

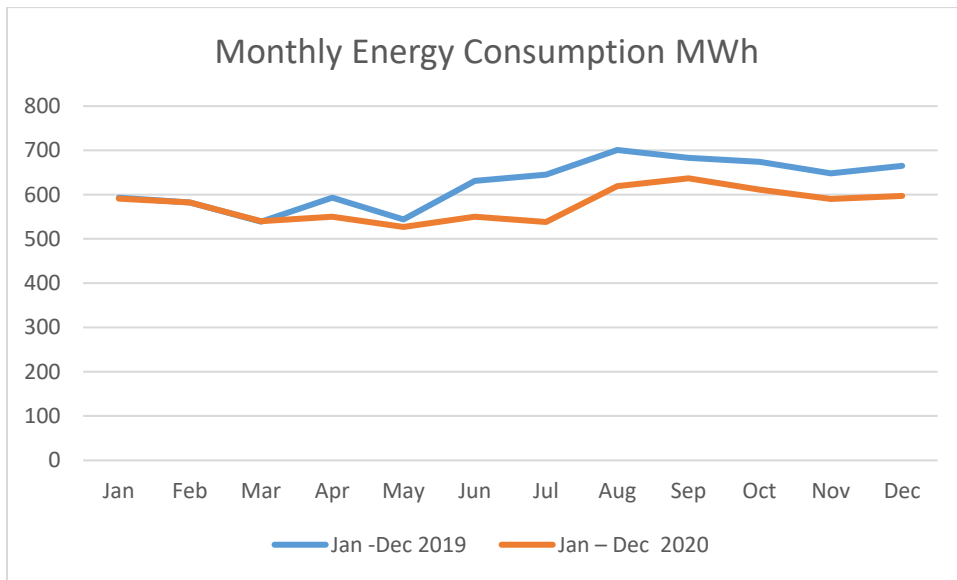
CITY OF KEY WEST MONTHLY ENERGY MANAGER REPORT

Prepared By: Johnnie Yongue

Date: February 3, 2021

Total Energy Use for all City Facilities

January				Jan – Nov 2020			
Month	MWh	Cost	\$/kWh	Month	MWh	Cost	\$/kWh
2019	593	\$92,133	\$0.16	Jan	591	\$94,637	\$0.16
2020	591	\$94,637	\$0.16	Feb	582	\$91,526	\$0.16
2021	552	\$91,778	\$0.17	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
				Nov	590	\$95,879	\$0.16
				Dec	597	\$80,303	\$0.15



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OMI Meter Usage

<u>Mar 2019 – Dec 2020</u>				Jan	567	\$71,052	\$0.13
Month	MWh	Cost	\$/kWh	Feb	582	\$74,023	\$0.13
Mar	608	\$71,900	\$0.12	Mar	552	\$67,948	\$0.12
Apr	553	\$66,293	\$0.12	Apr	530	\$65,480	\$0.12
May	579	\$72,421	\$0.13	May	505	\$61,636	\$0.12
Jun	575	\$70,363	\$0.12	Jun	480	\$53,240	\$0.11
Jul	554	\$70,452	\$0.13	Jul	492	\$55,860	\$0.11
Aug	549	\$67,476	\$0.12	Aug	547	\$63,300	\$0.12
Sept	576	\$72,685	\$0.13	Sep	597	\$76,849	\$0.13
Oct	551	\$70,930	\$0.13	Oct	624	\$85,057	\$0.14
Nov	578	\$72,955	\$0.13	Nov	632	\$84,772	\$0.13
Dec	639	\$79,736	\$0.12	Dec	447	\$65,388	\$0.13
				Jan	602	\$81,889	\$0.14

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%
AUG	44,640			
SEP	47,040			
OCT	44,160			
NOV	41,040			
DEC	36,720			
JAN	36,720			

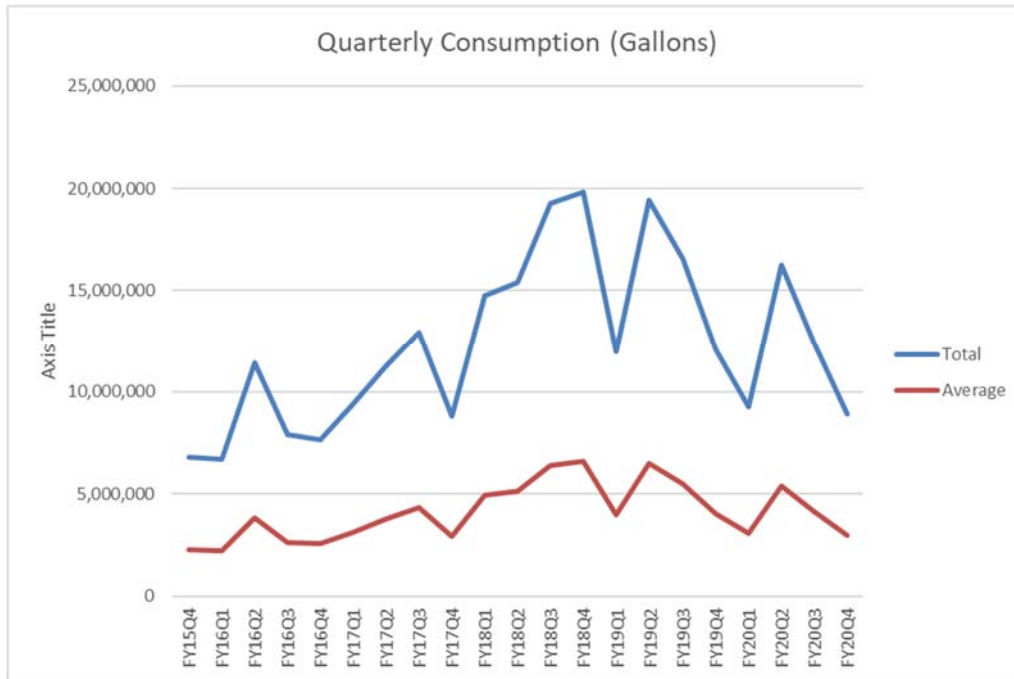
Staff has requested IT restore Solar Data Delivery

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Quarterly data Total	Average	
FY15Q4	6,816,500	2,272,167
FY16Q1	6,717,100	2,239,033
FY16Q2	11,439,250	3,813,083
FY16Q3	7,894,653	2,631,551
FY16Q4	7,674,914	2,558,305
FY17Q1	9,414,665	3,138,222
FY17Q2	11,279,352	3,759,784
FY17Q3	12,941,989	4,313,996
FY17Q4	8,834,000	2,944,667
FY18Q1	14,745,463	4,915,154
FY18Q2	15,382,683	5,127,561
FY18Q3	19,256,178	6,418,726
FY18Q4	19,805,316	6,601,772
FY19Q1	11,974,541	3,991,514
FY19Q2	19,441,262	6,480,421
FY19Q3	16,552,268	5,517,423
FY19Q4	12,100,365	4,033,455
FY20Q1	9,277,694	3,092,565
FY20Q2	16,249,390	5,416,463
FY20Q3	12,387,768	4,129,256
FY20Q4	8,929,693	2,976,564



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Priorities

1. Facilities obtaining 3 quotes from vendors for LED lights in Police Station. Proposed fixture will be 48 Watt ‘plug and play’ system for easy replacement. Each fixture will provide an estimated 48 Watt savings based on the fact that the current fixtures are designed to consume 96 Watts. Priority lights to be replaced will be the fixtures that remain on the most, i.e. hallways, 911 dispatch, etc guaranteeing the City will achieve optimum energy reduction.
2. Contractor is scheduling work for Cistern Hardening at City hall which will raise usable water levels and return rainwater to Employee bathrooms for flushing.
3. Energy Manager and Sustainability Coordinator are drafting 10 year Energy Plan for presentation to the SAB staff in February.
4. Other 2021 Goals As Per 10 Year Plan (Draft)
 - a. Request funds and identify locations to expand EV Charging Stations in Key West
 - b. Enter City Facility into Energy Star Portfolio Manager to begin record
 - c. Track and monitor designs for new projects to identify energy savings opportunities and encourage use of energy star products.
 - d. Obtain Energy Star rating for new City projects
 - e. Creation of Energy Manager Fund as a funding system for future projects and to support Energy Manager Goals in education, and policies.