



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 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.

WHEREAS, the Sustainability Vision of the City of St. Petersburg (City) is a city with the capacity to endure by finding the balance between environmental stewardship, economic vitality and social equity; and

WHEREAS, the City's Sustainability Mission Statement is to make St. Petersburg the city to work, live and play through innovative and collaborative sustainability practices; and

WHEREAS, our Sustainability Goals include net zero energy and zero waste; and

WHEREAS, the City has signed on to partner with the Sierra Club 100% Clean Energy campaign Ready for 100%) which is a national campaign to shift the energy system paradigm from one that relies solely on fossil fuels to an energy system that harnesses energy from the air, water, and sun to take steps to accelerate a just and equitable transition to renewable resources; and

WHEREAS, Mayor Kriseman's Executive Order, effective August 18, 2015 outlines actions that support sustainability goals including reduction of greenhouse gas emissions and increase in energy efficiencies; additionally, to include listing retrofits, water resource pumping and process, facility, space planning and transportation retrofits and improvements, and to utilize renewable energy sources like solar power, biosolids, and geothermal technology to contribute to the City's net zero energy goal; and

WHEREAS, the Project components include data collection, analysis, system tracking development, potential energy efficiency and GHG emission reduction strategies, measurement and verification of pilot project performance, and internal collaboration related to

STAR Communities and lifecycle costs analyses as-needed, and a working partnership with USF students for data collection and energy audits; and

WHEREAS, the City is the recipient of funds in settlement of the 2010 Deepwater Horizon oil spill in the Gulf of Mexico (BP Settlement); and

WHEREAS, on October 20, 2016, the Energy, Natural Resources and Sustainability Committee voted to recommend approval of a supplemental appropriation of \$250,000 of BP Settlement funds from the unappropriated balance of the General Fund to the City Council of St. Petersburg, Florida for the purpose of establishing and implementing the Project; and

WHEREAS, on October 27, 2016, the Budget, Taxation, and Finance Committee voted to recommend approval of a supplemental appropriation of \$250,000 of BP Settlement funds from the unappropriated balance of the General Fund to the City Council of St. Petersburg, Florida for the purpose of establishing and implementing the Project; and

WHEREAS, The Office of Sustainability, under the Mayor's Office shall be the lead department in the establishment and implementation Project; and

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 2017:

General Fund (0001)

Mayor's Office (0001-020)	\$250,000
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BE IT FURTHER RESOLVED that this \$250,000 appropriation shall be used exclusively for the development and implementation of an Energy Efficiency & Retrofits Analysis; and

This Resolution shall become effective immediately upon its adoption.

Approved as to form and content:

City Attorney (Designee)
#

Administration

Budget & Management Director

**CITY OF ST. PETERSBURG RESILIENCY & CLIMATE MITIGATION EARLY ACTION PROJECT: ENERGY
EFFICIENCY ANALYSIS, STRATEGY AND RETROFIT PROJECTS**

DRAFT SCOPE OF SERVICES OUTLINE

I. BACKGROUND & PURPOSE

The city is on a path to becoming more energy efficient, and therefore more sustainable and resilient. The city has even partnered with the Sierra Club as part of a 100% Clean Energy campaign to inspire and lead the community to be more energy efficient, incorporate renewable energy as significant part of community energy solutions, and to collaborate with the city's energy provider to evolve for current and future needs.

In recent years, the city has spent on the order of magnitude of \$10 million on energy (electric, natural gas, propane). Experience with energy efficiency programs show that, in general, 10%-15% of that can be cut by implementing simple, available projects like adding efficiency enhancers and repairs. Another 20-30% of the bill can be reduced with proven technologies like LED lights, optimization, and retro-commissioning. Further reductions can be made with bigger innovations like biomass, central heating/cooling plants, and district energy.

The purpose of this scope of work is to implement early, the needed energy efficiency and retrofit projects early as part of resiliency planning and implementation. Data for city government facilities and infrastructure is available, but it varies in its recent relevance and accuracy. This project would include continued data collection and analysis for city government facilities with a focus on buildings and related facilities. The analysis will organize data and prioritize energy efficiency and retrofit projects to be implemented through internal actions and external contracts and equipment as-needed.

In addition, this work will support data collection for the upcoming greenhouse gas emission inventory, STAR Communities strategies, and approach to lifecycle cost analysis for projects and purchases, and code and policy reviews.

II. PROJECT COMPONENTS

Task 1: Data Collection, Analysis, and System Tracking Development

Review existing city government energy data (electric, natural gas, and propane), collect additional data as available, and compile for analysis. Sketch out an energy efficiency strategy and identify data gaps and needs (Duke, City accounting, and additional performance grade audits). Part of this task will also be developing an overview of the various data and accounting systems so that the city can set up a system to track things more universally and uniformly.

Deliverable(s): Data inventory, systems inventory and flow chart, and summary of city facility energy use including highest energy use and priority projects.

Schedule: 45 days from NTP

Task 2: Qualify Potential Energy Efficiency and GHG Emission Reduction Strategies

Technically review and qualify products, software and services for pilot projects with a focus on “simple repairs, replacements, and product enhancements for energy efficiency. Develop business cases for qualified ideas and include pilot project ideas to test and verify. Develop programs to expand successful pilots into policies, procedures, and projects and specifications. Procure equipment and services for pilot projects and improvements as appropriate from review.

Deliverable: Technical review of products and services with lifecycle cost analysis and projected benefits.

Schedule: Draft technical review and recommendations 90 days from NTP; additional work ASAP through procurement.

Task 3: Measure and Verify

Monitor, measure and verify pilot project performance. Incorporate data into overall data collection efforts for system-wide tracking moving forward.

Deliverable: Performance results and summary report(s) as appropriate.

Schedule: TBD

Task 4: Internal Coordination & Collaboration (STAR Communities, LCCA, as-needed)

The work completed in this scope is directly related to the greenhouse gas emission inventory, the Integrated Sustainability Action Plan, city infrastructure projects, and codes and policy review. This task will allow appropriate time dedicated to the support of those efforts as-needed.

Deliverable(s): Support and documentation as-needed.

Schedule: Ongoing through Oct 2017 (end of fiscal year)

III. BUDGET

Sr. Energy Engineer staff time and materials (25-30%):	\$50,000
Possible USF Audit Team	\$10-15,000
Energy efficiency & retrofit projects:	\$185,000
Total:	\$250,000