

CITY OF KEY WEST MONTHLY ENERGY MANAGER (EM) REPORT

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Date: February 6, 2018

Reporting for January 2018.

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

January 1-31, 2018

MWh used: 552

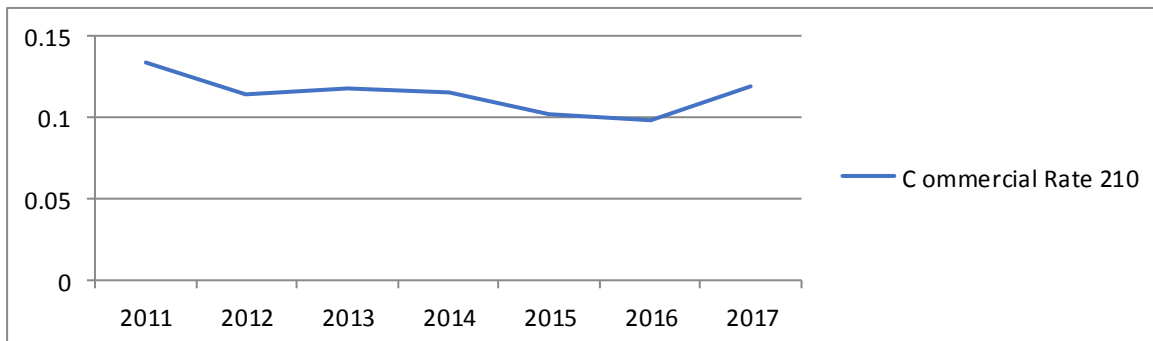
Energy cost: \$89,004

January 1-31, 2017

MWh used: 602

Energy cost: \$88,834

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



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

Summary - All City meters:

December 1-31, 2017

Gal used: 1.53M

Water cost: \$14,865

December 1-31, 2016

Gal used: 1.80M

Water cost: \$15,827

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

Street Lighting:

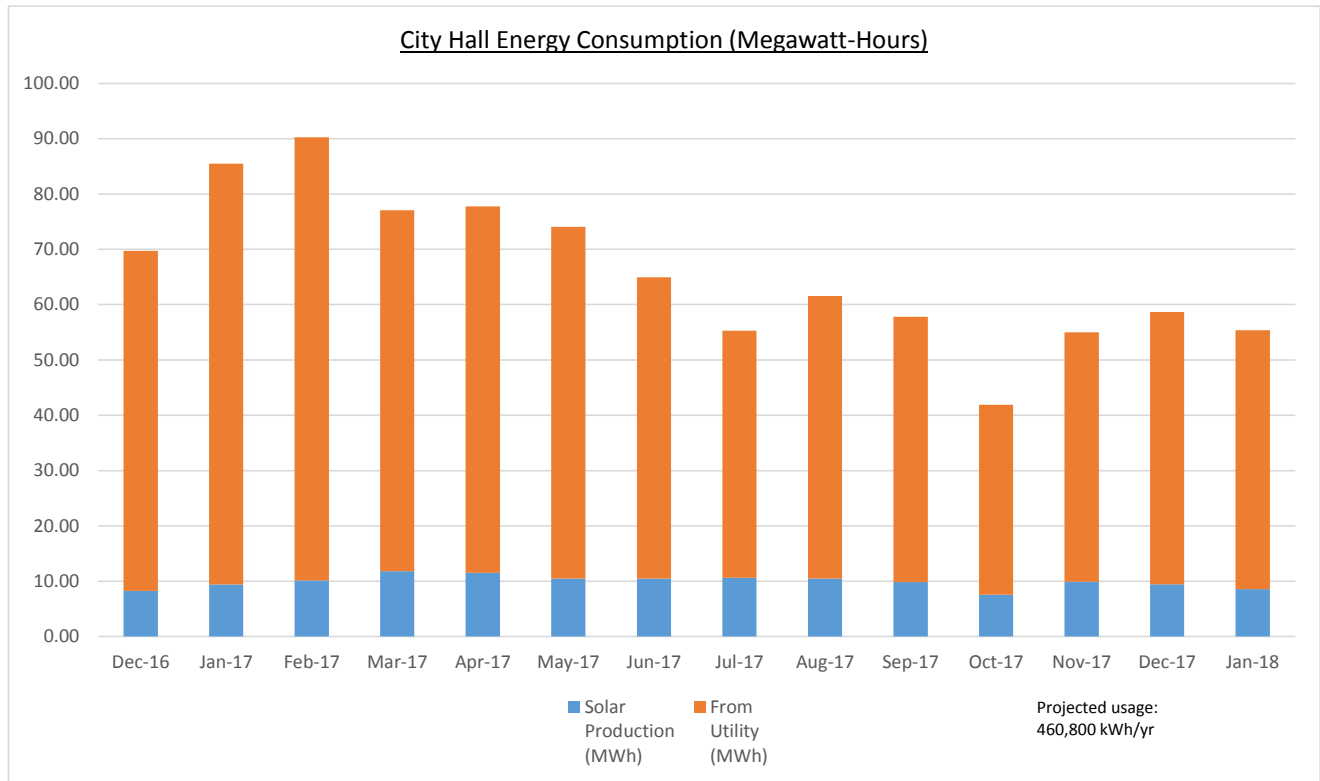
- Keys Energy has largely completed storm damage repairs to street lighting. Normal handling of requests for lighting modifications has resumed.

Priority Assessments:

- City Hall Commissioning (HVAC, Lighting Controls).
- City Hall demand factor (137kW this month) – continuing energy audit.

City Hall at Glynn Archer (4302373-00):

- December electric usage (December 8 – January 5):
 - KEYS: 46,800 kWh 137kW Demand Cost: \$6,501
 - Solar: 8,574 kWh 15.5% of total energy consumption from solar.
- Monthly Water Usage for December: 212,726 gal. (\$2,150).



- 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 137kW for December-January which is reasonably in-line with design expectations. Energy monitoring equipment is currently deployed to 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 will be reflected in February water use reporting.