

# RIVERSIDE PUBLIC UTILITIES

## Board Memorandum

**BOARD OF PUBLIC UTILITIES**

**DATE:** MAY 14, 2018

**ITEM NO:** 6

**SUBJECT:** REQUEST FOR PROPOSAL NO. 1764 PROFESSIONAL CONSULTANT SERVICES AGREEMENT WITH TELEDYNE MONITOR LABS, OF ENGLEWOOD, COLORADO, FOR THE CONTINUOUS EMISSIONS MONITORING SYSTEMS AT THE RIVERSIDE ENERGY RESOURCE CENTER IN THE AMOUNT OF \$372,258 - APPROVE WORK ORDER NO. 1813281 FOR \$420,000

**ISSUES:**

Award Request for Proposal No. 1764 for Professional Consultant Services Agreement with Teledyne Monitor Labs, of Englewood, Colorado, for the Continuous Emissions Monitoring System upgrades at Riverside Energy Resource Center, in the amount of \$372,258; and approve Work Order No. 1813281 for \$420,000.

**RECOMMENDATIONS:**

That the Board of Public Utilities:

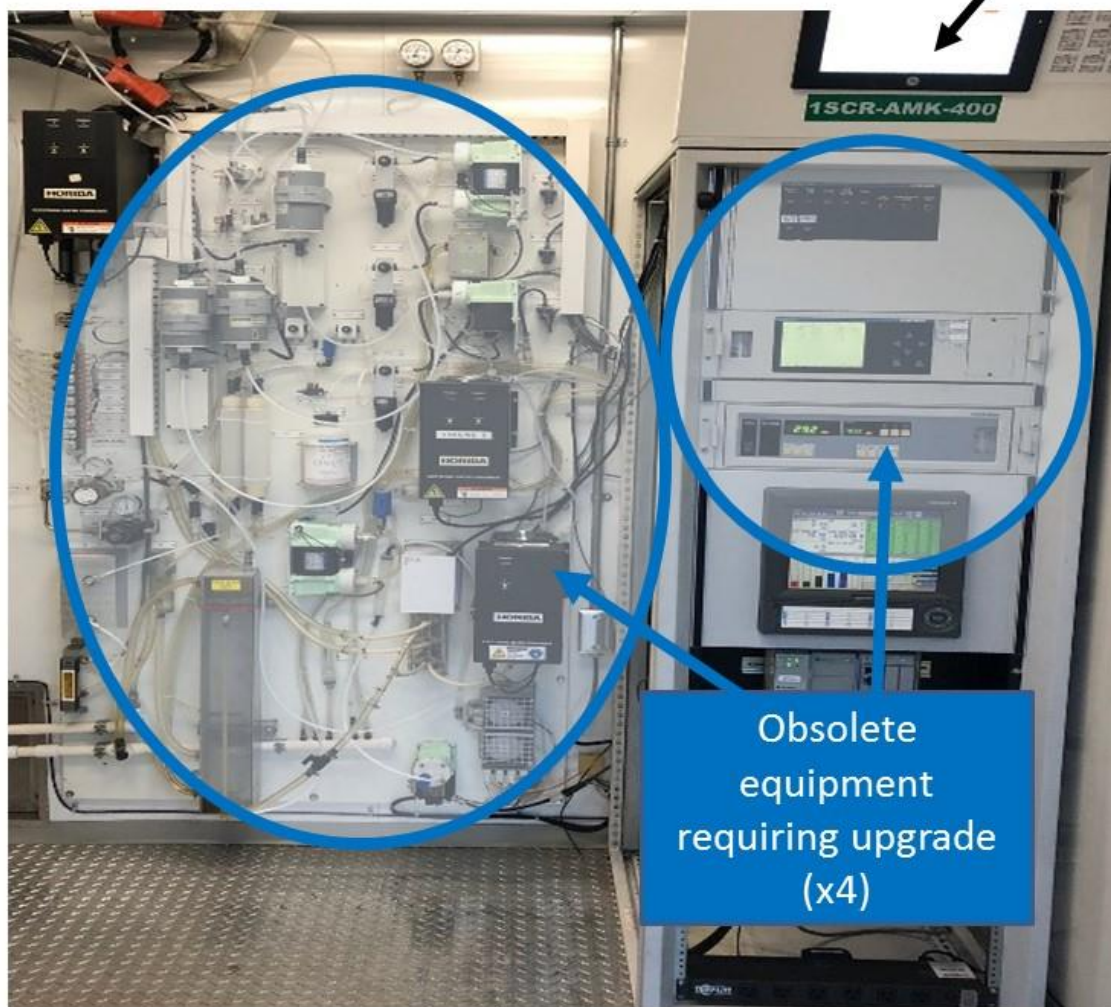
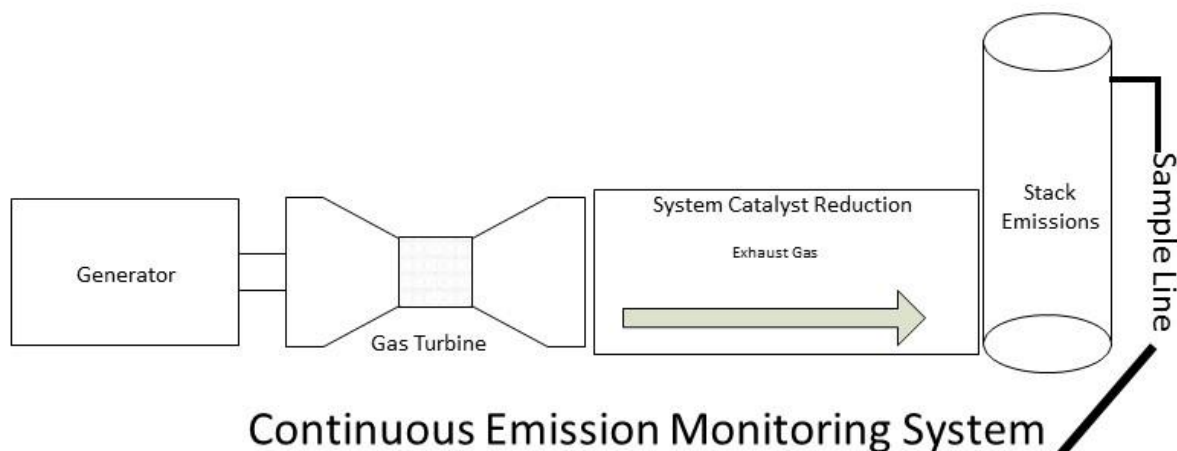
1. Award Request for Proposal No. 1764 for Professional Consultant Services Agreement with Teledyne Monitor Labs, of Englewood, Colorado, for the Continuous Emissions Monitoring System upgrades at Riverside Energy Resource Center in the amount of \$372,258;
2. Authorize the City Manager, or his designee, to execute the Professional Consultant Services Agreement with Teledyne Monitor Labs; and
3. Approve Work Order No. 1813281 for \$420,000.

**BACKGROUND:**

Continuous Emissions Monitoring Systems (CEMS) were installed during the construction of the four Riverside Energy Resource Center (RERC) gas turbine units in 2005 and 2011. These systems consist of several different analyzers that constantly sample and measure microscopic levels of emissions discharged from each unit at RERC. The CEMS operate in compliance with the United States Environmental Protection Agency (EPA) and the South Coast Air Quality Management District (SCAQMD) regulations. Each system performs daily calibration tests and conducts third-party annual accuracy certification audits.

In December 2015, Horiba Instruments Inc. (Horiba), the CEMS original equipment manufacturer, discontinued production of certain analyzers and would only guarantee their support through 2020. This notice affects the analyzer models used in the eight CEMS units located at both the RERC and Springs power plants.

After evaluating the situation and researching alternatives, staff determined that upgrading the four CEMS at RERC at this time would ensure long-term reliability and environmental compliance at Riverside's largest and most utilized power plant. Staff recommends that the Horiba CEMS equipment currently at RERC be repurposed to extend the useful life of the Springs power plant.



**DISCUSSION:**

Request for Proposal No.1764 was posted on January 4, 2018, and closed on January 30, 2018. Five vendors submitted proposals and staff interviewed the top two respondents. After extensive review, staff selected Teledyne Monitor Labs. This CEMS supplier provides the best overall plan for the upgrade, a reliable option for long-term product support, and the most cost-effective package.

<b>Top Two Vendors:</b>	<b>Location</b>	<b>Bid Amount</b>	<b>Rank</b>
1. Teledyne Monitor Labs	Englewood, CO	\$372,258	1
2. Cemtek	Santa Ana, CA	\$439,067	2

The project breakdown is proposed as follows:

<b>Project Breakdown</b>	
Engineering Performed By:	Teledyne Monitor Labs
CEMS Work Performed By:	Teledyne Monitor Labs
Anticipated Start Date:	January 2019
Anticipated Duration:	30 days
Coordination Required With:	SCAQMD and other vendors

The breakdown for the total capital expenditure is as follows:

<b>Description</b>	<b>Amount (\$)</b>
Project Materials – Teledyne Monitor Labs	\$218,004
Contract Labor – Teledyne Monitor Labs	\$135,179
Taxes	\$19,075
Construction Contingency	\$37,258
Staff Costs	\$10,484
<b>Work Order Total</b>	<b>\$420,000</b>

The Purchasing Manager concurs that the recommended action is in compliance with the City of Riverside's Purchasing Resolution No. 23256.

**FISCAL IMPACT:**

The total fiscal impact is \$420,000. Sufficient funds are available in Public Utilities' Capital Account No. 6120130-462200.

Prepared by: Daniel E. Garcia, Utilities Assistant General Manager/Resources  
 Approved by: Todd L. Jorgenson, Interim Utilities General Manager  
 Approved by: Marianna Marysheva, Assistant City Manager  
 Approved as to form: Gary G. Geuss, City Attorney

Certifies availability of funds: Laura M. Nomura, Utilities Assistant General Manager/Finance & Administration

**Attachments:**

1. Professional Consultant Services Agreement Teledyne Monitor Labs
2. RFP Award Recommendation
3. Presentation