

**CITY OF KEY WEST
MONTHLY ENERGY MANAGER REPORT**

Prepared By: Johnnie Yongue

Date: November 06, 2020

Total Energy Use for all City Facilities

Jan -Dec 2019

Month	MWh	Cost	\$/kWh
Jan	593	\$92,133	\$0.16
Feb	582	\$92,042	\$0.16
Mar 19	539	\$86,273	\$0.16
Apr 19	593	\$92,156	\$0.16
May 19	544	\$90,623	\$0.17
Jun 19	631	\$98,236	\$0.16
Jul 19	645	\$97,625	\$0.15
Aug 19	701	\$104,558	\$0.15
Sept 19	683	\$101,550	\$0.15
Oct 19	674	\$101,075	\$0.15
Nov 19	648	\$98,689	\$0.15
Dec 19	665	\$100,797	\$0.15

Jan – Sept 2020

Month	MWh	Cost	\$/kWh
Jan	591	\$94,637	\$0.16
Feb	582	\$91,526	\$0.16
Mar	540	\$88,045	\$0.16
Apr	550	\$89,448	\$0.16
May	527	\$86,105	\$0.16
Jun	550	\$80,349	\$0.15
Jul	538	\$77,220	\$0.14
Aug	619	\$88,099	\$0.14
Sept	637	\$93,037	\$0.15
Oct	611	\$98,600	\$0.16

Overall Energy Consumption remains reduced from 2019 but a majority of the reduction due to COVID 19 accommodations has been eliminated

OMI Meter Usage

Mar 2019 – Jun 2020

Month	MWh	Cost	\$/kWh
Mar	608	\$71,900	\$0.12
Apr	553	\$66,293	\$0.12
May	579	\$72,421	\$0.13
Jun	575	\$70,363	\$0.12
Jul	554	\$70,452	\$0.13
Aug	549	\$67,476	\$0.12
Sept	576	\$72,685	\$0.13
Oct	551	\$70,930	\$0.13
Nov	578	\$72,955	\$0.13
Dec	639	\$79,736	\$0.12

Jan	567	\$71,052	\$0.13
Feb	582	\$74,023	\$0.13
Mar	552	\$67,948	\$0.12
Apr	530	\$65,480	\$0.12
May	505	\$61,636	\$0.12
Jun	480	\$53,240	\$0.11
Jul	492	\$55,860	\$0.11
Aug	547	\$63,300	\$0.12
Sep	597	\$76,849	\$0.13
Oct	624	\$85,057	\$0.14

These accounts include totals of stormwater pumps, lift stations and sewer treatment plants. OMI usage has increased for the month of October possibly due to hightides loading the injection well pumps.

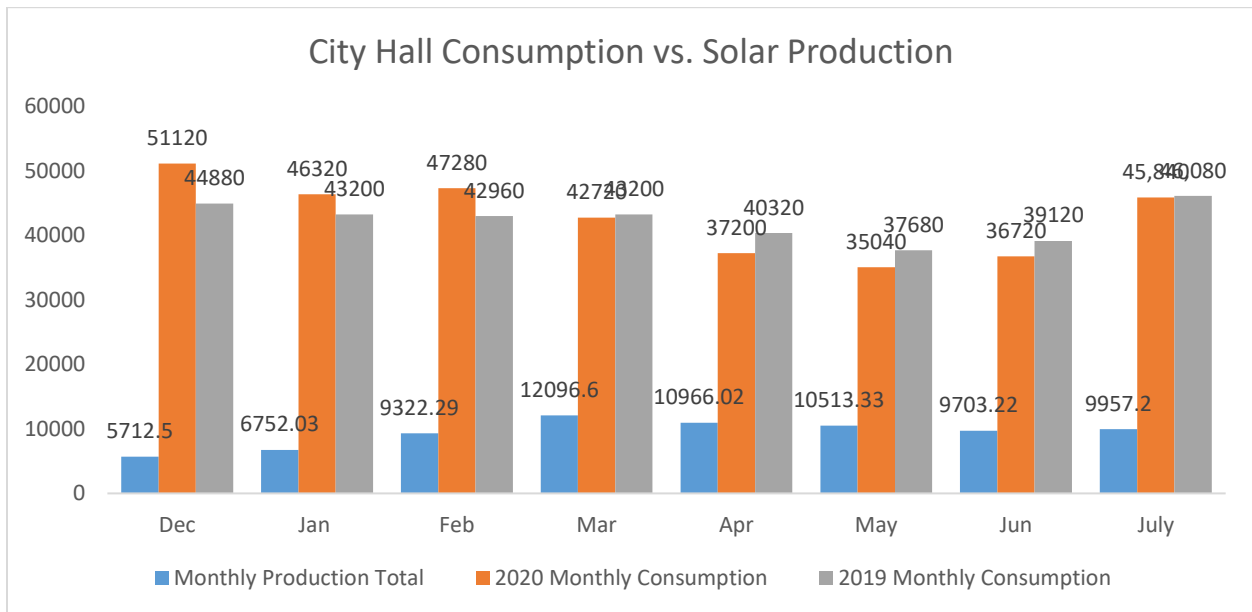
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City Hall at Glynn Archer

Month	kWh Billed	Solar	Total usage	% Energy Consumption
DEC:	51,120	5,712	56,832	10%
JAN:	46,320	6,752	53,072	13%
FEB:	47,280	9,322	56,602	16%
MAR:	42,720	12,096	54,816	22%
APR:	37,200	10,966	48,166	23%
MAY:	35,040	10,513	45,553	23%
JUN:	36,720	9,703	46,423	21%
JUL:	45,840	9,957	55,797	18%



*Solar data has been undelivered since August possibly due to new security protections established by the Information Technology Department in response to server issues at that time. Staff is working on correcting the issue.

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FCAA Potable Water Use

<u>Month</u>	<u>Gallons</u>	<u>Cost</u>	<u>Avg \$ / 1,000 gal</u>
Jan 18	6,176,271	\$63,679	\$10.31
Feb 18	1,505,538	\$15,483	\$10.28
Mar 18	7,063,654	\$78,733	\$11.15
Apr 18	5,176,753	\$54,042	\$10.44
May 18	4,645,323	\$47,375	\$10.19
Jun 18	5,560,607	\$57,790	\$10.39
Jul 18	5,857,795	\$61,471	\$10.49
Aug 18	1,878,061	\$25,615	\$13.64
Sept 18	11,520,322	\$74,449	\$6.46
Oct 18	9,190,732	\$97,990	\$10.66
Nov 18	1,730,610	\$19,386	\$11.20
Dec 18	8,883,983	\$96,678	\$10.88
Jan 19	1,677,653	\$19,190	\$11.44
Feb 19	6,212,266	\$68,314	\$11.01
Mar 19	4,084,622	\$46,666	\$11.43
Apr 19	7,851,998	\$86,147	\$10.97
May 19	1,579,744	\$19,435	\$12.31
Jun 19	10,009,520	\$121,898	\$12.18
Jul 19	7,345,184	\$83,960	\$11.43
Aug 19	1,672,489	\$22,094	\$13.21
Sept 19	8,535,301	\$97,327	\$11.40
Oct 19	1,196,744	\$14,833	\$12.39
Nov 19	5,141,280	\$62,863	\$12.23
Dec 19	5,762,341	\$67,697	\$11.75
Jan 20	1,184,581	\$15,332	\$12.95
Feb 20	4,135,549	\$48,797	\$11.80
Mar 20	3,957,564	\$46,690	\$11.79
Apr 20	961,958	\$13,214	\$13.74
May 20	7,923,619	\$96,551	\$12.18
Jun 20	7,363,813	\$88,689	\$12.04
Jul 20	1,094,485	\$14,194	\$12.97
Aug 20	7,182,855	\$16,905	\$12.69
Sep 20	4,110,428	\$49,020	\$11.93
Oct 20	2,864,531	\$36,402	\$12.71

Quarterly Average

2018

Q1: 4,915,154

Q2: 5,127,561

Q3: 6,418,725

Q4: 6,601,775

2019

Q1: 3,991,514

Q2: 6,480,421

Q3: 5,850,991

Q4: 5,089,095

2020

Q1: 3,092,564

Q2: 5,416,463

Q3: 4,129,256

Lingering reductions in water uses are still present possibly due to COVID measures that reduce the number of in person meetings and teleworking. It is also noted that City water uses have been reducing gradually before COVID as seen on the multiyear trendline.

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Priorities

1. \$10,000 funded for FY2021 to retrofit City Police Station at 1600 N Roosevelt with new LED lights.
2. City staff are coordinating a City Hall hardening project that will include upgrades to the Cistern, under City Hall and return service from the Cistern to the employee bathrooms for toilet flushing in the downstairs of Building A as a trial period. If successful, the service from the Cistern can be expanded to include other bathrooms in City Hall.
3. Energy Manager and City Engineer are coordinating with Keys Energy Service(KES) to establish cost, savings, and payment options for an LED Street Light Relamping project. Staff hopes to have new costs and projected savings to recommend to the new budget and KES Contract with the City in FY2021.
4. DRAFT 10 Year energy plan was presented to the City commission at their November 04, 2020 meeting. Concept was well received by the Commission and Mayor and support was given for staff to proceed at preparing the 10 Year plan for approval.
5. We are online! Energy Manager's monthly report has been made available on the City website at <https://fl-keywest.civicplus.com/637/Monthly-Energy-Reports>.