

**CITY OF KEY WEST
MONTHLY ENERGY MANAGER (EM) REPORT**

Prepared By: T. Justice

Date: June 19, 2018

Reporting for May 2018.

Current vs. Baseline Energy Use for City-operated Facilities (All City meters):

May 1-31, 2018

MWh used: 528

Energy cost: \$83,173

May 1-31, 2017

MWh used: 603

Energy cost: \$88,478

Current vs. Baseline Water Use for City-operated Facilities (All City meters):

May 1-31, 2018

Gal used: 4.65M

Water cost: \$47,376

May 1-31, 2017

Gal used: 6.07M

Water cost: \$59,471

Note: Current water usage includes irrigation and dust control associated with Truman Waterfront Park construction.

Street Lighting:

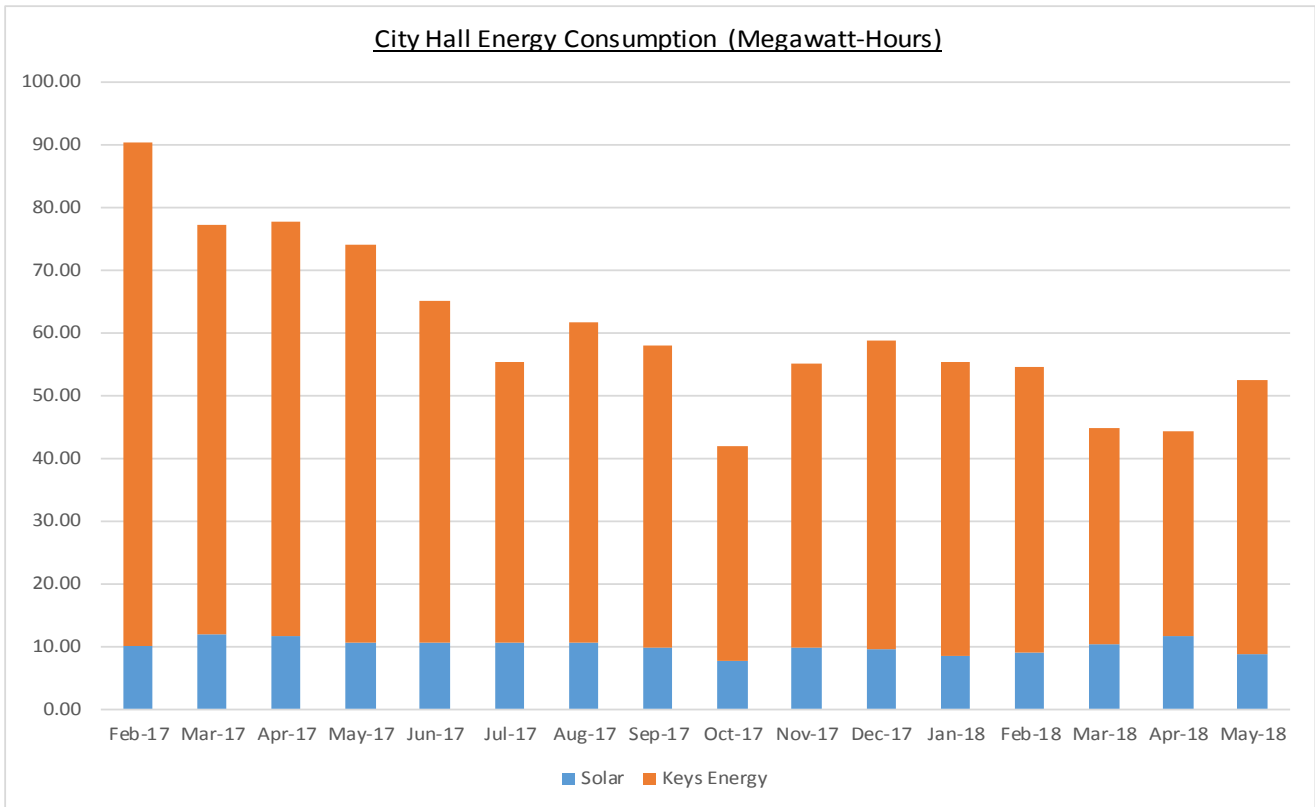
- Worked with Keys Energy to transfer billing for South Roosevelt Blvd. lights east of Smathers Beach to FDOT.
- Working with Keys Energy and FDOT to develop a plan for year-round turtle-friendly lighting along South Roosevelt Blvd. in Smathers Beach segment.

Priority Assessments:

- City Hall Commissioning (HVAC, Lighting Controls) is continuing. Estimated completion during July 2018.
- Sports Fields dedicated metering.

City Hall at Glynn Archer Electrical (4302373-00):

- May 2018 electric usage (May 7 – June 7, 2018):
 - KEYS: 43,920 kWh 122kW Demand Cost: \$5,320
 - Solar: 8,603 kWh 16.4% of total energy consumption from solar.
- May 2017 electric usage:
 - KEYS: 54,480 kWh 151kW Demand Cost: \$6,976
 - Solar: 10,220 kWh 15.8% of total energy consumption from solar.



- 12-month energy averages to-date – June 2017 through May 2018:
 - Solar 11,130 kWh per month – 17.7% of total.
 - Utility 51,900 kWh per month – 82.3% of total.

City Hall at Glynn Archer Water (FKAA 500521-021545):

- May 2018 water usage:
 - 34,537 gal Cost: \$339
- May 2017 water usage:
 - 566,288 gal Cost: \$2,263

3rd Quarter Objectives:

- Finalize funding for permanent energy monitoring equipment at City Hall at Glynn Archer.
 - Supplement existing Building Automation System already capable of energy monitoring.
 - Estimated budget \$8,000
- Modify City Hall cistern connection to maximize capacity.
- Separate metering for athletic field lighting (due to account reclass and demand billing).
 - Estimated budget \$5,000 (in-house electrician).
- Minor improvements to City Hall Lutron lighting control system.
 - Estimated budget \$2,000 (in-house electrician).
- Populate City energy data into Portfolio Manager.
 - City Hall is now up-to-date:

Key West City Hall

1300 White St., Key West, FL 33040 | [Map It](#)
 Portfolio Manager Property ID: 6383481
 Year Built: 2016

[Edit](#)



ENERGY STAR Score (1-100)

Current Score: 87

Baseline Score: 73

Summary | Details | **Energy** | Water | Waste & Materials | Goals | Design

Meter Summary

2 Energy Meters Total

2 - Used to Compute Metrics

[Add A Meter](#)

Current Energy Date
May 31, 2018

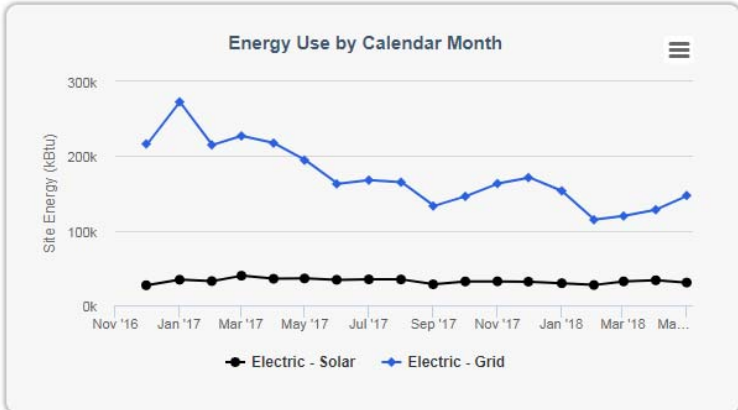
[Enter Your Bills](#)

Four Ways to Enter Bill Data

1. Manually
2. Use our [simple spreadsheet](#) (one meter) to upload or Copy/Paste
3. Use our [complex spreadsheet](#) (multiple meters + multiple properties)
4. [Find an organization](#) to electronically enter your data into Portfolio Manager

Your Property is: [Edit](#)

A Single Building



[Export Data by Calendar Month](#)

Meters - Used to Compute Metrics (2) [Add A Meter](#)

[Change Meter Selections](#)
[View as a Diagram](#)

Name Meter ID	Energy Type	Most Recent Bill Date	In Use? (Inactive Date)
Grid Meter 99967 43700074	Electric - Grid	06/07/2018	Yes
Solar Meter 101941 43700075	Electric - Solar	06/07/2018	Yes