



# Utilities Advisory Board Minutes

February 26, 2020 at 12:00 p.m.

Public Safety Bldg., Ray Beary Community Room  
500 N. Virginia Ave. | Winter Park, Florida

## Present

John Miles (Chair), Karim Arja, Paul Conway, Lawrie Platt Hall, Richard James, Jennifer W. Lyons

## City of Winter Park Staff

Dan D'Alessandro, Director of Electric Utility

Justin Isler, Operations Manager Electric Utility

Wes Hamil, Director of Finance

David Zusi, Director of Water & Wastewater Utility

Jason Riegler, Asst. Director of Water & Wastewater Utility

Vanessa Balta-Cook, Sustainability & Permitting Planner

Peter Moore, Director of Office of Mgmt. & Budget

Karen Hood, Recording Secretary

## Guest

None

## Absent

Robert Dornbush, UAB member

Tate Scott, UAB member

Michael Passarella, Engineer Electric Utility

Kristopher Stenger, Assistant Director Building & Permitting Services

## Meeting called to order

Chairman John Miles called the meeting to order at 12:00 p.m.

## Approval of minutes

Chmn. John Miles asked for a motion to approve the minutes. Paul Conway moved to approve the minutes and Richard James seconded. The motion was carried unanimously.

## Citizen Comments

None

## Old Business

David Zusi gave a presentation with water use graphs, updates on capital improvement projects and photos of Aloma water treatment plant with solar panels (attached here).

## New Business

Dan D'Alessandro and Peter Moore updated the board on the Cost of Service Study RFP. Three vendors were selected, Leidos, NewGen Strategies & Solutions, and Raftelis. Their written materials are due today by 2:00. Any responses from the City will be out by end of day. The vendors will be interviewed and presenting their proposal on Friday, February 28<sup>th</sup>. The meetings are closed to the public. The vendors will be presenting to Wes Hamil, Dan D'Alessandro, Peter Moore, Jennifer Maier and John Miles. The vendor selection for the Cost of Service Study will be made after these interviews and presentations on Friday.

## Reports

Electric reports presented by Dan D'Alessandro & Justin Isler (attached here)

Water & Wastewater report by David Zusi (attached under old business)

Financial report presented by Wes Hamil (attached here)

Sustainability no report presented

## Adjournment

Chmn. Miles adjourned the meeting at 1:36 p.m. Next meeting is March 25, 2020

Respectfully Submitted,  
Karen Hood  
Recording Secretary

Approved 07/22/20

# **UAB W&WW Update**

**February 26, 2020**



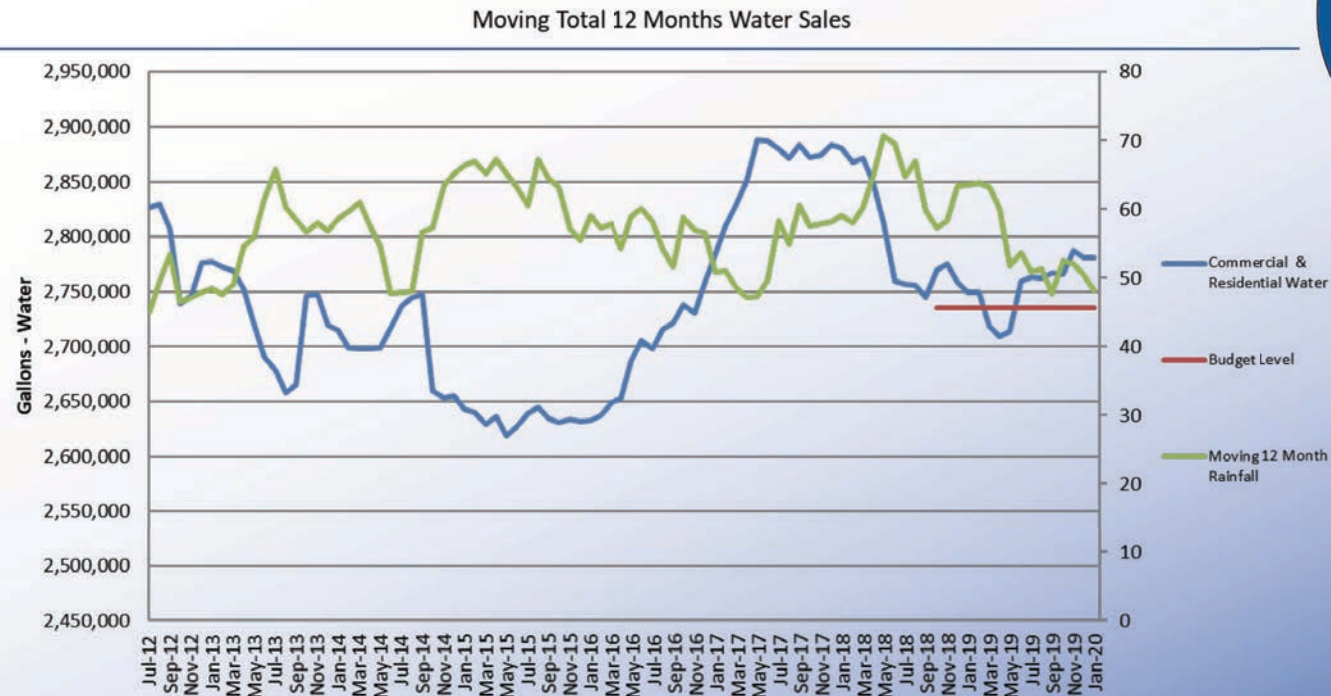
# Agenda

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- Water Use Graphs
- CIP Review
- Aloma WTP Solar

# Moving Total 12 Months Water Sales



# Moving Total 12 Months Irrigation Sales

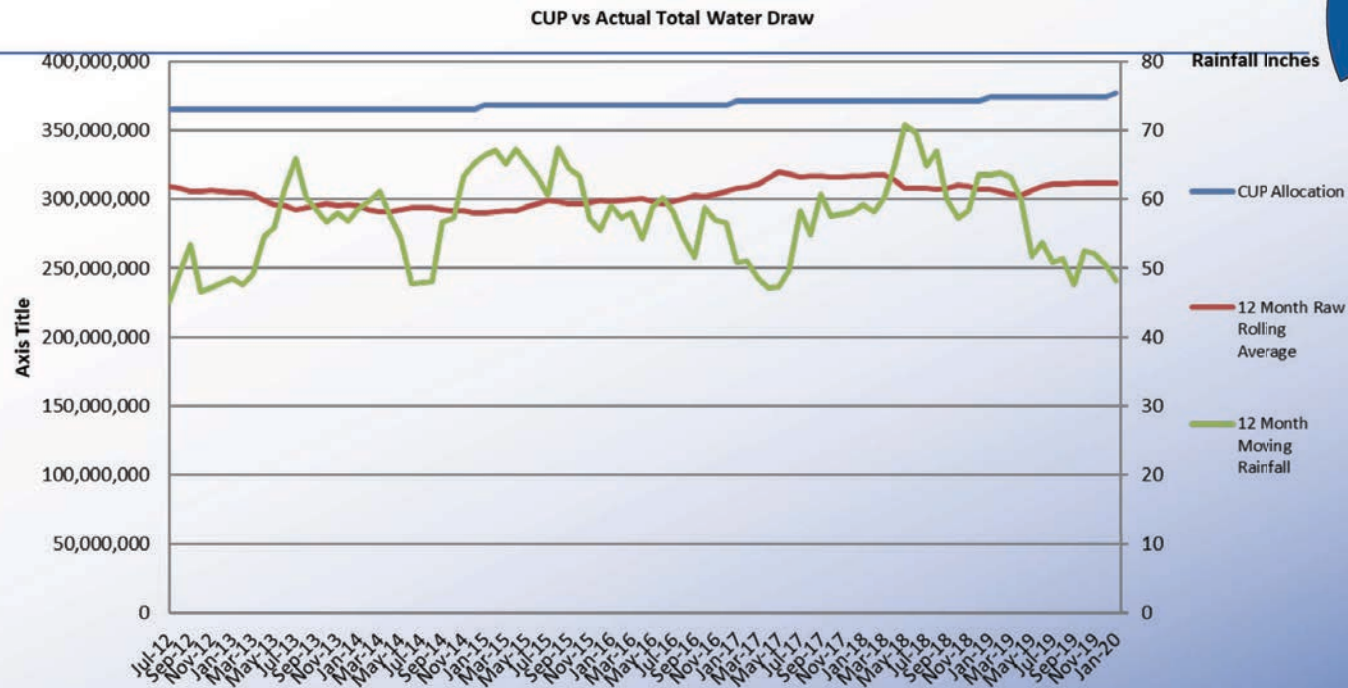


Moving Total 12 Months Irrigation Sales





# Consumptive Use Permit (CUP) vs Actual Total Water Draw



# CIP Review



<u>Project Name</u>	<u>Budget</u>
▪ I-4 Ultimate Project	\$3,301,965
▪ Aloma WTP Rooftop Solar	\$250,000
▪ Ravaudage Lift Station/FM	\$6,300,791
▪ Kennedy Rd Wide FM	\$1,600,000
▪ East OC Service Improvements	\$1,387,900
▪ Richard Crotty Parkway	\$1,409,038
▪ Upgrade Water Mains	\$986,516
▪ Sewer Main Extensions	\$638,582
▪ Sewer Mains R&R	\$512,464
▪ Sewer Capacity Purchase	\$*****
▪ Rehab Sewer Manhole	\$227,443
▪ Replace Asbestos Force Mains	\$128,682
▪ Rehab Sewer Main Shortline	\$508,606
▪ Lift Station R&R	\$936,188
▪ Meter Data Management Upgrade	\$520,000



# Aloma Water Treatment Plant



# Solar Panels and Inverters





## GST Solar



## Drone video





# **Utilities Advisory Board Monthly Electric Report**

**Regular Meeting  
February 26, 2020**



# F/A Update

## January 2020

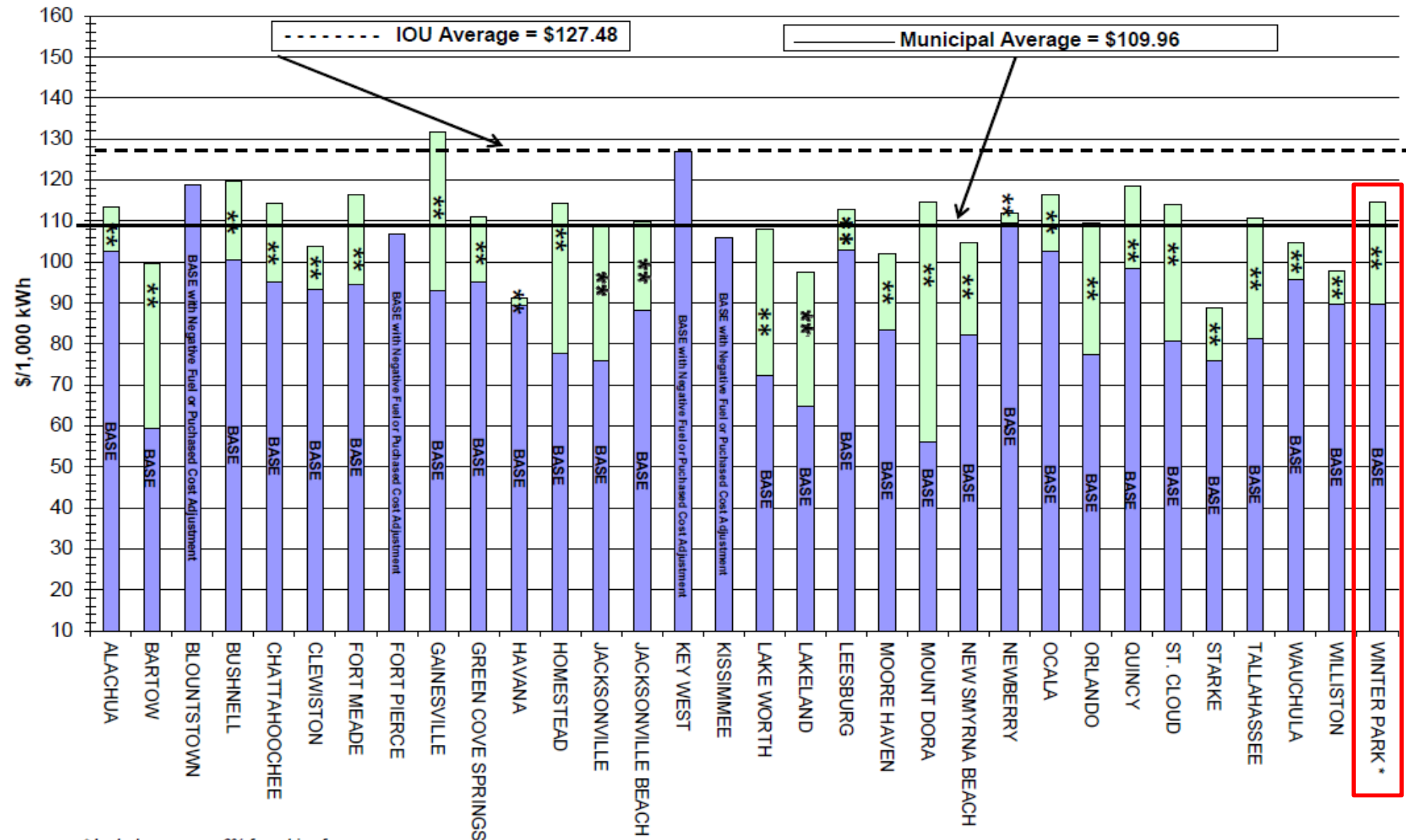


Fuel Cost Recovery	\$
Beginning Balance December 31	\$1,823,821
January Fuel Revenues Collected	\$605,090
January Fuel Cost Purchased Power	\$652,880
Over/(Under) Collected (est.)	-\$47,790
Ending Balance January 31, 2020	\$1,776,031
2020 Calendar Year End Goal	\$1,200,000

- The 2020 fuel adjustment includes return of excess balance.



## Residential Bill Comparison, December 2019



\* Includes average 6% franchise fee.

\*\* Fuel, Purchased Power, or Cost Adjustment

# Duke Energy Rate Compare

## 1,000 kWh Residential Customer



January 2020 (Reflects Winter Park rate changes 10/1/19, fuel Adjustment change January 1, 2020 and Duke 1/1/20 rate changes)

	WPE	Duke	Difference	
			\$	%
Base Bill	\$83.22	\$90.22	7.00	+8.4%
Fuel Adjustment	<u>17.08</u>	<u>30.67</u>	<u>11.99</u>	<u>+48.0%</u>
Base Electric Bill	\$100.30	\$120.89	\$20.59	+20.5%
Franchise Fee & Taxes	\$18.64	\$21.32	\$2.67	+14.3%
Total Electric Bill	\$118.94	\$142.21	\$23.26	+19.6%

# Rate Comparison 1,000 kWh Residential Customer 12 mo. rolling



12 Months Ending December				
City of Winter Park	Muni Avg	IOU Avg	State Avg	City of Winter Park % State Avg
\$113.48	\$111.61	\$126.50	\$113.90	99.62%

- December 2019 latest available state information
- Includes 6% franchise fee, but excludes 10% utility tax and state of Florida gross receipts taxes.
- Above rate information does not include Florida electric cooperatives which is not published.

★ Winter Park rates are 0.38% below the state average and 5.38% below the City's objective to not exceed state average by more than 5%.

# January's Sales Results



Customer Class	Jan. 2020 vs. Jan. 2019	12 mo's ending Jan. 2020 vs. 12 mo's ending Jan. 2019
Residential	-10.06%	+0.22%
Commercial	-0.21%	+1.55%
Streetlights	-1.49%	-1.10%
Total	-4.66%	+0.94%

- Decreases are explained by a 17.43% % reduction in cooling + heating degree days for the respective billing periods and a 2.64% decrease in meter reading days compared to the same billing period last year.

# FY 2020 Budget Review

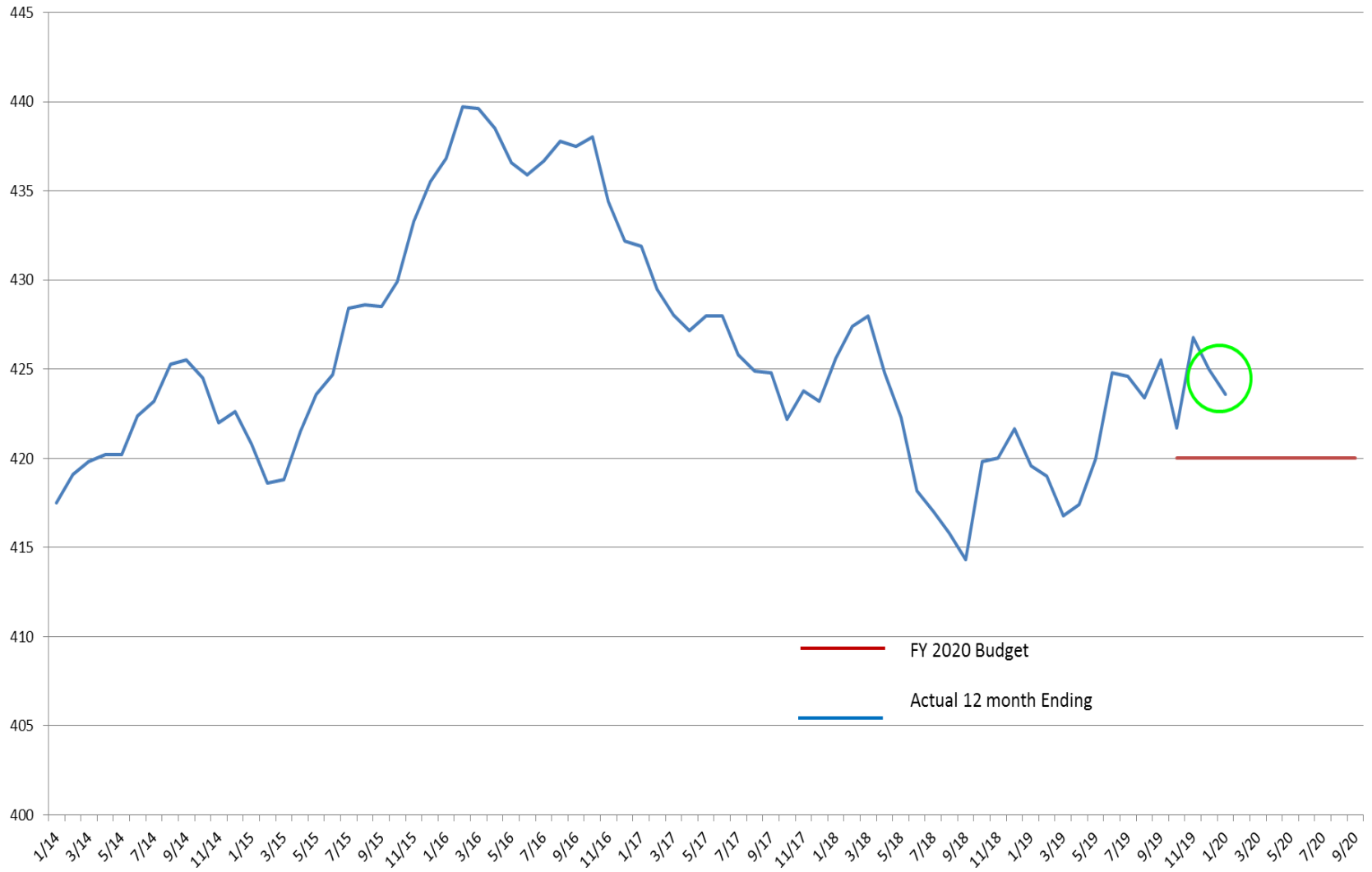


Customer Class	Budget Kwh	12 mo Ending January	Pct. Difference
Residential	187,842.0	186,888.0	-0.51%
Commercial	230,034.1	234,607.5	1.99%
Streetlights	<u>2,123.9</u>	<u>2,100.3</u>	<u>-1.11%</u>
Total	420,000.0	423,595.8	0.86%

- Sales for the 12 months ending January 2020 exceed sales budgeted for fiscal year 2020 by 0.86 %.
- Still too early to tell much about fiscal year's 2020 budget.

## Comparison of 12 mo rolling kWh Sales to FY 2020 Budget

kWh (Millions)







# Budget Review (cont'd)

Customer Class	Budget Mwh	FYTD Actual (Thru Jan.)	10 yr. Avg. Feb-Sept	Total w/ 10 yr. Avg
Residential	187,842.0	59,099.2	128,419.2	187,518.3
Commercial	230,034.1	77,967.9	159,519.7	237,487.6
Streetlights	<u>2,123.9</u>	<u>696.6</u>	<u>1,418.2</u>	<u>2,114.9</u>
Total	420,000.0	137,763.7	289,357.1	427,120.8
				+1.70%

Note: If we experience the average sales by Class as measured over the last ten years for the remainder of the fiscal year, we will exceed total MWh budgeted sales by 1.70%.



# Budget Review (cont'd)

Customer Class	Budget Mwh	FYTD Actual (Thru Jan.)	10 yr. Minimum Feb-Sept	Total w/ 10 yr. Avg
Residential	187,842.0	59,099.2	120,581.7	179,680.8
Commercial	230,034.1	77,967.9	154,266.4	232,234.3
Streetlights	<u>2,123.9</u>	<u>696.6</u>	<u>1,387.2</u>	<u>2,083.8</u>
Total	420,000.0	137,763.7	276,235.2	413,999.0
				-1.43%

Note: If we experience the average sales by Class as measured over the last ten years for the remainder of the fiscal year, we will exceed total MWh budgeted sales by 1.70%.

# Power Supply Update



- Effective 1-1-20 OUC purchase continues under new lower rates.
- Effective 1-1-20 FMPPA began providing all power supply over and above OUC and Covanta purchases.
  - FPL purchase expired 12-31-19
  - FMPPA 10 MW block purchase expired 12-31-19

# Power Supply Update



## OUC January Invoice - Previous Contract vs. New Contract Rates (effective 1-1-20)

	Non-Fuel Charges	Fuel Cost	Total
OUC - January's invoice w/new January Rates	\$103.0k	\$83.3k	\$186.4k
OUC - January's invoice under December rates	\$185.3k	\$182.7k	\$368.0k
Savings (\$)	\$82.3k	\$99.3k	\$181.6k
Savings (%)	44.4%	54.4%	49.4%

# Power Supply Update



## FMPA January Invoice - FPL + 10 MW FMPA Purchase Previous Contract vs. New FMPA Contract Rates (effective 1-1-20)

	Non-Fuel Charges	Fuel Cost	Total
FMPA - January's invoice w/new January Rates	\$194.3k	\$296.9k	\$491.2k
FMPA- January's invoice under FPL + FMPA 10 MW purchase December rates	\$479.5k	\$415.6k	\$895.1k
Savings (\$)	\$285.2k	\$118.7k	\$403.9k
Savings (%)	59.5%	28.6%	45.1%

# FMPA DISTRIBUTION RELIABILITY REPORT

Month & Year: January-20

Name of Utility: Winter Park

## SECTION 1: Reliability Indices - DO NOT INCLUDE PARTIAL OR PLANNED OUTAGES IN SECTION 1 DATA

Please enter the following information:

Sum of All Customer Minutes Interrupted (CMI)	20457
Total number of Customers Served (C)	14872
Total number of Customer Interruptions (CI)	415
Sum of All customer Momentary Interruption Events (CME)	813
Minutes of Interruption	403
Total Number of Outages	7

### SAIDI = System Average Interruption Duration Index

$$= \frac{\text{Sum of All customer Minutes Interrupted (CMI)}}{\text{Total number of Customers Served (C)}} = \frac{20457}{14872} = 1.37553792 \text{ (SAIDI)}$$

### CAIDI = Customer Average Interruption Duration Index

$$= \frac{\text{Sum of All customer Minutes Interrupted (CMI)}}{\text{Total number of Customer Interruptions (CI)}} = \frac{20457}{415} = 49.2939759 \text{ (CAIDI)}$$

### SAIFI = System Average Interruption Frequency Index

$$= \frac{\text{Total Number of Customer Interruptions (CI)}}{\text{Total number of Customers Served (C)}} = \frac{415}{14872} = 0.02790479 \text{ (SAIFI)}$$

### MAIFle = Momentary Average Interruption Event

$$= \frac{\text{Sum of All customer Momentary Interruption Events (CME)}}{\text{Total number of Customers Served (C)}} = \frac{813}{14872} = 0.05466649 \text{ (MAIFle)}$$

### L-Bar = Average Length of a Service Interruption

$$= \frac{\text{Minutes of Interruption}}{\text{Total Number of Outages}} = \frac{403}{7} = 57.5714286 \text{ (L-Bar)}$$

## SECTION 2: Cause of Outages

As required by Docket No. 920229-EI, Rule 25-6.0455, interruptions by cause are listed below.

CAUSE	OVERHEAD	UNDERGROUND	BOTH	TOTAL
1. Weather	1			1
2. Vegetation				
3. Animals	1			1
4. Foreign Interference				
5. Human Cause				
6. Undetermined	1			1
7. Equipment Failure	4			4
8. All Remaining Outages				
<b>Total</b>	<b>7</b>			<b>7</b>

Note: The following outages are compiled for informational purposes only and are not used in calculations of indices

9. Partial Outage				
10. Planned Outage				



**FMPA Distribution Reliability Report to Participants**  
**Reliability Indices**  
**Report for 2019**

**SAIDI**  
**System Average Interruption Duration Index**

SAIDI Utility	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date	Projected Year End	Jan 2019 thru Dec 2019
Bartow	4.766	0.192	1.091	1.688	1.825	1.342	7.102	1.923	1.108	2.480	1.330	0.661	25.508	25.508	25.508
Homestead													-	-	-
Beaches Energy	0.014	0.006	0.131	9.945	3.965	4.335	3.231	6.870	0.312	0.392	0.254	6.878	36.335	36.335	36.335
Keys Energy	8.071	3.138	2.526	3.984	4.829	10.231	4.402	2.952	3.457	4.405	1.141	4.816	53.952	53.952	53.952
Kissimmee	2.945	2.516	3.702	1.091	5.321	3.722	18.933	8.998	2.645	1.387	3.156	3.274	57.690	57.690	57.690
Leesburg	3.692	0.811	4.729	4.874	37.060	19.312	11.459	6.726	1.958	2.357	0.824	7.630	101.431	101.431	101.431
Mt Dora	0.401	0.159	0.229	0.188	8.928	14.715	3.441	0.361	0.688	20.841	0.086	0.004	50.041	50.041	50.041
Fort Pierce	1.248	1.302	1.260	2.670	1.612	3.424	6.648	5.317	5.023	5.857	3.861		38.222	41.697	38.222
Vero Beach													-	-	-
Lakeland	1.380	2.548	1.803	8.198	8.695	22.201	9.028	6.304	4.182	2.014	2.368	5.147	73.867	73.867	73.867
Tallahassee	5.679	7.532	8.807	14.999	9.093	19.671	28.788	18.849	6.156	11.055	8.664	7.350	146.641	146.641	146.641
Gainesville	7.306	3.079	1.553	8.446	5.255	4.087	9.853	6.535	5.876	6.766	0.725		59.481	64.889	59.481
JEA	3.220	5.017	3.020	9.478	9.802	5.120	8.798	6.699	2.297	3.802			57.252	68.703	57.252
New Smyrna Beach	0.841	1.059	4.607	9.383	4.203	1.926	3.820	19.210	14.593	20.306	1.078	5.161	86.187	86.187	86.187
Bushnell	0.102	-	-	3.352	28.249	20.196	9.214	2.728	0.769	1.284	-	0.088	65.983	65.983	65.983
Ocala	1.655	2.500	2.453	7.685	8.894	21.326	10.422	15.450	9.782	4.444	0.746	7.359	92.715	92.715	92.715
Clewiston	0.338	2.587	0.977	2.343	2.353	2.722	15.478	1.210	0.322	1.165	0.505	0.579	30.581	30.581	30.581
Lake Worth	6.587	8.568	1.954	5.628	5.254	9.703	6.888	10.127	13.129	3.055	1.811	7.139	79.842	79.842	79.842
Havana	2.371	0.073	0.623	7.111	80.902	2.194	0.874	1.652	0.310	10.576			106.686	128.023	106.686
Winter Park	0.544	1.305	0.447	1.592	0.941	1.775	1.941	1.177	0.562	2.234	0.951	0.150	13.619	13.619	13.619
Blountstown	0.611	-	0.619	63.742	4.864	2.452	0.804	5.528	0.257	1.400	0.611		80.888	88.242	80.888
Starke	0.123	0.107	5.190	61.153	0.107	1.107	7.198	55.290	17.340	70.144	1.307	2.117	221.183	221.183	221.183
Alachua	1.261	0.786	21.612	2.473	1.634	8.037	9.346	65.320	0.807	1.159	0.265	2.462	115.162	115.162	115.162
Newberry	-	0.035	19.505	2.243	2.377	34.540	3.205	1.680	-	-	-	-	63.585	63.585	63.585
Orlando	1.373	1.906	2.227	3.478	11.957	5.961	5.840	3.623	1.842	5.860	1.047		45.114	49.215	45.114
Overall	3.110	3.646	3.124	7.706	9.118	8.822	10.238	7.963	3.716	5.129	2.393	5.464	70.428	70.428	70.428
Small (10,000 Cust or less)	0.612	0.667	6.830	12.817	9.912	10.139	7.126	20.373	2.551	14.846	0.377	0.938	87.189	87.189	87.189
Medium (10,001 to 25,000 Cust)	3.008	0.802	2.592	3.164	18.214	9.959	7.639	3.976	1.349	2.349	0.978	3.816	57.846	57.846	57.846
Large (25,001 to 50,000 Cust)	3.249	2.640	2.010	6.457	3.971	5.874	4.884	8.716	6.882	6.547	1.555	6.007	58.793	58.793	58.793
X-Large (Greater than 50,000 Cust)	3.145	3.954	3.215	7.962	9.347	9.114	11.082	7.804	3.448	4.888	2.727	5.763	72.448	72.448	72.448

$$\text{SAIDI} = \frac{\text{Sum of all Customer Minutes Interrupted}}{\text{Total number of Customers Served}}$$

SAIDI measures the average *duration* of interruptions for the average customer

**FMPA Distribution Reliability Report to Participants**  
**Reliability Indices**  
**Report for 2019**

**CAIDI**  
**Customer Average Interruption Duration Index**

CAIDI Utility	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date	Jan 2019 thru Dec 2019
Bartow	146.45	87.28	95.84	83.02	74.52	58.58	163.39	102.93	68.66	78.58	128.09	109.47	106.13	106.13
Homestead														-
Beaches Energy	54.67	51.25	66.46	58.61	38.63	69.13	76.33	31.44	3.30	59.85	76.95	90.47	46.67	46.67
Keys Energy	75.82	22.51	16.47	67.10	14.10	97.93	117.01	34.01	27.68	16.98	26.20	21.84	32.21	32.21
Kissimmee	44.00	55.92	49.72	30.73	54.58	42.96	75.15	57.52	42.44	27.81	51.52	69.57	55.76	55.76
Leesburg	37.43	54.43	56.74	82.13	79.80	76.52	59.32	79.07	81.21	30.44	67.32	48.13	66.55	66.55
Mt Dora	78.17	32.00	79.00	23.96	67.17	60.02	23.61	36.43	52.97	172.53	101.00	13.00	72.57	72.57
Fort Pierce	58.44	77.26	78.03	60.57	58.38	47.50	40.75	34.82	83.63	75.34	56.27		53.04	53.04
Vero Beach														-
Lakeland	108.19	70.98	142.13	92.77	76.20	98.69	70.62	93.73	72.48	60.04	53.80	108.06	85.21	85.21
Tallahassee	63.41	95.13	90.84	63.21	61.28	87.56	99.79	85.82	63.04	62.90	110.04	111.67	81.36	81.36
Gainesville	59.23	60.19	123.19	67.75	79.65	113.91	91.61	75.28	76.67	46.68	80.91		70.96	70.96
JEA	35.42	67.63	39.34	47.73	52.05	36.09	47.73	75.48	45.40	62.72			49.59	49.59
New Smyrna Beach	67.90	33.21	69.10	29.58	51.62	54.67	68.97	78.96	92.60	45.14	110.51	24.76	51.65	51.65
Bushnell	120.00	-	-	87.22	120.29	51.52	7.66	69.46	28.13	44.24	-	70.00	33.58	33.58
Ocala	86.28	67.02	61.99	53.97	63.97	70.19	83.48	74.44	51.50	47.19	71.55	86.96	66.57	66.57
Clewiston	68.50	96.33	44.72	108.86	48.69	51.87	83.22	47.69	60.00	51.96	39.90	46.67	69.45	69.45
Lake Worth	42.95	53.69	13.12	21.92	10.09	41.09	26.05	55.24	81.02	105.48	32.42	58.46	34.83	34.83
Havana	26.54	35.00	112.50	59.68	199.61	52.50	66.32	120.00	30.00	130.00			136.25	136.25
Winter Park	126.49	167.83	73.20	100.33	100.99	89.14	83.68	140.93	57.56	168.77	82.67	42.58	102.50	102.50
Blountstown	37.50	-	43.95	92.43	82.09	87.11	35.00	33.62	18.26	30.00	33.00		75.31	75.31
Starke	6.16	50.00	174.29	101.85	30.00	66.70	55.36	97.88	93.28	150.72	55.38	140.48	107.45	107.45
Alachua	185.03	127.68	744.96	61.48	58.08	120.69	319.74	125.51	131.07	47.52	28.07	180.65	147.60	147.60
Newberry	-	14.00	57.11	92.44	59.24	35.03	55.36	32.86	-	-	-	-	42.25	42.25
Orlando	51.67	52.47	38.79	52.31	77.92	52.40	65.48	58.48	85.08	69.38	59.84		61.93	61.93
Overall	47.87	65.01	50.82	53.95	57.35	61.69	65.36	71.70	58.46	57.39	71.42	69.68	60.24	60.24
Small (10,000 Cust or less)	48.93	85.99	154.48	93.25	108.04	52.15	44.97	105.59	83.20	142.93	43.22	123.56	88.04	88.04
Medium (10,001 to 25,000 Cust)	54.25	82.59	59.95	84.52	79.92	76.36	70.54	84.50	74.83	49.10	84.42	49.16	71.00	71.00
Large (25,001 to 50,000 Cust)	57.99	39.27	26.99	38.71	19.05	59.39	46.06	49.11	58.15	40.73	45.04	38.97	41.37	41.37
X-Large (Greater than 50,000 Cust)	46.60	68.56	52.70	55.08	61.87	61.56	67.14	75.03	58.08	59.57	76.57	98.66	62.43	62.43

$$\text{CAIDI} = \frac{\text{Sum of all Customer Minutes Interrupted}}{\text{Total number of Customer Interruptions}}$$

CAIDI measures the average *repair time* experienced by the average interrupted customer

**FMPA Distribution Reliability Report to Participants**  
**Reliability Indices**  
**Report for 2019**

**SAIFI**  
**System Average Interruption Frequency Index**

SAIFI Utility	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date	Projected Year End	Jan 2019 thru Dec 2019
Bartow	0.033	0.002	0.011	0.020	0.024	0.023	0.043	0.019	0.016	0.032	0.010	0.006	0.240	0.240	0.240
Homestead													-	-	-
Beaches Energy	0.000	0.000	0.002	0.170	0.103	0.063	0.042	0.219	0.094	0.007	0.003	0.076	0.778	0.778	0.778
Keys Energy	0.106	0.139	0.153	0.059	0.342	0.104	0.038	0.087	0.125	0.259	0.044	0.221	1.678	1.678	1.678
Kissimmee	0.067	0.045	0.074	0.035	0.097	0.087	0.252	0.156	0.062	0.050	0.061	0.047	1.035	1.035	1.035
Leesburg	0.099	0.015	0.083	0.059	0.464	0.252	0.193	0.085	0.024	0.077	0.012	0.159	1.524	1.524	1.524
Mt Dora	0.005	0.005	0.003	0.008	0.133	0.245	0.146	0.010	0.013	0.121	0.001	0.000	0.690	0.690	0.690
Fort Pierce	0.021	0.017	0.016	0.044	0.028	0.072	0.163	0.153	0.060	0.078	0.069		0.720	0.786	0.720
Vero Beach													-	-	-
Lakeland	0.013	0.036	0.013	0.088	0.114	0.225	0.128	0.067	0.058	0.034	0.044	0.048	0.867	0.867	0.867
Tallahassee	0.090	0.079	0.097	0.237	0.148	0.225	0.288	0.220	0.098	0.176	0.079	0.066	1.802	1.802	1.802
Gainesville	0.123	0.051	0.013	0.125	0.066	0.036	0.108	0.087	0.077	0.145	0.009		0.839	0.915	0.839
JEA	0.091	0.074	0.077	0.199	0.188	0.142	0.184	0.089	0.051	0.061			1.155	1.386	1.155
New Smyrna Beach	0.012	0.032	0.067	0.317	0.081	0.035	0.055	0.243	0.158	0.450	0.010	0.208	1.669	1.669	1.669
Bushnell	0.001	-	-	0.038	0.235	0.392	1.202	0.039	0.027	0.029	-	0.001	1.965	1.965	1.965
Ocala	0.019	0.037	0.040	0.142	0.139	0.304	0.125	0.208	0.190	0.094	0.010	0.085	1.393	1.393	1.393
Clewiston	0.005	0.027	0.022	0.022	0.048	0.052	0.186	0.025	0.005	0.022	0.013	0.012	0.440	0.440	0.440
Lake Worth	0.153	0.160	0.149	0.257	0.521	0.236	0.264	0.183	0.162	0.029	0.056	0.122	2.292	2.292	2.292
Havana	0.089	0.002	0.006	0.119	0.405	0.042	0.013	0.014	0.010	0.081			0.782	0.938	0.782
Winter Park	0.004	0.008	0.006	0.016	0.009	0.020	0.023	0.008	0.010	0.013	0.012	0.004	0.133	0.133	0.133
Blountstown	0.016	-	0.014	0.690	0.059	0.028	0.023	0.164	0.014	0.047	0.019		1.074	1.172	1.074
Starke	0.020	0.002	0.030	0.600	0.004	0.017	0.130	0.565	0.186	0.465	0.024	0.015	2.057	2.057	2.057
Alachua	0.007	0.006	0.029	0.040	0.028	0.067	0.029	0.520	0.006	0.024	0.009	0.014	0.780	0.780	0.780
Newberry	-	0.003	0.342	0.024	0.040	0.986	0.058	0.051	-	-	-	-	1.503	1.503	1.503
Orlando	0.027	0.036	0.057	0.066	0.153	0.114	0.089	0.062	0.022	0.084	0.017		0.729	0.795	0.729
Overall	0.065	0.056	0.061	0.143	0.159	0.143	0.157	0.111	0.064	0.089	0.034	0.078	1.160	1.160	1.160
Small (10,000 Cust or less)	0.013	0.008	0.044	0.137	0.092	0.194	0.158	0.193	0.031	0.104	0.009	0.008	0.990	0.990	0.990
Medium (10,001 to 25,000 Cust)	0.055	0.010	0.043	0.037	0.228	0.130	0.108	0.047	0.018	0.048	0.012	0.078	0.815	0.815	0.815
Large (25,001 to 50,000 Cust)	0.056	0.067	0.074	0.167	0.209	0.099	0.106	0.177	0.118	0.161	0.035	0.154	1.423	1.423	1.423
X-Large (Greater than 50,000 Cust)	0.067	0.058	0.061	0.145	0.151	0.148	0.165	0.104	0.059	0.082	0.036	0.058	1.134	1.134	1.134

$$\text{SAIFI} = \frac{\text{Total number of Customer Interruptions}}{\text{Total number of Customers Served}}$$

SAIFI measures the average *frequency* of interruptions for the average customer

**FMPA Distribution Reliability Report to Participants**  
**Reliability Indices**  
**Report for 2019**

**MAIFle**  
**Momentary Average Interruption event Frequency Index**

MAIFle Utility	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year to Date	Projected Year End	Jan 2019 thru Dec 2019
Bartow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Homestead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beaches Energy	-	0.099	0.114	0.227	0.420	0.483	0.106	0.256	-	0.147	0.267	0.254	2.374	2.374	2.374
Keys Energy	0.099	0.161	0.148	0.093	0.093	0.077	0.484	0.288	0.123	0.114	0.071	0.066	1.815	1.815	1.815
Kissimmee	0.047	0.093	0.182	0.044	0.407	0.563	0.597	0.201	0.171	0.182	0.062	0.065	2.617	2.617	2.617
Leesburg	0.191	0.194	3.410	0.055	0.160	0.243	0.037	0.083	-	0.059	-	-	4.431	4.431	4.431
Mt Dora	1.648	0.991	0.363	0.758	1.389	2.057	1.963	0.863	1.282	0.426	0.167	0.167	12.073	12.073	12.073
Fort Pierce	0.084	0.130	0.348	0.549	1.016	0.888	1.311	0.976	0.870	0.425	0.224	-	6.823	7.443	6.823
Vero Beach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lakeland	0.114	0.154	0.302	0.302	0.446	0.522	0.460	0.367	0.148	0.173	0.113	0.086	3.187	3.187	3.187
Tallahassee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gainesville	0.061	0.022	0.125	0.196	0.107	0.107	0.106	0.098	0.080	0.040	0.010	-	0.951	1.037	0.951
JEA	0.076	0.071	0.109	0.252	0.217	0.172	0.190	0.245	0.045	0.073	-	-	1.450	1.740	1.450
New Smyrna Beach	0.634	0.232	0.414	0.267	1.148	0.755	1.078	1.455	0.375	0.759	0.221	0.537	7.876	7.876	7.876
Bushnell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ocala	0.249	0.137	0.095	0.137	0.553	0.589	0.651	0.604	0.382	0.379	0.082	0.216	4.076	4.076	4.076
Clewiston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake Worth	0.296	0.122	0.024	0.341	0.588	1.415	0.539	0.757	-	0.146	0.223	0.357	4.809	4.809	4.809
Havana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Winter Park	0.086	-	-	-	-	-	-	-	-	-	-	-	0.086	0.086	0.086
Blountstown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Starke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alachua	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Newberry	-	0.318	0.654	1.206	0.638	1.159	0.313	-	0.406	-	-	0.260	4.954	4.954	4.954
Orlando	0.370	0.423	0.343	0.446	0.697	1.006	1.130	0.789	0.442	0.358	0.264	-	6.267	6.837	6.267
Overall	0.147	0.144	0.228	0.245	0.359	0.425	0.444	0.371	0.167	0.164	0.127	0.113	2.933	2.933	2.720
Small (10,000 Cust or less)	0.416	0.277	0.147	0.294	0.404	0.616	0.521	0.217	0.357	0.107	0.045	0.072	3.473	3.473	3.473
Medium (10,001 to 25,000 Cust)	0.116	0.090	1.582	0.026	0.076	0.115	0.017	0.039	-	0.028	-	-	2.089	2.089	2.089
Large (25,001 to 50,000 Cust)	0.209	0.147	0.206	0.289	0.635	0.696	0.674	0.718	0.262	0.310	0.202	0.296	4.645	4.645	4.645
X-Large (Greater than 50,000 Cust)	0.136	0.144	0.172	0.248	0.336	0.401	0.432	0.345	0.158	0.153	0.124	0.072	2.720	2.720	2.720

$$\text{MAIFle} = \frac{\text{Total number of Customer Momentary Interruption Events}}{\text{Total number of Customers Served}}$$

MAIFle measures the average *frequency* of momentary interruption events for the average customer

**FMPA Distribution Reliability Report to Participants**  
**Reliability Indices**  
**Report for 2019**

**L-BAR**

L-Bar													Year to Date		Jan 2019 thru Dec 2019
Utility	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
Bartow	156.06	97.07	93.92	90.37	96.56	88.37	104.26	149.26	145.42	80.88	109.74	88.77	112.96		112.96
Homestead															-
Beaches Energy	51.00	130.50	93.33	80.20	120.83	97.50	104.33	62.56	55.00	713.25	935.33	597.67	260.68		260.68
Keys Energy	101.50	67.35	79.84	85.58	68.14	99.10	105.87	92.19	64.60	61.86	75.22	52.50	83.00		83.00
Kissimmee	76.09	69.45	78.12	61.32	74.06	63.85	97.84	69.95	77.57	64.15	63.17	87.75	75.25		75.25
Leesburg	68.60	12.39	39.08	-	145.18	48.67	71.46	46.11	16.67	76.56	16.05	143.48	60.85		60.85
Mt Dora	85.00	32.00	79.00	28.67	97.00	90.00	118.50	47.50	83.17	262.33	101.00	13.00	94.45		94.45
Fort Pierce	69.50	85.05	92.52	75.79	64.85	63.58	64.14	153.06	89.69	90.40	99.36		85.52		85.52
Vero Beach															-
Lakeland	105.32	104.15	134.75	115.99	109.78	124.42	138.11	124.40	120.90	90.19	78.95	141.32	119.69		119.69
Tallahassee	102.46	111.55	106.76	92.36	100.73	132.80	127.92	113.60	98.86	104.16	99.27	90.70	108.94		108.94
Gainesville	101.85	109.71	55.85	304.61	127.91	135.91	160.66	154.10	123.37	106.08	84.68		153.81		153.81
JEA	116.08	113.52	122.72	180.59	149.18	119.62	151.18	159.20	116.97	127.48			140.67		140.67
New Smyrna Beach	82.70	53.11	81.11	77.02	73.56	66.37	76.93	76.08	81.95	72.84	80.05	64.92	73.81		73.81
Bushnell	120.00	-	-	83.33	91.25	56.00	350.40	57.50	20.00	44.20	-	70.00	102.32		102.32
Ocala	79.18	61.55	80.02	94.12	101.82	76.81	88.26	76.37	66.78	63.57	65.75	88.32	81.19		81.19
Clewiston	77.50	59.44	56.67	68.75	48.64	59.40	153.67	85.00	60.00	73.33	50.00	48.57	70.34		70.34
Lake Worth	132.46	117.93	107.34	97.20	85.93	147.41	95.03	149.05	111.19	119.39	122.54	113.18	119.40		119.40
Havana	22.50	35.00	360.00	50.00	131.00	52.50	80.00	120.00	30.00	140.00			101.43		101.43
Winter Park	93.50	143.00	102.70	127.50	99.93	99.19	80.25	134.47	53.29	97.61	65.13	47.00	98.84		98.84
Blountstown	42.00	-	41.67	51.58	44.43	37.50	35.00	31.33	20.50	33.00	33.00		38.69		38.69
Starke	862.50	180.00	100.00	75.00	30.00	103.13	71.25	72.00	70.00	132.86	45.00	146.67	145.32		145.32
Alachua	122.00	87.50	163.13	71.80	44.83	180.25	182.59	228.50	93.75	47.00	26.33	142.14	142.63		142.63
Newberry	-	14.00	49.00	93.50	52.50	37.50	47.25	53.33	-	-	-	-	59.57		59.57
Orlando	60.62	65.71	66.74	65.25	91.58	71.15	74.21	73.89	66.86	72.66	57.45		72.67		72.67
Overall	102.70	93.96	100.34	132.74	115.59	102.20	120.54	123.42	97.12	102.95	89.55	115.46	111.42		111.42
Small (10,000 Cust or less)	187.31	78.29	109.86	65.34	63.79	97.38	148.50	121.10	54.45	90.95	45.62	104.45	98.96		98.96
Medium (10,001 to 25,000 Cust)	96.60	60.59	62.15	56.17	129.85	73.48	87.44	101.15	65.35	89.58	77.91	120.21	85.34		85.34
Large (25,001 to 50,000 Cust)	97.01	81.23	92.41	81.54	75.07	88.80	80.88	119.85	87.91	117.04	145.31	153.11	98.88		98.88
X-Large (Greater than 50,000 Cust)	100.69	98.50	104.38	145.71	120.44	106.91	127.40	125.22	102.48	102.05	76.20	102.23	115.62		115.62

$$\text{L-Bar} = \frac{\text{Total minutes of interruption}}{\text{Total number of interruptions}}$$

L-Bar measures the average *length of a single outage*

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# Financial Report

For the Month of January (33% of fiscal year lapsed) Fiscal Year 2020

## **Water and Sewer Fund**

Sewer sales in terms of thousands of gallons are 0.83% greater than the first four months of FY 2019. Water sales are down 0.10% for the same comparable period.

Rates were increased by 2.36% effective October 1, 2019.

Operating expenses are 5.67% lower than they were for the first four months of the prior fiscal year and are projected to be \$564,501 (2.60% less than the budget).

\$3,724,515 of the Other Capital Spending budget is for Winter Park's share of improvements to the Iron Bridge Wastewater Treatment Facility. Another \$916,813 is for relocating water and sewer lines for the I-4 Ultimate Project. The time frame for spending these project dollars is mostly determined by other parties.

The bottom line is a positive addition of \$1,164,135.

## **Electric Services Fund**

kWh sales for October – January are on track to exceed the projection of 420,000,000 kWh by about 8,000,000 kWh based on historical trends applied to current sales.

The City over recovered on fuel costs for the first four months by \$460,830. This results from both lower natural gas prices as well as a very favorable power sales vs. power purchases ratio of 112.50%. This ratio should get closer to 95% for the fiscal year as we get into the months where more power is purchased than sold. Customers are billed over 20 billing cycles that occur throughout each month to level the workload of billing, working with customers on any questions they have and service disconnections for non-payment. A large portion of the kWh billed to a customer in any given month is based on customer usage in the preceding calendar month. Power is purchased based on kWh delivered to the substations from the first day of the month to the last.

Fuel rates were reduced significantly January 1, 2020 which will return the over recovery to the customers over the calendar year. The City has set a target fuel cost stabilization fund balance of \$1,200,000 at December 31, 2020. The balance at January 31, 2020 was \$1,776,031. The reduction in fuel cost recovery rates is expected to reduce the electric portion of customer bills by 6 – 8%.

The City extended its interconnection agreement with Orlando Utilities Commission (OUC) through December 2026. This contract extension is expected to reduce fuel costs by \$833,091 and



non-fuel costs by \$726,911 for the calendar year 2020 in comparison to fiscal year 2019 costs based on FY 2019 kWh purchases.

Spending on undergrounding is behind schedule for the first four months of the fiscal year. This together with the over recovery on fuel, and the ratio of sales to purchases of kWh make this period look more favorable for these four months than where we project to be for the fiscal year. For the fiscal year projections, we assumed fuel will under recover by \$115,000, and that all budgeted capital and undergrounding funds will be spent.

We are still on track to erase the Electric Fund's cash deficit based on the factors below as well as the OUC contract extension:

Unrestricted cash balance – 09/30/2019	(3,885,984.47)
Reimbursement from FDOT for FY 2019 Fairbanks work that was received in FY 2020	1,242,730.70
Reimbursement from FEMA and State for Hurricane Irma work expected to be received in FY 2020	819,889.23
Substation transformer replacement in FY 2020 budget not expected to occur	1,000,000.00
Contingency in FY 2020 budget	940,938.00
Projected unrestricted cash balance – 09/30/2020	117,573.46

**WINTER PARK WATER AND WASTEWATER METRICS**  
**January 31, 2020**

	FY 2020 YTD				FY 2019 YTD	
	FY 2020 YTD	FY 2020 Annualized	FY 2020 Budget	Variance from Budget	FY 2019 YTD	FY 2019 in Total
<b>Operating Performance:</b>						
<b>Water and Irrigation Sales (thousands of gallons)</b>						
Sewer - inside city limits	348,450	1,041,999	1,015,000	26,999	342,909	1,011,909
Sewer - outside city limits	296,026	878,336	890,000	(11,664)	296,258	875,441
Water - inside city limits	545,814	1,640,195	1,500,000	140,195	530,169	1,570,520
Irrigation - Inside City	198,394	591,675	585,000	6,675	209,791	597,526
Water - outside city limits	401,515	1,191,793	1,235,000	(43,207)	404,796	1,191,314
Irrigation - Outside City	35,535	106,440	115,000	(8,560)	37,681	113,481
<b>Total</b>	<b>1,825,735</b>	<b>5,450,439</b>	<b>5,340,000</b>	<b>110,439</b>	<b>1,821,605</b>	<b>5,360,191</b>
<b>Operating revenues:</b>						
Sewer - inside city limits	\$ 2,300,760	\$ 6,880,161	\$ 6,853,863	\$ 26,298	2,229,357	6,578,659
Sewer - outside city limits	2,407,782	7,144,097	7,187,087	(42,990)	2,340,652	6,904,201
Water - inside city limits	3,291,839	9,892,115	9,416,085	476,030	3,180,689	9,311,730
Water - outside city limits	1,968,118	5,841,846	5,860,424	(18,578)	1,925,937	5,715,448
Other operating revenues	620,667	1,862,002	1,710,000	152,002	631,429	1,774,573
<b>Total operating revenues</b>	<b>10,589,166</b>	<b>31,620,222</b>	<b>31,027,459</b>	<b>592,763</b>	<b>10,308,064</b>	<b>30,284,611</b>
<b>Operating expenses:</b>						
General and adminstration	633,871	1,901,612	2,037,150	135,538	479,529	1,935,137
Operations	3,644,272	13,666,018	13,844,606	178,587	3,743,911	12,859,869
Labor costs capitalized	60,000	180,000	400,000	220,000	32,457	415,000
Wastewater treatment by other agencies	1,799,579	5,398,738	5,429,114	30,376	2,250,977	5,114,188
<b>Total operating expenses</b>	<b>6,137,722</b>	<b>21,146,369</b>	<b>21,710,870</b>	<b>564,501</b>	<b>6,506,874</b>	<b>20,324,194</b>
<b>Net Operating income</b>	<b>4,451,445</b>	<b>10,473,853</b>	<b>9,316,589</b>	<b>1,157,264</b>	<b>3,801,190</b>	<b>9,960,418</b>

**WINTER PARK WATER AND WASTEWATER METRICS**  
**January 31, 2020**

	FY 2020 YTD				FY 2019 YTD	
	FY 2020 YTD	FY 2020 Annualized	FY 2020 Budget	Variance from Budget	FY 2019 YTD	FY 2019 in Total
<b>Other sources (uses):</b>						
Investment earnings	134,882	404,645	58,154	346,491	233,843	446,431
Miscellaneous revenue	6,619	19,857	12,000	7,857	850	19,899
Transfer to Renewal and Replacement Fund	(543,596)	(1,630,789)	(1,630,789)	0	(686,842)	(2,096,335)
Transfer to General Fund	(848,980)	(2,546,941)	(2,546,941)	0	(815,516)	(2,446,548)
Transfer for Organizational Support	(25,883)	(77,650)	(77,650)	0	(25,785)	(77,354)
Transfer to Capital Projects Fund	(69,167)	(207,500)	(207,500)	(0)	(50,513)	(351,538)
Transfer to Electric Fund	(60,665)	(181,995)	(181,995)	-	(62,810)	(188,431)
Other Capital Spending	(262,767)	(788,300)	(6,068,938)	5,280,638	(4,009)	(169,358)
Debt service sinking fund deposits	(1,617,752)	(4,846,491)	(4,849,490)	2,999	(1,810,571)	(5,176,360)
<b>Total other sources (uses)</b>	<b>(3,287,310)</b>	<b>(9,855,164)</b>	<b>(15,493,149)</b>	<b>5,637,985</b>	<b>(3,221,353)</b>	<b>(10,039,594)</b>
<b>Net increase (decrease) in funds</b>	<b>\$ 1,164,135</b>	<b>\$ 618,689</b>	<b>\$ (6,176,560)</b>	<b>\$ 6,795,249</b>	<b>579,837</b>	<b>(79,177)</b>
<b>Debt service coverage</b>		<b>2.29</b>				<b>2.09</b>

# WINTER PARK ELECTRIC UTILITY METRICS

January 31, 2020

	<b><u>FY'20</u></b> <b><u>YTD</u></b>	<b><u>FY'20</u></b> <b><u>Annualized</u></b>	<b><u>FY'20</u></b> <b><u>Budget</u></b>	<b><u>Variance</u></b> <b><u>from</u></b> <b><u>Budget</u></b>	<b><u>FY'19</u></b>	<b><u>FY'18</u></b>	<b><u>FY'17</u></b>
<b><u>Technical Performance</u></b>							
Net Sales (kWh)	137,763,729	428,338,278	420,000,000	8,338,278	425,487,483	414,329,035	424,821,271
Average Revenue/kWh	0.1074	0.1054			10.98%		0.1043
Wholesale Power Purchased (kWh)	128,447,529	428,128,622	442,105,263	(13,976,641)	439,804,052	434,246,377	429,845,391
Wholesale Power Cost/kWh	(0.0546)	(0.0519)			(0)		(0.0627)
Gross margin	0.0528	0.0535			5.07%		0.0415
Sold vs. Purchased kWh Ratio	107.25%	100.05%	95.00%		96.74%	95.41%	98.83%
<b><u>Revenues and Expenses Directly Related to Sales of Electricity:</u></b>							
Electric Sales:							
Customer charges - residential	821,834	2,465,501	2,482,314	(16,812)	2,232,225		
Customer charges - commercial and public authority	181,572	544,716	548,363	(3,647)	499,223		
Demand charges	983,201	2,949,603	2,916,488	33,115	2,694,021		
Street Lighting	125,638	376,914	383,100	(6,186)	380,733		
Non-Fuel kWh charges	8,938,020	28,097,994	27,342,334	755,660	28,308,084	33,381,040	30,628,559
Fuel	3,750,910	10,691,460	12,156,576	(1,465,116)	12,623,109	13,739,354	13,663,392
Purchased Power :							
Fuel	(3,288,584)	(10,806,661)	(12,156,576)	1,349,915	(12,616,487)	(13,739,354)	(12,619,342)
Non-Fuel	(2,676,676)	(8,250,678)	(7,539,787)	(710,891)	(9,916,779)	(10,180,683)	(10,778,312)
Transmission Power Cost	(1,050,196)	(3,150,588)	(3,357,884)	207,296	(3,468,020)	(3,510,746)	(3,558,875)
<b>Net Revenue from Sales of Electricity</b>	<b>7,785,718</b>	<b>22,918,261</b>	<b>22,774,927</b>	<b>143,334</b>	<b>20,736,109</b>	<b>19,689,611</b>	<b>17,335,422</b>
<b><u>Other Operating Income (Expenses):</u></b>							
Other Operating Revenues	53,938	161,815	346,900	(185,085)	319,801	350,997	276,212
General and Administrative Expenses	(668,710)	(2,006,131)	(1,886,309)	(119,822)	(2,011,213)	(1,804,767)	(1,705,609)
Operating Expenses	(1,717,688)	(5,153,063)	(5,981,691)	828,628	(5,721,815)	(5,616,455)	(7,170,834)
Total Other Operating Income (Expenses)	(2,332,460)	(6,997,379)	(7,521,100)	523,722	(7,413,227)	(7,070,224)	(8,600,231)
<b>Net Operating Income</b>	<b>5,453,258</b>	<b>15,920,882</b>	<b>15,253,827</b>	<b>667,055</b>	<b>13,322,883</b>	<b>12,619,387</b>	<b>8,735,191</b>

# WINTER PARK ELECTRIC UTILITY METRICS

January 31, 2020

	<b><u>FY'20</u></b>	<b><u>FY'20</u></b>	<b><u>FY'20</u></b>	<b><u>Variance</u></b>	<b><u>FY'19</u></b>	<b><u>FY'18</u></b>	<b><u>FY'17</u></b>
	<b><u>YTD</u></b>	<b><u>Annualized</u></b>	<b><u>Budget</u></b>	<b><u>from</u></b>			
				<b><u>Budget</u></b>			
<b>Nonoperating Revenues (Expenses):</b>							
Investment Earnings	(32,263)	(96,790)	(25,000)	(71,790)	(386,874)	(34,021)	(35,398)
Principal on Debt	(971,667)	(2,915,000)	(2,915,000)	-	(2,670,000)	(2,530,000)	(2,450,000)
Interest on Debt	(618,009)	(1,854,026)	(1,876,526)	22,500	(2,218,854)	(2,913,548)	(2,995,826)
Miscellaneous Revenue	11,328	33,985	-	33,985	22,635	83,427	21,910
Proceeds from Sale of Assets	2,731	8,193	25,000	(16,807)	25,886	32,599	18,592
Contributions in Aid of Construction (CIAC)	110,188	330,563	500,000	(169,437)	479,648	789,480	498,577
Residential Underground Conversions	38,040	114,120	80,000	34,120	68,245	81,158	94,004
Capital (including the costs of improvements paid for by CIAC revenues)	(189,673)	(2,075,000)	(2,075,000)	-	(2,174,625)	(1,678,010)	(1,546,321)
Replacement of Substation Transformer	-	-	(1,000,000)	1,000,000			
Reimbursement of Fairbanks Distribution Line Costs	936,275	1,738,873	-	1,738,873	1,333,048		
Undergrounding Fairbanks Distribution Lines	(936,275)	(1,738,873)	(1,738,873)	-	(1,333,048)	(1,029)	-
Undergrounding of Power Lines	(1,127,653)	(4,425,000)	(4,425,000)	-	(3,851,032)	(4,429,125)	(3,303,800)
<b>Total Nonoperating Revenues (Expenses)</b>	<b>(2,776,978)</b>	<b>(10,878,955)</b>	<b>(13,450,399)</b>	<b>2,571,444</b>	<b>(10,704,970)</b>	<b>(10,599,071)</b>	<b>(9,698,262)</b>
<b>Income Before Operating Transfers</b>	<b>2,676,280</b>	<b>5,041,927</b>	<b>1,803,428</b>	<b>3,238,499</b>	<b>2,617,913</b>	<b>2,020,317</b>	<b>(963,071)</b>
<b>Operating Transfers In/Out:</b>							
Transfers from Water and Sewer Fund	60,665	181,995	181,995	-	188,431	146,561	1,151,088
Transfers to General Fund	(816,024)	(2,565,292)	(2,545,301)	(19,991)	(2,577,382)	(2,557,836)	(2,463,692)
Tranfers for organizational support	(41,066)	(123,198)	(123,198)	-	(126,258)	(120,705)	(118,947)
Tranfers to capital projects	(44,167)	(132,500)	(132,500)	-	(99,615)	(122,500)	(179,771)
<b>Total Operating Transfers</b>	<b>(840,591)</b>	<b>(2,638,995)</b>	<b>(2,619,004)</b>	<b>(19,991)</b>	<b>(2,614,824)</b>	<b>(2,654,480)</b>	<b>(1,611,322)</b>
<b>Net Change in Working Capital</b>	<b>1,835,689</b>	<b>2,402,932</b>	<b>(815,576)</b>	<b>3,218,508</b>	<b>3,089</b>	<b>(634,164)</b>	<b>(2,574,393)</b>
<b><u>Other Financial Parameters</u></b>							
Debt Service Coverage		3.32			2.65	2.31	1.72
Fixed Rate Bonds Outstanding	55,945,000				56,595,000	62,185,000	64,685,000
Auction Rate Bonds Outstanding	-					1,000,000	1,030,000
Total Bonds Outstanding	55,945,000				56,595,000	63,185,000	65,715,000
Principal Retired						2,530,000	2,450,000
Cash Balance					(3,885,984)	(2,377,803)	(324,693)
<b>Current year change in cash balance</b>					<b>(1,508,181)</b>		
<b><u>Fuel Cost Stabilization Fund Balance:</u></b>							
Beginning Balance	1,315,201					1,998,073	2,127,701
Fuel Revenues	3,749,414					13,516,532	13,821,741
Fuel Expenses	(3,288,584)					(14,211,039)	(13,951,369)
Ending Balance	1,776,031					1,303,566	1,998,073
<b>Current year change in fuel stabilization fund</b>	<b>460,830</b>					<b>(694,507)</b>	<b>(129,628)</b>