



MEMORANDUM
City of St. Petersburg City Council
Meeting of November 21, 2016

To: The Honorable Amy Foster, Chair and Members of City Council

Date: November 2, 2016

Subject: A RESOLUTION OF THE ST. PETERSBURG CITY COUNCIL APPROVING A SUPPLEMENTAL APPROPRIATION IN THE AMOUNT OF \$250,000 FROM THE UNAPPROPRIATED BALANCE OF THE GENERAL FUND (0001), DERIVED OF SETTLEMENT FUNDS FROM THE 2010 DEEPWATER HORIZON OIL SPILL (BP SETTLEMENT), TO THE MAYOR'S OFFICE (0001-020) TO DEVELOP AN INTEGRATED SUSTAINABILITY ACTION PLAN (ISAP); AND PROVIDING AN EFFECTIVE DATE

AND

A RESOLUTION OF THE CITY COUNCIL OF ST. PETERSBURG, FLORIDA APPROVING THE RECOMMENDATION OF THE ENERGY, NATURAL RESOURCES, AND SUSTAINABILITY COMMITTEE TO MAKE A SUPPLEMENTAL APPROPRIATION OF \$300,000 FROM THE UNAPPROPRIATED BALANCE OF THE GENERAL FUND (0001), DERIVED OF SETTLEMENT FUNDS FROM THE 2010 DEEPWATER HORIZON OIL SPILL (BP SETTLEMENT), TO THE MAYOR'S OFFICE (0001-020) FOR THE VULNERABILITY ASSESSMENT AND RESILIENCY PLANNING PARTNERSHIP PROJECT WITH PINELLAS COUNTY FROM \$1,000,000 OF BP SETTLEMENT FUNDS PREVIOUSLY RESERVED TO DEVELOP AND ESTABLISH A CLIMATE ACTION AND RESILIENCY PLAN; AND PROVIDING AN EFFECTIVE DATE.

AND

A RESOLUTION OF THE ST. PETERSBURG CITY COUNCIL APPROVING A SUPPLEMENTAL APPROPRIATION IN THE AMOUNT OF \$250,000 FROM THE UNAPPROPRIATED BALANCE OF THE GENERAL FUND (0001), DERIVED OF SETTLEMENT FUNDS FROM THE 2010 DEEPWATER HORIZON OIL SPILL (BP SETTLEMENT), TO THE MAYOR'S OFFICE (0001-020) FOR PRELIMINARY STUDIES TO CONDUCT AN ENERGY EFFICIENCY ANALYSIS & RETROFITS ANALYSIS; AND PROVIDING AN EFFECTIVE DATE

Background

In July 2016, \$1 million of the BP Settlement was earmarked for climate action and resiliency/adaptation planning after Budget, Finance, and Taxation (BFT) Committee forwarded the recommendation to City Council for the ENRS Committee to discuss the related scopes of work in more detail. Since that time, there has been work and collaboration with city staff, regional partners, and community members to develop scopes of work to better explain how the \$1 million reserve might be used for resiliency and climate action planning. The scopes of work were discussed during the September and October ENRS Committee meetings and the October BFT meeting resulting in three scopes of work being forwarded to City Council for review and approval as part of the BFT & ENRS Committee Reports.

The following paragraphs summarize the three scopes of work and related resolutions to allocate funding attached with this memorandum:

Integrated Sustainability Action Plan (ISAP)

This scope of work was drafted for a city RFP process for an Integrated Sustainability Action Plan (ISAP). The ISAP will focus on the city's greenhouse gas (GHG) emissions and reduction strategies along with local projects, programs, and policies that are prioritized from the STAR Communities results and community collaboration. The final deliverable will include cost estimates as part of a final implementation plan so that the city can seek and request funding, establish partnerships, and other efforts to complete projects and implement programs.

Including climate action and mitigation (GHG emission inventory and reduction strategies) and sustainability initiatives based on the STAR Communities process, along with folding in regional resiliency and adaption efforts makes this more than a plan, but an integrated tool for implementation of projects. The ISAP work will be completed in a way that regional partners may use the format and methodology as they can do the work, with the intent of bringing all of these efforts into comprehensive regional strategies.

County Vulnerability Assessment (RESTORE Act)

The county's scope of work was developed to use in the County's RFP process to solicit proposals from consultants. The scope outlines first steps in resiliency planning which include setting up a model for vulnerability assessment and initiating analyses from the inputs and results of the model. Pinellas County has allocated \$300,000 to initiate resiliency planning with this effort. This is a county RFP and county-led project.

Proposed matching funds of \$300,000 from the city would be used to enhance and build upon the work the county has initiated. The city would like to serve as a leader and key partner in regional resiliency planning. Many of the city's current efforts could inform the regional model, and in turn, the regional model can focus in on the city's critical infrastructure to further inform long-term infrastructure upgrades.

The ongoing inputs and results for this county partnership project would be folded into the city's proposed Integrated Sustainability Action Plan (ISAP) as it will address related issues like CRS and flooding, transportation and other infrastructure improvements, resiliency, and more.

Energy Efficiency Analysis, Strategy and Retrofit Projects

The scope of work is intended to provide funding resources that will set up a project that can be billed by the Engineering Department (\$50,000). The work is to be completed by a city senior energy efficiency engineer. The additional funding (\$200,000) would be to design/implement/procure the retrofit projects. The intent would be to allocate the funding for the purpose of the projects. Project proposals and progress would be reported to committee(s) and City Council before final purchase or procurement per the administrative policy.

Cc: Mayor Rick Kriseman
Kevin King
Gary Cornwell
Tom Greene
Michael Dema
Chan Srinivasa

Resolution No. _____

A RESOLUTION OF THE CITY COUNCIL OF ST. PETERSBURG, FLORIDA APPROVING THE RECOMMENDATION OF THE ENERGY, NATURAL RESOURCES, AND SUSTAINABILITY COMMITTEE TO MAKE A SUPPLEMENTAL APPROPRIATION OF \$300,000 FROM THE UNAPPROPRIATED BALANCE OF THE GENERAL FUND (0001), DERIVED OF SETTLEMENT FUNDS FROM THE 2010 DEEPWATER HORIZON OIL SPILL (BP SETTLEMENT), TO THE MAYOR'S OFFICE (0001-020) FOR THE VULNERABILITY ASSESSMENT AND RESILIENCY PLANNING PARTNERSHIP PROJECT WITH PINELLAS COUNTY FROM \$1,000,000 OF BP SETTLEMENT FUNDS PREVIOUSLY RESERVED TO DEVELOP AND ESTABLISH A CLIMATE ACTION AND RESILIENCY PLAN; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City is the recipient of funds in settlement of the 2010 Deepwater Horizon oil spill in the Gulf of Mexico (BP Settlement), the net amount of which after fees and costs is approximately \$6.5 million; and

WHEREAS, the Budget, Finance and Taxation Committee met on July 14, 2016, and recommended reserving \$1,000,000 of the BP Settlement funds to develop and establish a Climate Action and Resiliency Plan for the City; and

WHEREAS, on September 15, 2016, the Energy, Natural Resources and Sustainability Committee voted to recommend to the City Council of St. Petersburg, Florida approval of a supplemental appropriation of \$300,000 of the reserved \$1 million BP Settlement funds from the unappropriated balance of the General Fund for the purpose of partnering with Pinellas County on vulnerability assessment modeling and resiliency planning; and

WHEREAS, resiliency planning focuses on addressing infrastructure, vulnerable populations, and environmental vulnerabilities to current and future climate change effects such as extreme weather events and continued increases in sea level rise and storm surge; and

WHEREAS, initiating climate action and resiliency planning at the same time provides the City the opportunity to think about unique and efficient approaches to combine efforts; and

WHEREAS, the countywide vulnerability assessment will include project kickoff and coordination, data collection and analysis, critical infrastructure and vulnerable population identification, sea level rise and storm surge scenario planning, initial economic analysis, and strategy development: and

WHEREAS, the City's partnership contribution will add the flexibility to request analyses on St. Petersburg facilities, communities, and environment that are not covered by the current county funding and to move forward with early implementation projects in communications, engagement, green infrastructure, and infrastructure improvements;

WHEREAS, the Office of Sustainability, under the Mayor's Office shall be the lead department in the Pinellas County partnership project, but shall enlist Engineering & Capital Improvements, Water Resources, Planning & Economic Development, Building, Fire Department, and other city departments in achievement of the goals of improved resiliency, including, but not limited to, data sharing, outreach, cost development, and strategies for improvements.

NOW THEREFORE BE IT RESOLVED by the City Council of St. Petersburg, Florida that there is hereby approved the following supplemental appropriation from the unappropriated fund balance for fiscal year 2016:

General Fund (0001)

Mayor's Office (0001-020)	\$300,000
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BE IT FURTHER RESOLVED that this \$300,000 appropriation shall be used exclusively for the establishment and implementation of the Vulnerability Assessment and Resiliency Planning Partnership Project with Pinellas County; and

This Resolution shall become effective immediately upon its adoption.

Approved as to form and content:

City Attorney (Designee)
0029463

Budget & Management Director

Administration

RESTORE Act Vulnerability Assessment Phases/Timeline:

- **PHASE 1 - PROJECT KICKOFF: est. 6 month duration**
 - The objective of this Phase is to initiate the project and on-board the consultant, as well as confirm the project goals and objectives. Key tasks include:
 - Task 1.1: Release Request for Proposals; retain technical consultant services; convene lead project team and identify key collaborators/subject matter experts
 - Task 1.2: Confirm project goals and objectives with project partners and identify/establish planning teams(s)
- **PHASE 2 – DATA COLLECTION AND ANALYSIS (countywide): est. 8 month duration**
 - The objective of this phase of the project is to identify and synthesize existing sea level rise data, studies, and findings relevant to this project and as necessary, to generate supplementary data to facilitate the assessment of vulnerabilities. The Consultant will work with the lead team to perform the following tasks:
 - Task 2.1: Determine climate and sea level methodology to be used for the analysis
 - Task 2.2: Identify other relevant data (topographic, environmental, etc.); identify data gaps
 - Task 2.3: Decide upon/collect/assess/verify asset inventory (at a minimum, transportation and utilities); includes relevant infrastructure data from county, municipal as well as non-municipal and county providers if feasible.
 - Task 2.4: Initiate GIS database design and development
- **PHASE 3 - DATA ANALYSIS: est. 12 month duration**
 - The objective of this Phase is to identify and verify critical infrastructure for further analysis. Once the infrastructure subsets are identified, detailed analysis will be undertaken to better assess specific vulnerabilities, to refine data, verify assumptions and findings, and begin to test scenarios and strategies. For the critical infrastructure assets identified for detailed analysis, the potential fiscal impact of specific facility threats and inundation will be initiated using, among other methods, the REMI model. Key tasks include:
 - Task 3.1: Identify critical infrastructure
 - Task 3.2: GIS-based scenario planning/vulnerability assessments on identified critical assets
 - Task 3.3: Consider relationships/opportunities presented via interplay between the natural and built environment
 - Task 3.4: Initiate economic analysis [e.g., TBRPC's Regional Economic Model (REMI) tool and analysis]
- **PHASE 4 – STRATEGY DEVELOPMENT: est. 10 month duration**
 - The objective of this task is to assess Phase 3 results and begin to apply mitigation and adaptation scenarios/strategies to the critical assets. The consultant will identify and develop effective, feasible, and cost-sensitive adaptation strategies for impacted assets identified in Task 4.2. Primary emphasis will be placed on orienting strategies to coincide with regular asset renewal cycles. Adaptation alternatives will be developed through guided stakeholder outreach, supported by a customized decision-making matrix and expert

guidance from the consultant, planners, scientists, and engineers. For a selection of preferred alternatives (e.g., for the 10-20 assets identified in Task 4.2), order of magnitude costs will be developed to facilitate consideration by the lead team. Key tasks include:

- Task 4.1: Identification and testing of mitigation and adaptation strategies, alternatives and scenarios
- Task 4.2: Decision and long range planning tools for assessing cost-benefit of adaptation and/or mitigation proposals for critical infrastructure; includes estimates of economic impact and economic damage where feasible for integration into the decision making/prioritization approach, as appropriate.
- Task 4.3: Draft final report, including summary economic analysis, key infrastructure vulnerabilities and opportunities, as well as policy recommendations, priority recommendations and a recommended action plan. The final report will, at a minimum:
 - Document the screening process for prioritizing critical infrastructure including a GIS geodatabase and tabular inventory of selected asset types
 - Document the potential climate vulnerabilities and risks due to sea level rise (and related effects such as storm surge, flooding, etc.)
 - Identify candidate adaptation projects, including rationales and justifications (economic and otherwise) for inclusion in local government capital planning and programming
 - Recommendations for further development of the GIS decision-support tool
 - Recommendations for the future advancement of regional climate resiliency activities for infrastructure
 - An executive summary and web content, summarizing the science, results and recommendations.