



THE CITY OF KEY WEST

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EXECUTIVE SUMMARY

TO: Jim Scholl, City Manager
Greg Veliz, Asst. City Manager

FROM: John Paul Castro, Utilities Director

DATE: November 15, 2016

SUBJECT: Approving Task Order 1-17 SWR from CH2M Hill Engineers, Inc. for the Preliminary Design and Permitting for Reclaimed Water Facilities in the Amount of \$58,472.00

Action Statement:

This is a request to approve task order 1-17 SWR from CH2M Hill Engineers, Inc. for the Preliminary Design and Permitting for Reclaimed Water Facilities at the Wastewater Treatment Plant in the Amount of \$58,472.00

Background:

The City of Key West's wastewater treatment plant pumps on average 4.5 million gallons of treated water approximately 3,000 feet back into the earth each day. This water has been treated by a state of the art facility to a standard called "Advanced Wastewater Treatment."

Purpose and Justification:

The purpose of the task order is to permit the reuse of treated water from the plant and covers the preliminary design efforts that would be needed to go along with the permitting efforts. The design will include any required additional disinfection to the water and holding tanks and pumps.

This initial permitting would be proposed to allow the City's community services department to use treated water for street cleaning and pressure washing. The amount of potable water to be saved by these activities would be approximately 360,000 gallons a year.

The City's utilities department would also use the water for well cleaning and other vactor related operations that uses upwards of 100,000 gallons of potable water a month.

The reuse permitting and preliminary design was budgeted for FY17. Additional funds
Key to the Caribbean – Average yearly temperature 77° F.

MEMORANDUM

of \$100,000 were forecast in the rate model for FY18 for the necessary construction necessary to provide reuse.

Task Order 1-17 SWR is pursuant to the rates provided in resolution 15-208. Staff finds the labor mix and proposed efforts reasonable.

Financial Impact:

\$60,000 was budgeted in FY17 in account 401-3504-353-6500

Recommendation:

Staff recommends approval of task order 1-17 SWR from CH2M Hill Engineers, Inc. for Preliminary Design and Permitting for Reclaimed Water Facilities at the WWTP in the amount of \$58,472.00