

**Agenda Item 7.E
Meeting of 3/1/23****RESOLUTION 2023-15047**

A RESOLUTION FOR THE PURPOSE OF AWARDING A CONTRACT TO THE UNIVERSITY OF FLORIDA IN THE AMOUNT OF \$49,989.00 TO UPDATE, ENHANCE, AND MAINTAIN SERVICE OF THE ADAPTATION OF COASTAL URBAN AND NATURAL ECOSYSTEMS (ACUNE) TOOL, AND TO PROVIDE TRAINING; AUTHORIZING THE CITY MANAGER TO EXECUTE A CONTRACT SUBJECT TO LEGAL SIGN OFF TO COMPLETE TASKS 1 THROUGH 6, AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, at the December 7, 2022, City Council meeting, public comments and a brief presentation were provided by advocates of the Adaptation of Coastal Urban and Natural Ecosystems (ACUNE) program; and

WHEREAS, at the January 20, 2023, City Council workshop, a fuller presentation related to proposed updates and enhancements to the ACUNE program was completed, and staff was directed to return to council with a resolution authorizing the completion of the following tasks:

- Task 1** Maintain the computer system and software stack (ESRI ArcGIS Server, etc.) that provides the ACUNE functionality. Purchase ESRI credits as necessary to cover the paid ESRI services (background maps such as imagery, address search, etc.), and update the background map (this is especially important for the City since so much rebuilding has occurred),
- Task 2** Maintain/update the ACUNE tool and add asset layers as needed to meet the needs of various City Departments and add new data,
- Task 3** Produce 1% flood maps and nuisance tide flood maps for 2040 and 2070 using NOAA 2017 Report "Intermediate Low" and "Intermediate High" sea level values for Naples,
- Task 4** Improve the RFS. Add the ability to incorporate the tide level into the Rapid Forecasting System for coastal inundation prediction,
- Task 5** Provide training to Naples City, Marco Island and Pelican Bay Foundation staff on the use of the Rapid Forecasting System (RFS) for coastal inundation prediction and extraction of data for their interested area. The RFS allows a user to input the hurricane intensity, size, forward speed, heading and landfall location. Hurricane intensity is represented by the atmospheric pressure deficit, and
- Task 6** Work with the LWVCC to provide general staff and community outreach and education; and

WHEREAS, staff recommends awarding a contract in the amount of \$49,989.00 to the University of Florida to update, enhance, and maintain service of the Adaption of Coastal Urban and Natural Ecosystems (ACUNE) tool, as well as provide training; and

WHEREAS, Pelican Bay Association has committed to reimbursing the City \$10,000.00, which will reduce the net cost by that amount, and the City of Marco Island will also consider reimbursing the City for access and training with the program; and

WHEREAS, City Council authorizes an appropriation transfer in the amount of \$49,989.00 into account number 001-04-01-512-546170 from the FY2023 budgeted operating contingency of \$100,000, and any donated funds received will be utilized to reduce the net amount needed to fulfill the obligation; and

WHEREAS, approval of this resolution is in the best interest of the health, safety, and welfare of the residents of the City of Naples;

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF NAPLES, FLORIDA:

Section 1. That the above "Whereas" clauses are ratified, confirmed, and incorporated by reference as if set forth herein as the City Council's findings.

Section 2. That the City of Naples will enter into a contract with the University of Florida in the amount of \$49,989.00 to update, enhance, and maintain service of the Adaption of Coastal Urban and Natural Ecosystems (ACUNE) tool, and provide training to complete tasks one through six.

Section 3. That the City Manager is hereby authorized to execute a contract subject to legal sign off.

Section 4. That this resolution shall become effective immediately upon adoption.

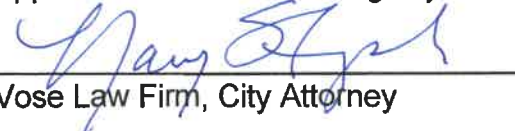
PASSED IN OPEN AND REGULAR SESSION OF THE CITY COUNCIL OF THE CITY OF NAPLES, FLORIDA, THIS 1ST DAY OF MARCH 2023.

Attest: ON THE


Patricia L. Rambosk, City Clerk


Teresa Lee Heitmann, Mayor

Approved as to form and legality:


Vose Law Firm, City Attorney

Date filed with City Clerk: 3-14-23