



THE CITY OF KEY WEST

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MEMORANDUM

EXECUTIVE SUMMARY

TO: Jim Scholl, City Manager
E. David Fernandez, Asst. City Manager

FROM: Jay Gewin, Utilities Manager

DATE: April 18, 2012

SUBJECT: Approval for Purchase of Belt Press Wedge Kits for the Richard A. Heyman Environmental Protection Facility (WWTP) in the Amount of \$31,000.00 from Ashbrook Simon-Hartley Operations, L.P. on a Sole Source Basis

Action Statement:

This resolution is seeking approval to purchase of two Belt Press Wedge Kits for the WasteWater Treatment Plant from Ashbrook Simon-Hartley Operations, L.P. on a sole source basis in the amount of \$31,000.

The agreement is executed according to City Code 2-797 (1) (b) pertaining to purchases done on a sole-source basis

Background:

The WWTP uses two belt presses to dewater sludge produced by the wastewater stream that comes through the plant. These are located in the solids building at the WWTP site. The current presses in use today were installed as replacements back in 2001, and are in need of repair and upgrade as they are suffering from several years of wear and tear.

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



The City's two belt presses at the Wastewater Treatment Plant

Purpose and Justification:

The presses, when last replaced in 2001, were fabricated with stainless steel framing. The vertical presses section is made of galvanized steel and has perforated plates used for the dewatering process. The vertical section retrofit will replace the galvanized steel sections with stainless steel; thus, making them corrosive resistant and a new design to enhance the capability of the press by increasing throughput, increasing dry solids content and reduce operating and maintenance costs.

Options:

1. Do not purchase retrofits and maintain current operations. This option is not recommended, as after 11 years of continual use, the press equipment is in need of replacement and upgrade.
2. Upgrade the belt presses with the vertical section retrofit to produce better drainage, throughput and increased cake solids. This option is recommended by City Staff and OMI, as it will improve the existing system and provide the City with operational savings.

Financial Impact:

The \$31,000.00 cost is budgeted in line item 401-3504-535-63. There are sufficient funds available within this line item to accommodate the purchase.

Recommendation:

Staff recommends Option # 2, authorizing the purchase of the Belt Press Wedge Kits from Ashbrook Simon–Hartley Operations, L.P. in the amount of \$31,000.00.