

FY 2020-2021 GRANT APPLICATION

**Application documents are not to exceed 12 pages, including all supplemental and required documents.
MUST USE THIS APPLICATION FORM**

I. TITLE PAGE

1. PROJECT TITLE: Indian River County Vulnerability Assessment
(Limited to 100 characters)

2. GRANTEE Contact Information:

Organization Name: Indian River County

Name of Authorized Signer: Jason E. Brown

Title: County Administrator

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3. GRANT MANAGER Contact Information:

Organization Name: Indian River County

Name: Roland M. DeBlois, AICP

Title: Interim Community Development Director

Address: 1801 27th Street, Building A

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Zip Code: 32960

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4. FISCAL AGENT Contact Information:

Organization Name: Indian River County

Name: Raeanne Cone

Title: Senior Accountant

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II. WORK PLAN

5. PROJECT SUMMARY:

In 2018, Indian River County revised its 2030 Comprehensive Plan – Coastal Management Element (CME) to bring it into compliance with the Peril of Flood Requirements of Sec. 163.3178(2)(f) F.S. During that process, potential sea level rise inundation scenarios were mapped and impacts based on broad descriptions of land use were analyzed. Basic mitigation and adaptation strategies were also discussed in the CME update.

To build upon this effort, a more specific analysis of sea level rise and flooding risk is needed. To do this, a vulnerability assessment for assets and infrastructure in Indian River County will be completed. In addition, and as part of this project, the vulnerability assessment will be used to develop adaptation strategies to address assets, infrastructure, communities and groups that are at risk.

6. PROJECT DESCRIPTION:

In order to develop a detailed vulnerability assessment, this project will incorporate the latest sea level rise projection data, as well as data related to rainfall, elevations, repetitive loss flooding, king tides, and hurricane storm surge. It will also include data from public outreach meetings, a County Staff working group assembled for the project, and an exposure analysis.

In addition to the need for a vulnerability assessment, the recent CME update highlights the need for sea level rise and flooding adaptation strategies that consider disadvantaged and vulnerable groups, evaluate both the man-made and natural environment, and are economically feasible.

The second component of this project is the development of adaptation strategies that address these important issues while referencing the level of risk drawn from the vulnerability assessment.

7. PROJECT NEED AND BENEFIT:

- A. Explain the demonstrated need, which the project addresses. Preliminary sea level rise inundation scenarios were analyzed during the recent CME update; however, many valuable data sources could not be incorporated due to time and budget constraints. This project takes that next step by completing a more detailed analysis of potential impacts related to sea level rise and flooding.
- B. Explain how the proposed project meets the purpose of one or more of the Goals and Priorities for FRCP. *(See documents on the website: [https://floridadep.gov/resilience under Grants.](https://floridadep.gov/resilience_under_Grants))* FRCP Priority Area number 3 includes the completion of a vulnerability assessment and adaptation plan (strategies), other than those required for compliance with Peril of Flood Requirements. Since Indian River County recently completed updates to its CME to achieve compliance with the Peril of Flood Requirements, this grant project completes the remaining items included in FRCP Priority Area number 3.
- C. Discuss how the project is feasible and can be completed by the grant period deadline. Completion of this project within the deadline is feasible since the project will use many existing data sources, projections, and models. In addition, the County's GIS Department maintains some of the required data for the project in-house. The work therefore primarily consists of the assemblage of existing information, and the County anticipates using a consultant familiar with the FRCP Grant projects to complete the work.