



THE CITY OF KEY WEST

P.O. BOX 1409
KEY WEST, FL 33041-1409

3140 Flagler Avenue
(305) 809-3726
FAX 809-3978



To: City Manager, Jim Scholl
CC: City Commissioners, Assistant City Managers
Date: November __, 2016
Re: Recommendation to Hire Energy Manager

Dear Mr. Scholl,

As tasked, the Sustainability Advisory Board is responsible for advising on sustainability matters to the City and its Commissioners. For three years now we have recommended that the City hire an Energy Manager. For three years running this recommendation has not made it into the preliminary budget to be considered by City Commissioners.

The Financial Case: The City of Key West spends >\$900,000 a year on energy bills across 165 meters. Studies have shown that in buildings that have seen little to no energy efficiency attention over time, reductions of 15% in energy use are possible with little to no cost. If re-invested wisely, money saved from addressing the low hanging fruit can be set aside for further investment in fast ROI efficiencies for an additional 15% gain.

City of Key West Energy Bills

Total Energy Bill	\$ 900,000
10% Savings	\$ 90,000
15% Savings	\$ 135,000
30% Savings	\$ 270,000

The Environmental Case: Based on the City's Greenhouse Gas Emissions Inventory Report, 55% of the City's municipal emissions come from electricity. The Climate Action Plan, adopted by the City Commission in 2009, calls for 15% reduction in emissions by 2015, and specifies the hiring of an Energy Manager to do so.

The In-House Case: There are Energy Service/Savings Companies (ESCO's) that will help finance the upfront changes needed, but their services are based on their reaping of the savings for a long period of time, with an additional financing fee. They make their most money off of the low hanging fruit, since most governments do not have this skill set. The most efficient way to reduce energy consumption is to hire a recently graduated energy manager with a couple years' experience.

The Sustainability Board asks that you task the City's Engineering Department with verifying these numbers and reporting back to the Commission their recommendations for reducing energy use.

Thank you,

, Chair
Sustainability Advisory Board

Key to the Caribbean – Average yearly temperature 77° F.