

# TOWN OF PALM BEACH

Information for Town Council Meeting on: April 10, 2018

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TO: Mayor and Town Council

VIA: Kirk W. Blouin, Town Manager

FROM: H. Paul Brazil, P. E., Director of Public Works

RE: Approve a Change Order Increasing a Purchase Order to Woods Hole Group for Coastal Vulnerability Assessment  
**Resolution No. 50-2018**

DATE: March 28, 2018

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## **STAFF RECOMMENDATION**

Town staff recommends that Town Council approve Resolution No. 50-2018 approving a change order to Purchase Order No. 170736 with Woods Hole Group (WHG), for dynamic modeling in the amount of \$59,950 and increasing the total budget for the Coastal Vulnerability Assessment from \$110,000 to \$169,950.

## **GENERAL INFORMATION**

In 2013, WHG completed a technical review of the proposed Coastal Management Program and provided input directly to Town Council prior to Town Council's adoption of the ten (10) year plan. While their report identified recommended projects for each respective reach along the shoreline, the report also included island-wide recommendations that extended through multiple reaches. One of the recommendations was the completion of a flooding vulnerability study.

Approved by Town Council on December 13, 2016, WHG is now approximately halfway through the two (2) year study. One element of the study was to use a model to help the Town plan for present and future risks of flooding. The initial scope of work, developed in 2013, was to use a static model. Recently, WHG successfully completed a flooding study utilizing a newly developed dynamic model for the Boston area. This new technology has the capability to recognize specific flooding pathways rather than the more simplified approach of identifying impacts based generally on water levels. The additional detail is more realistic and can identify focused solutions for Town assets and infrastructure that may be at risk from flooding events. The work that has been completed to date by WHG has revealed areas vulnerable to flooding pathways that also raise the significance to use this dynamic modeling.

Staff recommends that Town Council approve a change order to include the dynamic modeling. The use of the dynamic model vs. the static model will not impact the schedule for this study. WHG has informed that the study remains on track for a report to be provided to the Town by the end of this calendar year.

### **FUNDING/FISCAL IMPACT**

Dynamic modeling for the Coastal Vulnerability Assessment was not included in the Town Council Adopted ten (10) Year Coastal Management Plan. A sufficient amount of unappropriated funds exists in the Coastal fund to accommodate an added dynamic modeling effort.

### **PURCHASING REVIEW**

This item has been reviewed by the Purchasing Division and approved as recommended.

### **TOWN ATTORNEY REVIEW**

This Resolution has been reviewed and approved by the Town Attorney for legal form and sufficiency.

### Attachments

cc: Jane Le Clainche, Director of Finance  
Robert Weber, Coastal Program Manager  
Dean Mealy, Purchasing Manager  
Bob Hamilton, Woods Hole Group