed to bring their own equipment into SunGard's facilities for tests. This policy is necessary to prevent unrecoverable situations from developing and to avoid using SunGard infrastructure and support for non-SunGard equipment.

Managed Services Customers:

Contact the local facility manager for questions.



SUNGARD SOFTWARE PHILOSOPHY

Customers must utilize their own operating system and application software for recovery purposes. Your personnel will better understand their own software and the system and will be better prepared to recover, as opposed to using unfamiliar software.

For Enterprise Servers, this requires that customers develop an alternate operating system. This can be done in two ways: a separate IODEF can be created for disaster recovery or the customer can incorporate SunGard's addresses into their operating system to allow use of the SunGard hardware configuration. This disaster recovery system should be periodically tested at the SunGard Availability Facility and be available from an offsite tape storage facility at the time of disaster.

To further enhance your capability to recover at the time of disaster in a Recovery Facility, you should perform the following functions:

- Copy backup data sets of all operating systems and associated software to tape
- Test backup data sets at your site
- Arrange off site storage of the backup tapes
- Test all operating system software at the Recovery Facility
- Test all critical application software at the Recovery Facility
- Test communications capability



DIRECTIONS TO 401 N. BROAD ST.

If you have difficulty reaching the center, call the receptionist at (800) 426-3966.

The address of the 401 N. Broad St. Center is:
401 N. Broad St.
Philadelphia, PA 19108

Traveling from Philadelphia International Airport:

Follow I-95 North about 10 miles from the airport interchange. Move into the left lane when you see signs for I-676 West. Exit I-95 onto I-676 West.

Take I-676 West about 1 mile and take the Broad Street exit. Note: The Broad Street exit puts you on 15th Street heading south. move over immediately to the left lane.

From 15th Street, turn left (East) onto Vine Street. Stay in the left lane on Vine Street.

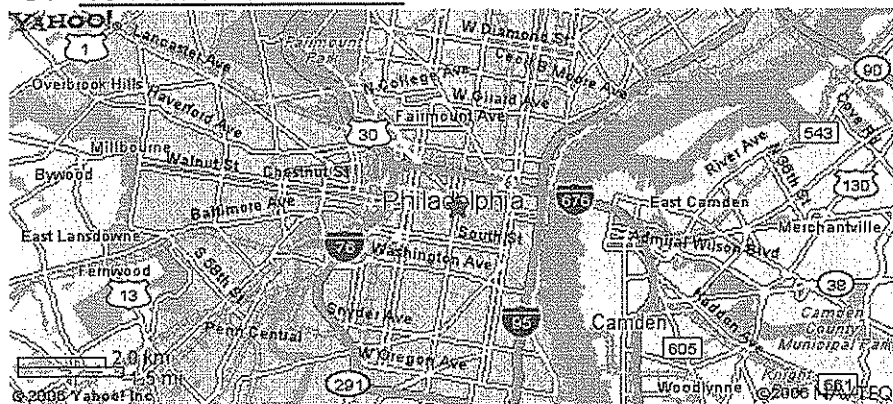
Turn left (North) onto Broad Street at the next traffic light and cross Callowhill Street at the second light on Broad Street. Move into the right hand lane.

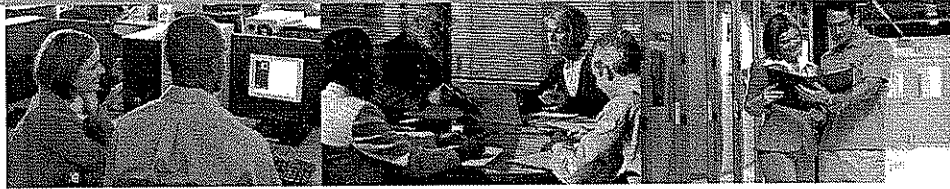
SunGard's 401 North Broad Street building will be on your right at Callowhill Street and Broad. Note: Do not use the first garage entrance of the main entrance, which goes underneath the building.

The second garage entrance is to SunGard's indoor parking area and is up the blacktop ramp on the left side of the building. There is a large yellow "SUN" painted on the door. Proceed up the driveway and identify yourself via the speaker to the SunGard security personnel.

SunGard will open the steel garage door. Drive up the ramp to the mezzanine level and park. Follow SunGard's signs to the sliding glass doors leading out of the garage. Enter into the Mezzanine and go to the Security desk for check-in.

MAP OF 401 N. BROAD ST. FACILITY





FACILITY SPECIFICATIONS

Facility Overview

- Building construction date: 1931.
- 1,160,000 square feet, total building size.
- Mezz = 118,000 square feet
- 6th floor = 97,000 square feet
- 7th floor = 97,000 square feet
- 8th floor = 97,000 square feet
- 9th floor = 40,724 square feet
- 10th floor = 32,500 square feet
- 11th floor = 97,000 square feet
- (How Many) square feet of expansion capability.
- Integrated life safety and facility engineering systems with centralized monitoring, enhanced operational supervision and accelerated response to monitor alarms.
- Image expresses technology, security and integrity by making mechanical and electrical systems self evident expressions rather than just symbolizing technology.
- All areas can be accessed by ramps at a gentle 1" to 1'-0" slope (1:12) for complete handicapped accessibility and ease of movement of materials and equipment.
- The facility is supported by UPS and diesel generation.

Data Center

- 230,000 square feet of raised floor (6th floor = 54,000; 7th floor = 52,000; 8th floor = 50,000; 10th floor = 15,000; 11th floor = 59,000)
- 8th Floor Command Centers on carpet = 8,000 square feet
- Platforms supported: Mainframe, DEC, Tandem, AS400, RS6000, HP, SUN, PC/LAN, Workgroup, Sequent, Stratus, Filenet, Megavoice, NCR, Sequoia, Network, Data General, SGI.
- High Availability Solutions capability installed.
- MetroStor capability installed.
- Minimum wall fire rating in 1-1/2" hour.
- Protected by Fike Cheetah control system, FM-200 under-floor suppression, an Intella-Scan graphics annunciator, and a pre-action sprinkler system.
- 11th Floor = (3) 400 ton Carrier process chillers = 1200 Tons
- 11th Floor = (2) 400 ton Trane process chillers = 800 Tons
- Total 11th floor capacity 2000 Tons
- 11th floor has 1000 tons of Evapco dry coolers for free cooling in the winter months
- 8th Floor = (3) 200 ton Carrier process chillers = 600 Tons
- 8th Floor = (3) 500 ton Trane process chillers = 1500 Tons
- Total 6th,7th,8th & 9th floor Capacity 2100 Tons
- 8th floor has 600 tons of Evapco dry coolers for free cooling in winter months



MetroCenter

- 300 furnished Work Stations.
- 6th floor = 5,655 square feet
- 7th floor = 5,200 square feet
- 9th floor = 9,322 square feet (not including workstation areas)



Power Infrastructure

- (6) 13,200V Caterpillers Generators total
(4) 2000KW and (2) 1800KW
- (6) 4000 gallon AST = 32 hours at current load
- GE switches.
- | | |
|--|------------------|
| 11th Floor = (12) Powerware 9315-500 | = 6000KVA |
| 10th Floor = (3) Powerware Plus 225 | = 675KVA |
| 10th Floor = (1) Liebert UDA63300A36A279 | = 300KVA |
| 10th Floor = (1) Liebert UDA63229A36A917 | = 225KVA |
| 9th Floor = (1) Powerware 9315-160 | = 130KVA |
| 8th Floor = (1) Liebert UDA63990A27A652 | = 1000KVA |
| 8th Floor = (1) Liebert UDA63125A25RT03 | = 125KVA |
| 8th Floor = (1) Liebert UDA36990A27A652 | = 100KVA |
| 7th Floor = (1) Liebert UDA63991A27024 | = 1000KVA |
| 7th Floor = (2) Piller 1000KVA Rotary UPS | = 2000KVA |
| 7th Floor = (1) Liebert 1000KVA (04/02/07) | <u>= 1000KVA</u> |
| Total | 12,555KVA |
- Sungard Philadelphia utilizes 13,200Volt breakers to transfer from utility to generator
- DataTrax Foreseer Server, Version: 4, 1, 174, 0 - Monitors low voltage power (480V)
Automated Logic WebCTRL Version 3.0 - Monitors and controls HVAC

GE Zenith SCADA - Monitors and controls utility and generator power (13,200V)

Security

- Integrated card reader security access system.
- Closed circuit TV throughout the facility.
- Exterior security cameras.
- 7x24 Security Service.



401 N. BROAD ST. CONTACT INFORMATION

401 N. Broad St. Operations Personnel

To contact 401 N. Broad St. Operations personnel while in the facility, please dial 0. A contact sheet for this facility is available upon request.

Emergency Contact Information

Fire and Rescue	9 911 (Emergency) or (215) 686-3060 (Non Emergency)
Ambulance	9 911 (Emergency) or (215) 686-3060 (Non Emergency)
Poison Control Center	9 911 (Emergency) or (215) 386-2100 (Non Emergency)
Local Police	9 911 (Emergency) or (215) 686-3060 (Non-Emergency)



DIRECTORY OF U.S. RECOVERY FACILITIES

ARIZONA		NEW JERSEY	
PHOENIX	602-322-1699	CARLSTADT	201-729-2300
SCOTTSDALE	480-367-4100	VOORHEES	856-566-3600
CALIFORNIA		NEW YORK	
CYPRESS	714-995-8300	LONG ISLAND CITY	718-391-7000
SAN DIEGO	858-812-5300	NORTH CAROLINA	
SAN RAMON	925-743-8200	CHARLOTTE	704-969-2300
COLORADO		HUNTERSVILLE	704-948-3861
DENVER - NORTH	720-932-5800	RALEIGH	
DENVER - SOUTH	303-942-2990	DURHAM	
ENGLEWOOD	303-799-5156	OHIO	
FLORIDA		COPLEY	330-668-2802
LAKE MARY	407-771-0401	OREGON	
GEORGIA		PORTLAND	330-668-2802
ALPHARETTA	770-740-2460	PENNSYLVANIA	
ATLANTA	404-898-9118	PITTSBURGH	412-594-2030
SMYRNA	770-434-9988	PHILADELPHIA - 401	215-351-1300
ILLINOIS		PHILADELPHIA - MSC	267-321-2200
NORTHBROOK	847-562-3100	WARMINSTER	215-396-4500
WOOD DALE	630-860-7860	TENNESSEE	
INDIANA		NASHVILLE	
INDIANAPOLIS	317-592-4980	TEXAS	
KANSAS		AUSTIN	512-531-5400
OVERLAND PARK	913-323-6880	GRAND PRAIRIE	972-641-3255
MASSACHUSETTS		LAS COLINAS	972-232-3000
TEWKSBURY	978-858-0040/0003	WASHINGTON	
WESTBOROUGH	508-616-1800	RENTON	425-227-4814
MINNESOTA		VIRGINIA	
MINNEAPOLIS	612-656-3800	HERNDON	703-326-4900
ST. PAUL	651-643-3900	CANADA	
MICHIGAN		MISSISSAUGA	905-821-2800
DETROIT	248-473-2410/8024	QUEBEC CITY	418-623-3511
MISSOURI		CALGARY	403-531-0640
ST. LOUIS	314-523-3600	MEXICO	
ST. LOUIS - MSC	314-754-0400	MEXICO CITY	011-52-722-270-8821



RECOVERY ESCALATION POLICY

Below is a summarization of the SunGard Escalation Timetable:

Time Elapsed	SunGard Contact & Problem Owner
0 Minutes	SunGard Technician
30 Minutes	Duty Manager
1 Hour	Technical Manager
	Customer Service Coordinator or Designate
2 Hours	Customer Service Manager and Director of Customer Service
4 Hours	Vice President of Operations

DISASTER & ALERT NOTIFICATION PROCEDURES FOR RECOVERY CUSTOMERS

Alert Notification

Customers are encouraged to put SunGard on alert when a situation poses an unacceptable degree of risk that could result in a disaster declaration.

Should you need to notify SunGard of an alert, contact SunGard's 24-hour hotline at 1-866-722-1313.

The SunGard front desk receiving the alert will request information regarding your situation and will fill out the Alert/Disaster Notification Log.

Once an Alert is received, the Crisis Management Team is notified. The Crisis Management Team and/or your Account Executive or Customer Service Coordinator will check in with you periodically, at prearranged intervals, on the status of the situation. Updates will be maintained in a status log until the event is resolved by termination of the alert or by a resulting disaster notification.

Disaster Declaration

All subscribers are required to call the hotline number first when placing SunGard on Alert or Disaster. The SunGard Alert/Disaster hotline is to be used for all Alert/Disaster Notifications (please see Disaster Alerts subsection in this manual).

When calling to notify SunGard of an Alert/Disaster, you will be asked to provide some information to allow SunGard to begin the Alert/Disaster declaration activation process. SunGard's hotline is manned 24x7 and uses an automated paging/e-mail system to notify the Crisis Management Team. Please have your information ready when you call the hotline. The Alert/Disaster Notification page/e-mail automatically time stamps the notification.



In the event of a disaster, notify SunGard using the following steps as soon as possible:

Call the 24-hour Alert and Disaster Notification Hotline at 1-866-722-1313 or 215-351-1313.

1. Someone from Crisis Management Team will contact the Subscriber to confirm the Alert/Disaster that was called in to secure authorization.
2. Upon confirmation, the Crisis Management team member will request your password from your DDA (Disaster Declaration Authorization) form, if applicable. That will act as the final authorization to invoke the disaster. All individuals in your organization authorized to declare a disaster should know their password.
3. Upon authorization of your disaster, the Crisis Management Team will invoke Operations of the center affected. SunGard will begin preparation for your arrival. If there is any testing by other subscribers on the declared systems, their test will be suspended.
4. The Crisis Management Team, Operations and Customer Service will review your last test plans with you to identify the accuracy, resources, supplies and services that will be needed for your recovery. Your Recovery Configuration will also be reviewed to identify any additional provisions you may require. The Recovery Configuration is created at time of disaster.
5. Upon your arrival at the SunGard Mega/Metro Center, we will acquaint your personnel with the subscriber areas and appropriate procedures for utilization.
6. In the event that your management desires to set up a command or control center, SunGard will assist in obtaining space as requested. This space may be in the SunGard Mega/MetroCenter or it may be in an office building or hotel in the immediate area.
7. Once a subscriber declares, a written letter is required within twenty-four (24) hours, stating they have declared, on what platform, date/time and reason; on letterhead, a FAX is acceptable.
8. A written letter to SunGard is required from a subscriber upon notification of disaster completion.



RESTAURANTS & CATERING

Casual Dining

The Capital Grille	1338 Chestnut St Philadelphia PA 19107	(215) 545-9588
Maggiano's Little Italy	1201 Filbert Street * Philadelphia, PA 19107	(215) 567-2020
McCormick & Schmick's Seafood Restaurant	One South Broad Street Philadelphia, Pennsylvania 19107	(215) 568-6888
Dave & Busters	Pier 19 North, 325 Delaware Ave Philadelphia PA	(215) 413-1951

Catering

DiAntonio's (primary)	2071 Bennett Rd. Philadelphia, PA 19116	(215) 969-1386
Jack Kramer's (secondary)	4217 Chestnut St. Philadelphia, PA 19104	(215) 662-5300

LOCAL ACCOMMODATIONS

Marriott Courtyard, The	21 N. Juniper Street Philadelphia, PA	(215) 496-3200
Philadelphia Marriott	1201 Market Street Philadelphia, PA	(215) 625-2900
Doubletree Hotel	237 South Broad St. Philadelphia, PA	(215) 893-1600

COPYING & DUPLICATING SERVICES

FedEx Kinko's	1816 Spring Garden Street	(215) 567-2679
The UPS Store	1735 Market Street	(215) 567-6006

OFFICE SUPPLIES

Staples	(877) 826-7755
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COURIER and SHIPPING SERVICES

FedEx
(800) 463-3339

DHL
(800) 225-5345

UPS
(800) 880-2297

Transgroup
(484) 494-4640

TRANSPORTATION SERVICES

Airlines

American	800-443-7300	www.aa.com
America West	800-247-5691	www.americawest.com
Alaska	800-426-0333	www.alaskaair.com
Continental	800-435-0040	www.continental.com
Delta	800-221-1212	www.delta-air.com
Southwest	800-435-9792	www.iflyswa.com
United	800-241-6522	www.unitedairlines.com
US Air	800-428-4322	www.usair.com

Car & Truck Rentals

Enterprise Rent-A-Car	800-261-7331	www.enterprise.com
Hertz Rent-A-Car	800-654-3131	www.hertz.com
National Rent-A-Car	888-826-6890	www.nationalcar.com
Ryder	800-297-9337	www.ryder.com
U-Haul Truck Rental	800-468-4285	www.uhaul.com

Additional Transportation

Quaker Cab:	Philadelphia	(215) 728-8000
City Cab:	Philadelphia	(215) 492-6500
Yellow Cab:	Philadelphia	(333) 333-3333



Limousine Service:	Philadelphia Town Car and Limo – luxury service	(215) 651-7757
Shuttle Service: (vans to airport)	Dave's Best Limousine	(215) 288-1000
Bus Rentals:	USA Bus Charter	(800) 979-4498



Baltimore great deals

Hotel packages start at \$109 per night. Plus, save up to 25% on Baltimore's top attractions with Harbor Pass, Harbor Pass+, and Heritage Pass.

[Click Here for Details](#)

A: 1900 Kanawha Blvd E, Charleston, WV 25305-0009

- 1: Start out going WEST on KANAWHA BLVD E/US-60 toward GREENBRIER ST/WV-114.

0.2 mi
- 2: Turn RIGHT onto GREENBRIER ST/US-60/WV-114. Continue to follow GREENBRIER ST/WV-114.

0.5 mi
- 3: Merge onto I-77 N via the ramp on the LEFT toward PARKERSBURG/HUNTINGTON/I-79 (Portions toll).

3.5 mi
- 4: Keep RIGHT to take I-79 N toward CLARKSBURG.

148.1 mi
- 5: Merge onto I-68 E via EXIT 148 toward CUMBERLAND (Crossing into MARYLAND).

78.2 mi
- 6: Take the US-220 N exit, EXIT 46, toward BEDFORD.

0.1 mi
- 7: Take the BALTIMORE PIKE/MD-144 E ramp toward DE HAVEN RD.

0.0 mi
- 8: Turn LEFT onto ALI GHAN RD NE/MD-144/US-220.

0.3 mi
- 9: Turn LEFT onto US-220 N (Crossing into PENNSYLVANIA).

29.7 mi



10: Merge onto US-220 BR via EXIT 1 toward I-70/PENNSYLVANIA TURNPIKE/I-76/BEDFORD.

0.7 mi



11: Merge onto I-76 E/PENNSYLVANIA TURNPIKE toward HARRISBURG/EXITS 12-39 (Portions toll).

181.5 mi



12: Merge onto I-76 E via EXIT 326 toward I-476/PHILADELPHIA/US-202/VALLEY FORGE (Portions toll).

18.0 mi



13: Keep LEFT to take VINE ST EXPY/I-676 E/US-30 E via EXIT 344 toward CENTRAL PHILADELPHIA.

0.8 mi



14: Take the exit toward BROAD STREET/CENTRAL PHILA.

0.2 mi



15: Take the ramp toward PA-611/BROAD STREET/PA CONVENTION CTR.

0.1 mi



16: Stay STRAIGHT to go onto VINE ST.

0.1 mi



17: Turn LEFT onto PA-611/N BROAD ST.

0.1 mi



18: End at 401 N Broad St Philadelphia, PA 19108-1001

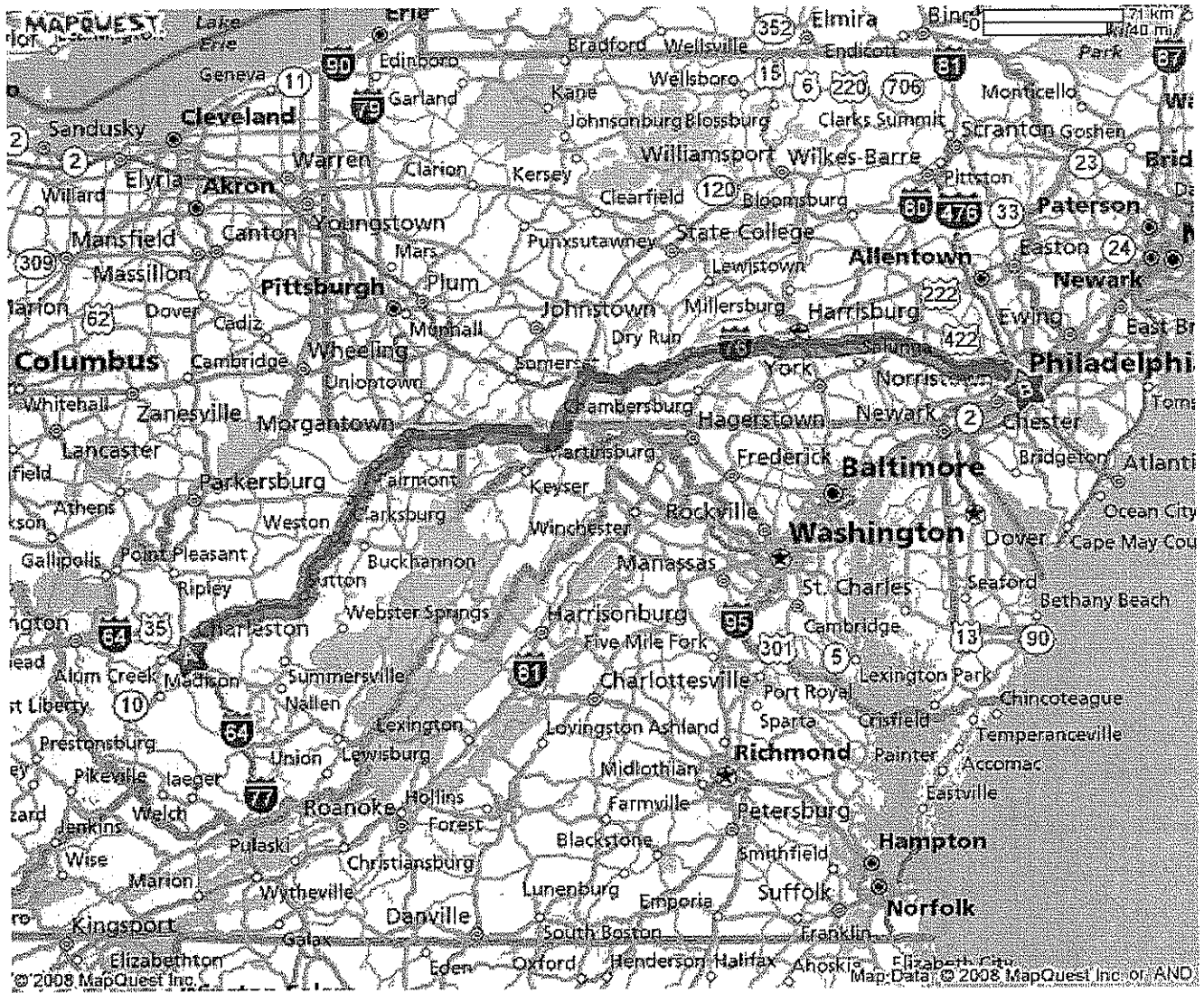
Estimated Time: 7.0 hours 24 minutes

Estimated Distance: 462.02 miles

B: 401 N Broad St, Philadelphia, PA 19108-1001

Total Time: 7.0 hours 24 minutes

Total Distance: 462.02 miles



Directions and maps are informational only. We make no warranties on the accuracy of their content, road conditions or route usability or expeditiousness. You assume all risk of use. MapQuest and its suppliers shall not be liable to you for any loss or delay resulting from your use of MapQuest. Your use of MapQuest means you agree to our [Terms of Use](#)