

MEETING DATE 8/8/05

AGENDA ITEM Approval to Purchase Replacement Uninterruptible Power Supply for City Hall Data Center from Power Design of Irvine, CA

ATTACHMENTS

	<u>Pages</u>
1 Power Design Bid Response to Bid 1306 & product information	1-14

NOTICE INVITING BIDS

Bid Number 1306

Notice is hereby given that sealed bids will be received by the City of Culver City, California, for furnishing the following

**PROVIDE LABOR AND MATERIALS TO INSTALL COMPUTER ROOM
UNINTERRUPTABLE POWER SUPPLY**

in strict accordance with the Specifications on file in the office of the CITY PURCHASING OFFICER, 4343 Duquesne Avenue, Culver City, California, 90232. Copies of specifications and bid documents may be obtained from the PURCHASING OFFICE at that address, telephone number (310) 253-6550.

Original and two copies of the bid must be filed with the CITY CLERK in CITY HALL, 9770 Culver Boulevard, Culver City, California, 90232, not later than 3 00 p m on **June 28, 2005**, at which time they will be publicly opened in the Council Chambers on the first floor of City Hall. Facsimile bids will not be accepted. Any bidder may withdraw his bid, without obligation, at any time prior to the scheduled closing time for receipt of bids. A withdrawal will not be effective unless made personally or by telephonic notification received prior to the close of bids. Bids may later be referred to the City Council for appropriate action. The City reserves the right to reject any or all bids as the best interests of the City may dictate.

By *Cheryl Luvon*
for: Ela Valladares, Deputy City Clerk

Published in The Culver City News on **May 26, 2005**

(1)

General Instructions

SECTION I

Each bid shall include the following components

SECTION I GENERAL INSTRUCTIONS / BID FORM

SECTION II TECHNICAL SPECIFICATIONS

SECTION III NON-COLLUSION AFFIDAVIT

The attached City forms shall be submitted as part of the bid. Each vendor may submit additional data in support of its bid. However, failure to include any one or more of the foregoing components will render the bid incomplete and the City reserves the right to reject such bids.

BID SUBMITTAL

A complete submittal will consist of the original and two copies of the bid documents. All submittals must be clearly marked with the bid number, received, and time-stamped by the City Clerk at the address provided below no later than 3 00 p m on June 28, 2005 to

**City Clerk
City of Culver City
9770 Culver Blvd
Culver City, California, 90232**

Bids may be hand-delivered to the City Clerk prior to the scheduled proposal opening time. **Late bids will not be accepted.**

For Further Information Contact

David Leuck, 310/253-5961 david.leuck@culvercity.org

Margarita Lee, Purchasing Officer at 310/253-6552 margarita.lee@culvercity.org

COMPLIANCE WITH LAW

Contractor and its agents and employees shall be bound by and comply with all federal, state and local laws, ordinance, rules and regulations, and any and all other governing bodies having legal jurisdiction with respect to the area where such work is performed.

BUSINESS LICENSE & PERMITS

The selected vendor shall be required to obtain all applicable Culver City permits and business licenses. Business License can be reached at (310) 253-5888. The cost of these items shall be included in the total bid price.

INJURY AND ILLNESS PREVENTION PROGRAM

Successful bidder will be required to submit, within three days of notification their Injury and Illness Prevention Program (IIPP) as required by Labor Code 401 7 and Title 8 3203 of the California Code of Regulations

INSURANCE PROVISIONS

Comprehensive General Liability Insurance (including product liability coverage when applicable) One million dollars (\$1 000,000) per occurrence

Auto Liability Insurance in the amount of One million dollars (\$1 000 000) per occurrence combined single limit

Workers Compensation Insurance As required by State of California statutes

The City of Culver City is to be named as an Additional Insured on the above-captioned insurance coverages as respect to the City's interests under this agreement This is to be complied with by presenting an appropriate insurance certificate to the City prior to execution of this agreement, and by presenting to the City an endorsement of the policy signed by an officer of the insurance agency within thirty (30) days of the date of the bid award and prior to execution of this agreement All policies of insurance shall provide for a minimum of thirty (30) days written notice of any change or cancellation of the policy Insurance policies to be in a form and written through companies acceptable to the City, and shall include endorsements which are necessary to extend coverage which is appropriate to the nature of the agreement

If your insurance carrier charges an additional fee, you must include that amount in your project costs

DISQUALIFICATION AND REJECTION OF BIDS

The City of Culver City reserves the right to reject the bid of any bidder(s) who have previously failed to perform properly or satisfactorily or complete on tie or in manner consistent with the bid documents contracts of similar nature, or to reject the bid of a bidder who is not in a position to perform such contract satisfactorily The City expressly reserves the right to award the contract to the bidder that best meets the requirements as set forth in the specifications

NONDISCRIMINATION AND AFFIRMATIVE ACTION

California Government Code Section 12940 provides that it shall be unlawful employment practice, unless based upon a bona fide occupational qualification, or except where based upon applicable security regulations established by the United States of the State of California, for an employer because of the race, religious creed color national origin, ancestry, physical impairment, medical condition marital status or sex of any person to refuse to hire or employ the person or to refuse to select the person for a training program leading to employment, or to discriminate against such person in compensation or in terms conditions, or privileges of employment

Even if not legally bound by said Government Code Section 12940, Contractor agrees to comply therewith

Violation of this provision shall be deemed materials default by Contractor giving the City of Culver City a right to terminate the Purchase Order

Minority & Women-owned Business Enterprise(s) shall be given the opportunity to bid and to receive awards on the same basis as any other Contractor

PRE-AWARD INSPECTION AND REVIEW

The City of Culver City prior to recommendation of award of bid may inspect each qualified bidders operation and physical plant. The City may inspect offices equipment, vehicles and personnel to verify and ensure that the Contractor has sufficient expertise manpower and capital to perform the required specifications to the degree and manner to which it has been requested

CONTRACT TERM AND EXTENSION OF TERM

The term of the contract shall be for a period of three (3) years from the date of execution of the contract agreement by the City of Culver City, with option to extend an additional three (3) years

BID FORM

The undersigned, declares that the published notice inviting bids and this proposal have been read and understood and proposes and agrees to furnish and deliver to the City of Culver City the items listed below in accordance with the specifications herein and that the following prices will be accepted as payment in full therefor, as follows

PROVIDE LABOR AND MATERIALS TO INSTALL COMPUTER ROOM UNINTERRUPTABLE POWER SUPPLY PER ATTACHED SPECIFICATIONS

Note to Bidders

- 1) There will be a recommended **Job Walk** on **June 14, 2005, 1 30 – 3 00 p m** held at Culver City Hall Information Technology Department Computer Room located on the first floor at 9770 Culver Blvd , Culver City, California, 90232 Contact David Leuck at 310/ 253-5961
- 2) A City of Culver City Business License is required if awarded the bid Please call 310/253-5870 for further information
- 3) Awardee will be required to provide and maintain proof of insurance in the amount of \$1,000,000 as follows
 - A) Comprehensive General Liability
 - B) Comprehensive Auto Liability
 - C) Workers' Compensation Liability

Insurance must list the City of Culver City as additional insured

Pricing

Prices quoted include all labor, materials, tax and applicable insurance Bid price must remain in effect for 90 days from bid opening date All items quoted F O B Culver City California unless otherwise specified Equipment supplied shall be new and of current year's production, unless otherwise specifically indicated All equipment shall be in compliance with all governmental regulations and safety codes

TOTAL COST OF JOB (including all labor, materials and applicable sales tax)

\$ 52,221.00 (Turn Key Install)

Option 1) Show the cost per server (if any) of the software to perform soft shutdown as the batteries run down in a power failure Include any literature about the software as an attachment

\$ included

Option 2) Show the cost to increase the unit from 30 to 40 KVA capacity along with the part number(s)

\$ 5 YPM10KF \$ 3,247.00

Option 3) Show the cost of maintenance for

Year One \$ Included

Year Two \$ 2,604.00

Year Three \$ 2,604.00

Year Four \$ 2,975.00

Please include all literature on the monitoring software for the UPS

WARRANTY 1 Year on-site 4 hour Response - Year 2 & 3
Repair or Replace Parts Warranty
COMPLETE CONSTRUCTION/INSTALLATION WITHIN 37 DAYS

PAYMENT TERMS Net 30

*Bidder to enter payment discount terms otherwise net 30 days will apply Any discount less than 20 days may not be considered in bid awarding

Federal Excise Tax

The City is exempt from Federal Excise Tax

By signature hereto I acknowledge that the items to be furnished will comply fully with the attached specifications except where specifically noted

I understand that the City shall evaluate proposals in accordance with its Municipal Code and that the City reserves the right to reject any and all proposals and to waive minor irregularities

Dated This 24th day of June Year 2005

Signature [Signature]

Typewritten/printed Name Curt Vikari

Title Owner

Name of the Firm Power Design

Business Address 18003 Sky Park Circle Ste G

City State Zip Code Irvine, CA 92614

Telephone Number 949-474-2276 Fax Number 949-474-5330

E Mail Address Curt ^{X211} Power-Design.com

Location

Culver City City Hall First Floor Information Technology Computer Room
9770 Culver Blvd Culver City CA 90232

Overview

The City has outgrown its existing 16 KVA Symetra UPS unit. That unit will be replaced with a 3 Phase unit that will be able to supply 30 KVA with the ability to expand to 40 KVA or more without replacement. The unit will have to be installed and the supporting services attached or added to the walls or under the floor as appropriate. The task includes all aspects including relocating or cutting floor tiles, mounting breaker/bypass units, switching out single phase breakers for 3 phase breakers if needed, running under floor cabling, attaching to existing under floor services, and moving the existing Symetra out of the computer room. To the extent it is cost effective the existing peripheral equipment and cabling will be reused and added on to.

Technical Characteristics

30KVA/30KW Three Phase, (redundant at 20KW or below)
480 VAC input with 208/120 VAC output
Hard Wire Input/Hard Wire Output with 84 Pole Distribution Panel
On Line Design with no break output (Not Standby or Tri-port)
Computerized self-diagnostic monitoring and control package
20KW with the included extra Power Module offers N+1 Redundancy
External Make Before Break Maintenance Bypass Switch
SNMP Adapter (adds UPS to Network w/ IP Address)
15 minute battery backup at 20KW (four battery modules for maximum configuration)
Start-up & Assembly

Materials

Install one 40 KW UPS and power distribution unit including all conduit, fittings, wire and hardware. This includes:

- 100A Breaker in existing panel feeding "UPS ESB 16"
- 100A Fused at 80A disconnect to feed new PDU
- EMT/Flex and wiring from 100A disconnect to adjacent PDU
- 90A double pole breaker supporting existing single phase load panel
- EMT/Flex and wiring from 90A breaker to single phase load panel
- (Qty 6) 25' computer room whips, 20A NEMA 5-20 Quad
- Wiring per manufacturer specifications

Services

- Electrically install new 100A breaker in existing panel feeding "UPS ESB 16"
- Run EMT/Flex and wire along wall or under flooring in computer room
- Electrically connect new feed to new UPS system per manufacturer specifications
- Install new Computer Room whips under floor and connect to UPS
- Connect existing under floor whips to new UPS
- Remove existing UPS from room at beginning of installation
- Cut or move floor tiles as needed
- Test new electrical connection

Numbering

Under floor whips and breaker panels are to be numbered for identification purposes

Warranty included in Price

Minimum One year on-site Warranty, 4 hour response

Characteristics

Ability to place UPS in bypass for service if unit fails so that wall power is used

Redundancy

The unit should have redundancy and guard against failure For usage less than 20KVA the unit should function with N+1 redundancy If the unit is upgraded to 40 KVA anything less than 30 KVA usage should retain N+1 redundancy

The failure of any single or group of batteries should only reduce overall battery time

Network Connection

The unit should be able to accept an IP address and be placed on a Microsoft Windows network for monitoring purposes Software to monitor the UPS should be provided

Software that could be loaded on individual servers to shut them down (soft shutdown) in the event of power failure and battery drain should be detailed along with per server cost if any, as a separate optional line item

Work Hours

Work will have to be scheduled during night & weekend hours Labor rates should reflect this scheduling constraint.

Site Walk-Through and Question & Answer

June 14, 2005 1 30 – 3 00 p m

Written Questions Should be Submitted to

City of Culver City
Information Technology
Attn David Leuck
Technical Services Manager
9770 Culver Blvd
Culver City CA 90232

APC Package Number

For those bidding an APC solution a package number exists ISX113484-008

SECTION III

Non-Collusion Affidavit To Be Executed By Each Awardee of a Bid

STATE OF CALIFORNIA)

COUNTY OF ORANGE)

JJ (Jingjing) T Gilbertson being first duly
sworn deposes and says that he is

Secretary / Bookkeeper - Off Mgr
(sole owner partner president secretary etc)

of POWER DESIGN

the party making the foregoing proposal that such proposal is not made in the interest of or on behalf of any undisclosed person partnership company association organization or corporation that such proposer has not directly or indirectly colluded conspired connived or agreed with any proposer or anyone else to put in a sham proposal or that anyone shall refrain from proposing that said proposer has not in any manner directly or indirectly sought by agreement, communication or conference with anyone to fix the proposal price of said proposer or of any other proposer or to secure an advantage against the public body awarding the contract or anyone interested in the proposed contract that all statements contained in such proposal are true and further that said proposer has not directly or indirectly submitted his proposal price or any breakdown thereof or the contents thereof or divulged information or data relative hereto or paid and will not pay any fee in connection there with to any corporation partnership company association organization proposal depository or to any member or agent thereof or to any other individual except to such person or persons as have a partnership or other financial interest with said proposer in his general business

Signed JT Gilbertson

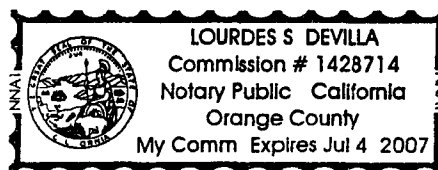
Subscribed and sworn before me

This 23rd

Day of JUNE, 2005

(Notary Seal)

Loures S Devilla
Notary Public



August 8, 2005

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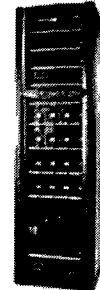
Symmetra® PX

(10 80kW N+1)

Scalable redundant power protection for centralized IT equipment in medium to large data centers

Product Information

- > Model Information
- > Features & Benefits
- > Runtime Loads



When expensive service plans are not part of Your strategy

Symmetra PX - Scalable, redundant power protection for centralized IT equipment in medium to large data centers

Symmetra PX three-phase input / three phase output (3 3) is a single unit composed of modular components. This modular architecture provides the foundation of building and scaling near continuous availability power systems with a flexible range of power capacity. The Symmetra PX packages the high availability requirements of easy power and runtime scalability into a very small footprint. Combined with the complete line of APC data center protection software and accessories it provides the four most critical elements of total data center protection.

Advances in Large Corporation computing storage technologies an increasing power demand requires a change in Large Corporation power protection technology. Symmetra PX three phase input/ three phase output (3 3) is a single unit composed of modular components. This modular architecture provides the foundation of building and scaling near continuous availability power systems with a flexible range of power capacity. The Symmetra PX packages the high availability requirements of easy power and runtime scalability into a very small footprint. Combined with the complete line of APC datacenter protection software and accessories it provides the four most critical elements of total datacenter protection.

Product Overview

Description APC Symmetra PX, 30000VA/30000W, Input 208 (3PH)V/ Output 120 (3PH), 208 (3PH)V, Interface Port Contact Closure, RJ 45 10 Base T ethernet for web/ SNMP/ Telnet management, SmartSlot, Extended runtime model

Features Audible Alarms, Automatic Self Test, Battery modules connected in parallel, Built in SmartSlot, Built in static bypass switch, Cold start, Compact Design, Continuous Voltage and Frequency Regulation, Designed and manufactured under ISO9001 / ISO14001 certification, Double Conversion On-Line, Downloadable Firmware, Early warning Problem Notification, Easy Maintenance, EPO, Event logging, Front access servicing, Full rated Power with kVA equaling kW, Full rated Power with kVA equaling kW, Galvanic isolation, Generator Compatible, Hot Swap Batteries, Hot Swap Electronics, Hot Swapable Components, Input Power Factor Correction, Intelligent Battery Management, Intelligent Battery Management, LCD AlphaNumeric Display, Load Meter, Menu driven Operating Instructions, Modular design, Modular Fault tolerant Design, Modular level Repair, Monitoring via Network and Web, Multiple System Shutdown, N+1 Redundancy, Out of Band Management,

August 8 2005

Approval to Purchase Replacement Uninterruptible Power Supply for City Hall
Data Center from Power Design of Irvine CA

Overload Handling Capacity, Overload Indicator, Pager notification,
Programmable power event response, Rated for Power Factor Corrected
Loads, Reduced field maintenance cost, Revolutionary Modular Design for
built In Fault Tolerance, Scalable Power Capacity, Scalable Run Time, Sine
wave output, Smallest footprint, Temperature Compensated Battery Charging,
User Replaceable batteries, Web Management, Wide input voltage range

Includes

Web/SNMP Management Card

Communications & Management

Interface port

Contact Closure , RJ 45 10 Base T ethernet for
web/ SNMP/ Telnet management , SmartSlot

Available Smart Slot Interface Quantity 2

Pre Installed SmartSlot Cards

AP9617

Control panel

Multi function LCD status and control console

Audible alarm

Alarm when on battery distinctive low battery
alarm configurable delays

Emergency Power Off (EPO)

Yes

Output

Output power capacity

30,000 VA

Output power capacity

30,000 Watts

Max Configurable Power

40,000 VA

Max Configurable Power

40,000 Watts

Nominal output voltage

120, 208, 208 3PH V

Output Frequency (sync to mains)

57 63Hz for 60Hz nominal

Output Voltage Distortion

less than 5% at full load

Crest Factor

Unlimited

Waveform type

Sinewave

Output Connections

(1)Hard Wire 5-wire (3PH + N + G)
(1)Screw Terminals

August 8, 2005

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Input

Bypass	Built in Static Bypass
Nominal input voltage	208 3PH V
Input frequency	50/60 Hz +/- 5 Hz (auto sensing)
Input Connection Type	Hard Wire 5-wire (3PH + N + G)
Input voltage range for main operations	177 - 240 V

Batteries

Battery type	Maintenance free sealed Lead Acid battery with suspended electrolyte leakproof
RBC Quantity	1
Extended run options for	Symmetra PX 30kW Scalable to 40kW N+1 208V

Physical

Maximum height dimensions	82 00 inches (208 28 cm)
Maximum width dimensions	24 00 inches (60 96 cm)
Maximum depth dimensions	35 50 inches (90 17 cm)
Net weight	1435 00 lbs (652 27 kg)
Shipping Weight	1585 00 lbs (720 45 kg)
Shipping Height	91 00 inches (231 14 cm)
Shipping Width	29 50 inches (74 93 cm)
Shipping Depth	41 50 inches (105 41 cm)
Color	Black

Environmental

Operating Environment	0 - 40 °C (32 - 104°F)
Operating Relative Humidity	0 - 95%
Operating Elevation	0 - 10000 feet (0 - 3000 m)

August 8, 2005

Approval to Purchase Replacement Uninterruptible Power Supply for City Hall
Data Center from Power Design of Irvine CA

Storage Temperature	50 - 40 °C (58 - 104°F)
Storage Relative Humidity	0 - 95% Non condensing
Storage Elevation	0 - 50000 feet (0 - 15000 m)
Online thermal dissipation	11,611 BTU/hr
Protection Class	NEMA 1

Conformance

Approvals	cUL Recognized, EN 50091 1, EN 50091 2, FCC Part 15 Class A, ISO 14001, ISO 9001, UL 1778, UL 60950
Standard warranty	2 years parts, optional on site warranties available, optional extended warranties available