

**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.

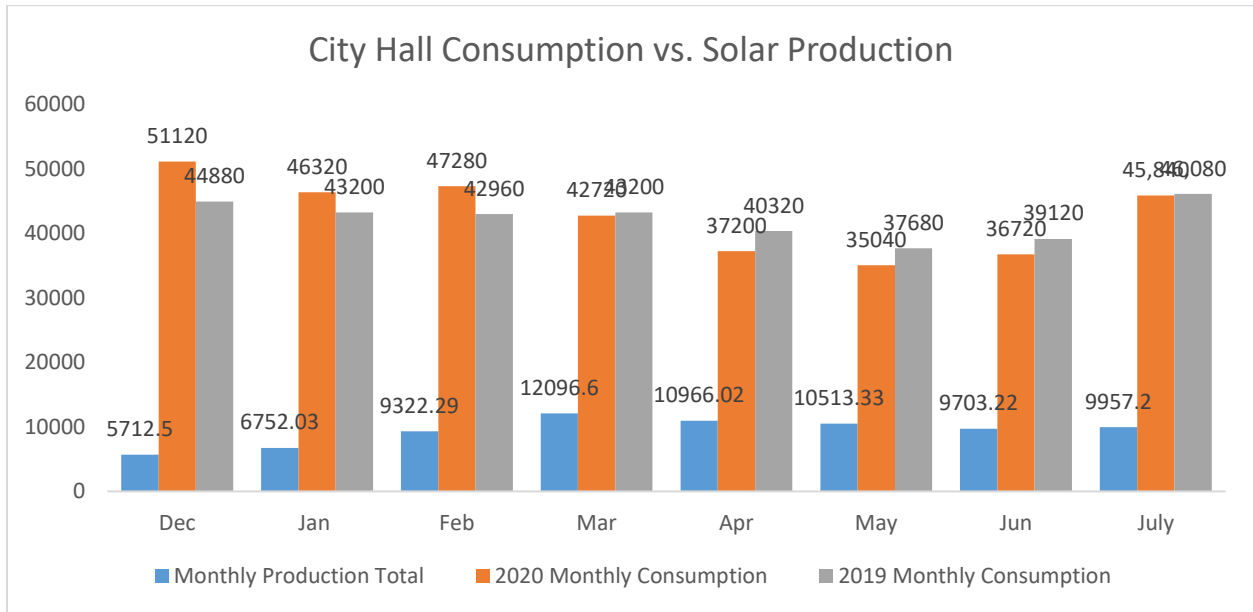
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City Hall at Glynn Archer

| 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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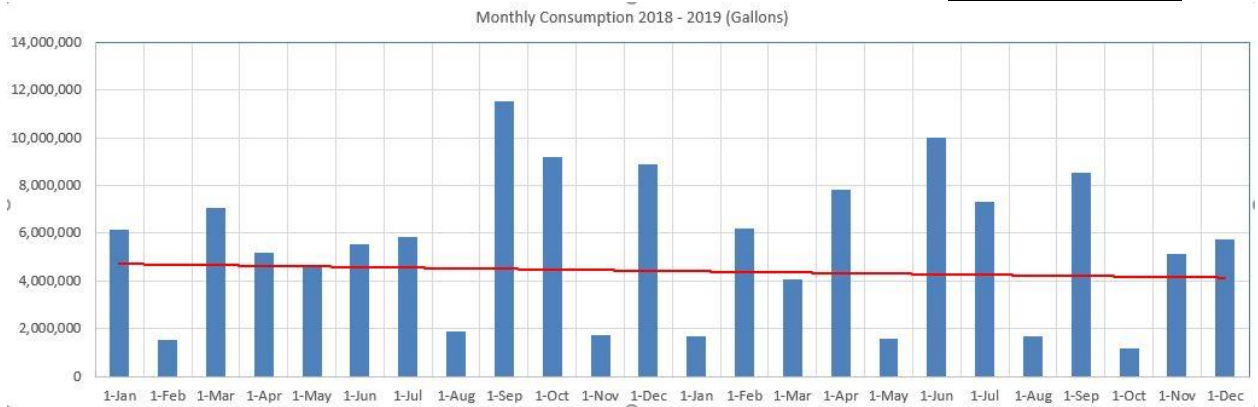
FCAA Potable Water Use

| Month | Gallons | Cost | Avg \$ / 1,000 gal | |
|---------|------------|-----------|--------------------|---------------------------------|
| 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 | Quarterly Average |
| 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 | 2018 |
| Aug 18 | 1,878,061 | \$25,615 | \$13.64 | Q1: 4,915,154 |
| Sept 18 | 11,520,322 | \$74,449 | \$6.46 | Q2: 5,127,561 |
| Oct 18 | 9,190,732 | \$97,990 | \$10.66 | Q3: 6,418,725 |
| Nov 18 | 1,730,610 | \$19,386 | \$11.20 | Q4: 6,601,775 |
| Dec 18 | 8,883,983 | \$96,678 | \$10.88 | |
| Jan 19 | 1,677,653 | \$19,190 | \$11.44 | 2019 |
| Feb 19 | 6,212,266 | \$68,314 | \$11.01 | Q1: 3,991,514 |
| Mar 19 | 4,084,622 | \$46,666 | \$11.43 | Q2: 6,480,421 |
| Apr 19 | 7,851,998 | \$86,147 | \$10.97 | Q3: 5,850,991 |
| May 19 | 1,579,744 | \$19,435 | \$12.31 | Q4: 5,089,095 |
| Jun 19 | 10,009,520 | \$121,898 | \$12.18 | |
| Jul 19 | 7,345,184 | \$83,960 | \$11.43 | 2020 |
| Aug 19 | 1,672,489 | \$22,094 | \$13.21 | Q1: 3,092,564 |
| Sept 19 | 8,535,301 | \$97,327 | \$11.40 | Q2: 5,416,463 |
| Oct 19 | 1,196,744 | \$14,833 | \$12.39 | Q3: 4,129,256 |
| 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 | Lingering reductions in water |
| Feb 20 | 4,135,549 | \$48,797 | \$11.80 | uses are still present possibly |
| Mar 20 | 3,957,564 | \$46,690 | \$11.79 | due to COVID measures that |
| Apr 20 | 961,958 | \$13,214 | \$13.74 | reduce the number of in |
| May 20 | 7,923,619 | \$96,551 | \$12.18 | person meetings and |
| Jun 20 | 7,363,813 | \$88,689 | \$12.04 | teleworking. It is also noted |
| Jul 20 | 1,094,485 | \$14,194 | \$12.97 | that City water uses have |
| Aug 20 | 7,182,855 | \$16,905 | \$12.69 | been reducing gradually |
| Sep 20 | 4,110,428 | \$49,020 | \$11.93 | before COVID as seen on the |
| Oct 20 | 2,864,531 | \$36,402 | \$12.71 | 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>.