



**City Council
Agenda Memo**

City Council Meeting Date: 9/10/2015

TO: Robert Hanna, City Manager

FROM: Rodney Taylor, Interim Director of Water Utilities

SUBJECT: Written Resolution Awarding Bid for Purchase of Gas Chromatograph/Mass Spectrometer for the Abilene Environmental Laboratory.

GENERAL INFORMATION

On August 25, 2015 the City of Abilene received bids for the purchase of a Gas Chromatograph/Mass Spectrometer (GC/MS) CB-1546 for the Abilene Environmental Laboratory. The new GC/MS will replace an existing unit. The GC/MS was advertised in the Abilene Reporter News on August 9 and 16, 2015. Three bids were received. The lowest bid meeting the minimum requirements of the bid documents was submitted by Shimadzu Scientific (SS) of Houston, TX in the amount of \$93,703.18. City staff evaluated the bid submittal and does recommend awarding the bid to SS.

SPECIAL CONSIDERATIONS

The Abilene Environmental Laboratory utilizes the GC/MS instrument for measuring the concentration of organic disinfection by-products in drinking water such as Trihalomethanes (THMs). The Environmental Protection Agency and the Texas Commission on Environmental Quality regulate the concentration of THMs in drinking water. THMs are formed during the disinfection process when chlorine or certain chlorine compounds react with naturally occurring organics in the raw water. The City of Abilene must regularly monitor for THM's at various points in the water treatment process and in the water distribution system so that adjustments can be made in the treatment processes and in the distribution system in order to maintain compliance with the applicable regulations. The existing GC/MS unit is approximately 15 years old and is in need of replacement due to ongoing issues with reliability and the lack of replacement parts.

FUNDING/FISCAL IMPACT

Funds for the purchase of the GC/MS are included in the Water Department FY 2015 Annual Operating Budget.

STAFF RECOMMENDATION

Water Department staff recommends that the Abilene City Council award the bid to SS as described above.

BOARD OR COMMISSION RECOMMENDATION

N/A

ATTACHMENTS:

Description	Type
☐ Bid Tab Sheet CB-1546-Gas Chromatograph	Cover Memo
☐ Written Resolution-Gas Chromatograph	Cover Memo

**CITY OF ABILENE
PURCHASING DIVISION
TABULATION OF BIDS**

DEPARTMENT: ENVIRONMENTAL LAB
BID NO.: CB - 1546
TIME OF OPENING: 11:00
DATE OF OPENING: OCTOBER 14, 2014

SHIMADZU SCIENTIFIC
HOUSTON, TX

Thermo Electron
West Palm Beach, CA

SCION INVESTMENTS
FREMONT, CA

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
1	GAS CHROMATOGRAPH	1	EA		\$93,703.18		\$94,432.34		\$131,920.97						
	BASE BID														
	DISCOUNT														
	TOTAL BID				\$93,703.18*										

*NOTES: INDICATES RECOMMENDED AWARD

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS, AWARDING BID TO SHIMADZU SCIENTIFIC FOR PURCHASE OF A GAS CHROMATOGRAPH/MASS SPECTROMETER FOR THE ABILENE ENVIRONMENTAL LABORATORY.

WHEREAS, The City of Abilene (City) owns and operates the Abilene Environmental Laboratory (AEL) located in northeast Abilene; and

WHEREAS, the AEL performs sample collection and analysis for both internal clients such as the Abilene Water Department and for other entities located throughout the region; and

WHEREAS, the Texas Commission on Environmental Quality regulates the concentrations of certain organic compounds such as trihalomethanes (THMs) in the drinking water of public water supplies, and THMs are the byproduct of disinfection processes where chlorine and chloramines react with naturally occurring organic compounds in the raw water; and

WHEREAS, The AEL utilizes a Gas Chromatograph / Mass Spectrometer instrument (GC/MS) to measure the concentrations of THMs in samples taken from various locations in the water treatment process and from the water distribution system, and

WHEREAS, the existing GC/MS is about fifteen years old and in need of replacement due to reliability issues and the difficulty with acquiring replacement parts; and

WHEREAS, Shimadzu Scientific submitted the low bid price bid totaling \$93,703.18 for a GC/MS that meets the minimum requirements of the specifications, and City staff, after evaluating the bid submittal, does recommend awarding the bid to the low bidder; and

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS:

The City Manager is hereby authorized to execute a contract with Shimadzu Scientific for the GC/MS in the amount of \$93,703.18.

ADOPTED this 10th day of September, 2015.

ATTEST:

Danette Dunlap, City Secretary

Norman Archibald, Mayor

APPROVED:

T. Daniel Santee, City Attorney