



## THE CITY OF KEY WEST

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### EMERGENCY PROCUREMENT MEMORANDUM

**DATE:** April 5, 2024

**TO:** Albert P. Childress, City Manager

**FROM:** Kelly Crowe, P.E., Utilities Director

**CC:** Christina Bervaldi, Finance Director

**SUBJECT:** **Declaration of Emergency Procurement in Excess of \$50,000.00 for Procurement of Double Disk Gate Valves (4), Butterfly Valves with Actuators (2), and Air/Vacuum Release Valves (2) to be Installed on the Deep Injection Wells at the Richard A Heyman Environmental Protection Facility; With Ratification of the Emergency Procurement to Occur at the May 9, 2024, City Commission Meeting.**

**Action Statement:**

Approve the purchase of four (4) Ludlow-Rensselaer disk gate valves, two (2) Ludlow-Rensselaer butterfly valves, and two (2) air/vacuum release valves, from Crispin Valves, a sole source provider of Ludlow-Rensselaer valves, in the amount of \$122,650.00, for installation on the wellhead at the Richard A Heyman Environmental Protection Facility.

**Background:**

The City of Key West operates two deep injection wells, IW-1 and IW-2, for disposal of treated effluent at the Richard A Heyman Environmental Protection Facility. Wells were constructed in 2000 and 2006, respectively. Valves have not been replaced since initial construction. The gate valves cannot be operated and must be replaced. Repair of the valves is not possible.

Valves to be purchased must meet specifications for installation in high moisture, salt-spray conditions. Ludlow-Rensselaer valves, manufactured by Crispin Valves, are the preferred valve because of ductile iron fabrication, stainless steel stem, aluminum bronze seats, ductile iron gates, and stainless steel bolts and nuts necessary for exterior installation in marine environments.

\$200,000.00 is budgeted in account 4013504 5356500 Construction in Progress for deep well valve replacement.

*Key to the Caribbean – Average yearly temperature 77° F.*

**Purpose and Justification:**

City of Key West Code of Ordinances Sec. 2-797(2) empowers the city manager to authorize contractual services, where the cost exceeds \$50,000.00 and when there exists a threat of substantial loss to the city. As soon as practicable, a record of the emergency procurement will be ratified by the city commission.

An emergency procurement for the purchase of wellhead valves is necessary because the gate valves were found to be not working during the recent mechanical integrity testing of the deep injection wells. It is critical to have working valves on the wellheads so that the wells can be isolated.

Three vendors, suppliers of industrial valves, were contacted with the request to provide quotes for 10-inch and 12-inch gate valves, 24-inch gate valves, 24-inch butterfly valve with Rotork actuator assembly, and six-inch air/vacuum release valves. Only one vendor, PSI Technologies, was responsive and provided unit prices and total prices for the valves, as requested.

**Financial:**

Deep well valve replacement has been budgeted in account 4013504 5356500 Construction In Progress.

**Recommendation:**

Staff recommends the city manager approve the emergency procurement of 10-inch, 12-inch, and 24-inch gate valves, 24-inch butterfly valves with Rotork actuator assemblies, and six-inch air/vacuum release valves from PSI Technologies, in the amount of \$122,650.00.

  
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Albert P. Childress, City Manager

  
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Date

Reviewed for Legal Sufficiency  
  
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Ronald J. Ramsingh, City Attorney