

CITY OF KEY WEST MONTHLY ENERGY MANAGER (EM) REPORT

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Reporting for December 2017.

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

Summary - All City meters/accounts including street lights:

December 1-31, 2017

December 1-31, 2016

MWh used: 551

MWh used: 697

Energy cost: \$92,068

Energy cost: \$93,730

Note: Keys Energy rates for Dec. 2017 billing cycle have increased compared to Dec. 2016 rates as follows:

- Large Commercial accounts \$0.1052 per kWh raised from \$0.0777 a 35% increase.
- Small Commercial accounts \$0.1254 per kWh raised from \$0.0979 a 28% increase.

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

Summary - All City meters:

December 1-31, 2017

December 1-31, 2016

Gal used: 1.53M

Gal used: 1.80M

Water cost: \$14,865

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 is continuing storm damage repairs to street lighting. Incidental requests are voluntarily suspended until those repairs are completed. Materials availability had hampered efforts. Estimated completion is now January 2018.

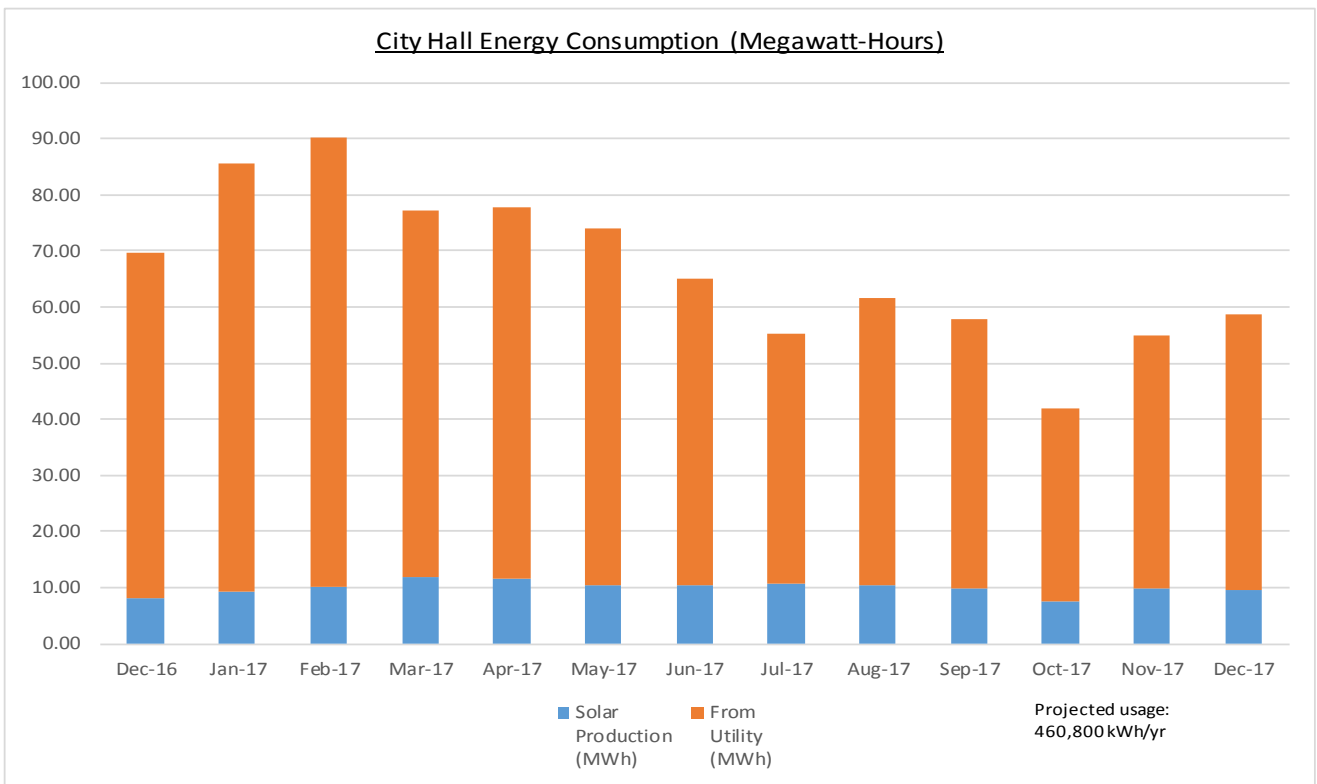
Priority Assessments:

- City Hall Commissioning (HVAC, Lighting Controls).
- City Hall demand factor (120kW this month) – ongoing energy audit.

City Hall at Glynn Archer (4302373-00):

- December electric usage (November 8 – December 7):
 - o KEYS: 49,200 kWh 127kW Demand Cost: \$6,506
 - o Solar: 9,443 kWh 16% of total energy consumption from solar.
 - o Reporting period savings due to solar: \$1,039

- Monthly Water Usage for November: 221,539 gal. (\$1,646).



- HVAC operation for this period has been returned to a normal occupancy schedule: occupied early morning to mid-evening and unoccupied overnight.
- City Hall current concerns and target areas:
 - o Demand billing (based on peak usage) was 120kW for December 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:
 - o Corrective modifications have been completed that increase cistern storage capacity to 21,500 gallons. (Both cistern volumes combined.)
 - o Domestic (FKAA) potable water supply to the irrigation system was shut off on January 10. Future irrigation will utilize water solely from the cisterns, precipitation permitting.