



## THE CITY OF KEY WEST

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MEMORANDUM

### EXECUTIVE SUMMARY

**TO:** Bogdan Vitas, City Manager  
E. David Fernandez, Asst. City Manager - Operations

**FROM:** Jay Gewin, Utilities Manager

**DATE:** February 9, 2014

**SUBJECT:** **Purchase of New Odor Control Units at Sewer Lift Stations R and S in the Amount of \$52,400 from Heyward, Inc. on a Sole-Source Basis.**

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#### **Action statement:**

This resolution is seeking approval to install new odor control units at sewer Lift Stations R and S in the amount of \$52,400 from Heyward, Inc. on a Sole Source Basis.

The agreement is executed according to City Code 2-797 (1) (b) pertaining to purchases done on a sole-source basis, as Heyward, Inc. is the only factory-authorized parts and service dealer for MARCAB products in the State of Florida.

#### **Background:**

Lift Station R is located at 3380 Donald Ave in Buttonwood Court. The site is located in close proximity to residential housing, and would benefit from the installation of a new odor control unit.

Lift Station S is located at 99 Hilton Haven Dr., and is another location in a residential area that would benefit from the installation of one of these units. Many of the lift stations that receive the greatest amount of daily sewer flow already have these units in operation, which we have found to benefit these areas.

#### **Purpose & Justification:**

There are limited companies that manufacture this sort of product. The City's experience with Bio-Cube at Lift Station D was not successful, as we replaced

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

that unit with a new MARCAB unit last year. We have found a definite improvement in the Seminary/Thompson St. area since the installation of the new odor control unit.

City Staff and OMI have found that MARCAB equipment is the superior odor control system, and we have therefore equipped all other lift station odor control units with this product. City Staff and OMI recommend that Lift Stations R and S be retrofitted to a similar MARCAB system so it can obtain a similar efficiency level, and so that replacement parts are easier to maintain. Heyward, Inc. is the only factory-authorized parts and service center for this MARCAB equipment in the State.

**Options:**

1. Staff could install a Bio-Cube unit which is complicated, prone to failure and made of plastic which is prone to UV and stress cracks. This option is not recommended.
2. Install a MARCAB iron sponge system to be sized properly and has been proven successfully for years at the five other units in place in the sewer collections system at lift stations "A", "B", "D", "F", and "G". This is the City and OMI's recommended option.
3. Do nothing, which would leave these stations without odor control units which could leave these neighborhoods prone to periodic sewer gases.

**Financial Impact:**

The City budgeted \$60,000 for these improvements in the approved FY 2014 sewer budget in line item 401-3504-535-46. The cost for these parts is \$52,400, which is below budget. OMI will install the equipment.

**Recommendation:**

City Staff recommends option 2, the purchase of the odor control system from Heyward, Inc. on a sole source basis in the amount of \$52,400.