CITY OF AUSTIN - PURCHASING DEPT. **AGENDA DATE: June 9, 2011**
RECOMMENDATION FOR COUNCIL ACTION
VENDOR NAME: ENTECH SALES AND SERVICE

SUBJECT: Authorize award and execution of a contract with ENTECH SALES AND SERVICE, Austin, TX, to replace and upgrade the existing Building Automation System in the APD Headquarters and Patrol Buildings in an estimated amount not to exceed $160,180.

AMOUNT AND SOURCE OF FUNDING: Funding in the amount of $80,000 is available from the U.S. Department of Energy (DOE), as a result of the American Recovery and Reinvestment Act (ARRA) of 2009 for the grant period of December 28, 2009 to December 27, 2012. The remaining $80,810 is available in the Fiscal Year 2010-2011 Operating Budget of the Building Services Division of FASD.

FISCAL NOTE: There is no unanticipated fiscal impact. A fiscal note is not required.

PURCHASING: Single Source.

PRIOR COUNCIL ACTION: February 4, 2010 - Approved acceptance of $7,492,700 grant from DOE amending the budget

BOARDS AND COMMISSION ACTION: To be reviewed by the Electric Utility Commission on May 16, 2011 and the Resource Management Commission on May 17, 2011.

MBE/WBE: This contract will be awarded in compliance with Chapter 2-9C 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.

FOR MORE INFORMATION: Shawn Harris, Supervising Sr. Buyer / 505-7351

This contract is for the repair, replacement, and upgrading of the Building Automation System (BAS) that operates chillers, boilers, pumps, air handling units, variable air volume boxes, and other vital components of the Heating Ventilation and Air Conditioning (HVAC) System at the Austin Police Department (APD) Headquarters and Patrol Buildings. The BAS is also integrated with the existing Schneider Electric/Andover Continuum security system.

The APD Headquarters and Patrol buildings are undergoing re-commissioning through Texas A&M's Continuous Commissioning© (CC) Program. One of the issues identified by this program is that the existing BAS is only partially operational, and the network is damaged. This is already causing comfort issues, preventing the building from being commissioned and increasing maintenance and operating costs. The components required to restore this system to full operation are no longer produced or supported by the manufacturer; and if the network controller fails, it can result in a total loss of communication and control of the HVAC equipment.

A total system or communications failure could impact operations such as the fourth floor of APD headquarters which houses computer services, telephone switches, data switches and routers that support APD telephone and data networks that are essential to supporting the APD mission and must be maintained in a cool and constant low level humidity environment. Currently, the equipment cooling is assisted by extra fans placed in close proximity to the servers to prevent total shutdown and damage to the expensive electronic equipment used in this area. In recent months, the local BAS controller stopped working which is causing the system to be operated in a very inefficient manner.

Entech Sales & Service will upgrade the existing legacy controllers with new Continuum 12 controllers. This will allow continuous control and the utilization of existing field sensor devices along with APD's existing licensed Continuum software. These upgrades to the Continuum system will allow continued interface between the building automation system at APD Headquarters and the Continuum building automation systems at the APD North and South substations. This purchase meets the Buy America requirements of the federal grant.

Entech Sales & Service is the only factory-authorized partner of Schneider Electric for Austin and the surrounding area and is the sole provider of sales, installation, warranty, and maintenance services for the Schneider Electric Continuum product line in this region.

This action will result in helping to reduce the facility's annual energy usage by an estimated 332,136 kWh per year, and could reduce the facilities energy cost by as much as $26,737 annually. These savings are equivalent to an estimated 215 tons of carbon dioxide, 377,173 vehicle miles traveled, removal of 47 cars from our roadways, the planting of 7,366 trees, or 368 acres of forest in Austin's parks.