



THE CITY OF KEY WEST

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MEMORANDUM

TO: Jim Scholl, City Manager
Cc: Greg Veliz, Asst. City Manager
FROM: John Paul Castro, Utilities Director
DATE: July 12, 2018

SUBJECT: Approving a Task Order from Perez Engineering & Development, Inc. for Bid Phase, Permit Renewal Services, and Field Test Phase Services for the Mechanical Integrity Testing of Deep Injection Well IW-1 and IW-2.

Action statement:

Staff requests approval of a task order from Perez Engineering & Development, Inc. to create bid documents, permit renewal development, and testing oversight services for the 5-year mechanical integrity testing (MIT) of deep injection wells IW-1 and IW-2, in the amount of \$88,340.00, pursuant to Resolution 17-207.

Background:

The City of Key West uses two deep injection wells to pump treated wastewater effluent 3,000 ft. below sea level. The deep injection wells are permitted by Florida Department of Environmental Protection (FDEP), permit numbers 327710-001-UO/5W and 327710-00-UO/5W, and are required to be tested for mechanical integrity every 5 years.

The 5-year renewal is due November 30, 2019. FDEP requires the permit application be submitted at least 60 days prior to expiration of the permit.

Purpose and Justification:

City staff has utilized Perez Engineering's expertise for operating permit renewal development and testing oversight services for the mechanical integrity testing, for the last two application periods.

Utilities is not staffed to create such detailed operating reports, nor does staff have the expertise to provide the required information.

The mechanical testing must be done by specialized and accredited firms, utilizing detailed testing specifications that must be developed by an engineer.

Staff has reviewed the schedule of values and finds the fees fair and
Key to the Caribbean – Average yearly temperature 77° F.

reasonable. The rates match those within the general engineering services contract.

Financial Impact:

The engineering services will be paid out of account 401-3504-535-3100. A budget transfer for \$88,340.00 will need to be made from reserves to fund the account. The expense has been accounted for in the sewer rate model for FY19.

Recommendation:

Staff recommends approving the task order from Perez Engineering and Development, Inc., in the amount of \$88,340.00 for the bid phase, permit renewal development, and field test phase services for the mechanical integrity testing of deep injection well IW-1 and IW-2, to meet FDEP requirements.