




## MEMORANDUM

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Date: May 9, 2024

To: Honorable Mayor and Commissioners

Via: Albert P. Childress  
City Manager 

From: Matt Willman  
Interim Utilities Director

Subject: **24-5672 Ratify Procurement of Gate Valves, Butterfly Valves with Rotork Actuators, and Air/Vacuum Release Valves to be Installed on the Richard A Heyman Environmental Protection Facility Wellheads, from PSI Technologies, Inc., in the amount of \$122,650.00, Pursuant to Section 2-797(1), (2), and (4)(b) of the Code of Ordinances; and Authorize Any Necessary Budget Transfers.**

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### Introduction

This resolution will ratify the procurement of double disk gate valves (4), butterfly valves with Rotork actuators (2), and air/vacuum release valves (2), from PSI Technologies, Inc., a sole source distributor of Crispin Valves, in the amount of \$122,650.00, pursuant to Code of Ordinances Section 2-797(1), (2), and (4)(b) sole source provider, emergency procurement, and best interests of the city; and authorize any necessary budget transfers.

The valves will be installed on the wellheads at the Richard A. Heyman Environmental Protection Facility to replace valves that are not working.

### Background

The City of Key West operates and maintains two deep injection wells at the Richard A. Heyman Environmental Protection Facility, for the disposal of treated effluent, where the treated effluent is pumped to a depth of 3,000 feet below sea level. IW-1 and IW-2 wells were constructed in

2000 and 2006, respectively. Wellhead valves have not been replaced since construction and are failing or are completely not closeable. It is not possible to isolate or shut off flow to the wells.

Replacement valves will be installed on the wellhead piping, an exterior installation where heavy salt spray is the normal condition. The valves need to be manufactured with stainless steel stems and fittings and fabricated with ductile castings.

Treated wastewater that flows through the valves has a high salt content. Components inside the valves need to be aluminum bronze seats, bronze wedges (gate valves) and ductile iron discs (large diameter valves).

Crispin Valves meet these specifications. PSI Technologies is the sole and exclusive municipal water representative for all Crispin Valve products within the state of Florida but excluding the panhandle area.

The wellhead valves must be replaced as soon as possible 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 operational valves on the wellheads to control flow to the wells.

### **Procurement**

Funds, in the amount of \$200,000.00, have been budgeted in sewer construction in progress, account 4013504 5356500, project number SE35042301 Deep Well Valve Replacement.

### **Recommendation**

The City Manager's Office recommends the Mayor and City Commission ratify the procurement of double disk gate valves (4), butterfly valves with Rotork actuators (2), and air/vacuum release valves (2), from PSI Technologies, Inc., a sole source distributor of Crispin Valves, in the amount of \$122,650.00, pursuant to Code of Ordinances Section 2-797(1), (2), and (4)(b) sole source provider, emergency procurement, and best interests of the city; and authorize any necessary budget transfers.