

**AMENDMENT NO. 1
TO AGREEMENT NO. R1814
BETWEEN
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AND
CITY OF PUNTA GORDA**

This Amendment to Agreement No. R1814 (Agreement) is made by and between the Department of Environmental Protection (Department), an agency of the State of Florida, and City of Punta Gorda, 126 Harvey Street, Punta Gorda, FL 33950 (Grantee), on the date last signed below.

WHEREAS, the Department entered into the Agreement with the Grantee to provide technical review of the draft Plan Update and the Living Shoreline Element and will assist with the public outreach workshops, effective January 14, 2019; and

WHEREAS, the parties wish to amend the Agreement as set forth herein, to modify Special Terms and Conditions and the Grant Work Plan to accommodate changes in the Grantee's project description and deliverable deadlines, while maintaining overall grant awarded amount.

NOW THEREFORE, the parties agree as follows:

- 1) Paragraph 3.a. of Attachment 2, Special Terms and Conditions is hereby deleted in its entirety and replaced with the following:
Compensation. This is a fixed price Agreement. The Grantee shall be compensated under this Agreement as described in Attachment 3.
- 2) Paragraph 4 of Attachment 2, Special Terms and Conditions is hereby deleted and replaced with the following:
RESERVED.
- 3) The due date for Task 4, on Attachment 3, Grant Work Plan, is changed to June 30, 2019.
- 4) Exhibit C, Payment Request Summary Form, is hereby deleted in its entirety and replaced with Exhibit C-1, Revised Payment Request Summary Form, as attached to this Amendment and hereby incorporated into the Agreement. All references in the Agreement to Exhibit C shall hereinafter refer to Exhibit C-1, Revised
- 5) All other terms and conditions of the Agreement remain in effect. If and to the extent that any inconsistency may appear between the Agreement and this Amendment, the provisions of this Amendment shall control.

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The parties agree to the terms and conditions of this Amendment and have duly authorized their respective representatives to sign it on the dates indicated below.

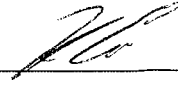
City of Punta Gorda

**Florida Department of
Environmental Protection**

By: _____



By: _____



Date: _____

6/6/2019

Date: _____

06/13/19

LIST OF ATTACHMENTS/EXHIBITS INCLUDED AS PART OF THIS AMENDMENT:

<u>Specify Type</u>	<u>Letter/Number</u>	<u>Description</u>
Exhibit	C-1	Revised Payment Request Summary Form

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EXHIBIT C-1
PAYMENT REQUEST SUMMARY FORM

DEP Agreement No. R1814

Payment Request No. _____ Request Date: _____

Grantee's Grant Manager Name: Joan LeBeau

Grantee Name & Mailing City of Punta Gorda

Address for Payment: 126 Harvey Street

Punta Gorda, FL 33950

Task No. _____ Total Amount(s) Requested: _____

Performance Period - Date Range: _____

GRANT EXPENDITURES SUMMARY SECTION

	BUDGETED AMOUNT	AMOUNT OF THIS REQUEST	PAYMENTS RECEIVED	REMAINING AMOUNT
Fixed Price				\$ -
TOTALS	\$ -	\$ -	\$ -	\$ -

GRANTEE CERTIFICATION

1. The disbursement amount requested is for allowable costs for the project described in Attachment 3 of the Agreement.
2. All costs included in the amount requested have been satisfactorily performed, received, and applied toward completing the project; such costs are documented by invoices or other appropriate documentation as required in the Agreement.
3. The Grantee has paid such costs under the terms and provisions of contracts relating directly to the project; and the Grantee is not in default of any terms or provisions of the contracts.

Grantee's Grant Manager's Signature

Grantee's Fiscal Agent Signature

Print Name

Print Name

Telephone Number

Telephone Number

DO NOT ATTEMPT TO MODIFY THIS FORM

Note: Shaded areas auto calculate.

DEPARTMENT OF ENVIRONMENTAL PROTECTION
FLORIDA COASTAL MANAGEMENT PROGRAM

INSTRUCTIONS FOR COMPLETING
EXHIBIT C

GRANTEE: Enter the name of the grantee's agency.

MAILING ADDRESS: Enter the address to which you want the state warrant (payment) sent.

DEP AGREEMENT NO.: This is the number on your grant agreement that starts with R###.

DATE OF REQUEST: This is the date you are submitting the report to DEP.

TOTAL AMOUNT REQUESTED: This should match the amount on the "*TOTAL AMOUNT*" line for the "*AMOUNT OF THIS CLAIM*" column.

GRANTEE'S GRANT MANAGER: This is the person identified as grant manager in the grant agreement.

PAYMENT REQUEST NO.: This is the number of your payment request, not the quarter number.

PERFORMANCE PERIOD: This is the beginning and ending date of the reporting period requesting reimbursement for.

TASK NO.: Enter the number of the TASK for which you are requesting payment.

GRANT EXPENDITURES SUMMARY SECTION:

"AMOUNT OF THIS REQUEST" COLUMN: Enter the amount that was paid out for all listed tasks during the invoice period for which you are requesting reimbursement.

This must be by budget category as in the currently approved budget in Attachment 3 (Project Work Plan), or amendment of your grant Agreement.

Do not claim expenses in a budget category that does not have an approved budget.

Do not claim items that are not specifically identified in the current Budget section of Attachment 3.

NOTE: Shaded areas are auto calculated.

Enter the total amount budgeted as approved in Attachment 3 in the "*BUDGETED AMOUNT*" line.

Enter the amount of this request as approved in Attachment 3 in the "*AMOUNT OF THIS REQUEST*" line.

Enter the total cumulative amount of this request and all previous payments on the "PAYMENTS RECEIVED" line.

The amount for the "REMAINING AMOUNT" line, will automatically calculate and populate.

GRANTEE CERTIFICATION: Must have the original signature of both the Grantee's Grant Manager and the Grantee's Fiscal Agent as identified in the grant agreement.

Required Back-up Documentation for each Deliverable:

Completed Exhibit C showing requested funds for payment.

Completed Exhibit A (Progress Report) showing requested task to be 100% completed, for requested funds.

**STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
GRANT WORK PLAN
DEP AGREEMENT NO.: R1814**

ATTACHMENT 3

Project Title: City of Punta Gorda Climate Adaptation Plan Update & Living Shoreline Element

Grantee Contact Information:

Organization Name: City of Punta Gorda
Chief Elected Official or Agency Head: Rachel Keesling
Title: Mayor
Address: 326 W. Marion Avenue
City: Punta Gorda FL
Zip Code: 33950
Area Code and Telephone Number: 941-575-3369
E-mail Address: CityCouncil@Ci.Punta-Gorda.FL.US

Grant Manager Contact Information:

Organization Name: City of Punta Gorda
Chief Elected Official or Agency Head: Joan F. LeBeau
Title: Urban Design Manager
Address: 126 Harvey Street
City: Punta Gorda FL
Zip Code: 33950
Area Code and Telephone Number: 941-575-3311
E-mail Address: jlebeau@cityofpuntagordafl.com

Fiscal Agent Contact Information:

Organization Name: City of Punta Gorda
Chief Elected Official or Agency Head: Kristin Simeone
Title: Interim Finance Director
Address: 326 W. Marion Avenue
City: Punta Gorda FL
Zip Code: 33950
Area Code and Telephone Number: 941-575-3345
E-mail Address: ksimeone@cityofpuntagordafl.com

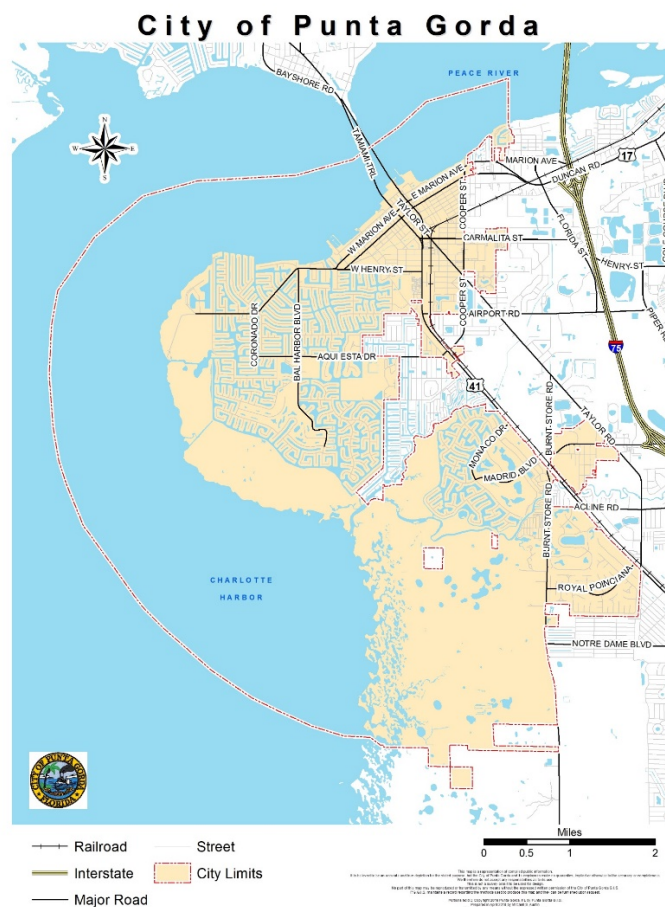
Mailing Address for Reimbursement (If other than Grantee Address):

Finance Department
326 W. Marion Avenue
Punta Gorda, FL 33950

FEID No.: 59-6000415

DUNS No.: 040215121

PROJECT LOCATION: The City of Punta Gorda is located on the southwestern coast of Florida about one hundred (100) miles south of Tampa and twenty-five (25) miles north of Fort Myers in Charlotte County. It is south of the confluence of the Peace River and the Myakka River, on Charlotte Harbor. A map is provided for location.



WORK PLAN

1. Project Abstract:

The City of Punta Gorda has been proactively planning for the impacts from climate change and sea level rise since approving a Vulnerability Study and a Climate Adaptation Plan (Plan) in 2009, will be continuing their resiliency planning. Over the nearly 10 years since the plans adoption the City has undertaken actions which have increased the resiliency of the City and its infrastructure. Currently the City is participating in a collaborative public private partnership to develop a living shoreline project on a portion of the existing hardened shoreline along the City's Harborwalk. The Charlotte Harbor National Estuary Program, one of the entities who assisted with the drafting of the City of Punta Gorda's initial Climate Adaptation Plan, will be working with the City to provide technical review of the draft Plan Update and the Living Shoreline Element and will assist with the public outreach workshops. An action-oriented update to the 2009 Climate Adaptation Plan and the addition of a Living Shoreline Element is needed for the City to further address the risks posed by tropical storm/hurricane flooding, climate change, and sea level rise. The completed documents will provide a roadmap of strategic goals and policies for future nature-based shoreline projects and improvements increasing the resiliency of the City from threats posed by future storm events and sea level rise.

2. Project Description:

The City of Punta Gorda is seeking to update the 2009 Punta Gorda Climate Adaptation Plan and provide a Living Shoreline Element by submitting for the Priority Area 3: Vulnerability Assessments, Adaptation Plans or Resilience Plans of the 2018-2019 Florida Resilient Coastlines Program Resiliency Planning Grant. Since the approval of the City's Plan, the City has undertaken actions which have increased the resiliency of the City and its infrastructure. As a result of this planning, the City's proactive stance resulted in concrete projects that assist in protecting the City's shoreline (installation of an oyster reef pilot project) and reducing tidal flooding (installation of tidal flex valves in the stormwater management system in the historic downtown to reduce "blue sky" tidal flooding). An action-oriented update to the 2009 Climate Adaptation Plan and the addition of a Living Shoreline Element is needed for the City to further address the risks posed by tropical storm/hurricane flooding, climate change, and sea level rise.

The City's accomplishments have only been possible by forming collaborative public private partnerships to achieve a variety of projects. Thru various partnerships the City has completed the 2009 Vulnerability Study and the Climate Adaptation Plan, assisted with a Coastal Resilience Decision Support Tool with TNC, worked with the University of Florida Conservation Clinic on Sea Grant Sea Level Rise Outreach Project on a model sea level rise Goal Objectives and Policies for local municipalities. In 2017 the City formed a new partnership with The Nature Conservancy, Four Points by Sheraton, Charlotte Harbor National Estuary Program, Charlotte Harbor Aquatic Preserve, and Jacobs Engineering with a focus on creating a living shorelines project along an existing hardened shoreline along a portion of the City's Harborwalk, a pedestrian path along the Charlotte Harbor. This project is intended to serve as a model for similar nature-based shoreline improvements throughout the City and beyond.

In order to ensure the continued success of such projects the City is seeking assistance in developing an update to the 2009 Punta Gorda Climate Adaptation Plan and the creation of a Living Shoreline Element. A vital part of this plan will be to provide specific goals, objectives, and policies that will serve as a framework to enhance the natural habitat, improve water quality, and provide increased coastal resilience in the region through conceptual designs of the first living shorelines in Charlotte Harbor. As a model for the region, this Plan Update and the Living Shoreline Element are intended to provide an example of public-private partnership approach to project development. The Plan Update and the Living Shoreline Element identifies the application of multiple benefits and components of a living shoreline system that may be considered on other projects in the Charlotte Harbor area, recognizing that each project will require analysis and design that considers the unique needs and objectives of the local area. In addition, regulatory permitting requirements for the proposed living shorelines and potential funding sources, including state and federal grants, will be provided.

3. **Budget Summary:**

	Grant
AGREEMENT TOTAL	\$ 74,968.00

TOTAL GRANT FUNDS

Categories	Task 1	Task 2	Task 3	Task 4	Task 5	TOTAL
Contractual	10,624.48	23,000.00	15,241.56	20,102.55	6,000.00	\$74,968.59
SUB-TOTAL BY TASK	\$10,624.48	\$23,000.00	\$15,241.56	\$20,102.55	\$6,000.00	\$74,968.59

4. **Project Timeline:**

TaskNo.	Task or Deliverable Title	Task Start Date	Task End Date	Deliverable Due Date	Estimated Task Amount
1	Summary Background & Review of Information –	01/15/2019	02/15/2019	02/25/2019	10,624.48
2	Vulnerability Analysis	02/15/2019	03/15/2019	03/25/2019	23,000.00
3	Stakeholder Engagement & Project Coordination	03/15/2019	03/30/2019	04/09/2019	15,241.56
4	Climate Adaptation Plan Update and Living Shoreline Element	03/30/2019	05/19/2019	05/29/2019	20,102.55
5	Funding Alternatives	05/19/2019	05/31/2019	06/09/2019	6,000.00
	TOTAL				\$74,968.59

Tasks & Deliverables

Task 1: Summary Background & Review of Information

Description: The Consultant will review the 2009 City of Punta Gorda's Climate Adaptation Plan and identify the currently outlined infrastructure vulnerabilities and adaptation strategies. Consultant will also review the City's Comprehensive Plan to identify potential inconsistencies and/or overlaps between the language provided in the two plans.

It will be necessary to review the City and County available GIS and property appraisal database and delineate data within the Punta Gorda city limits to develop a framework for future GIS-based inventory of the City's Infrastructure assets. It should include the relevant asset information pertaining to the City's infrastructure identified in the 2009 Plan and include any new development since the 2009 Plan completion. The City has a summary of the progress to date on implementing the 2009 Plan strategies relative to City projected milestones, however it would be beneficial to have an independent consultant review these strategies.

Meet with City staff to review findings and discuss areas of greatest vulnerability and related City concerns. Needs to include a field visit of the Punta Gorda sites. Staff will guide the group to evaluate City-identified vulnerabilities. Some field work may be required such as: collection of measurements and photo documentation sufficient for developing adaptation strategies for subsequent tasks.

Deliverables: A Summary Report of the Findings of the past reports: Summary memo will examine the GIS-based aerial graphic summarizing the analysis results. This review will provide a framework on which the consultant will be able to assist the City in developing new strategies that would: identify what vulnerabilities still need to be addressed; help assess adaptive capacities, and assist the City to continue planning for resilience to sea level rise, coastal/tidal flooding, coastal erosion, and shifting ecosystems using GIS Data and property appraisal database to identify infrastructure protection needs of development to date.

Due Date: 02/25/2019

Funding Amount: \$10,624.48

Performance Measure: The City will review the deliverable(s) to ensure it meets the specifications provided in the Task Description, above and that the summary includes adaptive capacities that will enable planning for resilience to sea level rise, coastal/tidal flooding, coastal erosion, and shifting ecosystems. By using GIS Data and property appraisal database the identification of infrastructure protection needs of development to date will be provided.

Task 2: Vulnerability Analysis:

In order to update the 2009 Plan, the latest available sea level rise projections published by the International Panel for Climate Change (IPCC) will need to be included. Consultant will need to identify vulnerability thresholds and then review those thresholds with City staff. Will need to use vertical elevations from the GIS database developed and collected under Task 1 and the updated sea level rise projections to qualitatively project and delineate areas of vulnerability. Evaluate and define the degree of vulnerability. Further detailed analysis of specific infrastructure and assets may be evaluated and refined under subsequent work assignments. This analysis will provide vulnerability threshold criteria and classify vulnerable assets, including.

- A matrix of vulnerable assets and appropriate flood protection options (similar to the one in the 2009 Plan).
- Prioritized vulnerable areas (vulnerability will be prioritized with a combination of criticality and economic impact) with a focus on public infrastructure and adding private infrastructure elements as feasible (similar to the one in the 2009 Plan).

Deliverables: Summary Technical Memo of Vulnerability Analysis: This technical memo will include a review of the 2009 Vulnerability Assessment in comparison the the latest available sea level rise projections published by the International Panel for Climate Change (IPCC). Using the vertical elevations from the GIS database developed and collected under Task 1 and the updated sea level rise projections from the IPCC, areas of vulnerability will delineatedand infrastructure assets identified.

Due Date: 03/25/2019

Funding Amount: \$23,000

Performance Measure: The Department will review the deliverable(s) to ensure it meets the specifications provided in the Task Description, above.

Task 3: Stakeholder Engagement & Project Communication:

Consultant will need to participate in bi-weekly progress meetings with City staff for up to 15one-hour phone calls. The City has several pro-active citizen groups and staff would like to involve them in this project. Staff will provide a list of those citizens, businesses and other groups that will need to be included in some form of public outreach forums and public workshop project milestones. The Charlotte Harbor National Estuary Program working with City staff will assist with organizing, hosting, and assisting facilitation of a public workshop to review the identified vulnerabilities, adaptation strategies being developed as part of the 2009 Climate Adaptation Plan Addendum. In preparation for public workshops, consultant will prepare graphics, handouts and presentations as necessary to articulate project goals and objectives. The consultant will participate in the workshop and assist with collating the public comments and feedback received afterwards.

Deliverables: Stakeholder Outreach Plan, Public Workshop Materials, Workshop Summary: The Consultant will work with the Charlotte Harbor National Estuary Program to prepare for and assist the City to conduct one public workshop to review the identified vulnerabilities, adaptation strategies being developed as part of the 2009 Climate Adaptation Plan Addendum. The purpose of this outreach effort is to assist the City in facilitating open project communication, provide details regarding plan updates, and invite public feedback which may be used to refine the plan addendum. In preparation for public workshops, the consultant will prepare graphics, handouts and presentations as necessary to articulate project goals and objectives. Following the meeting, the consultant will

collate the public comments and feedback received for both the City and the Charlotte Harbor National Estuary Program to review.

Due Date: 04/09/2019

Funding Amount: \$15,241.56

Performance Measure: The Department will review the deliverable(s) to ensure it meets the specifications provided in the Task Description, above.

Task 4: Climate Adaptation Plan Update

Prepare Addendum of the 2009 Climate Adaptation Plan consisting of:

- An executive summary of the Addendum;
- Summary of the City's progress to date, include notes from the two public meetings and material presented
- Description of the updated sea level rise projections, utilizing maps showing at two sea level rise scenarios in conjunction with high tide events, storm surge, flash floods, and stormwater runoff
- Tabular summary of vulnerable infrastructure and associated economic impacts for the most critical infrastructure
- Identify those adaptation strategies and provide guidance on implementation of those strategies over recommended/predefined – short, intermediate, and long-term timelines.
- Develop of matrix of adaptation strategies, including relevant previously identified strategies from the 2009 Plan,
- Expand the plan update to include a living shorelines element to include
 - background information on living shoreline alternatives
 - basic site selection guidelines general design and monitoring criteria
 - Site prioritization scheme that includes documentation of Living Shoreline types, cost estimates, site applicability for types
 - Provide technical appendices that address the previous deliverables
 - Outline the application of the engineering guidelines to the types of living shorelines projects identified within the Living Shoreline Element,
 - Excerpts of design manuals and other technical resources used in production of the document.
 - provide recommendations regarding climate resiliency goals and objectives for inclusion into the City's Coastal Management Element of the 2040 Comprehensive Plan
 - the finished assessments and/or plans
 - development of a protocol for analysis of current shoreline types and condition and results of the analysis of the City's shorelines
 - discussion of the parameters critical for the design of living shoreline projects
 - identify methods for determining design parameters
 - an analysis of regulatory requirements and how they may impact or assist in the development of a project (ie mangrove maintenance, small tooth sawfish habitat)
- Submit a final report to the City.
- The Charlotte Harbor National Estuary Program, one of the entities who assisted with the drafting of the City of Punta Gorda's initial Climate Adaptation Plan, working with City staff will provide technical review of the draft Climate Adaptation Plan Update and the Living Shoreline.

Deliverables: Completed revised Climate Adaptation Plan: The Consultant will provide a draft addendum to the 2009 Climate Adaptation Plan which will include the the above items, including a living shorelines element. The Consultant will qualitatively evaluate a collection of adaptation strategies to address multiple degrees of vulnerability. They will identify those adaptation strategies and provide guidance on implementation of those strategies over recommended/predefined – short, intermediate, and long-term timelines. They will also develop a matrix of adaptation strategies, including relevant previously identified strategies from the 2009 Plan, and expand the plan update to include living shorelines. As part of the new report background information on living shoreline alternatives, basic site selection guidelines and general design and monitoring criteria will be included. As part of the addendum, recommendations will be included regarding climate resiliency goals and objectives for inclusion

into the City's Coastal Management Element of the 2040 Comprehensive Plan. Once reviewed by the both the City and the Charlotte Harbor National Estuary Program, a final report will be provided to the City.

Due Date: 05/29/2019

Funding Amount: \$20,102.55

Performance Measure: The Department will review the deliverable(s) to ensure it meets the specifications provided in the Task Description, above.

Task 5: Funding Alternative Report:

External Funding Support is an important component of City Plans for comprehensive adaptation to ongoing climate adaptation challenges. Consultant will research and compile available funding sources and/or grant opportunities to assist the City in future implementation of climate resiliency plans. Consultant will prepare a list of funding sources in tabular format summarizing the type of funding, source, projected potential value, cost share details, deadlines and potential application requirements.

Deliverables: Technical memo listing external funding opportunities: As the final draft is being completed, the consultant will research and compile available funding sources and/or grant opportunities to assist the City in future implementation of climate resiliency plans. The information will ne compiled in tabular format summarizing the type of funding, source, projected potential value, cost share details, deadlines and potential application requirements.

Due Date: 06/09/ 2019

Funding Amount: \$6,000

Performance Measure: The Department will review the deliverable(s) to ensure it meets the specifications provided in the Task Description, above.