



Legislation Text

File #: 18-2120, **Version:** 1

ITEM: AUTHORIZATION TO AWARD A TASK ORDER TO PROVIDE HYDROGEOLOGIC CONSULTING SERVICES FOR GROUNDWATER MODELING AND APPLICATION FOR MODIFICATION OF VILLAGE OF WELLINGTON SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) CONSUMPTIVE USE PERMIT

REQUEST: Authorization to approve a task order to JLA Geosciences, Inc. to provide hydrogeologic consulting services for a Groundwater Modeling and Application for Modification of Village of Wellington SFWMD Consumptive Use Permit Modification at a cost of \$81,240.00.

EXPLANATION: On August 8, 2017, Council awarded an engineering services contract (004-17/DZ) to multiple vendors. JLA Geosciences, Inc. was selected as one of Wellington's engineering service providers. Staff is seeking authorization to utilize such contract for JLA Geosciences, Inc. to provide engineering consulting services for a Groundwater Modeling and Application for Modification of Village of Wellington SFWMD Consumptive Use Permit Modification.

The Utility uses ground water from surficial wells to supply raw water to the water treatment plants. The SFWMD regulates water supply in our area and issued a Consumptive User Permit to the Village in November of 2011. The Utility is currently using approximately 85% of its annual permitted allocation. An increase in the annual allocation is necessary to support existing plant capacity, accommodate future growth in the Utility's Royal Palm Service Area, accommodate redevelopment within Wellington and connect those neighborhoods within Wellington and Unincorporated Palm Beach County that are not currently Utility customers. In order to obtain an additional allocation, a permit modification is required. In order to demonstrate that the additional allocation meets the SFWMD Regional Availability Rule, JLA recently completed the development of a calibrated MODFLOW groundwater model to simulate the surficial aquifer system in Wellington's Utility Service Area and analyze the effects of additional withdrawals and surface recharge scenarios. This new model will be used to evaluate groundwater impacts from an increased allocation. The permit modification will also seek additional groundwater wells to supply additional capacity and provide redundancy. Copies of the April 12, 2017 report prepared by JLA titled "Village of Wellington Water Supply Evaluation-Water Use Permit and Permitted Capacity Review-Results" and the April 18, 2018 memorandum also prepared by JLA titled "Groundwater Modeling for the Village of Wellington-Model Development and Preliminary Consumptive Use Evaluation (Phase I) are attached for informational purposes.

Staff recommends awarding a task order to JLA Geosciences, Inc. to provide hydrogeologic consulting services for a Groundwater Modeling and Application for Modification of Village of Wellington SFWMD Consumptive Use Permit Modification at a cost of \$81,240.00.

BUDGET AMENDMENT REQUIRED: NO

PUBLIC HEARING: NO

QUASI-JUDICIAL:

FIRST READING:

SECOND READING:

LEGAL SUFFICIENCY: YES

FISCAL IMPACT: Funds for this project are available in the Utilities Professional Services project 401-7001-536.31-05.

WELLINGTON FUNDAMENTAL: Responsive Government

RECOMMENDATION: Authorization to approve a task order to JLA Geosciences, Inc. to provide hydrogeologic consulting services for a Groundwater Modeling and Application for Modification of Village of Wellington SFWMD Consumptive Use Permit Modification at a cost of \$81,240.00.