

Application: RFG--713--

City of Hollywood53803RFG--713--Resilient Florida Grant ProgramRFG

Started at: 2/1/2022 03:38 PM - Finalized at: 2/14/2022 04:40 PM

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<b>Page: Eligibility Questions</b>
<b>Applicant Name</b> City of Hollywood Florida
<b>Entity Type</b> Local Florida Government or Municipality
<b>Applicant County</b> Broward
<b>Page: Grantee's General Info</b>
<b>Grant Type</b> Resilient Florida Grant Program

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**Provide the Applicant's FEID# that matches the registered listing in My Florida Market Place (MFM)** (<https://vendor.myfloridamarketplace.com>)

(<https://vendor.myfloridamarketplace.com>)

**Note: FEID may also be referred to as an FEIN and appears on an entity's W-9**

1. Go to MFMP (<https://vendor.myfloridamarketplace.com>), and login to validate and obtain the correct sequence number for your entity's payment information.

2. Enter your User Name & Password. If unknown enter "publicuser" for the User Name & Password

3. Search through the listings under the detail section, that have the following fields that match your application information for where the applicant's funds are to be delivered to:

- Entity legal name
- Full address (physical)

4. Should you not find a listing that matches, please contact MFMP to get a correct entry listed for the Grantee at:

[https://www.dms.myflorida.com/business\\_operations/state\\_purchasing/myfloridamarketplace](https://www.dms.myflorida.com/business_operations/state_purchasing/myfloridamarketplace)

([https://www.dms.myflorida.com/business\\_operations/state\\_purchasing/myfloridamarketplace](https://www.dms.myflorida.com/business_operations/state_purchasing/myfloridamarketplace)) operations.

5. If your question is not answered by the FAQ's link on MFMP's page, please contact the MFMP Vendor Customer Service Desk at [vendorhelp@myfloridamarketplace.com](mailto:vendorhelp@myfloridamarketplace.com)

(<mailto:vendorhelp@myfloridamarketplace.com?subject=MFMP%20Assistance%20Needed>) or by phone at 866-352-3776.

**Federal Tax ID Number**

59-6000338

**DUNS Number**

076022136

Provide current contact information for each contact. Some information may be duplicative. The grantee's grant manager is responsible for all correspondence with DEP after the grant is awarded and relaying any information necessary to partners and/or subcontractors.

**Applicant's Physical Address**

2600 Hollywood Blvd

**Applicant's Physical City**

Hollywood

**Applicant's Physical Zip Code**

33020

**Applicant's Grant Manager's Name**

Elaine Franklin

**Applicant's Grant Manager's Title**

Environ. Sustainability Coord.

**Applicant's Grant Manager's Physical Address**

2600 Hollywood Blvd

**Applicant's Grant Manager's City**

Hollywood

**Applicant's Grant Manager's Zip Code**

33020

**Applicant's Grant Manager's Phone Number**

954-967-4526

**Applicant's Grant Manager's Email Address**

efranklin@hollywoodfl.org

**Applicant's Authorized Signer's Name**

Wazir Ishmael

**Applicant's Authorized Signer's Title**

City Manager

**Applicant's Authorized Signer's Physical Address**

2600 Hollywood Blvd

**Applicant's Authorized Signer's City**

Hollywood

**Applicant's Authorized Signer's Zip Code**

33020

**Applicant's Authorized Signer's Phone Number**

954-921-3201

**Applicant's Authorized Signer's Email Address**

wishmael@hollywoodfl.org

**Applicant's Fiscal Agent's Name**

David Keller

**Applicant's Fiscal Agent's Title**

Fiscal Affairs Manager

**Applicant's Fiscal Agent's Mailing Address**

P.O. Box 229045

**Applicant's Fiscal Agent's City**

Hollywood

**Applicant's Fiscal Agent's Zip**

33020

**Applicant's Fiscal Agent's Phone Number:**

954-921-3551

**Applicant's Fiscal Agent's Email Address**

dkeller@hollywoodfl.org

**Page: Project Information****Entity's Name**

City of Hollywood Florida

**Resilient Florida Grant Program Project Type**

Comprehensive Plan amendments and necessary analyses for complying with "Peril of Flood" statute (Sec. 163.3178(2)(f) F.S.) for communities with a Coastal Management Element in their comprehensive plan, Vulnerability assessments, other than that necessary for compliance with Peril of Flood, that identify or address risks of flooding and sea level rise, Development of adaptation/resilience plans, projects, and policies that allow for preparation for threats from flooding and sea level rise

**Project Title**

Citywide Vulnerability Assessment Update

**List the City(ies)/Town(s)/Village(s)**

Hollywood, Florida

**Project Scale**

County/Municipality-wide

**Upload Map**

Download File (<https://vo-general.s3.amazonaws.com/d017b91f-429c-41d2-94c6-f764db3489dc/dcf9ebed-4282-4f4f-bafe-1263ab7a9d3b?AWSAccessKeyId=AKIAJ4PRWO26HAX3IOCA&Expires=1731188442&response-content-disposition=inline%3B%20filename%3D%22Hollywood-%20FL%20map.pdf%22&response-content-type=application%2Fpdf&Signature=gpdGJK%2FsFhULAnAPrAivg7mj6kY%3D>)

**Total Population**

153,155

**Percent of Population Served**

100%

**State Lands included?**

No

**PROJECT WORK PLAN**

*Please review the Resilient Florida Grant Program parameters (<http://laws.flrules.org/2021/28>) under s. 380.093(3), F.S. If including any letters of support or other materials, they should specifically address the Work Plan components below.*

**Project Summary**

The City of Hollywood completed a vulnerability assessment for tidal flooding, storm surge, and extreme precipitation previously. It does not fully comply with F.S. 380.093 requirements. The City will update the vulnerability assessment, incorporate a new Stormwater Master Plan, conduct analyses to comply with the Peril of Flood statute and draft corresponding comprehensive plan language. The City will then examine the highest ranked vulnerable critical assets to address their vulnerabilities to future flood hazards.

## **Project Scope of Work**

The City of Hollywood is one of the most vulnerable geographic locations in Florida with respect to sea level rise and storm surge. The increased frequency of severe weather further exacerbates vulnerability and increases the need for well-informed planning and well-protected infrastructure. As part of that planning, the City has been proactive and initiated efforts to identify and evaluate future climate change impacts on the City's assets.

The City has begun updating its Comprehensive Plan. Thus, the timing of this opportunity will support Hollywood in becoming compliant with Section 163.3178(2)(f) of the Florida Statutes. Analyses will be completed and comprehensive plan language that satisfies the Peril of Flood requirements will be drafted and incorporated into the updated Plan.

To fully comply with F.S. 380.093 requirements, the City will conduct a city-wide vulnerability assessment of all critical assets within the city limits based on the 2017 NOAA Intermediate-Low and Intermediate-High sea level rise projections for the years 2040 and 2070. The assets will be ranked by their vulnerability to individual and compounding impacts of tidal, storm surge, and rainfall-induced flooding. Furthermore, the City is currently undertaking a city-wide Stormwater Master Plan (SWMP), and some of the modeling work, especially for rainfall-induced flooding, will be incorporated into the existing SWMP. Next, the City will prioritize vulnerabilities, develop adaptation strategies, create a detailed adaptation plan for the top 50 assets and a preliminary adaptation plan for the remaining assets, and inform the public about risks and adaptation opportunities.

This grant will enable the City of Hollywood to set itself up for success in addressing future flooding by funding the creation of an adaptation plan that clearly outlines how the most vulnerable and critical assets in the City need to be hardened, elevated, or otherwise adapted to protect them from these threats.

## **PROJECT NEED AND BENEFIT**

*This section should continue to explain the need for the project in the context of flooding, sea level rise, and their effects. See the Resilient Florida statute (<http://laws.flrules.org/2021/28>) for more information.*

## **A. Explain the demonstrated need(s) and how the project will address those needs.**

Hollywood already experiences flooding from sea level rise and rain events that exceed the stormwater system's designed level of service. Future projections show that these incidents will increase in frequency and intensity. Thus, Hollywood completed a city-wide vulnerability assessment in May 2020 evaluating threats from tidal, storm surge, and extreme precipitation flooding across a range of community assets. The assessment used the 2015 Southeast Florida Regional Climate Change Compact regional sea level rise projections, and examined 2035, 2050, 2075, and 2100. The storm surge assessment explored flood depths associated with a Category 3 storm surge plus sea level rise. For precipitation, the analysis looked at changes in trends and not flood depths.

The subsequent maps clearly demonstrated that if the City were not to take action, several square miles adjacent to the Intracoastal Waterway, land adjacent to tidally influenced waterways farther inland, and portions of the barrier island would be permanently flooded by 2100. While this information is useful, it was not derived using NOAA sea level rise projections nor the time horizons required by the State Statute. Hence, Hollywood's current data set cannot be integrated with those of other jurisdictions to provide a comprehensive illustration of the threats to Florida's landscape and collective assets.

A ranked list of critical assets based on vulnerability was provided with proposed adaptation strategies and estimated unit costs. However, more detail is needed for each asset to identify exactly what approaches should be used to fortify them.

The City does not have language in its current Comprehensive Plan addressing the Peril of Flood statute. The analyses associated with this statute have not been completed as of now.

Furthermore, the City is undertaking a comprehensive Stormwater Master Plan, which is ideally timed to leverage existing resources regarding flood modeling to ensure compliance with F.S. 380.093.

## **B. Explain how the proposed project fits into the Project Type(s) chosen above.**

The City needs to update its vulnerability assessment to comply with F.S. 380.093. This will include exposure and sensitivity analyses and a ranked critical asset inventory, which will identify specific critical assets needing adaptation. The timing of this update is ideal because the City is currently undertaking a comprehensive city-wide Stormwater Master Plan and will leverage data collection, modeling, technical expertise, and existing work of the Plan.

Given the broad flood risks to the City, it is important to examine tidal and storm surge flooding as well as rainfall-induced and compound flooding. The frequency of the various flood types is discussed in terms of recurrence intervals where it makes sense to do so. Some flood types, such as sea level rise contribute to increased frequency of other flood types, such as storm surge and tidal flooding. Projections of changes in frequency of most flood types are subject to uncertainty.

Leveraging the vulnerability assessment to comply with F.S. 380.093, the City plans to use the data and maps from the assessment to update its Comprehensive Plan and comply with Section 163.3178(2)(f). Analyses will be conducted and comprehensive plan language that satisfies the Peril of Flood requirements will be drafted and incorporated into the updated Plan. Hence, the City will also reach its goal of compliance with Section 163.3178(2)(f) of the Florida Statutes once this project is completed.

As part of the assessment and Comprehensive Plan update, the City will engage appropriate stakeholders and the general public. It is essential to any resilience study or plan to engage the community and obtain buy-in for potential adaptation projects.

The updated adaptation plan will provide the City with a roadmap for the design, permitting, and construction required to protect the top 50 assets identified in this vulnerability assessment that are eligible for physical adaptation.

**C. If the project is a Vulnerability Assessment for Peril of Flood compliance or other, please describe how the project will meet the outlined requirements for a Vulnerability Assessment under s. 380.093, F.S.**

This project will update and expand on the City's existing vulnerability assessment whose parameters were described in Section A above. The City will conduct exposure and sensitivity analyses for critical assets city-wide to:

1. rainfall-induced flooding using spatiotemporal analysis leveraging the ongoing SWMP,
2. tidal and high tide flooding from sea level rise using the 2017 NOAA Intermediate-Low and Intermediate-High projections for 2040 and 2070,
3. current and future storm surge flooding using the current NOAA 100-year storm surge flood event data as a model, and
4. compound flooding from combined sea level rise, storm surge, and rainfall.

Hollywood has been following HB7053/SB1940, which includes updated requirements for rainfall-induced flooding. The City plans to use the requirements in that new section of statute, should it pass and become law. The project team will use NAVD 88. The digital elevation model will be created from USGS 2018 LiDAR with a 5ft pixel and QL1 accuracy, 2017 LiDAR 0.5ft pixel resolution for eastern portions of Hollywood, and USGS 2018 LiDAR with a 0.5m/1.64ft resolution. These are the same LiDAR data being used for the City's SWMP. The resulting data and maps will elucidate the spatial extent and temporal frequency of each scenario to the extent practicable. Next the assets will be ranked by their vulnerability to these impacts. Since the City is currently undertaking a city-wide SWMP some of the modeling work, particularly for rainfall-induced flooding, will be leveraged for this Plan. This project will share the list of critical assets, data sets, and GIS shapefiles with the State.

The City has reviewed all of the required deliverables and guidelines for deliverables and intends to fully comply with all requirements outlined by the Department.



**D. If applicable, explain how the proposed project adapts critical assets to the effects of flooding and sea level rise as defined in s. 380.093, F.S.**

This project will create prioritized, detailed adaptation strategies for the most vulnerable and critical assets to ensure they are protected from flooding and sea level rise. Strategies include but are not limited to raising, hardening and modifying structures, as well as changing the City code and policies as deemed appropriate. The City will explore natural solutions alongside more traditional adaptation and hardening methods. Additional considerations will include cost, ease of implementation, and overall social, environmental, and economic resilience benefits. Assets identified for physical adaptations will be ready for the design, permitting and construction process once this assessment is completed.

Furthermore, the City will leverage the recently-passed General Obligation Bond to the extent practicable, which was specifically passed to address resilient infrastructure throughout the City.

The assets that will be examined for this project are:

- bridges on City-owned major roadways – new for this update
- City-owned major roadways – new for this update
- City marinas – new for this update
- wastewater treatment facilities and lift stations
- stormwater treatment facilities and pump stations
- drinking water facilities
- water utility conveyance systems
- disaster debris management sites
- community centers
- disaster recovery centers
- emergency operation centers
- fire stations
- assisted living facilities
- nursing homes
- law enforcement facilities
- local government facilities
- logistical staging areas – some new for this update
- affordable public housing – new for this update
- parks
- historical and cultural assets – new for this update

**E. Project Length**

No

**Vulnerability Assessment Status**

Yes

**Vulnerability Assessment Data Sharing**

Yes

**Page: Budget Information**

**Estimated total project cost**

\$800,000

**Grant funding amount requested**

\$800,000

**Cost-Share percentage available for the project**

\$0

**Cost-share source**

N/A

**COST-SHARE FUNDING SOURCES**

Other Funding Source Names

**Cost-share document upload**

No File Uploaded

**Budget Narrative Description**

Staff salaries and fringe are known. Staff hours were estimated based on the time spent on similar previously completed or ongoing projects. For example, the Environmental Sustainability Coordinator was the staff project manager for the original vulnerability assessment. Time spent on that endeavor was used to inform the amount of time that will be expected for this project. It is unknown which contractor will perform the services of this proposal. The City reached out to professionals who perform this work and asked them for a probable estimate of cost on a per task basis based on the services desired. Their estimates were utilized to develop the budget for the project.

**Work Performed by:**

Both the Grantee &amp; Sub-Contractor

**Salary Breakdown Table per Task**

All work performed on the project by the Grantee, must be included in this table. Continue to enter in information until all tasks with all personnel have been included.

**Salary Breakdown Table Per Task**

Positions

**Task #:** 3**Position Title:** Public Utilities Director**Maximum Whole Hours:** 8**Maximum Partial Hours:** 0.00**Maximum Hourly Rate:** 89.23**Fringe %:** 80.00%**Task #:** 3**Position Title:** Utilities Accounting Supervisor**Maximum Whole Hours:** 10

**Maximum Partial Hours:** 0.00  
**Maximum Hourly Rate:** 52.75  
**Fringe %:** 80.00%

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**Task #:** 3  
**Position Title:** Project Manager  
**Maximum Whole Hours:** 80  
**Maximum Partial Hours:** 0.00  
**Maximum Hourly Rate:** 45.26  
**Fringe %:** 80.00%

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**Task #:** 3  
**Position Title:** Accountant  
**Maximum Whole Hours:** 12  
**Maximum Partial Hours:** 0.00  
**Maximum Hourly Rate:** 27.29  
**Fringe %:** 80.00%

---

**Task #:** 3  
**Position Title:** Accounting Clerk  
**Maximum Whole Hours:** 10  
**Maximum Partial Hours:** 0.00  
**Maximum Hourly Rate:** 19.77  
**Fringe %:** 80.00%

---

**Task #:** 3  
**Position Title:** Environmental Sustainability Coordinator  
**Maximum Whole Hours:** 80  
**Maximum Partial Hours:** 0.00  
**Maximum Hourly Rate:** 36.78  
**Fringe %:** 80.00%

---

**Task #:** 4  
**Position Title:** Public Works Director  
**Maximum Whole Hours:** 5  
**Maximum Partial Hours:** 0.00  
**Maximum Hourly Rate:** 89.23  
**Fringe %:** 80.00%

---

**Task #:** 4

**Position Title:** Utilities Accounting Supervisor

**Maximum Whole Hours:** 7

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 52.75

**Fringe %:** 80.00%

---

**Task #:** 4

**Position Title:** Project Manager

**Maximum Whole Hours:** 10

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 45.26

**Fringe %:** 80.00%

---

**Task #:** 4

**Position Title:** Accountant

**Maximum Whole Hours:** 7

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 27.29

**Fringe %:** 80.00%

---

**Task #:** 4

**Position Title:** Accounting Clerk

**Maximum Whole Hours:** 7

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 19.77

**Fringe %:** 80.00%

---

**Task #:** 4

**Position Title:** Environmental Sustainability Coordinator

**Maximum Whole Hours:** 10

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 36.78

**Fringe %:** 80.00%

---

**Task #:** 4

**Position Title:** Planning Manager

**Maximum Whole Hours:** 10

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 50.42

**Fringe %:** 80.00%

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**Task #:** 4

**Position Title:** Planning Administrator

**Maximum Whole Hours:** 10

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 29.97

**Fringe %:** 80.00%

---

**Task #:** 5

**Position Title:** Public Works Director

**Maximum Whole Hours:** 15

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 89.23

**Fringe %:** 80.00%

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**Task #:** 5

**Position Title:** Utilities Accounting Supervisor

**Maximum Whole Hours:** 15

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 52.75

**Fringe %:** 80.00%

---

**Task #:** 5

**Position Title:** Project Manager

**Maximum Whole Hours:** 100

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 45.26

**Fringe %:** 80.00%

---

**Task #:** 5

**Position Title:** Accountant

**Maximum Whole Hours:** 16

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 27.29

**Fringe %:** 80.00%

---

**Task #:** 5

**Position Title:** Accounting Clerk

**Maximum Whole Hours:** 16

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 19.77

**Fringe %:** 80.00%

**Task #:** 5

**Position Title:** Environmental Sustainability Coordinator

**Maximum Whole Hours:** 100

**Maximum Partial Hours:** 0.00

**Maximum Hourly Rate:** 36.78

**Fringe %:** 80.00%

**Indirect %**

### **Sub-Contractor's Information**

All Sub-Contractors who will be performing work on this project, to be paid out using the requested funds from DEP, must be listed in the table below.

**Sub-contractor 1 Company Name**

TBD

**Sub-contractor 1 Contact Person Name**

**Sub-contractor 1 Title**

**Sub-contractor 1 Phone Number**

**Sub-contractor 1 Email Address**

**Sub-contractor 1 Address**

**Sub-contractor 1 Amount Table**

**Tasks**

Task #: 1  
Amount: \$20000

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Task #: 2  
Amount: \$95000

---

Task #: 3  
Amount: \$170000

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Task #: 4  
Amount: \$35000

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Task #: 5  
Amount: \$300000

---

Task #: 6  
Amount: \$120000

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Task #: 7  
Amount: \$20000

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**additionalSub2**

No

## Budget Breakdown by Phase

In order to get a clear understanding of the cost-breakdown for each component in this scope for funding consideration, we have broken out the basic phases of a long-term planning project to better understand the length and cost of each phase. This includes:

1. Outreach/Stakeholder Input\*
2. Peril of Flood Comprehensive Plan Amendments\*
3. **Critical Asset Inventory\***
4. **VA- Exposure Analysis\***
5. **VA- Sensitivity Analysis\***
6. VA- Other Analyses (up to 3)
7. Adaptation Plan\*
8. Contracting for GIS Services
9. Contracting for Modeling or Data Analysis
10. Surveying for Elevation Certificates
11. Administrative Expenses
12. Other (up to 3)

*\* indicates a required field. If the required field is NOT included in your scope, please input "0" for your responses.*

**Bolded items #3-5 must adhere to the statutory requirements outlined in [s. 380.093 F.S.](http://laws.flrules.org/2021/28) (<http://laws.flrules.org/2021/28>). A summary of requirements can be found [here](https://frcp.secure-platform.com/a/page/VulnerabilityAssessment_criteria) ([https://frcp.secure-platform.com/a/page/VulnerabilityAssessment\\_criteria](https://frcp.secure-platform.com/a/page/VulnerabilityAssessment_criteria)).**

Item #6, "VA- Other Analysis", allows you to include modeling that is outside of the statutory required analysis that items #3-5 cover. You may add up to 3 separate entries within this question, covering up to 3 additional types of modeling (examples include social analysis, economic analysis, habitat modeling, etc.).

If a phase is included in your scope that does not fall under items 1-11, please use item #12 "Other" to input this phase.

Note: This section is intended to provide us with a budget breakdown and does not have to dictate how you arrange your project's tasks in the Tasks & Deliverables section.

**Please look closely at the phase option within each field offered.**

### Budget Information per Planning Phase (1 Outreach)

Planning Phase

**Outreach Phase:** Outreach/Stakeholder Input

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### Budget Information per Planning Phase (2 POF)

Planning Phase

**POF Comp Plan Amendments:** Peril of Flood- Comprehensive Plan Amendments

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**Budget Information per Planning Phase (3 Asset Inventory)**

Planning Phase

**Critical Asset Invenotry:** Critical Asset Inventory

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**Budget Information per Planning Phase (4 Exposure Analysis)**

Planning Phase

**Vulnerability Assessment Exposure Analysis:** Vulnerability Assessment- Exposure Analysis

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**Budget Information per Planning Phase (5 Sensitivity Analysis)**

Planning Phase

**Vulnerability Assessment Sensitivity Analysis:** Vulnerability Assessment- Sensitivity Analysis

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**Budget Information per Planning Phase (6 Other Analyses)**

Planning Phase

**Other Analaysis:** Vulnerability Assessment- Other Modeling

---

**Budget Information per Planning Phase (7 Adaptation Plan)**

Planning Phase

**Adaptation Plan:** Adaptation Plan

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**Budget Information per Planning Phase (8 Contracting GIS)**

Planning Phase

---

**Budget Information per Planning Phase (9 Contracting for Modeling)**

Planning Phase

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**Budget Information per Planning Phase (10 Survey Costs)**

Planning Phase

**Budget Information per Planning Phase (11 Admin Staff Hours)**

Planning Phase

**Administrative Expenses for Staff Time:** Administrative Expenses

**Budget Information per Planning Phase (12 Other)**

Planning Phase

**Page: Tasks & Deliverables**

**PROJECT TIMELINE with**  
**TASKS & DELIVERABLES DETAILS**

*This is where each task is listed with the title, due date for submission of all deliverables by task, and total of task funding amount requested. **To avoid late submittals and financial consequences, be sure to allow enough time for submitting deliverables.***

Details for each task to include:

- Title,
- Goal,
- Description,
- Listing of deliverables,
- Total task amount, and
- Budget category (who will be performing the work, grantee and/or contractor)

**Project Timeline Chart**

Task #s

**A. Task#: 1**

**B. Task Title:** Initial Stakeholder Engagement

**C. Task Goal:** Provide an opportunity for key stakeholders and the general public to understand the goals and purpose of the vulnerability assessment and Comprehensive Plan Amendments.

**D. Task Description:** A consultant will conduct two (2) public workshops to explain the goals of the Comprehensive Plan Update and Vulnerability Assessment Update.

**E. Task Deliverable(s) 1:**

Kick-Off Meetings

{62d790af-954d-4953-a300-55b056db9101}

{5307e474-2808-4d85-be59-5e9c0ee76c9f}

{f5af7cc6-8e9f-40ee-9f21-f7d7ef9c3107} {4d304b61-4852-4691-bacd-99624f592b44}

{45ab846d-413e-4840-afc1-6911f8e93d71} {ba41230b-ab12-41b8-b2f4-da80a22bb93f}

**F. Task Due Date:** 9/30/2022  
**G. Total Task Amount:** 20000  
**H. Task Budget Category:** Sub-Contractor Only (CS)

---

**A. Task#:** 2

**B. Task Title:** Data Collection

**C. Task Goal:** Collect the necessary data for the needed analyses.

**D. Task Description:** A consultant will collect the necessary data to perform the city-wide vulnerability assessment, develop the needed data for the Peril of Flood Comprehensive Plan Amendments, and critical asset detailed vulnerability analysis. The data will be from publicly available and City sources. Additional data will be collected as needed. This work also leverages the City's significant investment (> \$1M) in the comprehensive Stormwater Master Plan.

**E. Task Deliverable(s) 1:**(1) List of data and datasets collected

(2) GIS files of appropriate data to share with the Department for compliance with F.S. 380.093  
Other (1) List of data and datasets collected

(2) GIS files of appropriate data to share with the Department for compliance with F.S. 380.093

{62d790af-954d-4953-a300-55b056db9101}

{5307e474-2808-4d85-be59-5e9c0ee76c9f}

{f5af7cc6-8e9f-40ee-9f21-f7d7ef9c3107} {4d304b61-4852-4691-bacd-99624f592b44}

{45ab846d-413e-4840-afc1-6911f8e93d71} {ba41230b-ab12-41b8-b2f4-da80a22bb93f}

**F. Task Due Date:** 1/31/2023

**G. Total Task Amount:** 95000

**H. Task Budget Category:** Sub-Contractor Only (CS)

---

**A. Task#:** 3

**B. Task Title:** Vulnerability Assessment Update

**C. Task Goal:** Update the City's vulnerability assessment to comply with 380.093.

**D. Task Description:** A consultant will conduct exposure and sensitivity analyses of the critical assets identified during the data collection phase and perform a city-wide vulnerability assessment for tidal, storm surge, rainfall-induced, and compound flooding, updating the existing assessment to comply with 380.093. City staff time is requested to support the assessment.

**E. Task Deliverable(s) 1:**

Vulnerability Assessment Report

Critical Asset Inventory List {62d790af-954d-4953-a300-55b056db9101}

GIS Shapefiles {5307e474-2808-4d85-be59-5e9c0ee76c9f}

{f5af7cc6-8e9f-40ee-9f21-f7d7ef9c3107} {4d304b61-4852-4691-bacd-99624f592b44}

{45ab846d-413e-4840-afc1-6911f8e93d71} {ba41230b-ab12-41b8-b2f4-da80a22bb93f}

**F. Task Due Date:** 5/31/2023

**G. Total Task Amount:** 185000

**H. Task Budget Category:** Both the Grantee & Sub-contractor

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**A. Task#:** 4

**B. Task Title:** Peril of Flood Comprehensive Plan Amendments

**C. Task Goal:** Update the City's Comprehensive Plan to include Peril of Flood amendments.

**D. Task Description:** A consultant will perform the analysis necessary to support the statutory

requirements of the Peril of Flood Comprehensive Plan Amendments. A consultant will also provide clear updates to the Comprehensive Plan to comply with the Peril of Flood statutory requirements. City staff time is requested to support the assessment.

**E. Task Deliverable(s) 1:**

Peril of Flood- Comprehensive Plan Amendment Language

GIS Shapefiles {62d790af-954d-4953-a300-55b056db9101}

{5307e474-2808-4d85-be59-5e9c0ee76c9f}

{f5af7cc6-8e9f-40ee-9f21-f7d7ef9c3107} {4d304b61-4852-4691-bacd-99624f592b44}

{45ab846d-413e-4840-afc1-6911f8e93d71} {ba41230b-ab12-41b8-b2f4-da80a22bb93f}

**F. Task Due Date:** 7/31/2023

**G. Total Task Amount:** 40000

**H. Task Budget Category:** Both the Grantee & Sub-contractor

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**A. Task#: 5**

**B. Task Title:** Critical Asset Detailed Vulnerability Analysis

**C. Task Goal:** Perform a detailed vulnerability and adaptation analysis on the City's most critical assets.

**D. Task Description:** A consultant will perform a detailed vulnerability analysis on the top 50 most critical assets for the City of Hollywood and identify which specific parts of the critical assets (parts or portions) are most vulnerable. The analysis will also detail how best to reduce or eliminate the vulnerability to flooding for each asset. City staff time is requested to support the analysis.

**E. Task Deliverable(s) 1:**(1) A report summarizing the findings of the analysis

(2) A list of critical assets reviewed and the adaptation recommendations with cost estimates for each asset

Other (1) A report summarizing the findings of the analysis

(2) A list of critical assets reviewed and the adaptation recommendations with cost estimates for each asset

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{5307e474-2808-4d85-be59-5e9c0ee76c9f}

{f5af7cc6-8e9f-40ee-9f21-f7d7ef9c3107} {4d304b61-4852-4691-bacd-99624f592b44}

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**F. Task Due Date:** 11/30/2023

**G. Total Task Amount:** 320000

**H. Task Budget Category:** Both the Grantee & Sub-contractor

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**A. Task#: 6**

**B. Task Title:** Adaptation Plan

**C. Task Goal:** Develop an adaptation plan for the City as a whole and specific critical assets.

**D. Task Description:** A consultant will develop a detailed adaptation plan for the City, providing a clear prioritized list of critical assets that require adaptation to reduce the vulnerabilities and risks associated with flooding. The top 50 assets will have detailed recommendations that specify the best adaptation strategies to protect them. Assets that can be hardened, elevated, or otherwise physically adapted to reduce or eliminate flood risk will have sufficiently detailed plans to be ready for subsequent design, permitting and construction. The lower ranked assets will have preliminary adaptation recommendations that the City can use to prioritize projects for future detailed analysis and, where relevant, preparation for the design, permitting and construction phases to adapt them to future conditions.

**E. Task Deliverable(s) 1:**

Adaptation Plan

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**F. Task Due Date:** 3/31/2024

**G. Total Task Amount:** 120000

**H. Task Budget Category:** Sub-Contractor Only (CS)

**A. Task#: 7**

**B. Task Title:** Final Stakeholder Engagement

**C. Task Goal:** Provide an opportunity for key stakeholders and the general public to provide final input.

**D. Task Description:** A consultant will conduct two (2) public workshops to allow for final feedback regarding the vulnerability assessment, critical asset analysis, and adaptation plan. The Comprehensive Plan Amendments will also be discussed. Stakeholder feedback will be used to inform the final products where it is feasible to do so.

**E. Task Deliverable(s) 1:**

General Workshops/Meetings

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**F. Task Due Date:** 5/31/2024

**G. Total Task Amount:** 20000

**H. Task Budget Category:** Sub-Contractor Only (CS)

**Page: Certification Page**

**Grant Applicant's Certification Statement**

"By signing this Statement page, the undersigned certifies that:

- a. This application is in all respects fair and submitted in good faith without collusion or fraud;
- b. If selected through this application process, the recipient will work in good faith and in partnership with the Resilient Florida Program (RF) to manage its subcontractors in a timely and accurate manner;
- c. Any funds awarded as a result of this application process will not be used as matching funds to apply for or receive other state funds;
- d. The undersigned has full authority to bind the applicant."

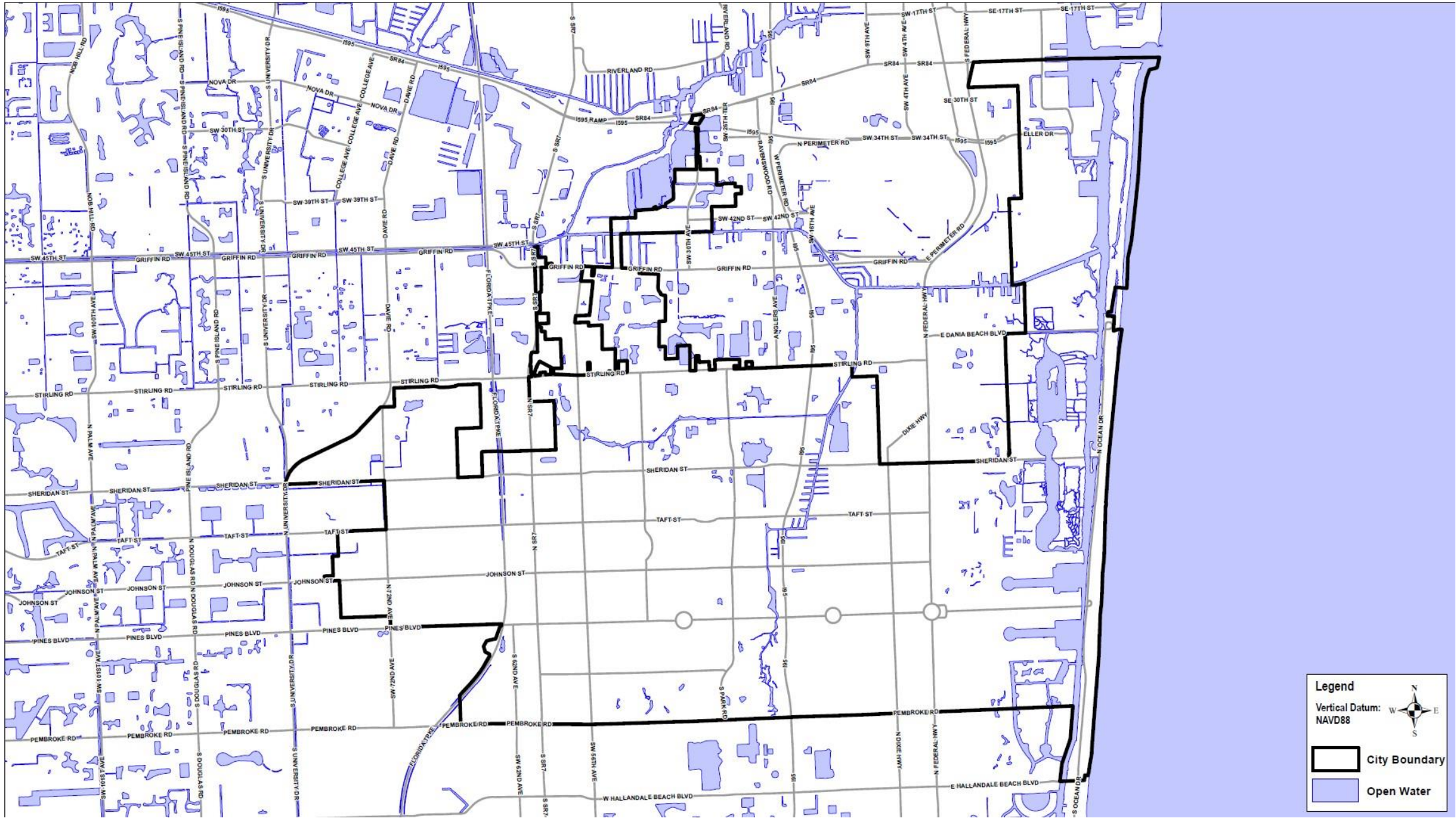
Please be advised that the selection of the checkboxes below are acting as a signature box on your behalf, as indicated in the field titles.

**Grantee's Authorized Signer's Name**

Vivek Galav

**Do you Agree to the Certification Statement?**



I agree



**Legend**

Vertical Datum:  
NAVD88



-  City Boundary
-  Open Water