

CITY OF KEY WEST MONTHLY ENERGY MANAGER (EM) REPORT

Prepared By: T. Justice

Date: March 8, 2018

Reporting for February 2018.

Current vs. Baseline Energy Use for City-operated Facilities:

February 1-28, 2018

MWh used: 537

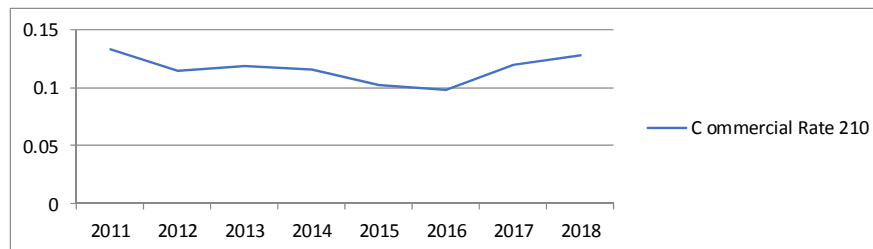
Energy cost: \$90,656

February 1-27, 2017

MWh used: 716

Energy cost: \$98,895

Recent history of Keys Energy Services energy rates (\$ per kWh):



Current vs. Baseline Water Use for City-operated Facilities:

Summary - All City meters:

February 1-28, 2017

Gal used: 1.51M

Water cost: \$15,483

February 1-27, 2016

Gal used: 2.75M

Water cost: \$24,520

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

Street Lighting:

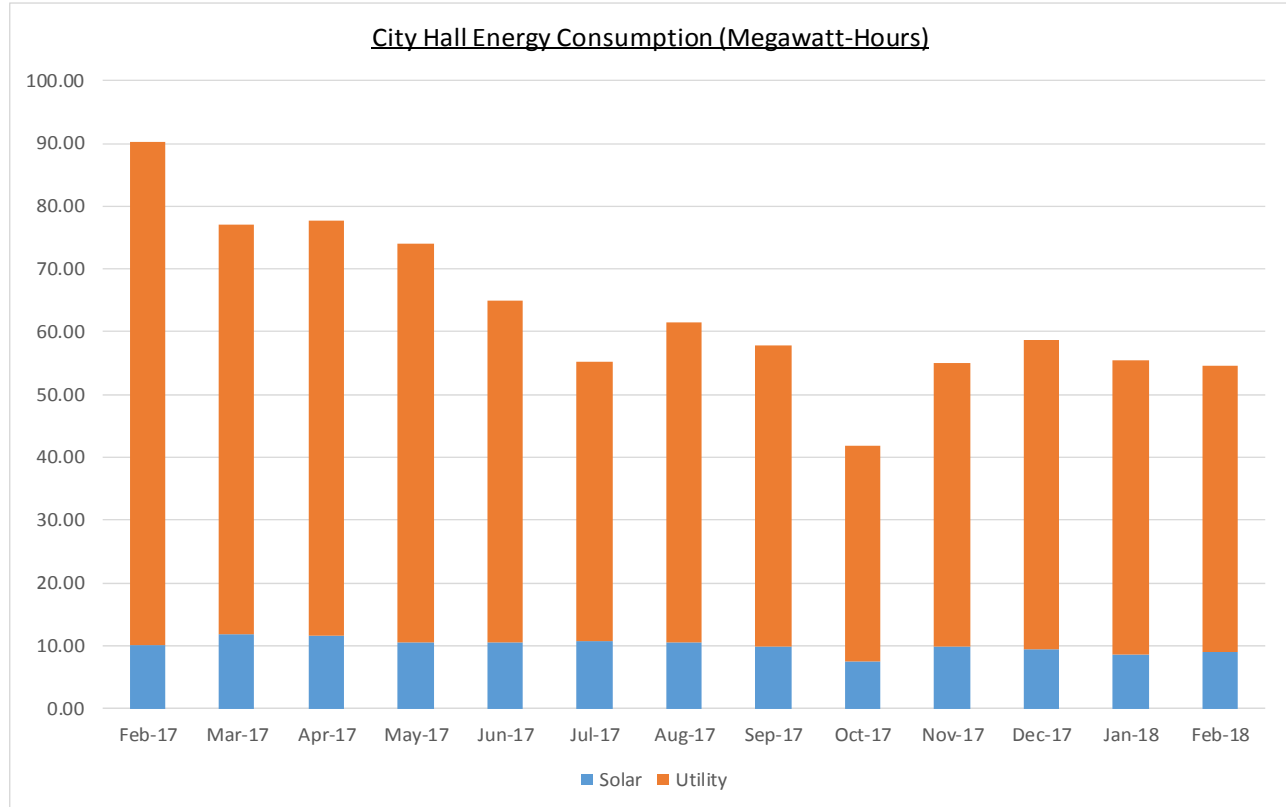
- Keys Energy has completed storm damage repairs to street lighting in Key West. Normal handling of requests for lighting modifications has resumed.

Priority Assessments:

- City Hall Commissioning (HVAC, Lighting Controls).
- City Hall demand factor (138kW this month) – continuing energy audit.
- Sports Fields

City Hall at Glynn Archer (4302373-00):

- February electric usage (January 6 – February 6):
 - KEYS: 45,600 kWh 138kW Demand Cost: \$7,352
 - Solar: 8,888 kWh 16.3% of total energy consumption from solar.
- Monthly Water Usage for January-February: 26,628 gal. Cost \$281
 - Down 88% from 12-month average. (See cisterns information below)



- First year averages:
 - Solar 9,885kWh per month – 15% of total.
 - Utility 56,177 kWh per month – 85% of total.
- City Hall current target areas:
 - Demand billing (based on peak usage) was 138kW for January-February which is reasonably in-line with design expectations. Energy monitoring equipment is deployed to further study demand on individual circuits.
- Update on City Hall cisterns and site irrigation:
 - Domestic (FKAA) potable water supply to the irrigation system was shut off on January 10. Future irrigation will utilize water solely from the cisterns. This change visibly reflected in currently reported water use.