Utilities Advisory Board Regular Meeting

Agenda

October 25, 2022 @ 12:00 pm

Virtual

welcome

Agendas and all backup material supporting each agenda item are accessible via the city's website at cityofwinterpark.org/bpm and include virtual meeting instructions.

assistance & appeals

Persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office (407-599-3277) at least 48 hours in advance of the meeting.

"If a person decides to appeal any decision made by the Board with respect to any matter considered at this hearing, a record of the proceedings is needed to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based." (F.S. 286.0105).

please note

Times are projected and subject to change.

agenda	time
1. Call to Order	
2. Consent Agenda	
a. Approval of the regular meeting minutes August 23, 2022	1 minute
3. Public Comments (for items not on the agenda): Three minutes allowed for each speaker	
4. Action Items	
a. Review update to Cost of Service Study - Craig Shepard	30 minutes
b. Educational Campaign - Clarissa Howard	20 minutes
5. Non-Action Items	
a. SAIDI – Data Available & How to Communicate – Justin Isler	15 minutes
b. Financial report for the fiscal year ended September 30, 2022	15 minutes
6. Staff Updates	
a. Electric Utility - Dan D'Alessandro	5 minutes
b. Water & Wastewater Utility - David Zusi	5 minutes
c. Performance Measurement - (attachment only)	5 minutes
7. Board Comments	
a. Broadband and Smart City Ad-Hoc Committee Update - Paul Conway	5 minutes
8. Upcoming Agenda Items	
a. Upcoming Board Items	5 minutes
9. Adjournment	

Utilities Advisory Board

agenda item

item type Consent Agenda	meeting date October 25, 2022
prepared by Pamela Bracko	approved by
board approval	
strategic objective	

subject
Approval of the regular meeting minutes August 23, 2022

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:
Board Meeting Minutes August 23 2022 draft 1.pdf

Utilities Advisory Board Regular Meeting Minutes

August 23,2022 at 12:02 p.m.

Hybrid

Present

Vice Chair; Linda Lindsey, Leon Huffman, Mary Dipboye, Paul Conway, Alison Yurko, Fred Guitton, (arrived at 12:27)

Assistant Director of Electric; Justin Isler, Director of Water & Wastewater Utility; David Zusi; Director of Finance; Wes Hamil; Assistant Director of Water & Wastewater Utilities; Jason Riegler; Director of Communications; Clarissa Howard; Director of Sustainability; Gloria Eby (zoom), and Recording Secretary; Pamela Bracko

Absent: Michael Poole (Chairman)

(1) Call to Order

Linda Lindsey called the meeting to order at 12:02 p.m.

(2) Consent Agenda

Motion made by Paul Conway, seconded by Mary Dipboye to approve the July 26,2022 meeting minutes. Motion carried unanimously with a 5-0 vote

(3) Staff Updates

Mr. Zusi reminded the Board Members to reframe from communicating with each other on board matters outside of regularly scheduled meetings.

Educational Campaign - Ms. Howard discussed the Educational Campaign with handouts to the Board which covers electric and water utilities. She provided stats with charts within the handout. There were rate comparisons with other utility companies. She spoke of the undergrounding and solar projects that are happening within the city, fuel cost increases and provided detail. She spoke of the water conservations such as rebates and restrictions.
Ms. Lindsey requested getting the information sooner to have the opportunity to read it and be prepared to ask questions. Please include OUC in the graphs since we have customers that use them as their provider. Also, use the car wraps to advertise the City's Website.

Electric Utility – Mr. Isler had nothing to report and asked for questions. No one had any questions.

Water and Wastewater – Mr. Zusi mentioned that he was working with Sustainability and Lake Boards on how to deal with private lift stations. He will bring the results back to this board.

Sustainability Quarterly Report - Ms. Eby mentioned that the draft, "Sustainability Action Plan" was recently updated and consolidated and was presented to "Keep Winter Park Beautiful" board and will go to a work shop session September 29th. Rebates for electric and water have been relaunched. There have been 41 requests in the first month to have energy audits. They are getting about 5 requests on average weekly for energy audits. They will be working with schools and library to promote restoration and community as water conservation. September 24th there will be an electric vehicle car show. There will be table events, great venues and vendors and hope to have up to 30 cars on site and it will be held at the Farmers Market. There will be a water paddle board clean up this weekend August 27, at 9 a.m. There is also a program, "fix it, don't pitch it" event happening September 17th. One more thing happening, recycling election signs by a new company "New Cycle" which redevelops the product away from fossil fuels to create fuel cells which create different types of products.

Performance Measurements - Mr. Hamil had a chart with statistics showing the call volume and what the calls entailed. Average wait time slipped in June due to loss of staffing and we went live with the new system. The auto pay has gone from PSN (Payment Service Network) to Paymentus and customers need to resign up for auto pay.

(4) Public Comments (for items not on Agenda)

None

(5) Non-Action Items

1. **Septic Tank Incentive Program -** Mr. Zusi spoke about the septic tank connectivity to sewer and if it's available to the customer. The plan is to have customers pay 20% of the impact fee up front, then spread the rest over a 24-month period evenly. This would be all voluntary for the customer unless their septic tanks or drainage field fail, then a permit would not be issued and the customer would have to connect to sewer. If you are a new construction and sewer is available, then you have to connect to sewer.

2. **Roadmap to Renewable Resources** – Ms. Eby stated our status for renewable contract is with Quanta Technologies and has been finalized. A letter of intent will be sent to begin work and we anticipate our first kick off meeting. Within 2 weeks all that exciting work shall begin.

   Energy Efficient Study – Ms. Eby mentioned that "15 Light Years" is currently doing the rebates and audits for residential customers. The contract was amended to include City buildings. It will not be all buildings, but the most important buildings. We will be getting a quote to see how many of those buildings we can afford and are excited for that kick off to begin.

3. **Fuel Cost Recovery** – Mr. Hamil discussed the fuel cost recovery showing charts and graphs. Jerry Warren provided a spreadsheet allowing us to forecast the fuel cost stabilization fund balance at March 2023 based on the fuel cost recovery rate selected. There was great discussion by the Board in regards to not impacting the customers too much. After much discussion they would like to set the average fuel rate at a level that would provide a $200,000 balance in the fuel fund at March 2023.

(6) Action Items

UAB Strategic Plan - Mr. Zusi did not have any further update past where we were at the last UAB meeting. We attempted to use a piggybacking methodology to use the engineer to do our strategic planning for us but was denied by the procurement group. This will be put on the agenda for the next month. Ms. Lindsey suggested for the Board for the next month's update we have a start date recognizing that when it starts it can still take months before it's brought to the Commission.

(7) Public Hearings

None

(8) Board Comments

Broadband and Smart City – Mr. Conway commented that we got the RFP for an outside consultant to help with the network analysis. The new committee will meet September 13th to go over the proposals and get them down to three. September 20th there will be a public meeting.

Mr. Huffman asked what kind of electrical drain is it to charge the electric cars. Homes could potentially need an electrical upgrade. There will be research done and bring this back to the UAB meeting in September, October, or November.

(9) Adjournment

Meeting adjourned at 2:32 p.m. Next meeting September 27,2022

Minutes approved the board on mm/dd/yyyy.
/s/ Recording Secretary Pamela Bracko

Utilities Advisory Board

agenda item

item type Action Items	meeting date October 25, 2022
prepared by Wes Hamil	approved by
board approval	
strategic objective	

subject
Review update to Cost of Service Study - Craig Shepard

motion / recommendation
Develop recommendation to the City Commission for electric rates

background
Leidos Engineering, LLC has prepared an update to the 2021 electric cost of service study which is attached. The update reflects the FY 2023 proposed Electric Fund budget, updated customers and energy sales, updated load characteristics, and options for combining the Time of Use customers with the General Service Demand class. Craig Shepard with Leidos will be present at our meeting to review the updated report with the board.

alternatives / other considerations
Rate options and the impact to customers are presented in the tables included in the attached report

fiscal impact
The study is designed to be revenue neutral for any changes in rates.

ATTACHMENTS:
Letter Report Draft 1.pdf

DRAFT

September __, 2022

Utility Advisory Board
City of Winter Park
City Hall, 401 South Park Avenue
Winter Park, Florida 32789

Subject: **Electric Cost of Service Update**

Ladies and Gentlemen:

In keeping with the provisions of the professional services agreement between the City of Winter Park, Florida (the City) and Leidos Engineering, LLC, (the Consultant) and the direction provided by the City management and staff and Utility Advisory Board (UAB), the Electric Cost of Service Update (the Report) has been completed. The Report addresses the projected financial operations of the City's electric system (Electric System) for the fiscal year ending September 30, 2023. We have summarized our assumptions and the results of our analyses and conclusions in this Report, which we hereby submit for your consideration. This Report summarizes the basis for the proposed rate options for electric service that are necessary to meet the projected revenue requirements in the near future and which rates should recover such projected requirements from the customer classes generally in accordance with the direction provided by the City, the guidelines of the Florida Public Service Commission (the PSC) and the results of the allocated cost of service analyses.

The Consultant completed an Electric Cost of Service Study in 2021. The results of that study indicated small decreases in rates for the residential and small commercial customers and small increases for large commercial customers, for a total revenue neutral adjustment. The UAB requested an update of the Study to reflect (i) updated historical and projected customers and energy sales, (ii) actual fiscal year 2021 load characteristics, (iii) fiscal year 2023 revenue requirements, and (iv) combining the Time of Use customers with the General Service Demand class.

In preparing the Electric Cost of Service Update, the Consultant relied upon historical and projected data for the development of operating revenues, operating expenses and capital requirements. Historical data were obtained from various monthly reports, the City's Comprehensive Annual Financial Reports, actual customer billing records, and analyses and discussions with members of the City management and staff. Projected data were, in part, derived from the Electric System's current forecast of demand and energy requirements, the Electric System Operating Budget for Fiscal Year 2023 (the Budget), and detailed information and data compiled and provided by members of the City management and staff.

SUMMARY OF FINDINGS

HISTORICAL AND PROJECTED CUSTOMERS AND ENERGY SALES

Table No. 1 shows the historical and projected number of customers and energy sales by month by rate class for the fiscal years ending September 30, 2019 through 2022. As shown on the table, the number of customers has increased slightly and the energy sales have remained very stable. For purposes of this update, the numbers for fiscal year 2022 have been assumed to be the same as those for the actual fiscal year 2021. Table No. 2 summarizes the historical and projected annual energy sales by class for the period. The projected annual energy sales are approximately 422,000 MWh.

PROJECTED REVENUE REQUIREMENTS

The projected revenue requirements for the fiscal year ending September 30, 2023 are based on the fiscal year 2023 Budget. The projected revenue requirements are shown on Table No. 3, along with revenue requirements for the previous Test Year 2020, actual 2021, and budgeted 2022. The revenue requirements for 2023 are projected to increase due to increases in purchased Bulk Power costs as a result of increases in natural gas prices. Changes in Bulk Power costs are recovered through changes in the fuel adjustment charges. Based on the 2023 Budget, the total revenue requirements for fiscal year 2023 are $54,253,000.

LOAD RESEARCH RESULTS

The City has an advanced metering system where hourly demands for each meter can be recorded and compiled. For the 2021 Study, the City provided the results of load research for the period November 2018 through October 2019. For this update the City provided load research results for the period March 2021 through February 2022. As shown on Table No. 4, the updated results are similar to the previous results. Based on this load research for 95% of residential customers, the residential class average contribution to the system peak load ranges from 51.8% to 53.4%.

ALLOCATION FACTORS

Demand, energy, and customer allocation factors are developed and shown in Table No. 5. The General Service Demand and Time of Use classes have been combined into a single class. As in the 2021 Study, the allocation methods are based on industry practices and guidelines provided by the Florida Public Service Commission. Similar to the 2021 Study, the residential class is about 45% of the system energy and 52% of the system non-coincident peak demand.

COST OF SERVICE RESULTS

The fiscal year 2023 revenue requirements were allocated to the customer classes based on a cost of service model that functionalizes costs among production, transmission, distribution and customer costs, and classifies costs according to demand related or energy related costs. Production (purchased power) demand related costs were allocated based on the contribution of each class to the average 12 month coincident peak demands and distribution demand related costs were allocated based on the contribution of each class to the annual system peak demand. Energy related costs were allocated based on projected energy sales by class and customer related costs were allocated based on weighted costs. Table No. 6 shows the results of the cost of service analysis. Similar to the 2021 Study, the updated cost of service results indicate small decreases in the residential and small commercial classes and small increases in the large commercial class.

ANALYSIS OF TIME OF USE CUSTOMERS

The City has approximately 24 General Service Demand Time of Use Customers. This rate class is closed to new customers as of June 1, 2006. Table No. 7 shows a calculation of the bills for these customers for a 12 month period using the existing Time of Use rate and the existing General Service Demand rate. As shown on this table, the General Service Demand revenues for these customers would be approximately $203,000 greater than revenues using the Time of Use rate. The differences for most of these customers range between approximately 1.0% and 3.2%, with an average of 2.3%.

RATE DESIGN

Two rate options are shown on Table No. 8. Option 1 discontinues the Time of Use rate and moves those customers to the existing General Service Demand rate, with the annual difference of approximately $203,000 resulting in a corresponding decrease for Residential and General Service Non Demand customers (approximately 0.6%). Option 2 is a phased-in change, with an increase in the Time of Use rate to increase revenues by approximately $101,000 annually and a corresponding decrease of approximately 0.3% for Residential and General Service Non Demand customers. If Option 2 is chosen, it would be followed by the rates shown as Option 1 at a later date.

The principal effects of adopting one of the rate options shown herein would be:

- Rate structures and levels, in general, will be based, in part, on moving toward the allocated cost of service.
- Fuel and purchased energy costs will continue to be shown in a separate charge, the Fuel Cost Recovery Factor.
- The rate options shown herein will be sufficient to meet the projected revenue requirements for the fiscal year ending September 30, 2023.
- The rate options shown herein have been designed to be revenue neutral, that is, each option will produce approximately the same revenues as those using the existing rates.

RATE COMPARISONS

To assist the City in its evaluation and consideration of rate adjustment options, shown on Table No. 9 are comparisons of typical monthly bills for the Residential and General Service Non Demand classes at various levels of usage. Typical bills calculated under the rate options have been compared with bills calculated under the existing rates.

As shown on Table No. 9, typical residential and small commercial customers' bills under the proposed rate options can be expected to decrease approximately 0.6% under Option 1 and 0.3% under Option 2. Bills for Time of Use customers are projected to increase approximately 2.3% on average under Option 1 and 1.2% under Option 2. Rates for General Service Demand customers would remain the same under both options.

CONCLUSIONS

Based upon the results of our studies and analyses as summarized in this Report, and upon the underlying assumptions and considerations contained in the 2021 Study, and the data and information provided by the City's management and staff and others, we are of the opinion that:

(i) The proposed rate options reflect a realignment of costs among the residential and commercial rate classes, and are projected to meet the revenue requirements for the fiscal year ending September 30, 2023;

(ii) The City should continue to monitor the cost of purchased power and current market conditions and should make adjustments, if necessary, to its fuel cost recovery factor to reflect such costs and conditions and to minimize the potential to under recover or over recover its fuel costs; and

(iii) The City should consider submitting this Report, together with other appropriate filing requirements, to the PSC.

We are prepared to present our analyses and proposed rate options to the City Commission and to assist the City with public meetings, with PSC filing requirements, and with presentations in connection with the adoption and implementation of the proposed rate options.

We want to take this opportunity to express our appreciation for the spirited cooperation and valuable assistance given us throughout the course of this study by each member of the City management and staff, along with members of the Utility Advisory Board.

Respectfully submitted,

LEIDOS ENGINEERING, LLC

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Historical and Projected Customers
Fiscal Years 2019-2022

Ln. No.	Customer Classes	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	Average
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
	Historical FY 2019														
1	**Residential**	12,017	12,005	11,999	12,045	12,059	12,017	12,081	12,089	12,089	12,083	12,078	12,012	144,574	12,048
	Commercial														
2	General Service Non-Demand	1,134	1,128	1,127	1,127	1,116	1,114	1,107	1,115	1,102	1,069	1,107	1,099	13,345	1,112
3	GS Non-Demand - 100% Load Factor	40	40	40	40	40	40	40	40	40	40	40	40	480	40
	General Service Demand														
4	Primary	1	1	1	1	1	1	1	1	1	1	1	1	12	1
5	Secondary	1,048	1,050	1,054	1,055	1,052	1,060	1,053	1,056	1,048	1,054	1,062	1,062	12,654	1,055
	Time of Use														
6	Primary	2	2	2	2	2	2	2	1	1	1	1	1	19	2
7	Secondary	19	19	19	18	20	19	19	20	20	19	19	19	230	19
8	**Subtotal Commercial**	2,244	2,240	2,243	2,243	2,231	2,236	2,222	2,233	2,212	2,184	2,230	2,222	26,740	2,228
	Public Authority														
9	General Service Non-Demand	184	186	185	185	185	186	184	188	184	195	195	195	2,252	188
10	GS Non-Demand - 100% Load Factor	23	23	23	23	23	23	23	23	23	23	23	23	276	23
11	General Service Demand	60	59	61	61	61	60	61	61	60	59	58	60	721	60
	Time of Use														
12	Primary	1	1	1	1	1	1	1	1	1	1	1	1	12	1
13	Secondary	1	1	1	1	1	1	1	1	1	1	1	1	12	1
14	**Subtotal Public Authority**	269	270	271	271	271	271	270	274	269	279	278	280	3,273	273
	Lighting														
15	Residential	649	649	649	649	649	649	649	649	649	649	649	649	7,788	649
16	Commercial	146	146	146	146	146	146	146	146	146	146	146	146	1,752	146
17	**Subtotal Lighting**	795	795	795	795	795	795	795	795	795	795	795	795	9,540	795
18	**FY 2019 TOTAL CUSTOMERS**	15,325	15,310	15,308	15,354	15,356	15,319	15,368	15,391	15,365	15,341	15,381	15,309	184,127	15,344
	Historical FY 2020														
19	**Residential**	12,092	12,099	12,085	12,113	12,085	12,040	12,032	12,072	12,069	12,143	12,100	12,087	145,017	12,085
	Commercial														
20	General Service Non-Demand	1,089	1,098	1,088	1,089	1,088	1,063	1,082	1,112	1,078	1,083	1,070	1,072	13,012	1,084
21	GS Non-Demand - 100% Load Factor	40	40	40	40	40	40	40	40	40	40	40	40	480	40
	General Service Demand														
22	Primary	1	1	1	1	1	1	1	1	1	1	1	1	12	1
23	Secondary	1,077	1,066	1,067	1,062	1,062	1,057	1,063	1,059	1,054	1,062	1,046	1,067	12,742	1,062
	Time of Use														
24	Primary	1	2	1	1	1	1	2	2	2	2	2	2	19	2
25	Secondary	19	19	19	19	20	19	19	19	19	19	19	19	229	19
26	**Subtotal Commercial**	2,227	2,226	2,216	2,212	2,212	2,181	2,207	2,233	2,194	2,207	2,178	2,201	26,494	2,208
	Public Authority														
27	General Service Non-Demand	195	180	182	183	181	195	195	180	196	178	179	181	2,225	185
28	GS Non-Demand - 100% Load Factor	23	23	23	23	23	23	23	23	23	23	23	23	276	23
29	General Service Demand	57	60	57	58	58	57	57		55	56	57	59	630	57
	Time of Use														
30	Primary	1	1	1	1	1	1	1	1	1	1	1	1	12	1
31	Secondary	1	1	1	1	1	1	1	1	1	1	1	1	12	1
32	**Subtotal Public Authority**	277	265	264	266	264	277	277	205	276	259	261	265	3,155	263
	Lighting														
33	Residential	649	649	649	649	649	649	649	649	649	649	649	649	7,788	649
34	Commercial	146	146	146	146	146	146	146	146	146	146	146	146	1,752	146
35	**Subtotal Lighting**	795	795	795	795	795	795	795	795	795	795	795	795	9,540	795
36	**FY 2020 TOTAL CUSTOMERS**	15,391	15,385	15,360	15,386	15,356	15,293	15,310	15,305	15,333	15,404	15,334	15,348	184,205	15,350

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Historical and Projected Customers
Fiscal Years 2019-2022

Ln. No.	Customer Classes	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	Average
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
	Historical FY 2021														
37	**Residential**	12,126	12,047	12,107	12,082	12,065	12,081	12,061	12,112	12,079	12,097	12,069	12,066	144,992	12,083
	Commercial														
38	General Service Non-Demand	1,103	1,070	1,074	1,080	1,070	1,078	1,073	1,064	1,080	1,115	1,081	1,076	12,964	1,080
39	GS Non-Demand - 100% Load Factor	40	40	40	40	40	40	40	40	40	40	40	40	480	40
	General Service Demand														
40	Primary	1	1	1	1	1	1	1	1	1	0	0	0	9	1
41	Secondary	1,077	1,057	1,056	1,050	1,036	1,070	1,054	1,049	1,061	1,059	1,059	1,064	12,692	1,058
	Time of Use														
42	Primary	1	1	1	2	2	1	1	1	1	1	1	1	14	1
43	Secondary	20	19	19	19	19	19	19	20	20	19	19	19	231	19
44	**Subtotal Commercial**	2,242	2,188	2,191	2,192	2,168	2,209	2,188	2,175	2,203	2,234	2,200	2,200	26,390	2,199
	Public Authority														
45	General Service Non-Demand	182	182	182	182	183	196	196	180	180	196	196	195	2,250	188
46	GS Non-Demand - 100% Load Factor	23	23	23	23	23	23	23	23	23	23	23	23	276	23
47	General Service Demand	56	57	59	59	58	57	56	58	56	55	56	56	682	57
	Time of Use														
48	Primary	1	1	1	1	1	1	1	1	1	1	1	1	12	1
49	Secondary	1	1	1	1	1	1	1	1	1	1	1	1	12	1
50	**Subtotal Public Authority**	263	264	266	266	266	278	277	263	261	276	277	276	3,232	269
	Lighting														
51	Residential	649	649	649	649	649	649	649	649	649	649	649	649	7,788	649
52	Commercial	146	146	146	146	146	146	146	146	146	146	146	146	1,752	146
53	**Subtotal Lighting**	795	795	795	795	795	795	795	795	795	795	795	795	9,540	795
54	**FY 2021 TOTAL CUSTOMERS**	15,426	15,294	15,359	15,334	15,293	15,364	15,322	15,344	15,339	15,401	15,341	15,336	184,154	15,346
	Projected FY 2022														
55	**Residential**	12,126	12,047	12,107	12,082	12,065	12,081	12,061	12,112	12,079	12,097	12,069	12,066	144,992	12,083
	Commercial														
56	General Service Non-Demand	1,103	1,070	1,074	1,080	1,070	1,078	1,073	1,064	1,080	1,115	1,081	1,076	12,964	1,080
57	GS Non-Demand - 100% Load Factor	40	40	40	40	40	40	40	40	40	40	40	40	480	40
	General Service Demand														
58	Primary	1	1	1	1	1	1	1	1	1	0	0	0	9	1
59	Secondary	1,077	1,057	1,056	1,050	1,036	1,070	1,054	1,049	1,061	1,059	1,059	1,064	12,692	1,058
	Time of Use														
60	Primary	1	1	1	2	2	1	1	1	1	1	1	1	14	1
61	Secondary	20	19	19	19	19	19	19	20	20	19	19	19	231	19
62	**Subtotal Commercial**	2,242	2,188	2,191	2,192	2,168	2,209	2,188	2,175	2,203	2,234	2,200	2,200	26,390	2,199
	Public Authority														
63	General Service Non-Demand	182	182	182	182	183	196	196	180	180	196	196	195	2,250	188
64	GS Non-Demand - 100% Load Factor	23	23	23	23	23	23	23	23	23	23	23	23	276	23
65	General Service Demand	56	57	59	59	58	57	56	58	56	55	56	56	682	57
	Time of Use														
66	Primary	1	1	1	1	1	1	1	1	1	1	1	1	12	1
67	Secondary	1	1	1	1	1	1	1	1	1	1	1	1	12	1
68	**Subtotal Public Authority**	263	264	266	266	266	278	277	263	261	276	277	276	3,232	269
	Lighting														
69	Residential	649	649	649	649	649	649	649	649	649	649	649	649	7,788	649
70	Commercial	146	146	146	146	146	146	146	146	146	146	146	146	1,752	146
71	**Subtotal Lighting**	795	795	795	795	795	795	795	795	795	795	795	795	9,540	795
72	**FY 2022 TOTAL CUSTOMERS**	15,426	15,294	15,359	15,334	15,293	15,364	15,322	15,344	15,339	15,401	15,341	15,336	184,154	15,346

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Historical and Projected Energy Sales (kWh)
Fiscal Years 2019-2022

Ln. No.	Customer Classes	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	Average
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
	Historical FY 2019														
1	**Residential**	20,059,385	14,922,098	13,464,512	13,862,510	13,681,753	11,630,802	11,494,848	15,006,519	18,842,877	18,539,574	18,793,014	19,972,857	190,270,749	15,855,896
	Commercial														
2	General Service Non-Demand	1,204,533	933,316	770,900	751,735	790,223	728,810	752,168	956,321	1,163,356	1,156,825	1,145,296	1,198,239	11,551,722	962,644
3	GS Non-Demand - 100% Load Factor	38,794	36,755	39,084	39,832	38,145	35,374	36,685	38,009	38,426	36,047	37,648	38,309	453,108	37,759
	General Service Demand														
4	Primary	3,656	3,312	3,368	3,338	2,971	2,297	2,501	2,458	2,496	2,574	2,527	2,512	34,010	2,834
5	Secondary	13,492,224	11,398,478	10,325,682	9,949,784	9,792,865	9,724,041	9,866,903	11,770,519	13,154,629	13,264,154	13,212,298	13,975,912	139,927,489	11,660,624
	Time of Use														
6	Primary - On Peak	453,600	417,600	338,400	280,800	352,800	266,400	316,800	345,600	273,600	302,400	324,000	324,000	3,996,000	333,000
7	Primary - Off Peak	1,447,200	1,188,000	1,130,400	921,600	1,058,400	936,000	921,600	1,202,400	900,000	964,800	972,000	1,058,400	12,700,800	1,058,400
8	Secondary- On Peak	1,010,290	869,078	857,092	747,581	863,657	740,455	784,908	877,269	898,747	895,516	944,700	1,000,375	10,489,668	874,139
9	Secondary - Off Peak	3,032,333	2,556,009	2,571,460	2,295,822	2,653,437	2,261,177	2,386,991	2,656,395	2,677,335	2,750,783	2,830,329	3,076,941	31,749,012	2,645,751
10	**Subtotal Commercial**	20,682,630	17,402,548	16,036,386	14,990,492	15,552,498	14,694,554	15,068,556	17,848,971	19,108,589	19,373,099	19,468,798	20,674,688	210,901,809	17,575,151
	Public Authority														
11	General Service Non-Demand	122,071	109,533	112,667	110,221	112,497	105,229	101,151	105,126	109,302	105,008	106,120	112,766	1,311,691	109,308
12	GS Non-Demand - 100% Load Factor	8,717	8,768	8,715	9,014	8,657	8,361	8,492	8,653	8,449	8,294	8,313	8,356	102,789	8,566
13	General Service Demand	1,333,369	1,148,341	1,032,453	930,514	1,023,386	963,305	942,525	1,110,564	1,247,664	1,164,270	1,177,820	1,323,229	13,397,440	1,116,453
	Time of Use														
14	Primary - On Peak	189,600	177,600	175,200	160,800	194,400	153,600	160,800	153,600	153,600	160,800	158,400	204,000	2,042,400	170,200
15	Primary - Off Peak	540,000	453,600	477,600	412,800	448,800	415,200	386,400	429,600	451,200	424,800	444,000	520,800	5,404,800	450,400
16	Secondary- On Peak	11,300	10,500	9,900	8,800	10,000	8,600	8,200	10,100	11,600	11,800	11,600	12,500	124,900	10,408
17	Secondary - Off Peak	33,000	31,100	23,200	24,400	23,000	24,100	24,000	30,100	32,700	33,100	32,700	36,900	348,300	29,025
18	**Subtotal Public Authority**	2,238,057	1,939,442	1,839,735	1,656,549	1,820,740	1,678,395	1,631,568	1,847,743	2,014,515	1,908,072	1,938,953	2,218,551	22,732,320	1,894,360
	Lighting														
19	Residential	6,416	6,464	6,239	6,343	6,357	6,437	6,419	6,383	6,374	6,374	6,374	6,374	76,554	6,380
20	Commercial	52,350	51,982	51,094	51,194	50,938	51,022	50,873	50,339	48,709	48,929	48,732	48,506	604,668	50,389
21	Public Authority	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	1,432,368	119,364
22	**Subtotal Lighting**	178,130	177,810	176,697	176,901	176,659	176,823	176,656	176,086	174,447	174,667	174,470	174,244	2,113,590	176,133
23	**FY 2019 TOTAL ENERGY SALES**	43,158,202	34,441,898	31,517,330	30,686,452	31,231,650	28,180,574	28,371,628	34,879,319	40,140,428	39,995,412	40,375,235	43,040,340	426,018,468	35,501,539

CITY OF WINTER PARK, FLORIDA

Electric Cost of Service Update

Historical and Projected Energy Sales (kWh)

Fiscal Years 2019-2022

Ln. No.	Customer Classes	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	Average
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
	Historical FY 2020														
24	**Residential**	17,790,719	16,858,806	11,971,451	12,479,061	12,466,567	11,947,731	14,439,637	16,739,447	15,780,508	19,600,576	20,639,795	21,801,192	192,515,490	16,042,958
	Commercial														
25	General Service Non-Demand	1,078,187	1,050,293	713,526	698,406	746,397	763,336	754,126	779,567	879,733	1,093,173	1,115,059	1,203,056	10,874,859	906,238
26	GS Non-Demand - 100% Load Factor	37,384	40,722	38,108	39,113	37,186	37,220	36,508	39,691	34,879	37,284	37,932	40,847	456,874	38,073
	General Service Demand														
27	Primary	2,574	2,856	2,375	2,631	2,631	2,674	2,501	2,656	2,341	2,654	3,030	2,722	31,645	2,637
28	Secondary	12,953,683	13,415,345	10,157,703	10,144,039	9,904,986	10,189,513	10,089,170	10,151,878	10,439,819	12,727,028	13,163,366	14,170,877	137,507,407	11,458,951
	Time of Use														
29	Primary - On Peak	381,600	439,200	338,400	223,200	309,600	309,600	280,800	223,200	201,600	280,800	302,400	316,800	3,607,200	300,600
30	Primary - Off Peak	1,224,000	1,260,000	1,123,200	784,800	914,400	950,400	921,600	792,000	676,800	1,008,000	928,800	1,000,800	11,584,800	965,400
31	Secondary- On Peak	896,512	979,559	825,027	726,785	783,714	761,539	813,719	780,802	750,137	869,829	938,451	988,643	10,114,717	842,893
32	Secondary - Off Peak	2,724,329	3,046,002	2,504,672	2,236,850	2,453,579	2,254,428	2,514,471	2,451,079	2,318,457	2,702,507	2,912,331	3,026,012	31,144,717	2,595,393
33	**Subtotal Commercial**	19,298,269	20,233,977	15,703,011	14,855,824	15,152,493	15,268,710	15,412,895	15,220,873	15,303,766	18,721,275	19,401,369	20,749,757	205,322,219	17,110,185
	Public Authority														
34	General Service Non-Demand	110,032	119,500	104,749	105,387	107,397	108,407	95,462	94,231	90,984	103,596	107,656	118,399	1,265,800	105,483
35	GS Non-Demand - 100% Load Factor	8,121	8,541	8,185	8,329	8,230	8,111	8,085	8,491	7,858	8,064	8,168	8,416	98,599	8,217
36	General Service Demand	1,227,764	1,255,607	1,024,827	977,718	1,022,289	1,064,039	1,001,437	973,846	997,227	1,133,633	1,176,676	1,353,779	13,208,842	1,100,737
	Time of Use														
37	Primary - On Peak	213,600	216,000	206,400	201,600	223,200	201,600	189,600	165,600	148,800	160,800	480,000	208,800	2,616,000	218,000
38	Primary - Off Peak	559,200	530,400	489,600	472,800	477,600	470,400	458,400	458,400	393,600	420,000	1,317,600	578,400	6,626,400	552,200
39	Secondary- On Peak	10,800	14,100	10,200	9,900	10,300	10,600	6,900	8,000	9,200	10,900	11,700	13,100	125,700	10,475
40	Secondary - Off Peak	30,700	36,900	22,800	22,100	24,400	23,900	20,300	24,300	27,600	33,000	36,800	42,700	345,500	28,792
41	**Subtotal Public Authority**	2,160,217	2,181,048	1,866,761	1,797,834	1,873,416	1,887,057	1,780,184	1,732,868	1,675,269	1,869,993	3,138,600	2,323,594	24,286,841	2,023,903
	Lighting														
42	Residential	6,375	6,360	6,387	6,355	6,399	6,418	6,373	6,383	6,293	6,574	6,371	6,420	76,708	6,392
43	Commercial	48,551	48,551	48,122	48,477	48,928	48,551	48,584	50,339	43,808	47,637	48,584	48,450	578,582	48,215
44	Public Authority	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,704	119,364	1,432,708	119,392
45	**Subtotal Lighting**	174,290	174,275	173,873	174,196	174,691	174,333	174,321	176,086	169,465	173,575	174,659	174,234	2,087,998	174,000
46	**FY 2020 TOTAL ENERGY SALES**	39,423,495	39,448,106	29,715,096	29,306,915	29,667,167	29,277,831	31,807,037	33,869,274	32,929,008	40,365,419	43,354,423	45,048,777	424,212,548	35,351,046

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Historical and Projected Energy Sales (kWh)
Fiscal Years 2019-2022

Ln. No.	Customer Classes	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	Average
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
	Historical FY 2021														
47	**Residential**	17,219,521	15,844,545	14,075,084	15,831,247	12,757,735	12,882,137	12,642,228	15,469,625	17,569,212	17,421,998	18,949,011	19,547,934	190,210,277	15,850,856
	Commercial														
48	General Service Non-Demand	949,332	901,212	774,309	722,249	721,524	759,663	816,311	1,041,923	1,151,046	1,099,659	1,161,470	1,220,442	11,319,140	943,262
49	GS Non-Demand - 100% Load Factor	36,570	37,231	39,730	40,732	37,844	38,828	37,465	39,571	38,841	36,346	37,657	37,818	458,633	38,219
	General Service Demand														
50	Primary	2,388	2,638	2,422	2,569	2,294	2,624	2,219	2,559	2,705	0	5,001	2,881	30,300	2,525
51	Secondary	11,993,407	11,678,867	10,662,057	9,887,390	9,203,000	10,049,797	9,953,982	11,817,576	12,747,199	12,546,034	13,249,381	13,995,712	137,784,402	11,482,034
	Time of Use														
52	Primary - On Peak	381,600	381,600	345,600	266,400	288,000	345,600	295,200	417,600	309,600	324,000	381,600	453,600	4,190,400	349,200
53	Primary - Off Peak	1,296,000	1,144,800	1,087,200	993,600	864,000	1,144,800	1,022,400	1,310,400	1,022,400	1,087,200	1,180,800	1,339,200	13,492,800	1,124,400
54	Secondary- On Peak	819,901	840,882	787,950	788,513	772,808	781,964	944,916	752,686	794,649	844,924	934,891	890,998	9,955,082	829,590
55	Secondary - Off Peak	2,577,592	2,573,838	2,467,349	2,448,273	2,342,391	2,326,125	2,257,138	2,821,861	2,385,721	2,608,058	2,787,376	2,695,011	30,290,733	2,524,228
56	**Subtotal Commercial**	18,056,790	17,561,068	16,166,617	15,149,726	14,231,861	15,449,401	15,329,631	18,204,176	18,452,161	18,546,221	19,738,176	20,635,662	207,521,490	17,293,458
	Public Authority														
57	General Service Non-Demand	106,490	109,405	111,465	104,453	100,859	105,834	95,714	101,286	101,401	95,391	101,911	106,718	1,240,927	103,411
58	GS Non-Demand - 100% Load Factor	8,060	8,147	8,449	8,390	8,235	8,187	8,048	8,238	8,081	7,807	8,005	7,941	97,588	8,132
59	General Service Demand	1,138,967	1,121,623	1,050,131	943,032	940,659	1,025,089	956,800	1,117,629	1,199,768	1,070,459	1,196,458	1,338,787	13,099,402	1,091,617
	Time of Use														
60	Primary - On Peak	182,400	175,200	168,000	189,600	184,800	170,400	151,200	158,400	168,000	139,200	146,400	165,600	1,999,200	166,600
61	Primary - Off Peak	559,200	460,800	451,200	484,800	444,000	475,200	391,200	458,400	513,600	405,600	398,400	417,600	5,460,000	455,000
62	Secondary- On Peak	10,100	9,600	10,500	9,400	9,100	8,000	7,500	10,400	8,400	11,400	11,400	12,300	118,100	9,842
63	Secondary - Off Peak	30,400	29,300	26,900	22,000	21,000	22,800	23,300	33,300	26,600	33,700	37,800	36,500	343,600	28,633
64	**Subtotal Public Authority**	2,035,617	1,914,075	1,826,645	1,761,675	1,708,653	1,815,510	1,633,762	1,887,653	2,025,850	1,763,557	1,900,374	2,085,446	22,358,817	1,863,235
	Lighting														
65	Residential	6,419	6,416	6,416	6,416	6,442	6,396	6,409	6,410	6,409	6,390	6,336	6,397	76,856	6,405
66	Commercial	48,117	52,137	48,560	48,646	48,633	48,633	48,667	48,633	48,620	48,650	48,644	42,697	580,637	48,386
67	Public Authority	119,830	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	1,432,834	119,403
68	**Subtotal Lighting**	174,366	177,917	174,340	174,426	174,439	174,393	174,440	174,407	174,393	174,404	174,344	168,458	2,090,327	174,194
69	**FY 2021 TOTAL ENERGY SALES**	37,486,294	35,497,605	32,242,686	32,917,074	28,872,688	30,321,441	29,780,061	35,735,861	38,221,616	37,906,180	40,761,905	42,437,500	422,180,911	35,181,743

CITY OF WINTER PARK, FLORIDA

Electric Cost of Service Update

Historical and Projected Energy Sales (kWh)

Fiscal Years 2019-2022

Ln. No.	Customer Classes (a)	Oct (b)	Nov (c)	Dec (d)	Jan (e)	Feb (f)	Mar (g)	Apr (h)	May (i)	Jun (j)	Jul (k)	Aug (l)	Sep (m)	Total (n)	Average (o)
	Projected FY 2022														
70	**Residential**	17,219,521	15,844,545	14,075,084	15,831,247	12,757,735	12,882,137	12,642,228	15,469,625	17,569,212	17,421,998	18,949,011	19,547,934	190,210,277	15,850,856
	Commercial														
71	General Service Non-Demand	949,332	901,212	774,309	722,249	721,524	759,663	816,311	1,041,923	1,151,046	1,099,659	1,161,470	1,220,442	11,319,140	943,262
72	GS Non-Demand - 100% Load Factor	36,570	37,231	39,730	40,732	37,844	38,828	37,465	39,571	38,841	36,346	37,657	37,818	458,633	38,219
	General Service Demand														
73	Primary	2,388	2,638	2,422	2,569	2,294	2,624	2,219	2,559	2,705	0	5,001	2,881	30,300	2,525
74	Secondary	11,993,407	11,678,867	10,662,057	9,887,390	9,203,000	10,049,797	9,953,982	11,817,576	12,747,199	12,546,034	13,249,381	13,995,712	137,784,402	11,482,034
	Time of Use														
75	Primary - On Peak	381,600	381,600	345,600	266,400	288,000	345,600	295,200	417,600	309,600	324,000	381,600	453,600	4,190,400	349,200
76	Primary - Off Peak	1,296,000	1,144,800	1,087,200	993,600	864,000	1,144,800	1,022,400	1,310,400	1,022,400	1,087,200	1,180,800	1,339,200	13,492,800	1,124,400
77	Secondary- On Peak	819,901	840,882	787,950	788,513	772,808	781,964	944,916	752,686	794,649	844,924	934,891	890,998	9,955,082	829,590
78	Secondary - Off Peak	2,577,592	2,573,838	2,467,349	2,448,273	2,342,391	2,326,125	2,257,138	2,821,861	2,385,721	2,608,058	2,787,376	2,695,011	30,290,733	2,524,228
79	**Subtotal Commercial**	18,056,790	17,561,068	16,166,617	15,149,726	14,231,861	15,449,401	15,329,631	18,204,176	18,452,161	18,546,221	19,738,176	20,635,662	207,521,490	17,293,458
	Public Authority														
80	General Service Non-Demand	106,490	109,405	111,465	104,453	100,859	105,834	95,714	101,286	101,401	95,391	101,911	106,718	1,240,927	103,411
81	GS Non-Demand - 100% Load Factor	8,060	8,147	8,449	8,390	8,235	8,187	8,048	8,238	8,081	7,807	8,005	7,941	97,588	8,132
82	General Service Demand	1,138,967	1,121,623	1,050,131	943,032	940,659	1,025,089	956,800	1,117,629	1,199,768	1,070,459	1,196,458	1,338,787	13,099,402	1,091,617
	Time of Use														
83	Primary - On Peak	182,400	175,200	168,000	189,600	184,800	170,400	151,200	158,400	168,000	139,200	146,400	165,600	1,999,200	166,600
84	Primary - Off Peak	559,200	460,800	451,200	484,800	444,000	475,200	391,200	458,400	513,600	405,600	398,400	417,600	5,460,000	455,000
85	Secondary- On Peak	10,100	9,600	10,500	9,400	9,100	8,000	7,500	10,400	8,400	11,400	11,400	12,300	118,100	9,842
86	Secondary - Off Peak	30,400	29,300	26,900	22,000	21,000	22,800	23,300	33,300	26,600	33,700	37,800	36,500	343,600	28,633
87	**Subtotal Public Authority**	2,035,617	1,914,075	1,826,645	1,761,675	1,708,653	1,815,510	1,633,762	1,887,653	2,025,850	1,763,557	1,900,374	2,085,446	22,358,817	1,863,235
	Lighting														
88	Residential	6,419	6,416	6,416	6,416	6,442	6,396	6,409	6,410	6,409	6,390	6,336	6,397	76,856	6,405
89	Commercial	48,117	52,137	48,560	48,646	48,633	48,633	48,667	48,633	48,620	48,650	48,644	42,697	580,637	48,386
90	Public Authority	119,830	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	119,364	1,432,834	119,403
91	**Subtotal Lighting**	174,366	177,917	174,340	174,426	174,439	174,393	174,440	174,407	174,393	174,404	174,344	168,458	2,090,327	174,194
92	**FY 2022 TOTAL ENERGY SALES**	37,486,294	35,497,605	32,242,686	32,917,074	28,872,688	30,321,441	29,780,061	35,735,861	38,221,616	37,906,180	40,761,905	42,437,500	422,180,911	35,181,743

Table No. 2

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Energy Sales By Class (kWh)

		Fiscal Year Ending September 30			
	Customer Class	2019	2020	2021	2022
1	Residential	190,270,749	192,515,490	190,210,277	190,210,277
2	General Service Non-Demand	11,551,722	10,874,859	11,319,140	11,319,140
3	General Service Non-Demand 100% LF	453,108	456,874	458,633	458,633
4	General Service Demand	139,961,499	137,539,052	137,814,702	137,814,702
5	General Service Demand TOU	58,935,480	56,451,434	57,929,015	57,929,015
6	Public Authority	22,732,320	24,286,841	22,358,817	22,358,817
7	Lighting	2,113,590	2,087,998	2,090,327	2,090,327
8	Total	426,018,468	424,212,548	422,180,911	422,180,911

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Study Update

Summary of Projected Revenue Requirements
Fiscal Year Ending September 30

Ln. No.	Description	Test Year 2020 Revenue Requirements	2021 Actual Revenue Requirements	2022 Budget Revenue Requirements	2023 Budget Revenue Requirements	2023-2022 Difference
	(a)	(b)	(c)	(d)	(e)	(f)
	Operating Expenses					
1	Operations					
2	Bulk Power	$18,696,363	$20,633,965	$19,678,403	$27,274,436	$7,596,033
3	Gross Receipts Tax	1,152,998	1,117,688	1,099,879	1,337,360	237,481
4	Electric Capital	1,180,000	932,165	1,230,982	1,360,211	129,229
5	Other Operations	1,836,636	1,774,959	2,218,889	2,375,492	156,603
6	Total Operations	22,865,997	24,458,777	24,228,153	32,347,499	8,119,346
7	Undergrounding	4,425,000	5,229,881	6,439,743	7,392,000	952,258
8	Other Capital Projects	0	572,860	2,209,000	500,000	(1,709,000)
9	Tree Trimming	656,996	652,192	658,947	660,071	1,124
10	Warehousing	378,031	330,775	309,146	327,621	18,475
11	Street Lighting	480,000	92,643	510,000	539,000	29,000
12	Utility Billing	713,923	784,270	872,596	830,286	(42,310)
13	Meter Servicing	388,618	208,300	252,761	229,330	(23,431)
14	Administration	1,148,486	1,393,692	1,466,900	1,643,965	177,064
15	*Total Operating Expenses*	31,057,051	33,723,390	36,947,246	44,469,772	7,522,526
	Other Revenue Requirements					
16	Debt Service	4,791,526	5,071,814	4,783,940	4,725,917	(58,023)
17	Interfund Administrative Services	1,728,412	1,740,681	1,696,582	1,775,965	79,383
18	Transfer to General Fund	2,545,301	2,470,947	2,428,037	2,824,160	396,123
19	Other Transfers	255,698	715,317	249,747	368,058	118,311
20	Contingency	2,219,838	0	1,033,364	89,128	(944,236)
21	Replenish Cash Reserves	2,314,351	0	0	0	0
22	*Total Other Revenue Requirements*	13,855,126	9,998,759	10,191,670	9,783,228	(408,442)
23	**TOTAL REVENUE REQUIREMENTS**	$44,912,177	$43,722,149	$47,138,916	$54,253,000	$7,114,084

Table No. 4

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Load Research Results [1]

Line	Month	Date	Time	System Peak Demand (MW)	Residential Contribution (%)
	(a)	(b)	(c)	(d)	(e)
1	November 2018	11/8/2018	3:00 PM	72.9	41.0%
2	December 2018	12/12/2018	8:00 AM	67.8	53.0%
3	January 2019	1/29/2019	8:00 AM	67.1	58.0%
4	February 2019	2/22/2019	4:00 PM	66.9	45.8%
5	March 2019	3/11/2019	5:00 PM	65.9	48.5%
6	April 2019	4/30/2019	5:00 PM	81.1	58.0%
7	May 2019	5/28/2019	5:00 PM	91.5	57.1%
8	June 2019	6/25/2019	5:00 PM	97.1	56.9%
9	July 2019	7/16/2019	5:00 PM	92.2	57.7%
10	August 2019	8/9/2019	4:00 PM	92.8	54.4%
11	September 2019	9/9/2019	5:00 PM	92.5	56.8%
12	October 2019	10/22/2019	5:00 PM	88.4	53.7%
13	Average			81.3	53.4%
14	March 2021	3/31/2021	5:00 PM	74.8	50.7%
15	April 2021	4/29/2021	5:00 PM	75.5	54.0%
16	May 2021	5/5/2021	5:00 PM	88.9	52.2%
17	June 2021	6/11/2021	5:00 PM	90.4	56.1%
18	July 2021	7/22/2021	4:00 PM	92.4	54.3%
19	August 2021	8/20/2021	4:00 PM	93.7	53.2%
20	September 2021	9/13/2021	4:00 PM	86.0	48.7%
21	October 2021	10/7/2021	5:00 PM	86.1	54.6%
22	November 2021	11/3/2021	5:00 PM	62.8	47.9%
23	December 2021	12/19/2021	4:00 PM	61.5	50.9%
24	January 2022	1/31/2022	8:00 AM	81.3	60.1%
25	February 2022	2/25/2022	4:00 PM	66.8	39.3%
26	Average			80.0	51.8%

[1] Load research based on measured demands for 95% of residential customers.

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Study

Development of Demand Allocation Factors

Ln. No.	Customer Class	Total FY 2022 Energy (MWh)	Average 12 CP Load Factor (%) [1]	Average 12 CP Demand @ Meter (kW)	Average 12 CP Delivery Efficiency	Average 12 CP Demand @ Source (kW)	Average 12 CP Percent of Total (%)	Non-Coincident Peak Load Factor (%) [1]	Non-Coincident Peak Demand @ Meter (kW)	Non-Coincident Peak Delivery Efficiency	Non-Coincident Peak Demand @ Source (kW)	Non-Coincident Peak Percent of Total (%)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
1	Residential	190,210	55.00%	39,479	0.9620	41,038	**50.90%**	45.00%	48,252	0.9620	50,158	**51.88%**
	Commercial											
2	General Service Non Demand	11,319	51.60%	2,504	0.9620	2,603	**3.23%**	43.50%	2,970	0.9620	3,088	**3.19%**
3	GS Non Demand (100% LF)	459	90.00%	58	0.9620	61	**0.08%**	90.00%	58	0.9620	61	**0.06%**
4	General Service Demand	195,744	71.06%	31,445	0.9620	32,687	**40.55%**	60.40%	36,994	0.9620	38,455	**39.78%**
5	Public Authority	22,359	71.06%	3,592	0.9620	3,734	**4.63%**	60.40%	4,226	0.9620	4,393	**4.54%**
6	Lighting	2,090	50.00%	477	0.9620	496	**0.62%**	47.90%	498	0.9620	518	**0.54%**
7	**TOTAL SYSTEM**	422,181		77,556		80,619	**100.00%**		92,999		96,672	**100.00%**

[1] Average 12 CP and NCP Load Factors are based on information provided by the City and Duke Energy's load research filed with the FPSC.

CITY OF WINTER PARK FLORIDA

Electric Cost of Service Study

Summary of Demand Allocation Factors

		Average 12 CP		Average Demand			PSC 12 CP Methodology				NCP Demand	
Ln. No.	Customer Class	Demand @ Source (kW)	Percent of Total (%)	2022 Energy at Source (MWh)	Average Demand (kW)	Percent of Total (%)	Avg. 12 CP @12/13 (kW)	Avg. kW @1/13 (kW)	Total (kW)	Total (%)	Demand @ Source (kW)	Percent of Total (%)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
1	Residential	41,038	**50.90%**	197,723	22,571	**45.05%**	37,882	1,736	39,618	**50.62%**	50,158	**51.88%**
	Commercial											
2	General Service Non Demand	2,603	**3.23%**	11,766	1,343	**2.68%**	2,403	103	2,506	**3.20%**	3,088	**3.19%**
3	GS Non Demand (100% LF)	61	**0.08%**	477	54	**0.11%**	56	4	60	**0.08%**	61	**0.06%**
4	General Service Demand	32,687	**40.55%**	203,476	23,228	**46.36%**	30,173	1,787	31,960	**40.83%**	38,455	**39.78%**
5	Public Authority	3,734	**4.63%**	23,242	2,653	**5.30%**	3,447	204	3,651	**4.66%**	4,393	**4.54%**
6	Lighting	496	**0.62%**	2,173	248	**0.50%**	458	19	477	**0.61%**	518	**0.54%**
7	**TOTAL SYSTEM**	80,619	**100.00%**	438,858	50,098	**100.00%**	74,418	3,854	78,271	**100.00%**	96,672	**100.00%**

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Study

Summary of Energy Allocation Factors
Fiscal Year 2022

Ln. No.	Customer Class	Energy (MWh) [1] Energy Sales	Energy (MWh) [1] Net Generation	Allocation Factors (%) Energy Sales	Allocation Factors (%) Net Generation
	(a)	(b)	(c)	(d)	(e)
1	Residential	190,210	197,723	**45.05%**	**45.05%**
	Commercial				
2	General Service Non Demand	11,319	11,766	**2.68%**	**2.68%**
3	GS Non Demand (100% LF)	459	477	**0.11%**	**0.11%**
4	General Service Demand	195,744	203,476	**46.36%**	**46.36%**
5	Public Authority	22,359	23,242	**5.30%**	**5.30%**
6	Lighting	2,090	2,173	**0.50%**	**0.50%**
7	**TOTAL SYSTEM**	422,181	438,858	**100.00%**	**100.00%**

[1] A factor of 3.6% was assumed for System Losses based on data received from the City of Winter Park.

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Study

Summary of Customer Allocation Factors
Fiscal Year 2022

Ln.		Unweighted Customers		Weighted Customers			Unweighted - No Lighting	
No.	Customer Class	Customers	Factor	Weighting Factor [1]	Customers [2]	Factor	Customers	Factor
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	Residential	12,083	**78.73%**	1.00	12,083	**74.01%**	12,083	**78.73%**
	Commercial							
2	General Service Non Demand	1,080	**7.04%**	1.30	1,404	**8.60%**	1,080	**7.04%**
3	GS Non Demand (100% LF)	40	**0.26%**	1.30	52	**0.32%**	40	**0.26%**
4	General Service Demand	1,079	**7.03%**	1.30	1,403	**8.59%**	1,079	**7.03%**
5	Public Authority	269	**1.75%**	1.30	350	**2.14%**	269	**1.75%**
6	Lighting	795	**5.18%**	1.30	1,034	**6.33%**	795	**5.18%**
7	**TOTAL SYSTEM**	15,346	**100.00%**		16,325	**100.00%**	15,346	**100.00%**

[1] Based on Duke Energy Florida customer charges.
[2] Weighted customers are equal to Column (b), Unweighted Customers multiplied times Column (d), the Weighting Factor.

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update
Test Year Cost of Service by Customer Class

Line No.	Description	Total	Allocation Factor	Residential	General Service Non-Demand	General Service Non-Demand (100% LF)	General Service Demand	Public Authority	Lighting	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	**Production**									
2	**Production Demand related**									
3	Production - D	14,029,576	12 CP	7,101,235	449,204	10,764	5,728,539	654,346	85,488	14,029,576
4	Blank	0	N/A	0	0	0	0	0	0	0
5	Blank	0	N/A	0	0	0	0	0	0	0
6	Blank	0	N/A	0	0	0	0	0	0	0
7	Blank	0	N/A	0	0	0	0	0	0	0
8	Blank	0	N/A	0	0	0	0	0	0	0
9	**Production Energy related**									
10	Fuel & PP	16,077,458	Test Year Sales - kWh	7,243,560	431,049	17,480	7,454,305	851,473	79,591	16,077,458
11	Variable O&M	0	N/A	0	0	0	0	0	0	0
12	Blank	0	N/A	0	0	0	0	0	0	0
13	Blank	0	N/A	0	0	0	0	0	0	0
14	**Production Direct Assignment**									
15	Dir. Assignment A	0	N/A	0	0	0	0	0	0	0
16	Other	0	N/A	0	0	0	0	0	0	0
17	**Total Production**	30,107,034		14,344,794	880,253	28,244	13,182,844	1,505,820	165,079	30,107,034
18	Check	TRUE								
19		30,107,034								
20	**Transmission**									
21	**Demand Related**									
22	115 kV	0	N/A	0	0	0	0	0	0	0
23	69 kV	0	N/A	0	0	0	0	0	0	0
24	115 kV - Sub	0	N/A	0	0	0	0	0	0	0
25	69 kV - Sub	0	N/A	0	0	0	0	0	0	0
26	Blank	0	N/A	0	0	0	0	0	0	0
27	Blank	0	N/A	0	0	0	0	0	0	0
28	**Direct Assignment**									
29	Service 1	0	N/A	0	0	0	0	0	0	0
30	Service 2	0	N/A	0	0	0	0	0	0	0
31	Blank	0	N/A	0	0	0	0	0	0	0
32	**Total Transmission**	0		0	0	0	0	0	0	0
33	Check	TRUE								
34		0								
35	**Distribution**									
36	**Demand Related**									
37	Substat.	0	N/A	0	0	0	0	0	0	0
38	Prim-Dmd	0	N/A	0	0	0	0	0	0	0
39	Sec-Dmd	0	N/A	0	0	0	0	0	0	0
40	Demand	20,416,354	1 NCP	10,592,983	652,103	12,781	8,121,459	927,680	109,347	20,416,354
41	Energy	1,976,909	Test Year Sales - kWh	890,679	53,002	2,149	916,593	104,698	9,787	1,976,909
42	Blank	0	N/A	0	0	0	0	0	0	0
43	**Customer Related**									
44	Prim-Cust	0	N/A	0	0	0	0	0	0	0
45	Sec-Cust	0	N/A	0	0	0	0	0	0	0
46	Serv Drp	0	N/A	0	0	0	0	0	0	0
47	Trans-CR	0	N/A	0	0	0	0	0	0	0
48	Total Cust	0	N/A	0	0	0	0	0	0	0
49	Blank	0	N/A	0	0	0	0	0	0	0

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update
Test Year Cost of Service by Customer Class

Line No.	Description	Total	Allocation Factor	Residential	General Service Non-Demand	General Service Non-Demand (100% LF)	General Service Demand	Public Authority	Lighting	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
50										
51	**Direct Assignment**									
52	Lighting	0	N/A	0	0	0	0	0	0	0
53	Blank	0	N/A	0	0	0	0	0	0	0
54	**Total Distribution**	22,393,263		11,483,663	705,106	14,930	9,038,052	1,032,378	119,134	22,393,263
55	Check	TRUE								
56		22,393,263								
57	**Customer**									
58	Meters	308,798	Weighted Customers	228,551	26,566	984	26,533	6,615	19,549	308,798
59	Cust. Accounting	0	Weighted Customers	0	0	0	0	0	0	0
60	Cust. Service	1,443,905	Weighted Customers	1,068,681	124,219	4,599	124,065	30,930	91,411	1,443,905
61	Sales	0	Weighted Customers	0	0	0	0	0	0	0
62	Blank	0	N/A	0	0	0	0	0	0	0
63	**Total Customer**	1,752,703		1,297,232	150,784	5,583	150,598	37,545	110,960	1,752,703
64	Check	TRUE								
65		0								
66	**Direct Assignments Other**									
67	Lighting Adjustment	0	Lighting - # of Cust/Lights	(130,616)	0	0	(27,170)	(2,214)	160,000	0
68	**Total Direct Assignment Other**	0		(130,616)	0	0	(27,170)	(2,214)	160,000	0
69	Check	TRUE								
70										
71	**Total Cost of Service**	$ 54,253,000		$ 26,995,073	$ 1,736,143	$ 48,757	$ 22,344,325	$ 2,573,529	$ 555,173	$ 54,253,000
72	Check	TRUE								
73	Total Unit Cost ($/kWh)			$ 0.142	$ 0.153	$ 0.106	$ 0.114	$ 0.115	$ 0.266	$ 0.129
74	Base Rate Unit Cost ($/kWh)			$ 0.142	$ 0.153	$ 0.106	$ 0.114	$ 0.115	$ 0.266	$ 0.129
75										
76										
77	**Revenue Adequacy Check**									
78	TY Base Rate Revenue	$30,299,492	TY Base Rate Rev	$16,694,598	$1,063,228	$25,360	$10,745,748	$1,393,358	$377,200	$30,299,492
79	TY Other Revenue - FCR	18,905,305	Test Year Sales - kWh	8,517,622	506,866	20,554	8,765,435	1,001,238	93,590	18,905,305
80	TY FCR Rate Stabilization	0	Revenue Req	0	0	0	0	0	0	0
81	TY Other Revenue	5,048,203	Revenue Req	2,511,872	161,547	4,537	2,079,123	239,465	51,658	5,048,203
82	Subtotal	$54,253,000		$27,724,092	$1,731,641	$50,451	$21,590,306	$2,634,061	$522,449	$54,253,000
83	Existing Rate Unit Cost ($/kwh)			$ 0.146	$ 0.153	$ 0.110	$ 0.110	$ 0.118	$ 0.250	$ 0.129
84										
85	TY Rate Revenue	$54,253,000		$27,724,092	$1,731,641	$50,451	$21,590,306	$2,634,061	$522,449	$54,253,000
86	TY Retail Rate Revenue	$0	Other Revenue	0	0	0	0	0	0	0
87	TY Total Rate Revenue	$54,253,000		$27,724,092	$1,731,641	$50,451	$21,590,306	$2,634,061	$522,449	$54,253,000
88										
89	TY Rate Revenue Requirement	$ 54,253,000		$ 26,995,073	$ 1,736,143	$ 48,757	$ 22,344,325	$ 2,573,529	$ 555,173	$54,253,000
90	TY Other Retail Rate Revenue	0		0	0	0	0	0	0	0
91	TY Total Rate Revenue Requirement	$54,253,000		$26,995,073	$1,736,143	$48,757	$22,344,325	$2,573,529	$555,173	$54,253,000
92										
93	**Difference $ (Surplus)**	**$0**		**$729,019**	**($4,502)**	**$1,694**	**($754,018)**	**$60,532**	**($32,724)**	**0**
94	**Difference % (Surplus)**	**0.0%**		**2.9%**	**-0.3%**	**3.7%**	**-3.9%**	**2.5%**	**-7.0%**	**0.0%**
95										
96	**Rate Adjustment $**	**($0)**		**($654,650)**	**($14,131)**	**($92)**	**$624,358**	**$43,103**	**$1,412**	**(0)**
97	**Rate Adjustment %**	**0.0%**		**-2.6%**	**-0.9%**	**-0.2%**	**3.2%**	**1.8%**	**0.3%**	**0.0%**
98										

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

General Service Demand Time of Use Customers
Annual Bills

Ln. No.	Description	Annual Billing Demand (kW)	Annual Energy (kWh)	TOU Rates: Customer Charge	TOU Rates: Demand Charge	TOU Rates: Energy Charge	TOU Rates: Fuel Charge	TOU Charges: Customer Charge	TOU Charges: Demand Charge	TOU Charges: Energy Charge	TOU Charges: Fuel Charge	TOU Charges: Subtotal Charges	Total Charges
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
	Time of Use Customers - On Peak												
1	650 S CAPEN AVE	0	0	29.01	3.84	0.07008	0.09901	348.12	0.00	0.00	0.00	348.12	
2	200 LOCH LOMOND DR	22	3,156	29.01	3.84	0.07008	0.09901	348.12	83.71	221.17	312.48	965.48	
3	2345 ALOMA AVE	112	11,076	29.01	3.84	0.07008	0.09901	348.12	430.12	776.21	1,096.63	2,651.08	
4	400 S PARK AVE	455	55,154	29.01	3.84	0.07008	0.09901	348.12	1,746.97	3,865.19	5,460.80	11,421.08	
5	700 MELROSE AVE	515	76,600	29.01	3.84	0.07008	0.09901	348.12	1,976.83	5,368.13	7,584.17	15,277.25	
6	460 E NEW ENGLAND AVE	1,423	128,300	29.01	3.84	0.07008	0.09901	348.12	5,464.32	8,991.26	12,702.98	27,506.69	
7	2530 ALOMA AVE	1,621	176,100	29.01	3.84	0.07008	0.09901	348.12	6,225.41	12,341.09	17,435.66	36,350.28	
8	200 E NEW ENGLAND AVE	1,712	203,520	29.01	3.84	0.07008	0.09901	348.12	6,574.08	14,262.68	20,150.52	41,335.40	
9	500 OSCEOLA AVE	2,093	236,940	29.01	3.84	0.07008	0.09901	348.12	8,036.35	16,604.76	23,459.43	48,448.66	
10	2100 GLENWOOD DR	1,777	238,520	29.01	3.84	0.07008	0.09901	348.12	6,822.91	16,715.48	23,615.87	47,502.38	
11	1620 MAYFLOWER CT	3,076	382,600	29.01	3.84	0.07008	0.09901	348.12	11,811.84	26,812.61	37,881.23	76,853.79	
12	1620 MAYFLOWER CT	3,162	409,200	29.01	3.84	0.07008	0.09901	348.12	12,142.08	28,676.74	40,514.89	81,681.83	
13	1000 HOLT AVE	6,264	475,200	234.93	3.84	0.07008	0.09901	2,819.16	24,053.76	33,302.02	47,049.55	107,224.49	
14	1550 GAY RD	3,690	493,800	29.01	3.84	0.07008	0.09901	348.12	14,169.60	34,605.50	48,891.14	98,014.36	
15	741 S ORLANDO AVE	4,786	656,400	29.01	3.84	0.07008	0.09901	348.12	18,378.24	46,000.51	64,990.16	129,717.04	
16	2295 ALOMA AVE	4,824	679,200	29.01	3.84	0.07008	0.09901	348.12	18,524.16	47,598.34	67,247.59	133,718.21	
17	1620 MAYFLOWER CT	5,582	693,120	29.01	3.84	0.07008	0.09901	348.12	21,436.42	48,573.85	68,625.81	138,984.20	
18	151 S NEW YORK AVE	4,528	720,200	29.01	3.84	0.07008	0.09901	348.12	17,387.52	50,471.62	71,307.00	139,514.26	
19	440 N ORLANDO AVE	6,060	835,600	29.01	3.84	0.07008	0.09901	348.12	23,270.40	58,558.85	82,732.76	164,910.12	
20	500 N NEW YORK AVE	7,140	1,140,000	29.01	3.84	0.07008	0.09901	348.12	27,417.60	79,891.20	112,871.40	220,528.32	
21	1111 S LAKEMONT AVE	8,768	1,174,400	29.01	3.84	0.07008	0.09901	348.12	33,669.12	82,301.95	116,277.34	232,596.54	
22	2100 SUMMERFIELD RD	21,960	2,136,000	234.93	3.84	0.07008	0.09901	2,819.16	84,326.40	149,690.88	211,485.36	448,321.80	
23	200 N LAKEMONT AVE	16,946	2,268,720	29.01	3.84	0.07008	0.09901	348.12	65,074.18	158,991.90	224,625.97	449,040.16	
24	201 E COMSTOCK AVE	25,344	3,470,400	234.93	3.84	0.07008	0.09901	2,819.16	97,320.96	243,205.63	343,604.30	686,950.06	
	Time of Use Customers - Off Peak												
25	650 S CAPEN AVE	0	0		1.27	0.02843	0.07605		0.00	0.00	0.00	0.00	348.12
26	200 LOCH LOMOND DR	22	7,418		1.27	0.02843	0.07605		27.70	210.89	564.14	802.73	1,768.21
27	2345 ALOMA AVE	114	35,985		1.27	0.02843	0.07605		144.60	1,023.05	2,736.66	3,904.32	6,555.39
28	400 S PARK AVE	463	168,590		1.27	0.02843	0.07605		587.71	4,793.01	12,821.27	18,201.99	29,623.07
29	700 MELROSE AVE	525	244,800		1.27	0.02843	0.07605		667.00	6,959.66	18,617.04	26,243.71	41,520.95
30	460 E NEW ENGLAND AVE	1,509	351,400		1.27	0.02843	0.07605		1,916.43	9,990.30	26,723.97	38,630.70	66,137.39
31	2530 ALOMA AVE	1,652	546,480		1.27	0.02843	0.07605		2,097.79	15,536.43	41,559.80	59,194.02	95,544.29
32	200 E NEW ENGLAND AVE	1,789	562,720		1.27	0.02843	0.07605		2,271.78	15,998.13	42,794.86	61,064.76	102,400.16
33	500 OSCEOLA AVE	2,171	602,520		1.27	0.02843	0.07605		2,756.92	17,129.64	45,821.65	65,708.21	114,156.86
34	2100 GLENWOOD DR	1,831	711,520		1.27	0.02843	0.07605		2,325.12	20,228.51	54,111.10	76,664.73	124,167.10
35	1620 MAYFLOWER CT	3,092	1,114,400		1.27	0.02843	0.07605		3,926.84	31,682.39	84,750.12	120,359.35	197,213.15
36	1620 MAYFLOWER CT	3,232	1,178,400		1.27	0.02843	0.07605		4,104.64	33,501.91	89,617.32	127,223.87	208,905.70
37	1000 HOLT AVE	6,336	1,476,000		1.27	0.02843	0.07605		8,046.72	41,962.68	112,249.80	162,259.20	269,483.69
38	1550 GAY RD	3,774	1,555,800		1.27	0.02843	0.07605		4,792.98	44,231.39	118,318.59	167,342.96	265,357.33
39	741 S ORLANDO AVE	4,968	1,905,000		1.27	0.02843	0.07605		6,309.36	54,159.15	144,875.25	205,343.76	335,060.80
40	2295 ALOMA AVE	5,048	1,971,600		1.27	0.02843	0.07605		6,410.96	56,052.59	149,940.18	212,403.73	346,121.94
41	1620 MAYFLOWER CT	5,760	2,125,920		1.27	0.02843	0.07605		7,315.20	60,439.91	161,676.22	229,431.32	368,415.52
42	151 S NEW YORK AVE	4,533	2,295,100		1.27	0.02843	0.07605		5,756.91	65,249.69	174,542.36	245,548.96	385,063.22
43	440 N ORLANDO AVE	6,272	2,483,600		1.27	0.02843	0.07605		7,965.44	70,608.75	188,877.78	267,451.97	432,362.09
44	500 N NEW YORK AVE	8,936	3,597,600		1.27	0.02843	0.07605		11,348.72	102,279.77	273,597.48	387,225.97	607,754.29
45	1111 S LAKEMONT AVE	7,233	3,674,600		1.27	0.02843	0.07605		9,185.91	104,468.88	279,453.33	393,108.12	625,704.65
46	2100 SUMMERFIELD RD	22,416	5,512,800		1.27	0.02843	0.07605		28,468.32	156,728.90	419,248.44	604,445.66	1,052,767.46
47	200 N LAKEMONT AVE	17,232	7,082,160		1.27	0.02843	0.07605		21,884.13	201,345.81	538,598.27	761,828.21	1,210,868.37
48	201 E COMSTOCK AVE	25,704	11,066,400		1.27	0.02843	0.07605		32,644.08	314,617.75	841,599.72	1,188,861.55	1,875,811.61

CITY OF WINTER PARK, FLORIDA

Electric Cost of Service Update

General Service Demand Time of Use Customers

Annual Bills

Ln. No.	Description	Annual Billing Demand (kW)	Annual Energy (kWh)	GSD Rates Customer Charge	GSD Rates Demand Charge	GSD Rates Energy Charge	GSD Rates Fuel Charge	GSD Charges Customer Charge	GSD Charges Demand Charge	GSD Charges Energy Charge	GSD Charges Fuel Charge	GSD Charges Subtotal Charges	Total Charges
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
	Time of Use Customers - On Peak												
1	650 S CAPEN AVE	0	0	18.28	5.05	0.04216	0.08178	219.36	0.00	0.00	0.00	219.36	
2	200 LOCH LOMOND DR	22	3,156	18.28	5.05	0.04216	0.08178	219.36	110.09	133.06	258.10	720.60	
3	2345 ALOMA AVE	112	11,076	18.28	5.05	0.04216	0.08178	219.36	565.65	466.96	905.80	2,157.77	
4	400 S PARK AVE	455	55,154	18.28	5.05	0.04216	0.08178	219.36	2,297.45	2,325.29	4,510.49	9,352.59	
5	700 MELROSE AVE	515	76,600	18.28	5.05	0.04216	0.08178	219.36	2,599.74	3,229.46	6,264.35	12,312.90	
6	460 E NEW ENGLAND AVE	1,423	128,300	18.28	5.05	0.04216	0.08178	219.36	7,186.15	5,409.13	10,492.37	23,307.01	
7	2530 ALOMA AVE	1,621	176,100	18.28	5.05	0.04216	0.08178	219.36	8,187.06	7,424.38	14,401.46	30,232.25	
8	200 E NEW ENGLAND AVE	1,712	203,520	18.28	5.05	0.04216	0.08178	219.36	8,645.60	8,580.40	16,643.87	34,089.23	
9	500 OSCEOLA AVE	2,093	236,940	18.28	5.05	0.04216	0.08178	219.36	10,568.64	9,989.39	19,376.95	40,154.34	
10	2100 GLENWOOD DR	1,777	238,520	18.28	5.05	0.04216	0.08178	219.36	8,972.84	10,056.00	19,506.17	38,754.37	
11	1620 MAYFLOWER CT	3,076	382,600	18.28	5.05	0.04216	0.08178	219.36	15,533.80	16,130.42	31,289.03	63,172.60	
12	1620 MAYFLOWER CT	3,162	409,200	18.28	5.05	0.04216	0.08178	219.36	15,968.10	17,251.87	33,464.38	66,903.71	
13	1000 HOLT AVE	6,264	475,200	18.28	5.05	0.04216	0.08178	219.36	31,633.20	20,034.43	38,861.86	90,748.85	
14	1550 GAY RD	3,690	493,800	18.28	5.05	0.04216	0.08178	219.36	18,634.50	20,818.61	40,382.96	80,055.43	
15	741 S ORLANDO AVE	4,786	656,400	18.28	5.05	0.04216	0.08178	219.36	24,169.30	27,673.82	53,680.39	105,742.88	
16	2295 ALOMA AVE	4,824	679,200	18.28	5.05	0.04216	0.08178	219.36	24,361.20	28,635.07	55,544.98	108,760.61	
17	1620 MAYFLOWER CT	5,582	693,120	18.28	5.05	0.04216	0.08178	219.36	28,191.12	29,221.94	56,683.35	114,315.77	
18	151 S NEW YORK AVE	4,528	720,200	18.28	5.05	0.04216	0.08178	219.36	22,866.40	30,363.63	58,897.96	112,347.35	
19	440 N ORLANDO AVE	6,060	835,600	18.28	5.05	0.04216	0.08178	219.36	30,603.00	35,228.90	68,335.37	134,386.62	
20	500 N NEW YORK AVE	7,140	1,140,000	18.28	5.05	0.04216	0.08178	219.36	36,057.00	48,062.40	93,229.20	177,567.96	
21	1111 S LAKEMONT AVE	8,768	1,174,400	18.28	5.05	0.04216	0.08178	219.36	44,278.40	49,512.70	96,042.43	190,052.90	
22	2100 SUMMERFIELD RD	21,960	2,136,000	18.28	5.05	0.04216	0.08178	219.36	110,898.00	90,053.76	174,682.08	375,853.20	
23	200 N LAKEMONT AVE	16,946	2,268,720	18.28	5.05	0.04216	0.08178	219.36	85,579.32	95,649.24	185,535.92	366,983.84	
24	201 E COMSTOCK AVE	25,344	3,470,400	18.28	5.05	0.04216	0.08178	219.36	127,987.20	146,312.06	283,809.31	558,327.94	
	Time of Use Customers - Off Peak												
25	650 S CAPEN AVE	0	0			0.04216	0.08178		0.00	0.00	0.00	0.00	219.36
26	200 LOCH LOMOND DR	22	7,418			0.04216	0.08178		0.00	312.74	606.64	919.39	1,639.99
27	2345 ALOMA AVE	114	35,985			0.04216	0.08178		0.00	1,517.13	2,942.85	4,459.98	6,617.75
28	400 S PARK AVE	463	168,590			0.04216	0.08178		0.00	7,107.75	13,787.29	20,895.04	30,247.64
29	700 MELROSE AVE	525	244,800			0.04216	0.08178		0.00	10,320.77	20,019.74	30,340.51	42,653.42
30	460 E NEW ENGLAND AVE	1,509	351,400			0.04216	0.08178		0.00	14,815.02	28,737.49	43,552.52	66,859.53
31	2530 ALOMA AVE	1,652	546,480			0.04216	0.08178		0.00	23,039.60	44,691.13	67,730.73	97,962.99
32	200 E NEW ENGLAND AVE	1,789	562,720			0.04216	0.08178		0.00	23,724.28	46,019.24	69,743.52	103,832.75
33	500 OSCEOLA AVE	2,171	602,520			0.04216	0.08178		0.00	25,402.24	49,274.09	74,676.33	114,830.67
34	2100 GLENWOOD DR	1,831	711,520			0.04216	0.08178		0.00	29,997.68	58,188.11	88,185.79	126,940.16
35	1620 MAYFLOWER CT	3,092	1,114,400			0.04216	0.08178		0.00	46,983.10	91,135.63	138,118.74	201,291.34
36	1620 MAYFLOWER CT	3,232	1,178,400			0.04216	0.08178		0.00	49,681.34	96,369.55	146,050.90	212,954.60
37	1000 HOLT AVE	6,336	1,476,000			0.04216	0.08178		0.00	62,228.16	120,707.28	182,935.44	273,684.29
38	1550 GAY RD	3,774	1,555,800			0.04216	0.08178		0.00	65,592.53	127,233.32	192,825.85	272,881.28
39	741 S ORLANDO AVE	4,968	1,905,000			0.04216	0.08178		0.00	80,314.80	155,790.90	236,105.70	341,848.58
40	2295 ALOMA AVE	5,048	1,971,600			0.04216	0.08178		0.00	83,122.66	161,237.45	244,360.10	353,120.71
41	1620 MAYFLOWER CT	5,760	2,125,920			0.04216	0.08178		0.00	89,628.79	173,857.74	263,486.52	377,802.30
42	151 S NEW YORK AVE	4,533	2,295,100			0.04216	0.08178		0.00	96,761.42	187,693.28	284,454.69	396,802.04
43	440 N ORLANDO AVE	6,272	2,483,600			0.04216	0.08178		0.00	104,708.58	203,108.81	307,817.38	442,204.01
44	500 N NEW YORK AVE	8,936	3,597,600			0.04216	0.08178		0.00	151,674.82	294,211.73	445,886.54	623,454.50
45	1111 S LAKEMONT AVE	7,233	3,674,600			0.04216	0.08178		0.00	154,921.14	300,508.79	455,429.92	645,482.82
46	2100 SUMMERFIELD RD	22,416	5,512,800			0.04216	0.08178		0.00	232,419.65	450,836.78	683,256.43	1,059,109.63
47	200 N LAKEMONT AVE	17,232	7,082,160			0.04216	0.08178		0.00	298,583.87	579,179.04	877,762.91	1,244,746.75
48	201 E COMSTOCK AVE	25,704	11,066,400			0.04216	0.08178		0.00	466,559.42	905,010.19	1,371,569.62	1,929,897.55

CITY OF WINTER PARK, FLORIDA

Electric Cost of Service Update

General Service Demand Time of Use Customers

Annual Bills

Ln. No.	Description	Annual Charges TOU Rate	Annual Charges GSD Rate	Difference $	Difference %
	(a)	(b)	(c)	(d)	(e)
	Time of Use Customers				
1	650 S CAPEN AVE	$348.12	$219.36	-$128.76	-37.0%
2	200 LOCH LOMOND DR	1,768.21	1,639.99	-128.22	-7.3%
3	2345 ALOMA AVE	6,555.39	6,617.75	62.36	1.0%
4	400 S PARK AVE	29,623.07	30,247.64	624.57	2.1%
5	700 MELROSE AVE	41,520.95	42,653.42	1,132.46	2.7%
6	460 E NEW ENGLAND AVE	66,137.39	66,859.53	722.14	1.1%
7	2530 ALOMA AVE	95,544.29	97,962.99	2,418.69	2.5%
8	200 E NEW ENGLAND AVE	102,400.16	103,832.75	1,432.59	1.4%
9	500 OSCEOLA AVE	114,156.86	114,830.67	673.81	0.6%
10	2100 GLENWOOD DR	124,167.10	126,940.16	2,773.05	2.2%
11	1620 MAYFLOWER CT	197,213.15	201,291.34	4,078.19	2.1%
12	1620 MAYFLOWER CT	208,905.70	212,954.60	4,048.90	1.9%
13	1000 HOLT AVE	269,483.69	273,684.29	4,200.60	1.6%
14	1550 GAY RD	265,357.33	272,881.28	7,523.96	2.8%
15	741 S ORLANDO AVE	335,060.80	341,848.58	6,787.78	2.0%
16	2295 ALOMA AVE	346,121.94	353,120.71	6,998.78	2.0%
17	1620 MAYFLOWER CT	368,415.52	377,802.30	9,386.78	2.5%
18	151 S NEW YORK AVE	385,063.22	396,802.04	11,738.83	3.0%
19	440 N ORLANDO AVE	432,362.09	442,204.01	9,841.92	2.3%
20	500 N NEW YORK AVE	607,754.29	623,454.50	15,700.22	2.6%
21	1111 S LAKEMONT AVE	625,704.65	645,482.82	19,778.17	3.2%
22	2100 SUMMERFIELD RD	1,052,767.46	1,059,109.63	6,342.17	0.6%
23	200 N LAKEMONT AVE	1,210,868.37	1,244,746.75	33,878.38	2.8%
24	201 E COMSTOCK AVE	1,875,811.61	1,929,897.55	54,085.94	2.9%
25	TOTAL	$8,763,111.36	$8,967,084.65	$203,973.30	2.3%

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Summary of Existing Rates and Proposed Rates

Ln. No.	Rate Description	Unit	Existing Rates Effective August 1, 2022	Proposed Option 1 Effective 2023	Proposed Option 2 Effective 2023
	(a)	(b)	(c)	(d)	(e)
	Residential Service				
	Schedule RS				
1	Monthly Customer Charge	$/Mo.	$16.98	$16.98	$16.98
	Energy Charges < 1,000 kWh's				
2	Base	$/kWh	$0.06624	$0.06524	$0.06574
3	Fuel Cost Recovery Factor	$/kWh	$0.07697	$0.07697	$0.07697
	Energy Charges > 1,000 kWh's				
4	Base	$/kWh	$0.08840	$0.08740	$0.08790
5	Fuel Cost Recovery Factor	$/kWh	$0.08697	$0.08697	$0.08697
	General Service Non-Demand				
	Rate Schedule GS-1				
	Monthly Customer Charges				
6	Non Metered Accounts	$/Mo.	$7.11	$7.11	$7.11
	Metered Accounts				
7	Secondary Delivery Voltage	$/Mo.	$17.55	$17.55	$17.55
8	Primary Delivery Voltage	$/Mo.	$221.86	$221.86	$221.86
	Energy and Demand Charges All kWh's				
9	Base	$/kWh	$0.07368	$0.07268	$0.07318
10	Fuel Cost Recovery Factor	$/kWh	$0.08178	$0.08178	$0.08178
	General Service Non-Demand				
	Rate Schedule GS-2 **(100% Load Factor)**				
	Monthly Customer Charge				
11	Non Metered Accounts	$/Mo.	$7.45	$7.45	$7.45
12	Metered Accounts	$/Mo.	$18.38	$18.38	$18.38
	Energy and Demand Charges All kWh's				
13	Base	$/kWh	$0.03736	$0.03736	$0.03736
14	Fuel Cost Recovery Factor	$/kWh	$0.08178	$0.08178	$0.08178
	General Service - Demand				
	Schedule GSD-1				
	Monthly Customer Charges				
	Metered Accounts				
15	Secondary Delivery Voltage	$/Mo.	$18.28	$18.28	$18.28
16	Primary Delivery Voltage	$/Mo.	$231.26	$231.26	$231.26
	Energy Charges All kWh's				
17	Base	$/kWh	$0.04216	$0.04216	$0.04216
18	Fuel Cost Recovery Factor	$/kWh	$0.08178	$0.08178	$0.08178
19	Demand Charge	$/kW	$5.05	$5.05	$5.05

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Summary of Existing Rates and Proposed Rates

Ln. No.	Rate Description	Unit	Existing Rates Effective August 1, 2022	Proposed Option 1 Effective 2023	Proposed Option 2 Effective 2023
	(a)	(b)	(c)	(d)	(e)
	General Service - Demand				
	Optional Time of Use Rate				
	Schedule GSDT-1				
	Monthly Customer Charges				
	Metered Accounts				
20	Secondary Delivery Voltage	$/Mo.	$29.01	Discontinued	$29.01
21	Primary Delivery Voltage	$/Mo.	$234.93	Discontinued	$234.93
	Energy Charges All kWh's				
22	On - Peak	$/kWh	$0.07008	Discontinued	$0.07225
23	Off - Peak	$/kWh	$0.02843	Discontinued	$0.02931
	Fuel Cost Recovery Factor				
24	On - Peak	$/kWh	$0.09901	Discontinued	$0.09901
25	Off - Peak	$/kWh	$0.07605	Discontinued	$0.07605
26	Base Demand Charge	$/kW	$1.27	Discontinued	$1.31
27	On-Peak Demand Charge	$/kW	$3.84	Discontinued	$3.96
28	Demand Charge Credit	$/kW	(0.35)	Discontinued	(0.35)

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Projected Revenues at
EXISTING RATES
Fiscal Year Ending September 30, 2022

Ln. No.	Customer Class Description	Existing Rate	Billing Determinants	Base Rate Revenue	Fuel Cost Recovery	Total Revenue
	(a)	(b)	(c)	(d)	(e)	(f)
	Residential					
1	Customer Charge	$16.98	144,992	$ 2,461,961	$ -	$ 2,461,961
2	Energy Charge < 1,000 kWhs	$ 0.06624	115,077,218	7,622,715	-	7,622,715
3	Energy Charge > 1,000 kWhs	$ 0.08840	75,133,059	6,641,762	-	6,641,762
4	Fuel Cost Recovery Factor < 1,000 kWhs	$ 0.07697	115,077,218	-	8,857,493	8,857,493
5	Fuel Cost Recovery Factor > 1,000 kWhs	$ 0.08697	75,133,059	-	6,534,322	6,534,322
6	***Total Residential***			$ 16,726,438	$ 15,391,816	$ 32,118,254
	Commercial					
	General Service Non-Demand					
7	Customer Charge	$17.55	12,964	$ 227,518	$ -	$ 227,518
8	Energy Charge	$ 0.07368	11,319,140	833,994	-	833,994
9	Fuel Cost Recovery Factor	$ 0.08178	11,319,140	-	925,679	925,679
10	*Subtotal GSND*			$ 1,061,512	$ 925,679	$ 1,987,192

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Projected Revenues at
PROPOSED OPTION 1 RATES
Fiscal Year Ending September 30, 2022

Ln. No.	Customer Class Description	Proposed Option 1	Billing Determinants	Base Rate Revenue	Fuel Cost Recovery	Total Revenue
	(a)	(b)	(c)	(d)	(e)	(f)
	Residential					
1	Customer Charge	$16.98	144,992	$ 2,461,961	$ -	$ 2,461,961
2	Energy Charge < 1,000 kWhs	$ 0.06524	115,077,218	7,507,638	-	7,507,638
3	Energy Charge > 1,000 kWhs	$ 0.08740	75,133,059	6,566,629	-	6,566,629
4	Fuel Cost Recovery Factor < 1,000 kWhs	$ 0.07697	115,077,218	-	8,857,493	8,857,493
5	Fuel Cost Recovery Factor > 1,000 kWhs	$ 0.08697	75,133,059	-	6,534,322	6,534,322
6	***Total Residential***			$ 16,536,228	$ 15,391,816	$ 31,928,044
	Commercial					
	General Service Non-Demand					
7	Customer Charge	$17.55	12,964	$ 227,518	$ -	$ 227,518
8	Energy Charge	$ 0.07268	11,319,140	822,675	-	822,675
9	Fuel Cost Recovery Factor	$ 0.08178	11,319,140	-	925,679	925,679
10	*Subtotal GSND*			$ 1,050,193	$ 925,679	$ 1,975,873
11	**Existing Residential**					$ 32,118,254
12	**Residential Difference**					$ (190,210)
13	**Existing General Service Non Demand**					$ 1,987,192
14	**General Service Non Demand Difference**					$ (11,319)
15	**Total Difference**					$ (201,529)

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Projected Revenues at
PROPOSED OPTION 2 RATES
Fiscal Year Ending September 30, 2022

Ln. No.	Customer Class Description	Proposed Option 2	Billing Determinants	Base Rate Revenue	Fuel Cost Recovery	Total Revenue
	(a)	(b)	(c)	(d)	(e)	(f)
	Residential					
1	Customer Charge	$16.98	144,992	$ 2,461,961	$ -	$ 2,461,961
2	Energy Charge < 1,000 kWhs	$ 0.06574	115,077,218	7,565,176	-	7,565,176
3	Energy Charge > 1,000 kWhs	$ 0.08790	75,133,059	6,604,196	-	6,604,196
4	Fuel Cost Recovery Factor < 1,000 kWhs	$ 0.07697	115,077,218	-	8,857,493	8,857,493
5	Fuel Cost Recovery Factor > 1,000 kWhs	$ 0.08697	75,133,059	-	6,534,322	6,534,322
6	***Total Residential***			$ 16,631,333	$ 15,391,816	$ 32,023,149
	Commercial					
	General Service Non-Demand					
7	Customer Charge	$17.55	12,964	$ 227,518	$ -	$ 227,518
8	Energy Charge	$ 0.07318	11,319,140	828,335	-	828,335
9	Fuel Cost Recovery Factor	$ 0.08178	11,319,140	-	925,679	925,679
10	*Subtotal GSND*			$ 1,055,853	$ 925,679	$ 1,981,532
11	**Existing Residential**					$ 32,118,254
12	**Residential Difference**					$ (95,105)
13	**Existing General Service Non Demand**					$ 1,987,192
14	**General Service Non Demand Difference**					$ (5,660)
15	**Total Difference**					$ (100,765)

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Comparison of Existing and Proposed Residential Service Rates [1]

			Residential Service Existing	Residential Service Option 1
Customer Charge		($)	$16.98	$16.98
Energy Charge	First 1,000 kWh	($/kWh)	$0.06624	$0.06524
Energy Charge	Additional kWh	($/kWh)	$0.08840	$0.08740
Fuel Cost [2]	First 1,000 kWh	($/kWh)	$0.07697	$0.07697
Fuel Cost [2]	Additional kWh	($/kWh)	$0.08697	$0.08697

		Existing		Option 1		Difference		
Usage (kWh)		Amount ($)	Unit Cost (Cents/kWh)	Amount ($)	Unit Cost (Cents/kWh)	Amount ($)	Unit Cost (Cents/kWh)	Percent (%)
500		93.90	18.780	93.37	18.674	(0.53)	(0.106)	-0.56%
600		109.08	18.180	108.44	18.074	(0.64)	(0.106)	-0.58%
700		124.26	17.752	123.52	17.646	(0.74)	(0.106)	-0.60%
800		139.44	17.430	138.59	17.324	(0.85)	(0.106)	-0.61%
900		154.62	17.180	153.67	17.074	(0.95)	(0.106)	-0.62%
1,000		169.80	16.980	168.74	16.874	(1.06)	(0.106)	-0.62%
1,100	[3]	188.39	17.126	187.22	17.020	(1.17)	(0.106)	-0.62%
1,200		206.98	17.248	205.71	17.142	(1.27)	(0.106)	-0.61%
1,300	[4]	225.57	17.351	224.19	17.245	(1.38)	(0.106)	-0.61%
1,400		244.16	17.440	242.67	17.334	(1.48)	(0.106)	-0.61%
1,500		262.75	17.517	261.16	17.411	(1.59)	(0.106)	-0.61%
2,000		355.69	17.785	353.57	17.679	(2.12)	(0.106)	-0.60%
2,500		448.64	17.946	445.99	17.840	(2.65)	(0.106)	-0.59%
3,000		541.59	18.053	538.41	17.947	(3.18)	(0.106)	-0.59%
4,000		727.48	18.187	723.24	18.081	(4.24)	(0.106)	-0.58%
5,000		913.37	18.267	908.07	18.161	(5.30)	(0.106)	-0.58%

[1] Amounts shown reflect single phase, inside the City service, and include a 6% franchise fee.
[2] Fuel Cost Recovery Factor effective August 2022.
[3] Median Residential monthly usage.
[4] Average Residential monthly usage.

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Study

Comparison of Existing and Proposed General Service Non-Demand Rates [1]

			General Service Non-Demand	
			Existing	Option 1
Customer Charge		($)	$17.55	$17.55
Energy Charge	All kWh	($/kWh)	$0.07368	$0.07268
Fuel Cost Recovery [2]		($/kWh)	$0.08178	$0.08178

	Existing		Option 1		Difference		
Usage (kWh)	Amount ($)	Unit Cost (Cents/kWh)	Amount ($)	Unit Cost (Cents/kWh)	Amount ($)	Unit Cost (Cents/kWh)	Percent (%)
1,000	183.39	18.339	182.33	18.233	(1.06)	(0.106)	-0.58%
1,250	224.59	17.967	223.26	17.861	(1.32)	(0.106)	-0.59%
1,500	265.78	17.719	264.19	17.613	(1.59)	(0.106)	-0.60%
1,750	306.98	17.542	305.13	17.436	(1.86)	(0.106)	-0.60%
1,900	331.70	17.458	329.69	17.352	(2.01)	(0.106)	-0.61%
2,000	348.18	17.409	346.06	17.303	(2.12)	(0.106)	-0.61%
3,000	512.97	17.099	509.79	16.993	(3.18)	(0.106)	-0.62%
4,000	677.75	16.944	673.51	16.838	(4.24)	(0.106)	-0.63%
5,000	842.54	16.851	837.24	16.745	(5.30)	(0.106)	-0.63%
7,500	1,254.51	16.727	1,246.56	16.621	(7.95)	(0.106)	-0.63%
10,000	1,666.48	16.665	1,655.88	16.559	(10.60)	(0.106)	-0.64%
11,000	1,831.27	16.648	1,819.61	16.542	(11.66)	(0.106)	-0.64%
12,000	1,996.05	16.634	1,983.33	16.528	(12.72)	(0.106)	-0.64%
13,000	2,160.84	16.622	2,147.06	16.516	(13.78)	(0.106)	-0.64%
14,000	2,325.63	16.612	2,310.79	16.506	(14.84)	(0.106)	-0.64%
15,000	2,490.42	16.603	2,474.52	16.497	(15.90)	(0.106)	-0.64%
17,250	2,861.19	16.587	2,842.90	16.481	(18.28)	(0.106)	-0.64%
20,000	3,314.36	16.572	3,293.16	16.466	(21.20)	(0.106)	-0.64%

[1] Amounts shown reflect single phase, inside the City service, and include a 6% franchise fee.
[2] Fuel Cost Recovery Factor effective August 2022.

CITY OF WINTER PARK, FLORIDA
Electric Cost of Service Update

Comparison of Existing and Proposed Residential Service Rates [1]

			Residential Service	
			Existing	Option 2
Customer Charge		($)	$16.98	$16.98
Energy Charge	First 1,000 kWh	($/kWh)	$0.06624	$0.06574
Energy Charge	Additional kWh	($/kWh)	$0.08840	$0.08790
Fuel Cost [2]	First 1,000 kWh	($/kWh)	$0.07697	$0.07697
Fuel Cost [2]	Additional kWh	($/kWh)	$0.08697	$0.08697

		Existing		Option 2		Difference		
Usage (kWh)		Amount ($)	Unit Cost (Cents/kWh)	Amount ($)	Unit Cost (Cents/kWh)	Amount ($)	Unit Cost (Cents/kWh)	Percent (%)
500		93.90	18.780	93.64	18.727	(0.27)	(0.053)	-0.28%
600		109.08	18.180	108.76	18.127	(0.32)	(0.053)	-0.29%
700		124.26	17.752	123.89	17.699	(0.37)	(0.053)	-0.30%
800		139.44	17.430	139.02	17.377	(0.42)	(0.053)	-0.30%
900		154.62	17.180	154.14	17.127	(0.48)	(0.053)	-0.31%
1,000		169.80	16.980	169.27	16.927	(0.53)	(0.053)	-0.31%
1,100	[3]	188.39	17.126	187.81	17.073	(0.58)	(0.053)	-0.31%
1,200		206.98	17.248	206.34	17.195	(0.64)	(0.053)	-0.31%
1,300	[4]	225.57	17.351	224.88	17.298	(0.69)	(0.053)	-0.31%
1,400		244.16	17.440	243.42	17.387	(0.74)	(0.053)	-0.30%
1,500		262.75	17.517	261.95	17.464	(0.80)	(0.053)	-0.30%
2,000		355.69	17.785	354.63	17.732	(1.06)	(0.053)	-0.30%
2,500		448.64	17.946	447.31	17.893	(1.32)	(0.053)	-0.30%
3,000		541.59	18.053	540.00	18.000	(1.59)	(0.053)	-0.29%
4,000		727.48	18.187	725.36	18.134	(2.12)	(0.053)	-0.29%
5,000		913.37	18.267	910.72	18.214	(2.65)	(0.053)	-0.29%

[1] Amounts shown reflect single phase, inside the City service, and include a 6% franchise fee.
[2] Fuel Cost Recovery Factor effective August 2022.
[3] Median Residential monthly usage.
[4] Average Residential monthly usage.

CITY OF WINTER PARK, FLORIDA

Electric Cost of Service Study

Comparison of Existing and Proposed General Service Non-Demand Rates [1]

			General Service Non-Demand	
			Existing	Option 2
Customer Charge		($)	$17.55	$17.55
Energy Charge	All kWh	($/kWh)	$0.07368	$0.07318
Fuel Cost Recovery [2]		($/kWh)	$0.08178	$0.08178

Usage	Existing		Option 2		Difference		
	Amount	Unit Cost	Amount	Unit Cost	Amount	Unit Cost	Percent
(kWh)	($)	(Cents/kWh)	($)	(Cents/kWh)	($)	(Cents/kWh)	(%)
1,000	183.39	18.339	182.86	18.286	(0.53)	(0.053)	-0.29%
1,250	224.59	17.967	223.93	17.914	(0.66)	(0.053)	-0.29%
1,500	265.78	17.719	264.99	17.666	(0.80)	(0.053)	-0.30%
1,750	306.98	17.542	306.05	17.489	(0.93)	(0.053)	-0.30%
1,900	331.70	17.458	330.69	17.405	(1.01)	(0.053)	-0.30%
2,000	348.18	17.409	347.12	17.356	(1.06)	(0.053)	-0.30%
3,000	512.97	17.099	511.38	17.046	(1.59)	(0.053)	-0.31%
4,000	677.75	16.944	675.63	16.891	(2.12)	(0.053)	-0.31%
5,000	842.54	16.851	839.89	16.798	(2.65)	(0.053)	-0.31%
7,500	1,254.51	16.727	1,250.54	16.674	(3.97)	(0.053)	-0.32%
10,000	1,666.48	16.665	1,661.18	16.612	(5.30)	(0.053)	-0.32%
11,000	1,831.27	16.648	1,825.44	16.595	(5.83)	(0.053)	-0.32%
12,000	1,996.05	16.634	1,989.69	16.581	(6.36)	(0.053)	-0.32%
13,000	2,160.84	16.622	2,153.95	16.569	(6.89)	(0.053)	-0.32%
14,000	2,325.63	16.612	2,318.21	16.559	(7.42)	(0.053)	-0.32%
15,000	2,490.42	16.603	2,482.47	16.550	(7.95)	(0.053)	-0.32%
17,250	2,861.19	16.587	2,852.05	16.534	(9.14)	(0.053)	-0.32%
20,000	3,314.36	16.572	3,303.76	16.519	(10.60)	(0.053)	-0.32%

[1] Amounts shown reflect single phase, inside the City service, and include a 6% franchise fee.
[2] Fuel Cost Recovery Factor effective August 2022.

Utilities Advisory Board

agenda item

item type Action Items	meeting date October 25, 2022
prepared by Clarissa Howard	approved by
board approval	
strategic objective	

subject
Educational Campaign - Clarissa Howard

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:
UAB Educational Plan - SCHEDULE - DRAFT.pdf

UTILITY ADVISORY BOARD MEETING

SEPTEMBER 27, 2022

EDUCATIONAL CAMPAIGN

DRAFT SCHEDULE

PRESENTED BY: CLARISSA HOWARD, COMMUNICATIONS DIRECTOR

UTILITIES EDUCATIONAL CAMPAIGN

DRAFT SCHEDULE

Topic	Month/Frequency
Fuel costs	Now & as needed
Solar awning	October 2022 - Special event
Public Power stats **Rate comparisons**	Quarterly beginning with next WP Update newsletter
Undergrounding	Quarterly beginning with next WP Update newsletter
Water conservation	Rebates: Quarterly Water Restrictions & Outdoor Conservation: DST (March – Nov) & EST (Nov – March) April – Water Conservation Month
Community Meeting	Spring 2023 (April) Locations TBD
Energy audits	Summer beginning in May thru August
HOA meetings	May & June – in prep for hurricane season
Rotary Meeting	July 2023
On the Road **Orange TV segment**	August 2023
TBD	
Energy efficiency study	Working on proper timeline with Natural Resources & Sustainability
Septic to sewer conversion incentive	TBD

Communication Tools:

- *Winter Park Update* newsletter (Quarterly): Issued in December, March, June, September
- Utility Bill inserts: Monthly
- Website, social media & citEnews (email): as needed

Utilities Advisory Board

agenda item

item type Non-Action Items	meeting date October 25, 2022
prepared by Daniel Dalessandro	approved by
board approval	
strategic objective	

subject

SAIDI – Data Available & How to Communicate – Justin Isler

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:
Sept 22 UAB slide.pdf

Winter Park Reliability Report

Month	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Jan		15	8	31	17	48	20	11	12	16	6	20	11	8	10	7	7	7
Feb		23	23	18	11	16	15	17	13	10	6	17	17	5	9	10	6	4
Mar		15	5	30	9	26	71	18	19	23	12	8	14	7	10	13	7	7
Apr		8	17	18	24	41	45	35	21	11	33	19	17	21	18	9	10	10
May		25	38	40	37	43	38	31	29	30	22	36	13	14	14	19	13	27
Jun		27	48	49	40	54	42	67	61	47	48	35	18	13	26	17	28	17
Jul		55	45	31	50	47	52	37	37	45	55	17	29	21	20	14	19	19
Aug		37	24	57	41	43	28	45	30	33	40	15	21	24	15	21	13	
Sept		33	37	24	18	29	34	36	25	26	23	12	4	21	14	16	11	
Oct		29	18	20	27	19	54	38	16	16	18	12	11	15	18	8	18	
Nov		15	13	14	31	24	9	17	27	13	20	4	8	11	8	16	7	
Dec		15	26	14	20	30	16	21	8	12	12	2	9	14	3	15	7	
	total/yr	297	302	346	325	420	424	373	298	282	295	197	172	174	165	165	146	91
	Avg	24.8	25.2	28.8	27.1	35.0	35.3	31.1	24.8	23.5	24.6	16.4	14.3	14.5	13.8	13.8	12.2	13.0

Winter Park SAIDI Monthly Report

	July 2022			
	Outage type	Number Customers Sustained Interruptions	Customer Minutes of Interruption	SAIDI
	OH	210	16,003	1.1
	UG	2140	167,146	11.4
1	Vegetation	30	2061	0.1
2	Equipment Failure	1315	94,253	6.4
3	Animal	11	933	0.1
4	Weather	994	86,902	5.9
5	Foreign Interference	0	-	0.0
6	Undetermined	0	-	0.0
7	Human Cause	0	-	0.0
	Total For The Month	**2,350**	**184,149**	**12.53**
	14,693	Total Customer Count for COWP		

Utilities Advisory Board

agenda item

item type Non-Action Items	meeting date October 25, 2022
prepared by Wes Hamil	approved by Wes Hamil, Michelle del Valle, Randy Knight
board approval Completed	
strategic objective	

subject
Financial report for the fiscal year ended September 30, 2022

motion / recommendation
No action is necessary

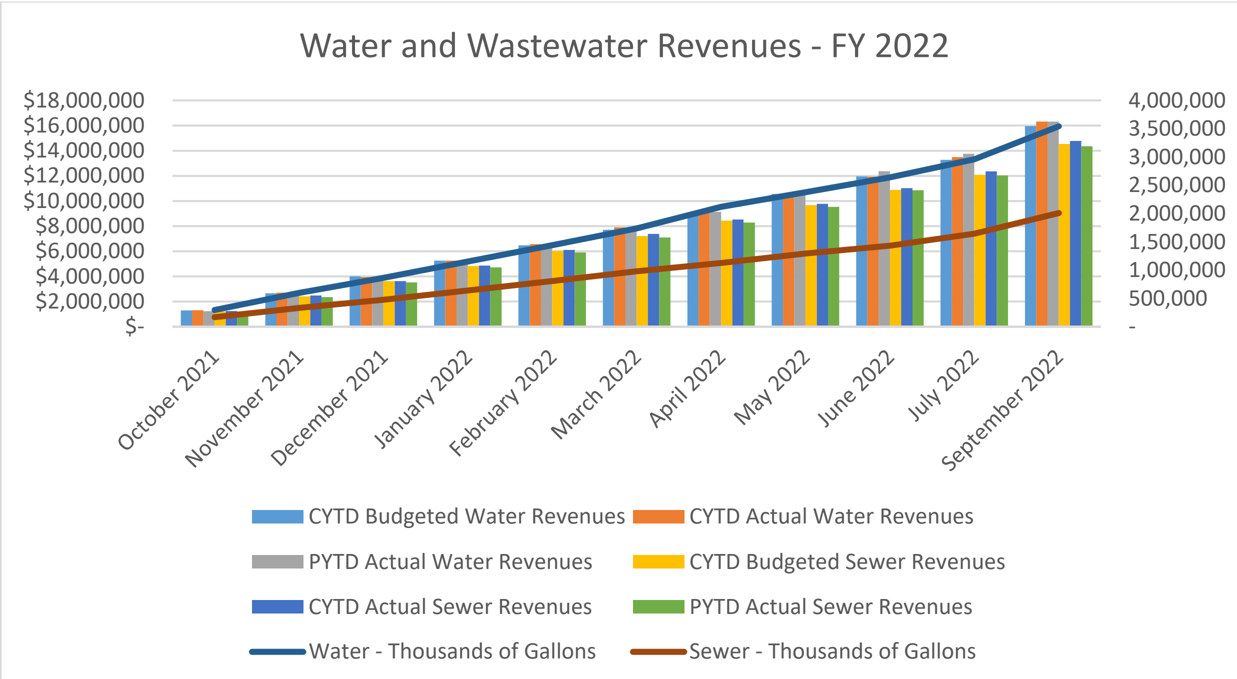
background

alternatives / other considerations

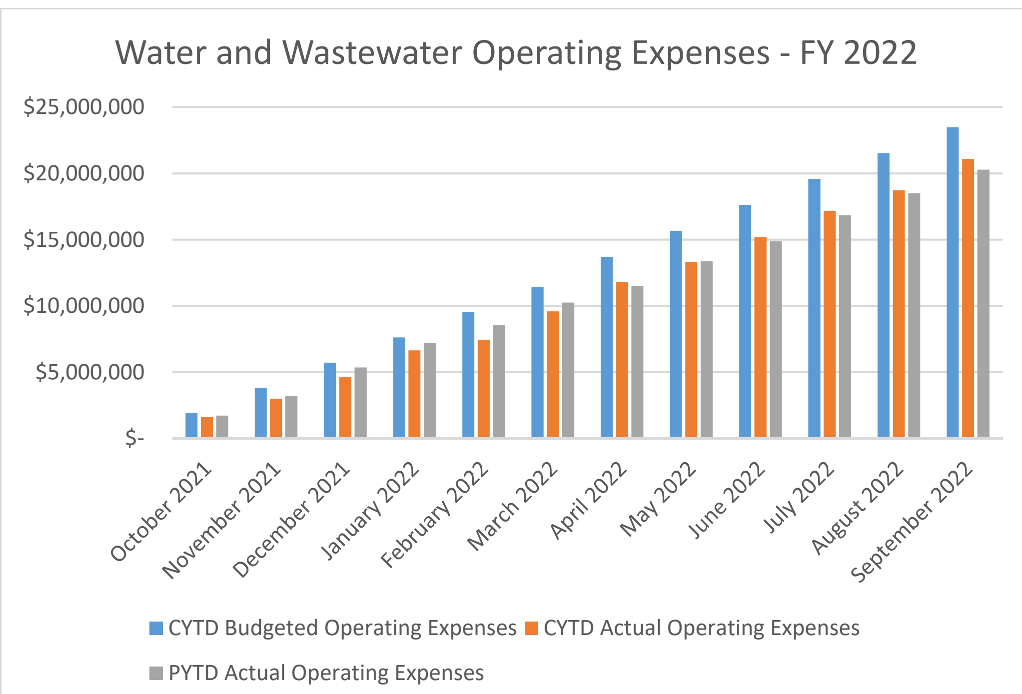
fiscal impact

ATTACHMENTS:
UAB Financial Report - September 30, 2022.pdf

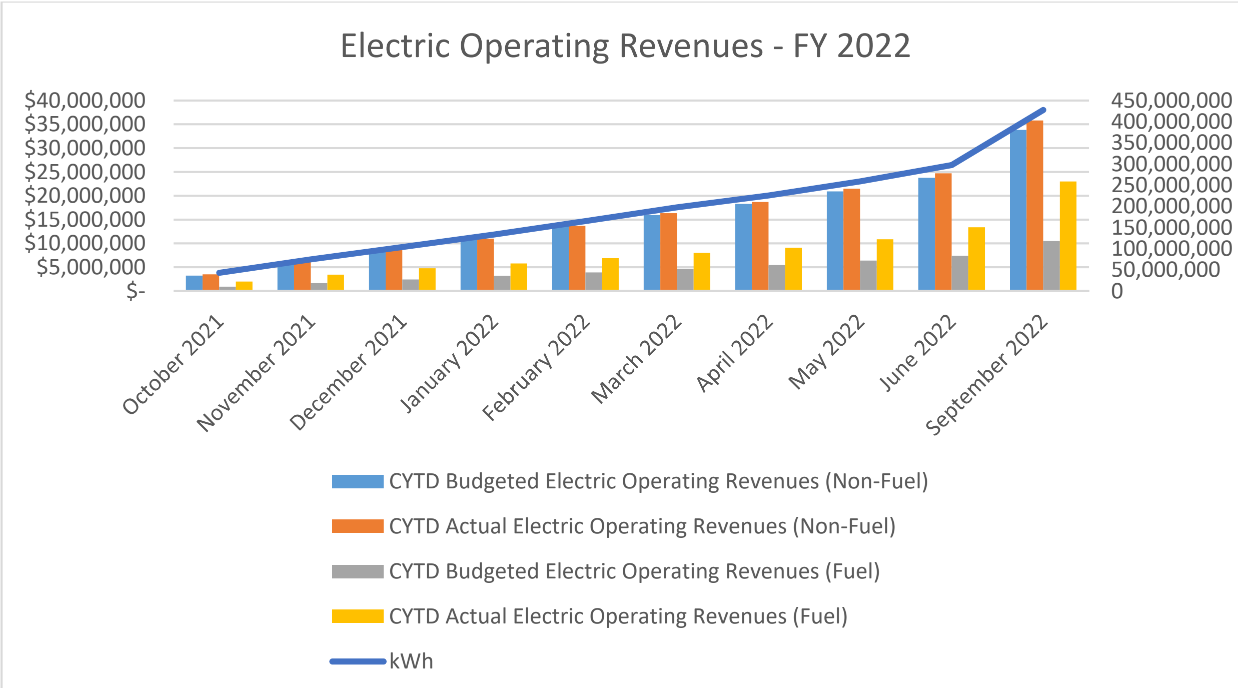
Key Financial Performance Indicators



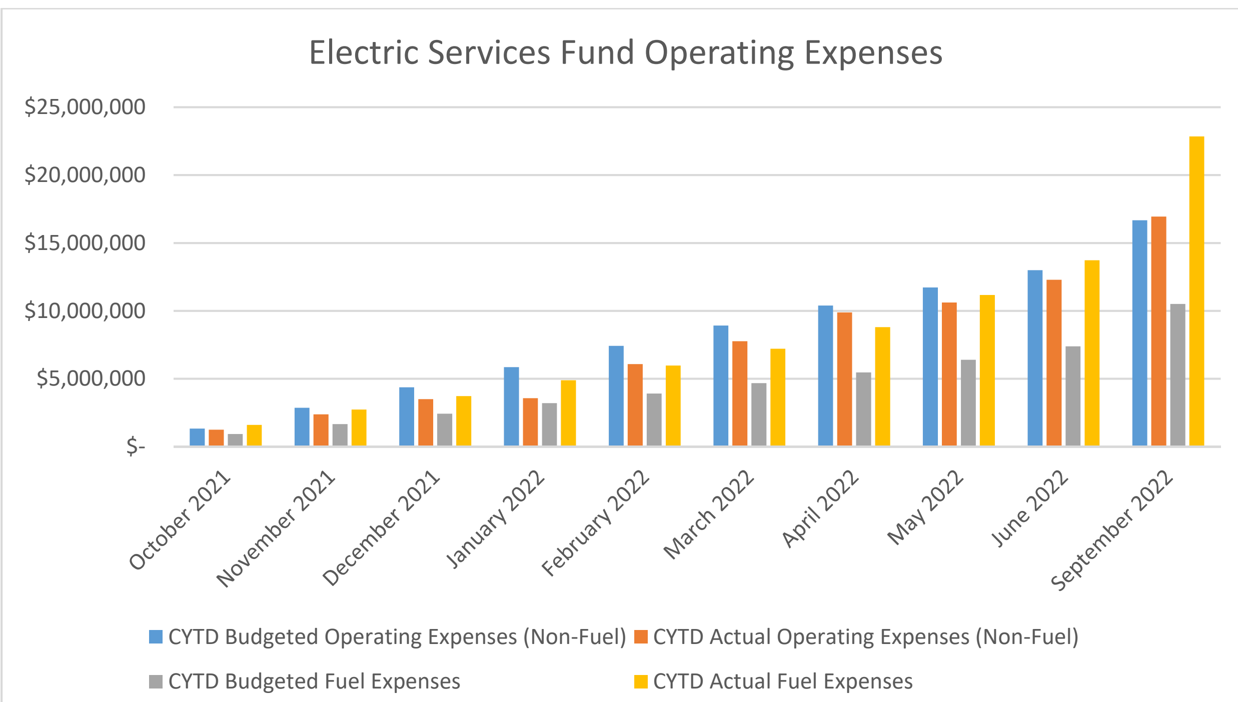
Water revenues are $351,669 (2.20%) above budget and wastewater revenues are $243,398 (1.67%) above budget.



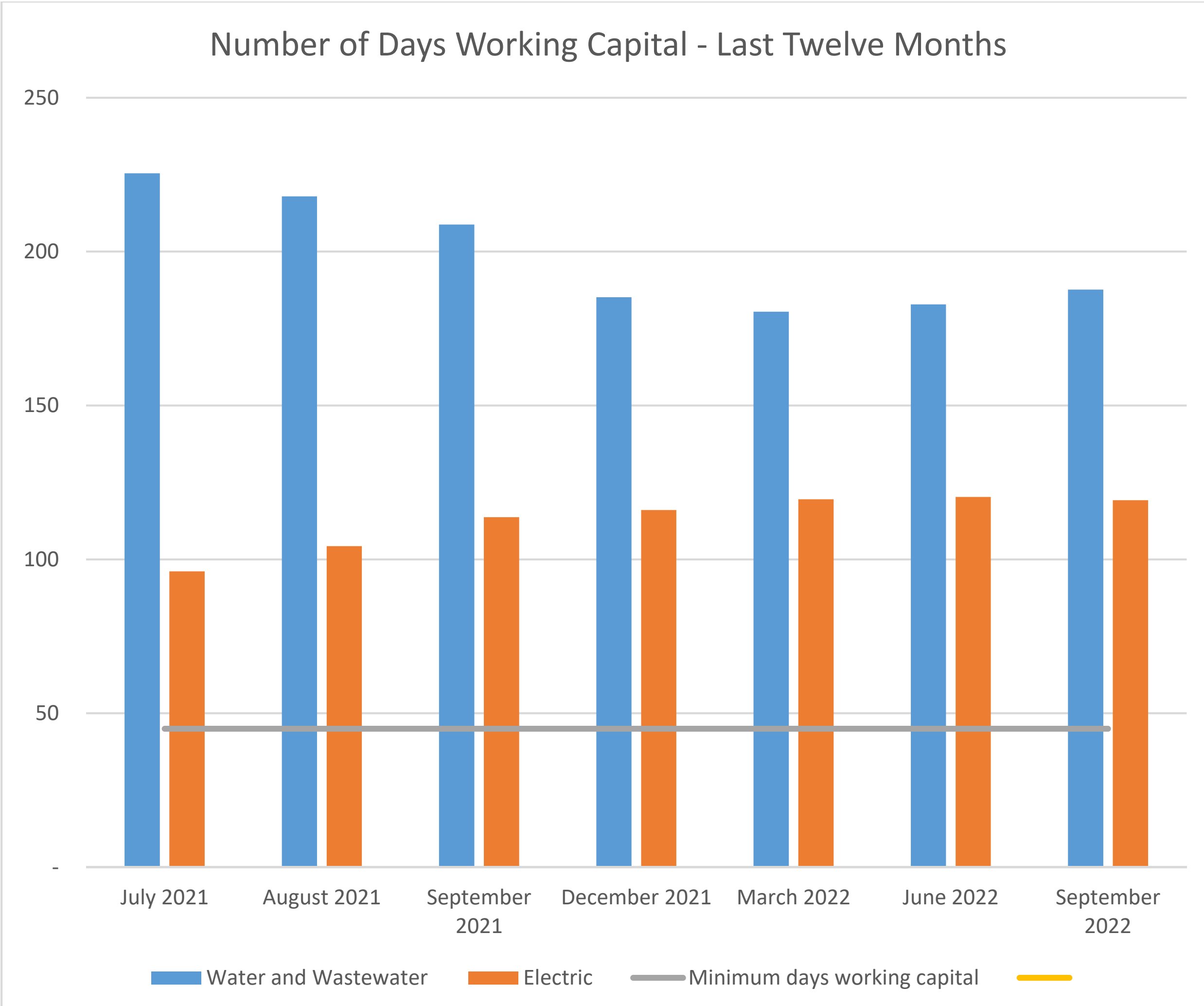
Water and wastewater operating expenses are within budget each month



Electric operating revenues are exceeding budget projections. Higher fuel rates are the reason for the significant variance from budget and prior year results.

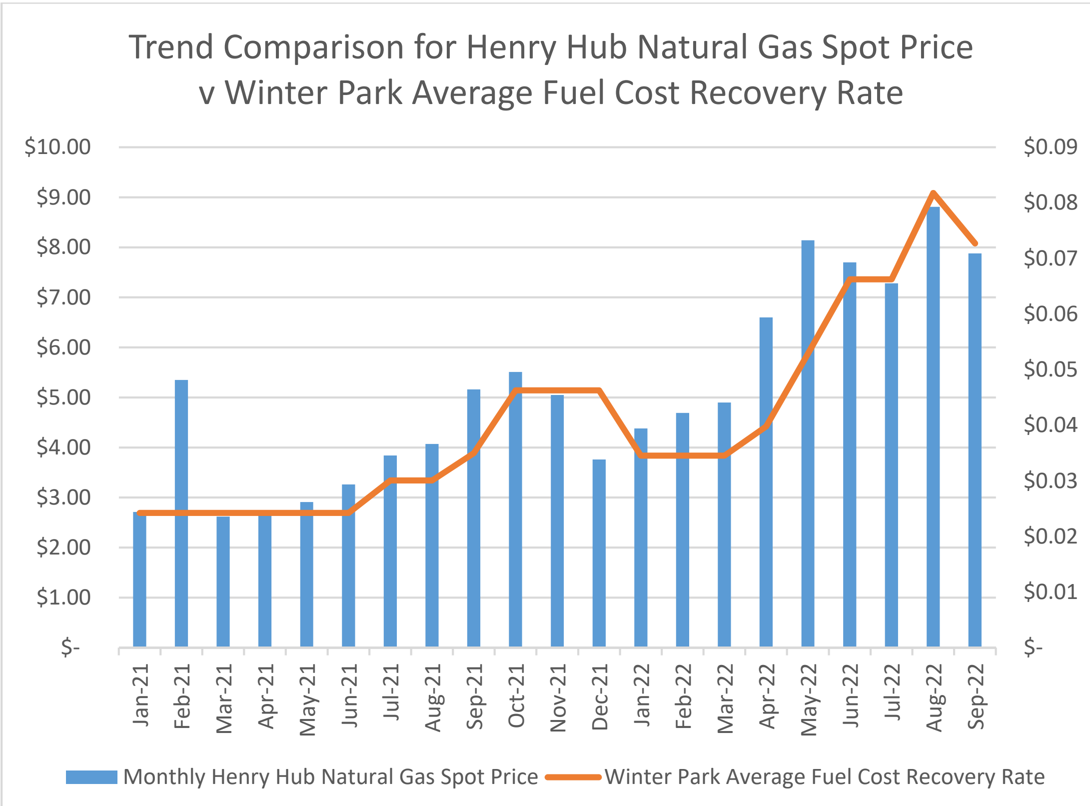


Non-fuel expenses were $276,119 in excess of the budget. This was mostly due to the $619,417 spent on refunds of undergrounding fees to customers who paid the discount to have their service underground while crews were in their neighborhood. Increases in natural gas costs are the reason for the fuel budget being exceeded.



Number of days of working capital exceed the minimum of 45 days in both Water and Wastewater and Electric. The decrease in number of days working capital is primarily attributable to market losses on the City's fixed income investment portfolio (investment earnings for FY 2022 were a negative $2,643,629 in the Water and Wastewater Fund) as a result of rising market interest rates reducing the market value of the City's fixed income investment portfolio. As the securities held by the City approach maturity, the values will increase. Investment earnings in the Electric Fund were a negative $478,850 for the same reason.

The chart below illustrates the marked increase in natural gas prices (the fuel used to produce most of the electricity the City purchases) with a corresponding trend line for the City's average fuel cost recovery rate:



Management's Discussion and Analysis (Unaudited)

The following discussion and analysis provides an overview of Winter Park's unaudited and preliminary financial position and results of operations in comparison to the approved budget and prior year equivalent period.

Operating Revenues Analysis:

	As of September 30				Variances			
	Actual 2022	**YTD Budget 2022**	**Actual 2021**		**Actual vs Budget**		**2022 vs 2021**	
Water	16,310,967	15,959,298	16,248,214		351,669	2.20%	62,753	0.39%
Wastewater	14,775,894	14,532,496	14,536,575		243,398	1.67%	239,319	1.65%
Electric	58,595,585	43,995,206	46,277,304		14,600,379	33.19%	12,318,281	26.62%
Other - Water and Wastewater	1,555,136	1,836,000	1,661,767		(284,864)	(15.52%)	(110,631)	(6.66%)
Other - Electric	930,098	906,400	851,314		23,698	2.61%	78,784	9.25%

Budget Analysis:
Water revenues have a positive budget variance of 2.20% and wastewater has a positive 1.67% variance in comparison to budget. $12,884,705 of the budget variance for electric revenues is due to fuel revenues. Fuel rates were to keep up with increasing fuel costs. Partially offsetting this positive variance is a negative variance in residential non-fuel revenues, which is typically made up for in the summer months. Franchise fee and gross receipts tax revenues combined were $1,154,872 greater than budget as a result of higher fuel charges.

Prior Year Analysis:
Water and wastewater rates were increased by 1.17% effective October 1, 2021. Water sales in thousands of gallons are 0.19% less than the prior year. Wastewater sales in thousands of gallons are 5.65% higher.

Electric fuel revenues were $11,946,040 higher than the prior year due to the fuel rate increases discussed above.

Investment earnings were a negative $2,643,629 in the Water and Wastewater Fund as a result of rising market interest rates reducing the market value of the City's fixed income investment portfolio. As the securities held by the City approach maturity, the values will increase. Investment earnings in the Electric Fund were a negative $478,850 for the same reason.

Operating Expenses Analysis:

	As of September 30				Variances			
	Actual 2022	YTD Budget 2022	Actual 2021		Actual vs Budget		2022 vs 2021	
Water:								
Admin	1,994,087	2,304,957	2,077,937		310,870	13.49%	(83,850)	(4.04%)
Operating	19,258,627	20,716,733	18,679,452		1,458,106	7.04%	579,175	3.10%
Depreciation and amortization	3,626,608	0	3,613,366				13,242	0.37%
Electric:								
Admin	2,807,921	2,337,496	2,177,961		(470,425)	(20.13)%	629,960	28.92%
Operating	36,825,224	25,774,199	26,172,949		(11,051,025)	(42.88%)	10,652,275	40.70%
Depreciation and amortization	3,951,666	0	3,950,304				1,362	0.03%

Budget Analysis:
Water and Wastewater:
Vacant positions, wastewater treatment, and water line maintenance were all sources of budgetary savings.

Electric:
Administrative costs in the current year included $619,417 in refunds of undergrounding fees.
Bulk power purchases were over budget by $12,333,996 due to fuel cost increases. Significant areas where spending to date has been less than budgeted are vacant positions, bulk power transmission costs, and tree trimming.

Prior Year Analysis:
Water and Wastewater:
Costs for wastewater treatment by City of Orlando and Altamonte Springs were $347,430 higher than in the prior year.

Electric:
Administrative costs in the current year included $619,417 in refunds of undergrounding fees.

The fuel portion of the City’s bulk power costs were $10,498,977 higher than the prior year due to greater fuel costs.

The City of Winter Park, Florida
Statement of Net Position
Proprietary Funds
September 30, 2022
Unaudited

		Water and Wastewater				Electric		
		September 30, 2022		September 30, 2021		September 30, 2022		September 30, 2021
ASSETS								
Current Assets:								
Cash, Cash Equivalents and Investments	$	6,734,877	$	9,940,168	$	444,658	$	2,769,955
Restricted Cash, Cash Equivalents and Investments		58,467		53,600		-		-
Accounts Receivable - Net		2,868,637		1,397,954		9,746,646		3,974,106
Unbilled Service Charges		2,773,860		2,773,860		5,051,195		5,051,195
Accrued Interest Receivable		20,664		20,664		-		5,547
Due from Other Funds		-		-		-		-
Due from Other Governments		-		-		-		-
Inventories		1,155,050		993,206		4,791,735		3,764,374
Prepaid Items		128,395		81,529		-		(725)
Advances to Other Funds		2,520,000		2,800,000		-		-
Total current assets		16,259,950		18,060,981		20,034,234		15,564,452
Non-Current Assets:								
Restricted Assets:								
Cash, Cash Equivalents and Investments:								
Sinking/Debt Reserve Funds		3,408,733		3,229,143		3,943,220		3,883,544
Renewal and Replacement Funds		8,062,696		6,600,386		-		
Impact Fee Funds		14,667,014		15,352,922		-		
Capital Project Funds		14,865		15,139		-		
Customer Deposits		1,918,604		1,808,134		2,310,990		2,025,337
Accrued Interest Receivable:								
Impact Fee Funds		36,010		36,010		-		
Renewal and Replacement Funds		10,554		10,554		-		
Special Assessments Receivable		-				5,749		18,723
Capital Assets:								
Non-depreciable		4,183,708		4,183,708		10,134,277		10,134,277
Depreciable - Net		96,967,968		95,260,153		87,427,966		84,356,329
Other Assets:								
Deposits		274,000		274,000		-		
Total non-current assets		129,544,152		126,770,149		103,822,202		100,418,210
Total Assets		145,804,102		144,831,130		123,856,436		115,982,662
DEFERRED OUTFLOWS OF RESOURCES								
Deferred Expense on Refunding Bonds		3,238,050		3,672,411		3,162,545		3,604,085
Deferred Expense Other Postemployment Benefits Obligation		578,079		578,079		226,355		226,355
Total Deferred Outflows of Resources		3,816,129		4,250,490		3,388,900		3,830,440
LIABILITIES								
Current Liabilities:								
Accounts Payable		3,798,615		706,530		3,393,162		1,628,707
Accrued Liabilities		431,556		345,358		130,465		85,661
Due to Other Funds		-		-		-		-
Due to Other Governments		44,328		746,947		271,383		1,847,191
Accumulated Unused Compensated Absences		213,003		213,003		71,317		71,317
Accrued Interest Payable		382,296		424,977		818,220		873,544
Current Portion of Revenue Bonds Payable		3,620,000		3,365,000		3,125,000		3,010,000
Customer Deposits		1,918,604		1,808,134		2,310,990		2,025,338
Total current liabilities		10,408,402		7,609,949		10,120,537		9,541,758
Noncurrent Liabilities:								
Bonds Payable		42,022,421		45,647,579		47,761,460		50,963,751
Other Postemployment Benefits		2,045,219		2,045,219		786,008		786,008
Accumulated Unused Compensated Absences		432,510		432,510		100,441		100,441
Total noncurrent liabilities		44,500,150		48,125,308		48,647,909		51,850,200
Total Liabilities		54,908,552		55,735,257		58,768,446		61,391,958
DEFERRED INFLOW OF RESOURCES								
Other Postemployment Benefits Related Deferred Inflows		367,410		367,410		143,768		143,768
NET POSITION								
Net Investment in Capital Assets		58,762,170		54,118,832		49,838,328		44,120,940
Restricted for:								
Capital Projects (expendable)		11,696,252		15,381,772		-		
Renewal and Replacement (expendable)		8,022,112		6,559,802		-		
Unrestricted		15,863,735		16,918,547		18,494,794		14,156,436
Total Net Position	**$**	**94,344,269**	**$**	**92,978,953**		**68,333,122**	**$**	**58,277,376**

Note: the information above does not include all journal entries that would be completed for the comprehensive annual financial report

The City of Winter Park, Florida
Statement of Revenues, Expenses and Changes in Fund Net Position
Proprietary Funds
September 30, 2022
Unaudited

	Water and Wastewater			Electric		
	Actual September 30, 2022	YTD Budget September 30, 2022	Actual September 30, 2021	Actual September 30, 2022	YTD Budget September 30, 2022	Actual September 30, 2021
Operating Revenues:						
Water	$ 16,310,967	$ 15,959,298	$ 16,248,214	$ -	$	$ -
Wastewater	14,775,894	14,532,496	14,536,575	-		-
Electric	-	-	-	58,595,585	43,995,206	46,277,304
Other	1,551,136	1,836,000	1,661,767	930,098	906,400	851,314
Total Operating Revenues	**32,637,997**	**32,327,794**	**32,446,556**	**59,525,683**	**44,901,606**	**47,128,618**
Operating Expenses:						
General and Administrative	1,994,087	2,304,957	2,077,937	2,807,921	2,337,496	2,177,961
Operations	19,258,627	20,716,733	18,679,452	36,825,224	25,774,199	26,172,949
Depreciation and Amortization	3,626,608	-	3,613,366	3,951,666		3,950,304
Total Operating Expenses	**24,879,322**	**23,021,690**	**24,370,755**	**43,584,811**	**28,111,696**	**32,301,214**
Operating Income	**7,758,675**	**9,306,104**	**8,075,801**	**15,940,872**	**16,789,910**	**14,827,404**
Nonoperating Revenues (Expenses):						
Investment Losses	(2,634,629)	34,000	(131,141)	(478,850)	(38,000)	(53,282)
Gain on Disposal of Assets	11,546	-	39,874	34,843	25,000	11,815
Interest and Fiscal Charges	(1,597,433)	(1,168,226)	(1,790,567)	(2,021,829)	(1,658,940)	(2,156,814)
Miscellaneous Revenue	26,773	20,000	27,607	26,877	-	80,855
Total Nonoperating Revenues (Expenses)	**(4,193,743)**	**(1,114,226)**	**(1,854,227)**	**(2,438,959)**	**(1,671,940)**	**(2,117,426)**
Income Before Contributions and Transfers	**3,564,932**	**8,191,878**	**6,221,574**	**13,501,913**	**15,117,970**	**12,709,978**
Contributions and Transfers:						
Capital Contributions	707,252	-	727,911	-		-
Transfers In	-	-	462,000			
Transfers Out	(2,906,863)	(2,906,863)	(2,873,827)	(3,446,165)	(2,677,784)	(3,186,264)
Total Contributions and Transfers	**(2,199,611)**	**(2,906,863)**	**(1,683,916)**	**(3,446,165)**	**(2,677,784)**	**(3,186,264)**
Change in Net Position	**1,365,321**	**5,285,015**	**4,537,658**	**10,055,748**	**12,440,186**	**9,523,714**
Total Net Position - Beginning, as Restated	**92,978,948**		**88,441,295**	**58,277,374**		**48,753,662**
Total Net Position - Ending	**$ 94,344,269**		**92,978,953**	**68,333,122**		**58,277,376**

Note: the information above does not include all journal entries that would be completed for the comprehensive annual financial report

Utilities Advisory Board

agenda item

item type Staff Updates	meeting date October 25, 2022
prepared by Daniel Dalessandro	approved by
board approval	
strategic objective	

subject

Electric Utility - Dan D'Alessandro

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

Aug22 Electric Utility-DD.pdf

Monthly Electric Utility Update 09/02/22

Miles of Undergrounding performed

- Project J: 2.72 miles (45% complete)
- Project L: 9.57 miles (65.3% complete)
- Project Q: 5.78 miles (100% complete)
- Project R: 4.31 miles (37.8% complete) Commission approved advancement.
- Residential Service Conversions: 17
  (We will begin reporting the number of residential services converted to underground monthly under the new service to all homes policy. This number will increase monthly as mainline undergrounding is delayed with supply issues. We will work on putting together a total number of services compared to a total number of services converted in the coming months. We have not yet completed all of our field data collection in GIS.)

TOTAL so far for FY 2022 – 6.34 miles

Total Project Review

- Total Citywide Project Miles- 127.5
- Total Miles Completed- 92.84
- Percentage Completed- 72.8%
- Total miles remaining- 34.66

OH/UG Budget update

2022 Undergrounding budget = 6.4M

- FYTD = 4.42M

Notes of Interest

- Our solar awning is up and the panels are installed. Decking, flashing and lightning protection are being installed at this time and the system will be operational the beginning of October.
- Renegotiation of bulk solar contracts are underway and it is looking as though we will have favorable pricing moving forward with our power purchase. We are scheduled to begin receiving 5 MW of solar at the end of 2023 and incrementally receiving solar through the end of 2025. We will be receiving our solar from 3 different projects and as many as 4 different sights. The delays experienced are a nationwide issue due to supply.
- Clarissa has worked with our team and the UAB to put together a communication plan to communicate to our residents, likely quarterly, about any utility issues, stats and progress.

Issues/Concerns

- Supply and resource issues have caught up with us and it is evident we will not make 8 miles for 2022. Our team continues to work diligently toward this goal.
- Materials are going up exponentially (especially anything resin based like conduit) and the lead-time is extending.
- Transformers are 12 – 18 months out for lead times. We have enough in stock for any reliability issues that may arise but we are running very low for new construction. As planned we will divert crew efforts toward service conversions to insure we continue to move forward.
- The new billing system roll out through Tyler has been bumpy and a bit confusing to our residents. I think the wrinkles are being ironed out but we are fielding multiple customer concerns daily. Clarissa's team is working on communicating to our residents to help with the transition.

2022 Goals

- Zero personal injuries within work group
- Zero controllable vehicle accidents within work group
  - We had an employee hit a semi-truck box with our back-lot dolly he was bringing home from Tampa.
- Complete 8 miles (to include stretch goal) of underground conversions on the projects as designed
  - Projects R, J, Q & L
- Identify and complete areas with poor reliability for targeted undergrounding advancement (stretch goal of 2 miles) Project "Q" and "L" are our first targets.
- We will utilize targeted overtime with Heart crews to accomplish the additional 2 mile stretch goal
- Negotiate and secure a 2nd interconnection with OUC (Obviously depends on appropriate deal)
  - This has been put on the back burner with OUC due to personnel and material issues

- ➢ Green indicates goal has been met
- ➢ Red indicates goal will not be met
- ➢ Orange indicates still underway

Utilities Advisory Board

agenda item

item type Staff Updates	meeting date October 25, 2022
prepared by David Zusi	approved by
board approval	
strategic objective	

subject

Water & Wastewater Utility - David Zusi

motion / recommendation

background

alternatives / other considerations

fiscal impact

Utilities Advisory Board

agenda item

item type Staff Updates	meeting date October 25, 2022
prepared by Jennifer Guittard	approved by
board approval	
strategic objective	

subject

Performance Measurement - (attachment only)

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

Utility PM Oct2022.pdf

Utility Monthly Performance Measurements

The Utility Advisory Board identified performance measurements for the Electric and Water Utilities. These are activity and profitability measures used as management tools to set baseline performance measures to be reviewed monthly to implement strategies for improved performance on those baselines. This report organizes the performance measurements by service type.

Both

Service Type	Measure	Goal	June	July	Aug	On Target
Customer Service	Total calls to customer service queue:		5,962	6,305	17027	
	Customer hangup without selecting a queue		1,497	2,011	4,980	
	Turn on/off service		1,123	1,037	1,377	
	Billing info		1,610	1,719	5,713	
	Pay utility bill		887	593	3,736	
	Report power outage		560	563	635	
	System error and flow disconnect		129	235	379	
	Demolition		36	18	55	
	Commercial garbage		61	58	68	
	Transfer to water and wastewater		59	71	84	
	Average wait time for customers selecting a queue		6m 41s	5m 3s	23m36s	
	Abandoned call % for customers selecting a queue		6%	12%	23%	
	Number of disconnects for non-pay		229	0	0	
Financial	Accounts receivable/billed revenue – FYTD	<8%	6.98%	9.63%	•13.58%	Below Goal
	Average cost of purchased power per kWh - FYTD	<$0.05	$0.0583	$0.0683	•$0.0715	Below Goal
	Average cost of purchased power per kWh – FYTD – Fuel		$0.0443	$0.0482	•	
	Average cost of purchased power per kWh – FYTD – Non-Fuel	<$0.03	$0.0140	$0.0201	•	
	Average revenue per kWh – FYTD	>$0.10	$0.1275	$0.1305	$0.1369	Met Goal
	Bad debt expense/billed revenue – FYTD	<0.25%	0.16%	0.27%	•0.22%	Met Goal
	Debt service coverage ratios - W&S - FYTD	>1.5	2.41	2.46	•2.31	Met Goal
	Debt service coverage ratios - Electric - FYTD	>1.5	3.82	3.38	•3.89	Met Goal
	Percentage of utility accounts receivable over 60 days outstanding		1.93%	2.11%	•11.47%	
	Utility accounts receivable over 60 days outstanding		$137,961	$222,216	•$1,741,650	

• Due to August billing cycles not being completed until September, these stats reflect September data. All billing cycles were on schedule by the end of September. The City went live with Tyler utility billing application August 1.

Electric Utility

Service Type	Measure	Goal	June	July	Aug	On Target
Efficiency	Rate Comparison to Duke	<100%	94.5%	87.4%	89.5%	Met Goal
	Rate Comparison to State Avg	<105%	112.9%	105.5%	107.0%	Near Goal
Financial	Rolling 12 month kWh	418 (FY22)	418,648,487	426,792,964	427,942,861	Met Goal
Operational	Heart of Florida United Way Emergency Utility Assistance Program: Assistance provided to customers		$2,023	$2,147	$6,583.00	
	Heart of Florida United Way Emergency Utility Assistance Program: Available balance		$63,835	$61,688	$55,105.00	
	Heart of Florida United Way Emergency Utility Assistance Program: Number of customers approved for assistance		7	7	15	
	Underground System Complete (%)		72.20%	72.30%	72.80%	
Reliability	CAIDI		80.75	78.18	79.18	
	L-Bar		125.9	102.9	119.7	
	L-Bar Rank to Peers (12 mo rolling)	Top 5	15th/19	15th/21	13th/19	Below Goal
	Outage Occurrences		17	19	25	
	SAIDI		6.6	12.5	6.5	
	SAIDI Rank to Peers (12 mo rolling)	Top 5	5th/19	8th/21	6th/19	Near Goal
	SAIDI Sum	< 19 Annually	38.90	45.30	50.80	Below Goal

Water Sewer Utility

Service Type	Measure	Goal	June	July	Aug	On Target
Environment	Count of Rebates Processed		2	1	3	
	Total MWh generated from Aloma solar system	>15 MWh	16.98	17.52	15.62	Met Goal
Operational	Average % Water meters reporting	>98.5%	97.65%	97.53%	94.29%	Below Goal
	Count of Wastewater Incidents	0	0	1	1	Near Goal
	Wastewater Incident Overflow in 1,000s Gallons	0	0	0.3	0.3	Near Goal
	Water pumped compared to CUP allocation	<12.4 mgd	11.01	10.29	10.54	Met Goal

**FMPA and FMEA data often lag 1or2 months. *Water meter data unavailable May and June during system reporting update.*

Index Key- the monthly data text is colored green when the change from the previous month is an improvement, and red when it is not. The On Target column is highlighted comparing the most recent monthly data to the Goal: Red if below, Yellow if Near, Green if Above.

Utilities Advisory Board

agenda item

item type Board Comments	meeting date October 25, 2022
prepared by Pamela Bracko	approved by
board approval	
strategic objective	

subject

Broadband and Smart City Ad-Hoc Committee Update - Paul Conway

motion / recommendation

background

alternatives / other considerations

fiscal impact

Utilities Advisory Board

agenda item

item type Upcoming Agenda Items	meeting date October 25, 2022
prepared by Pamela Bracko	approved by
board approval	
strategic objective	

subject

Upcoming Board Items

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

Upcoming Board Items_rev 082322 - PB.pdf

Upcoming Board Items

1. October
   a. EV – Electric Vehicles – discussion

2. November
   a. UAB Strategic Plan - Dan D'Alessandro, Dave Zusi