



**Purchasing Contract
CITY OF AUSTIN
RECOMMENDATION FOR COUNCIL ACTION**

**AGENDA ITEM NO.: 19
AGENDA DATE: Thu 04/15/2004
PAGE: 1 of 2**

SUBJECT: Ratify execution of a contract with UNINTERRUPTIBLE POWER SUPPLY, INC., Carrollton, TX for the purchase of an uninterruptible power supply in an amount not to exceed \$96,486.30.

AMOUNT & SOURCE OF FUNDING: Funding is available in Fiscal Year 2003-2004 Approved Capital Budget of the Electric Utility Department.

FISCAL NOTE: A fiscal note is required.

REQUESTING Purchasing
DEPARTMENT: for Austin Energy;

DIRECTOR'S
AUTHORIZATION: Vickie Schubert

FOR MORE INFORMATION CONTACT: Dolores Castillo (512)322-6466

PRIOR COUNCIL ACTION: N/A

BOARD AND COMMISSION ACTION: N/A

PURCHASING: Critical Business Need.

MBE / WBE: This contract will be awarded in compliance with Chapter 2-9 of the City Code (Minority-Owned and Women-Owned Business Enterprise Procurement Program). No subcontracting opportunities were identified; therefore, no goals were established for this solicitation.

This is to ratify the purchase of an Uninterruptible Power System (UPS) at the Energy Control Center (ECC) located at 301 West Avenue. On February 5, 2004, Austin Energy experienced a failure of one of two uninterruptible power supply units (UPS) at the ECC. Austin Energy staff reconfigured the electric supply system to restore power to critical functions from the one remaining UPS. The UPS system at the ECC was scheduled to be modified and updated after a cutover to the new Supervisory Control and Data Acquisition-Energy Management System (SCADA-EMS) that became operational in November 2003. However, the failure occurred three weeks prior to the modification timeframe. A root cause analysis of the outage has identified deficiencies in the initial 1990 implementation of the UPS power support design. Also, the manufacturer of the existing UPS has gone out of business. Austin Energy sought and found third party support for the failed and existing operational UPS unit. The third party's corrective action recommendations was to replace the entire UPS because of the lack of available spare parts and out dated technology. Staff determined the replacement of the UPS and re-engineering of the power support design were necessary.

The ECC houses many critical systems and functions, including the SCADA-EMS. These systems assure the safety and reliability of the Austin Energy electrical grid. The SCADA-EMS is a complex system that 1) provides network analysis tools to develop strategies for providing a more secure power system, performs general control to 2) regulate generating unit output to varying loads every second of every day (i.e., when you turn on/off a switch, 3) SCADA-EMS senses the change and directs the "electric system" to reliably compensate for the condition), and perform economic dispatch to determine the most economic scheduling of generation and interchange transactions. (i.e., for example, when a major industrial customer turns on a load that ups our system load requirement, SCADA-EMS determines if it is more appropriate to provide the additional generation requirement from AE's capacity reserves or whether AE



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should buy power from another utility off of the ERCOT grid.)

This action was taken as a Critical Business Need, under Resolution 00030-13, dated March 20, 2000, which allows Austin Energy to make a purchase without standard solicitation process in the event of unforeseen damage.

IFB No. DC04100015

CIP BUDGET
Fiscal Note

DATE OF COUNCIL CONSIDERATION:

4/15/2004

WHERE ON AGENDA:

Resolution

DEPARTMENT:

Electric Utility Department

SUBJECT: Ratify execution of a contract with UNINTERRUPTIBLE POWER SUPPLY, INC., Carrollton, Texas for the purchase of an uninterruptible power supply in an amount not to exceed \$96,486.30.

FINANCIAL INFORMATION:

Parent Project Name: **Support Services**

Project Authorization: **2003-2004 Approved Capital Budget**

| | | |
|-----------------------|------------------|-------------------------|
| Current Appropriation | \$ 58,812,222.00 | |
| Unencumbered Balance | | \$ 29,743,898.31 |
| Amount of This Action | | (96,486.30) |
| Remaining Balance | | <u>\$ 29,647,412.01</u> |


Use of Remaining Balance:

Remaining funds will be used for design, construction, equipment, and material acquisition to complete the project.

Use of Any Remaining Funds After Completion of Project:

No remaining funds anticipated at this time.

Director, Planning & Budget

Signature: 

Date: 3/30/04



MEMORANDUM

TO: Mayor and Council Members
Toby Hammett Futrell, City Manager

FROM: Juan Garza, General Manager
Austin Energy

DATE: March 10, 2004

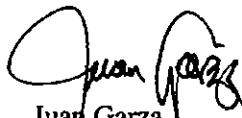
SUBJECT: Critical Business Need: Energy Control Center UPS

On February 5th 2004 we experienced a catastrophic failure of an Uninterruptible Power Supply (UPS) at the Energy Control Center (ECC) located at 301 West Avenue. The ECC houses many critical systems and functions, including the Supervisory Control and Data Acquisition – Energy Management System (SCADA-EMS). These systems assure the safety and reliability of the Austin Energy electrical grid.

Because of the critical nature of this operation we need to immediately precede with a replacement, I have approved authorization to obtain a contractor to design and supply a UPS system on an expedited basis as a Critical Business Need, in accordance with the City Council approved AE Purchasing procedures. The funding for this is included in the FY 2004 Approved Budget.

The attached memo provides documentation for this authorization. A formal request for a contract award will be on the April 15th City Council agenda. Please let me know if you have any questions.

Please let me know if you have any questions or concerns. I can be reached at 322-6002.


Juan Garza
General Manager
Austin Energy