

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

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Date: November 08, 2019

Reporting for November 2019.

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

October 1-31, 2018

MWh used: 662

Energy cost: \$90,933.28

October 1-31, 2019

MWh used: 674

Energy cost: \$101,075.03

## OMI Meters

October 1-31, 2019

MWh used: 552

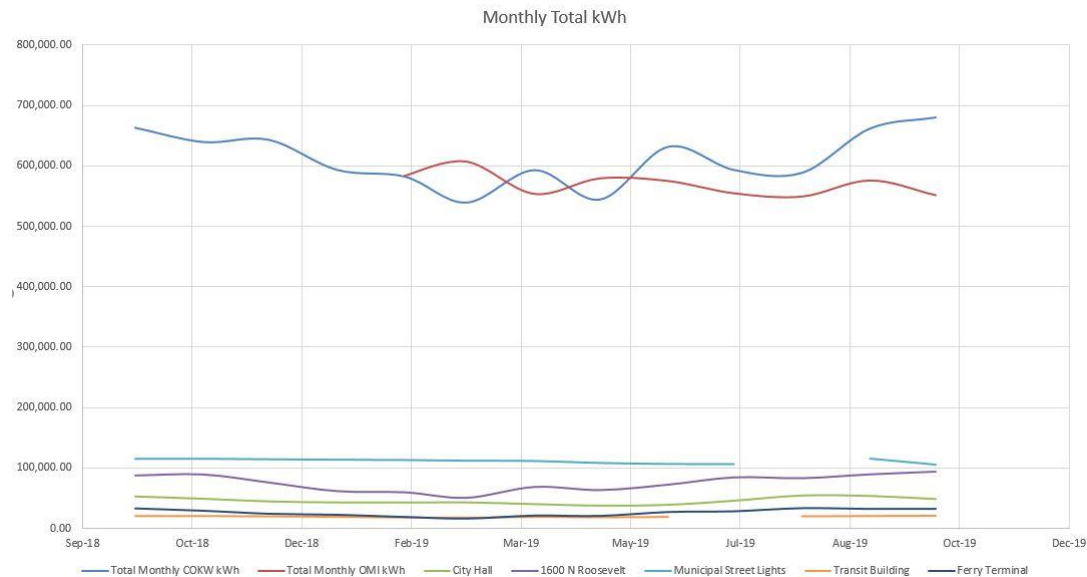
Energy cost: \$70,929.93

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

October 1-31, 2019

Gal used: 5M

Water cost: \$61,255



## Street Lighting:

- Staff reaching out to KES Staff for cost to upgrade remaining street lights with LED lights. Currently Street lights are upgraded to LED when old lights go out. Staff is also searching for grant possibilities to fund this upgrade.

**Priority Assessments:**

- Staff reviewing electrical and water systems in older buildings to identify savings possibilities through upgraded fixtures, daylight sensors, and motion detectors.
- Staff coordinating with facilities to establish baseline fixtures and bulbs that can be used in all buildings to reduce needs for more replacement parts storage, or purchase of parts for outdated fixtures.
- Last month and this month both inverters to both of the solar arrays have not been reading. Keys Energy recorded that the actual production of the arrays in these months was half as much as other months due to the error, current output is around 3MWh which is 5% of City halls typical usage of 60MWh
- SAB should consider an initiative to City Staff to stagger start up times of buildings and personnel which could reduce the power factor in City buildings where the bulk of staff arrive at the same time at the start of the day while the AC is cooling down the building, lights are coming on, and computers are starting up.

**City Hall at Glynn Archer**

October 2019 Energy usage:

48,960 kWh      Cost: \$6,574

October 2018 Energy usage:

53,280 kWh      Cost: \$6,200

October 2019 water usage:

174,019 gal      Cost: \$1,682

October 2018 water usage:

320,157 gal      Cost: \$3,604

\*FKAA Billing may not provide billing for full 30 days