FLORIDA PUBLIC SERVICE COMMISSION

EXHIBIT INDEX

FOR THE RULEHEARING DATED 05/02/2023 IN DOCKET 20200181-EI

Docket No. 20200181-EI
Exhibit List for Entry into Rule Hearing Record
(May 2, 2023)

EXH #	Witness	I.D. # As Filed	Exhibit Description	Issue Nos.	Entered
1	SACE	SACE-1	Energy Efficiency in the Southeast Report Excerpt		
2	SACE	SACE-2	Fuel Cost Whitepaper Excerpt		
3	LULAC & ECOSWF	LULAC-3	Presentation for Rule Hearing		
4	LULAC & ECOSWF	LULAC-4	Florida Utility Rate, Usage and Bill Data 1990-2021 (2022 for IOUs and JEA)		

EXHIBIT NO. 1

DOCKET NO: 20200181

WITNESS:

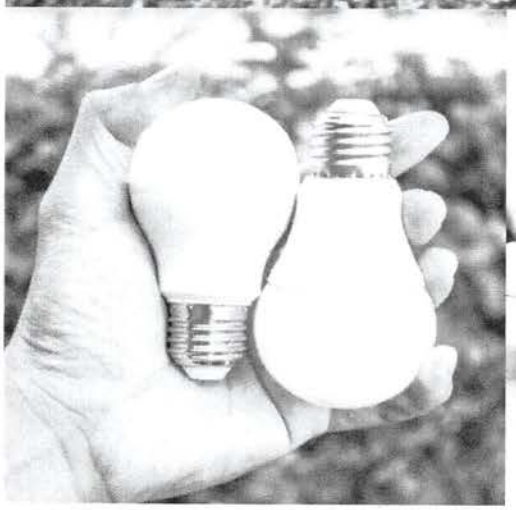
PARTY:

BRIEF TITLE OR DESCRIPTION OF THE DOCUMENT:

Energy Efficiency in the Southeast Report Excerpt

PROFFERED BY: SACE

ENERGY EFFICIENCY IN THE SOUTHEAST



cleanenergy.org
Clean Energy

MARCH 2023

ENERGY EFFICIENCY IN THE SOUTHEAST

FIFTH ANNUAL REPORT

AUTHOR
Forest Bradley-Wright
Energy Efficiency Director
forest@cleanenergy.org

DESIGN
Kate Tracy
Communications Manager

EDITING
Maggie Shober
Research Director

Amy Vaden
Development & Content Manager

Heather Pohnan
Energy Policy Manager

ABOUT SOUTHERN ALLIANCE FOR CLEAN ENERGY

The Southern Alliance for Clean Energy is a nonprofit organization that promotes responsible and equitable energy choices to ensure clean, safe and healthy communities throughout the Southeast. As a leading voice for energy policy in our region, SACE is focused on transforming the way we produce and consume energy in the Southeast.

Proper citation for this report:

Southern Alliance for Clean Energy (2023).

Energy Efficiency in the Southeast, Fifth Annual Report.

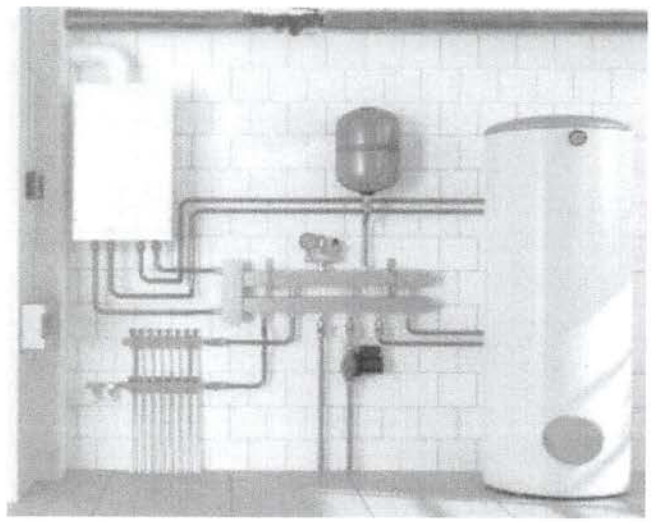
CONTENTS

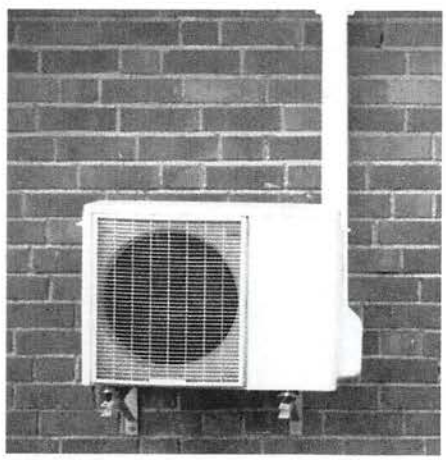
INTRODUCTION

Energy efficiency is a proven low-cost clean energy resource, but Southeastern utilities and regulators continue to underinvest and deprioritize it. As a result, households in many Southeastern states have some of the highest electricity usage and monthly energy bills in the nation. The fifth annual "Energy Efficiency in the Southeast" report examines the connection between energy efficiency and utility integrated resource planning, and the impacts that new federal investments will have on energy efficiency deployment in the region.

The COVID-19 pandemic had a particularly large impact on efficiency in the Southeast, resulting in savings declines that pushed the region further below the national average in 2020. In 2021, a few Southeastern utilities saw partial rebounds in their annual efficiency savings from the previous year, while others continued to slide.

This year's "Energy Efficiency in the Southeast" report documents recent policy developments and trends in electric utility efficiency data from 2021. **Utility energy efficiency programs are scored primarily on the basis of energy saved in 2021 as a percentage of the utility's total electricity sales.** Additional policy context is then added along with comparisons to state, regional, and national averages that highlight recent trends. The appendices include data for each of the utilities that fall within the scope of this report.





EFFICIENCY PERFORMANCE OF THE SOUTHEAST, STATES, AND UTILITIES

ENERGY PERFORMANCE OF U.S. REGIONS

REGION-TO-REGION COMPARISON

The Southeast has consistently lagged far behind other regions and the nation as a whole on utility energy efficiency performance. Since the start of the COVID-19 pandemic in early 2020, the region's downward slide has continued, in both absolute and relative terms. In 2021, total efficiency savings in the Southeast were approximately 25% lower than before the pandemic. Unfortunately, current policies and practices (or lack thereof) in the Southeast continue to be a barrier to attaining higher efficiency savings for customers, even as skyrocketing fossil gas prices drive up electricity bills.

ENERGY PERFORMANCE OF U.S. REGIONS

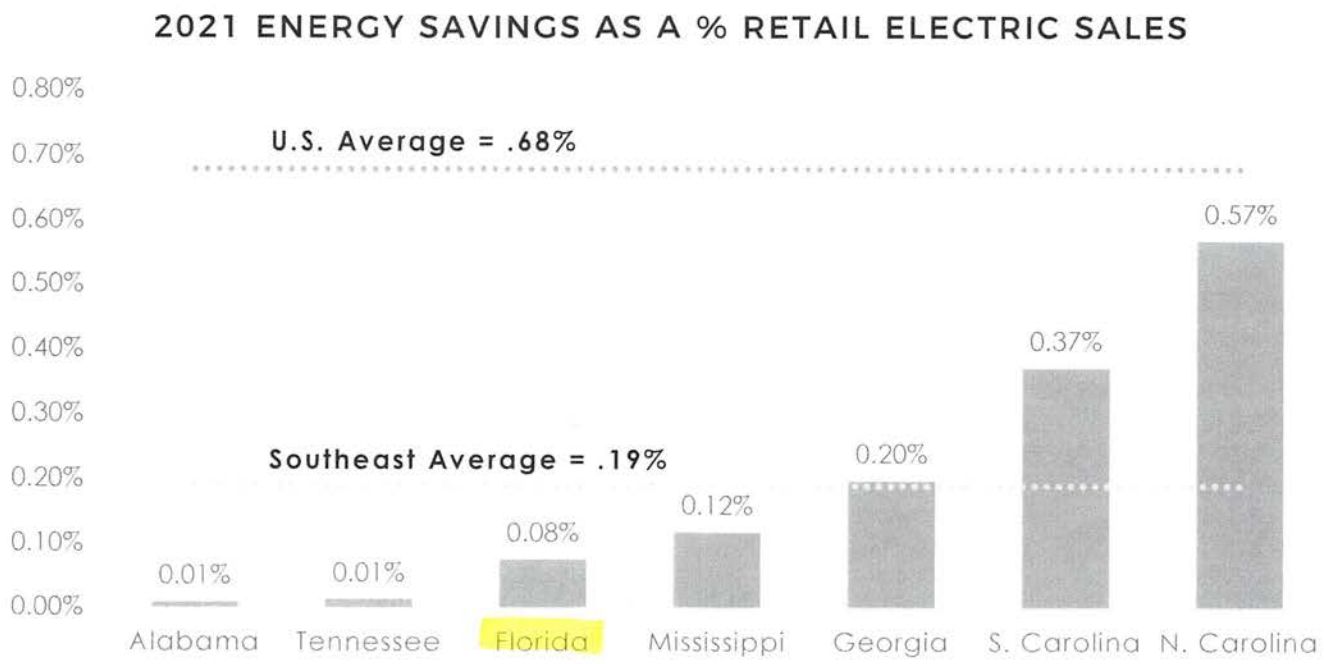
REGION	ERCENTAG
Southeast	0.19%

Throughout the rest of the U.S., states have found ways to maintain high levels of savings even as customer adoption and program penetration increased over time. Not only are the South and Southeast[1] performance outliers relative to all other regions, they have also consistently been the only ones that are below the national average – and as a result the only ones who are dragging the national average downwards. If the South is removed from the calculation, efficiency performance for all other regions would jump from 0.68% up to 1.04%, more than five times higher than savings in the Southeast region covered in this report.

But we can turn this long-standing deficiency into an opportunity. While other regions show how much higher efficiency saving performance can be, finding the next batch of efficiency savings can be more expensive and more challenging for them. By contrast, historic underinvestment on efficiency in the South and Southeast means that we still have abundant, low-cost efficiency resources available. Because of this, the South and Southeast are effectively the strategic efficiency reserve for our nation! Capturing this efficiency potential now will produce much needed economic benefits for the Southeast, and could accelerate our transition to clean energy.

STATE RANKINGS IN THE SOUTHEAST

To provide an equitable, unbiased comparison of efficiency performance for states of various sizes in the Southeast, SACE uses a standard metric that compares the percentage of annual efficiency savings to total retail electricity consumption.



In 2021, efficiency performance in most Southeastern states continued to be lower than their pre-pandemic levels. While South Carolina and Georgia saw modest efficiency savings increases over their performance in 2020, Tennessee had yet another steep decline, with savings levels that are now 95% lower than they were just five years ago. While North and South Carolina continued to pull the regional average up, all Southeastern states were below the national average in 2021.

[1] The Southeast falls within a portion of the South region. Please see appendix A for map.

EXHIBIT NO. 2

DOCKET NO: 20200181

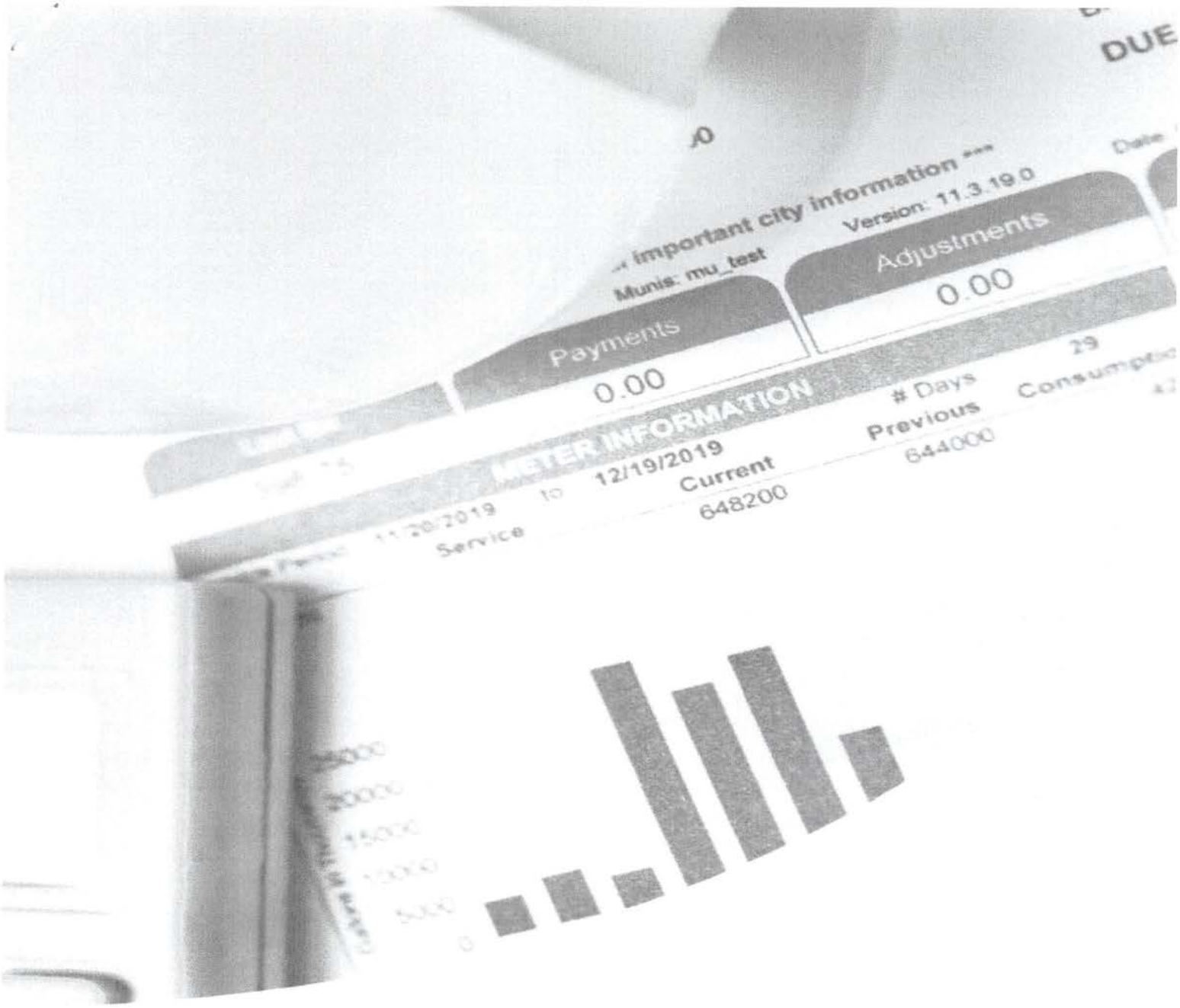
WITNESS:

PARTY:

BRIEF TITLE OR DESCRIPTION OF THE DOCUMENT:

Fuel Cost Whitepaper Excerpt

PROFFERED BY: SACE



SOUTHERN ALLIANCE FOR CLEAN ENERGY

DECODING FUEL COSTS IN ELECTRIC BILLS

eanenergy.org
Clean Energy

APRIL 2023

DECODING FUEL COSTS IN ELECTRIC BILLS

AUTHORS

Maggie Shober
Research Director
maggie@cleanenergy.org

George Cavros
Florida Director & Energy Policy Attorney
george@cleanenergy.org

DESIGN + EDITING

Kate Tracy
Communications Manager

ABOUT SOUTHERN ALLIANCE FOR CLEAN ENERGY

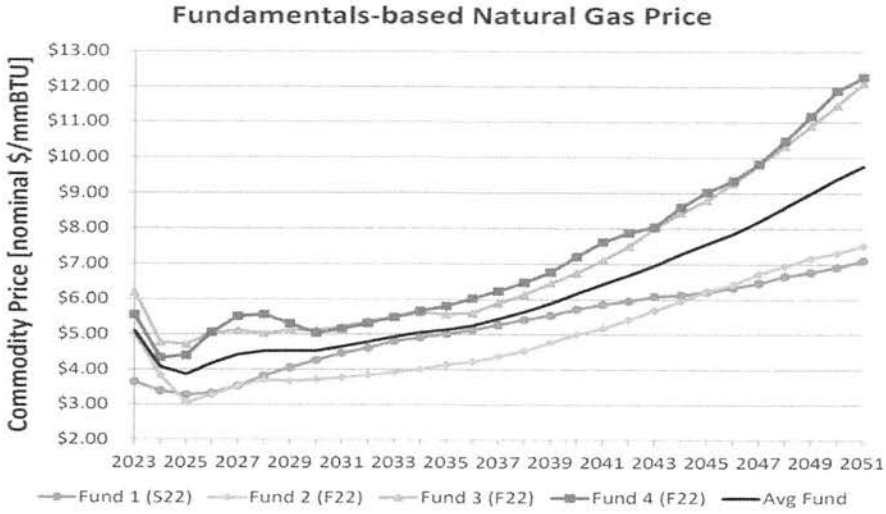
The Southern Alliance for Clean Energy is a nonprofit organization that promotes responsible and equitable energy choices to ensure clean, safe and healthy communities throughout the Southeast. As a leading voice for energy policy in our region, SACE is focused on transforming the way we produce and consume energy in the Southeast.

Proper citation for this report:
Southern Alliance for Clean Energy (2023).
Decoding Fuel Costs in Electric Bills

CONTENTS

In fact, this trend continues today despite the recent increases in gas prices. At its March 22, 2023 stakeholder meeting Duke Energy presented a chart, shown here as Figure 4, of gas price forecasts it plans to use in its upcoming 2023 Carbon Plan and Integrated Resource Plan to be filed September 1, 2023. Those forecasts tend to assume gas prices will decrease to approximately between $3-4.80/MMBtu in 2025 and not rise back above $6/MMBtu until 2036-2044. Duke's 2022 Carbon Plan included 2,000 MW of new gas capacity by 2029.

Figure 4. Gas Price Forecasts Presented by Duke Energy in 2023 Carbon Plan IRP Stakeholder Meeting



Source: Duke Energy Carolinas Resource Plans Stakeholder Meeting 3 slides, virtual meeting March 22, 2023, available online at [illegible]

FUEL COST TRENDS IN FLORIDA

Below we'll use the three largest investor-owned utilities in Florida to show just how much the fuel cost pass-through portion of electric bills has changed since 2020. The charts and analysis are based on rate schedules and filings from Florida Power & Light (FPL), Duke Energy Florida (DEF), and Tampa Electric Company (TECO) to the Florida Public Service Commission (PSC). For each of these utilities we calculated four different portions that make up the total average monthly electric bill: fixed fee, fuel charges, energy charges, and other charges. The other category includes non-fuel riders on the bill to pay for things like storm restoration and recovery and storm hardening, energy efficiency, and environmental cleanup. Since 2010 these three Florida utilities increased combined gas generation capacity by over 7,000 MW.

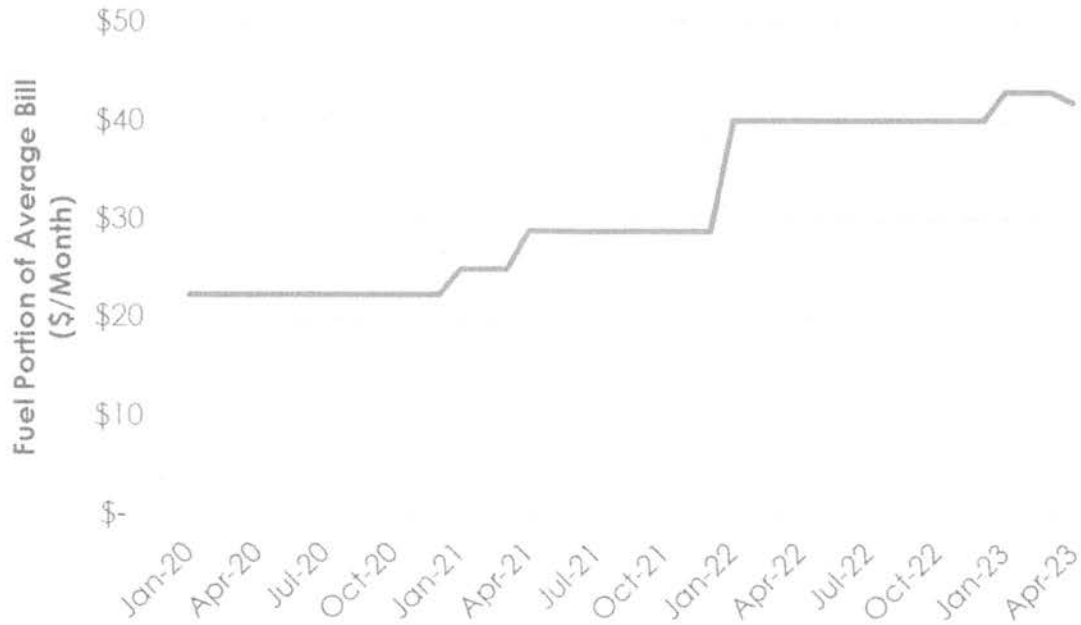
The trends and timelines are similar: Florida utilities did not forecast the sharp increase in gas prices in 2021, so they began filing to adjust Fuel Cost Recovery Factors at various times in 2021, 2022, and early 2023. The utilities had significantly under-recovered gas costs in 2022 which were recently approved for recovery on customer bills starting this month. The impact on customer bills from the 2022 under-recovered costs were mitigated as the Commission allowed the utilities to offset those costs against *projected* 2023 over-recovery of fuel costs. But the Fuel Cost Recovery Factors today are still *far above* levels in 2020, 2021, and 2022.

FLORIDA POWER & LIGHT

FPL is the largest electric utility in Florida and has taken its customers on a fuel cost rollercoaster over the last two years. FPL met 70% of its customers' demand with gas in 2020.[4]

In 2021 FPL's residential customers used an average of 1,116 kilowatt-hours (kWh) per month. Keeping that usage level steady, we see that the fuel portion of the average electric bill went from $22/month in 2020 to peak at $43/month in early 2023 before dropping slightly to $42/month in April of 2023, as seen in Figure 5.[5] The PSC has already approved another slight reduction in FPL's Fuel Cost Recovery Factor for May 2023, from $0.03656/kWh to $0.03224/kWh. This will bring the fuel cost portion of the bill to $37/month for the average FPL customer. If prices remain as forecasted, the fuel portion of the bill could remain at that $37/month level for the rest of 2023. Despite the recent and expected drop, the fuel portion of the bill adds an additional $15-20 each month to electric bills or $180-250 per year compared to 2020.

Figure 5. Monthly Fuel Charge on Average Florida Power & Light Residential Customer Bill January 2020 – April 2023



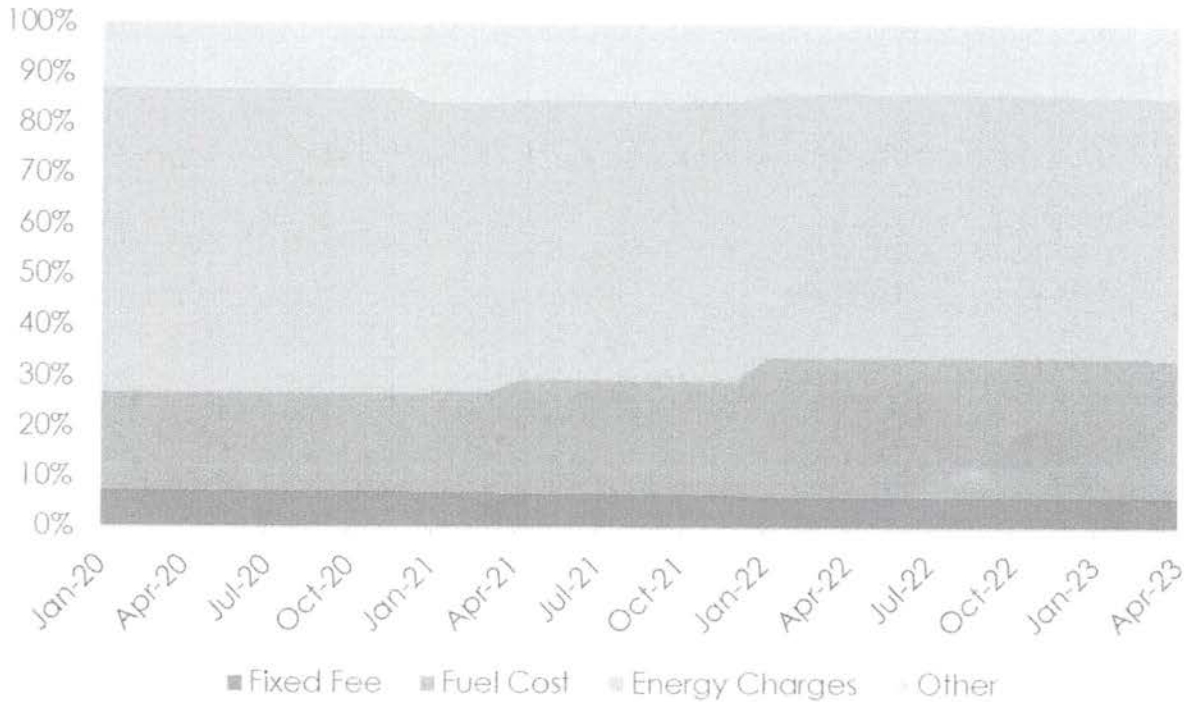
Source: Southern Alliance for Clean Energy Analysis of FPL Rate Documents

[4] For more on the changes in the generation mix used by FPL and other utilities, see SACE's 2022 Tracking Decarbonization in the Southeast Report at cleanenergy.org/wp-content/uploads/Tracking-Decarbonization-in-the-Southeast-Fourth-Annual-Report.pdf.

[5] In January 2022 Gulf Power merged into FPL, though the customers of legacy FPL and legacy Gulf still have different rates. The rate calculations presented here for FPL are for customers in the FPL legacy service territory.

Other portions of FPL residential customer bills have changed since 2020 as well. The portion of the bill based on fixed fees and energy rates went up 14-15% between January 2020 and April 2023, while the other portion of the bill increased 49% and the fuel portion of the bill increased 88% over that same time period. Because the fuel portion of the bill has increased more than the overall bill increase, that portion of the bill went from making up 19% of the total bill in 2020 to 25% of the total bill today, as seen in Figure 6. That means that the average FPL residential customer is paying $39 more each month today than in January 2020, an increase that is exacerbated by the increase in fuel costs passed on to customers.

Figure 6. Average Percent of Florida Power & Light Residential Monthly Bill by Bill Component



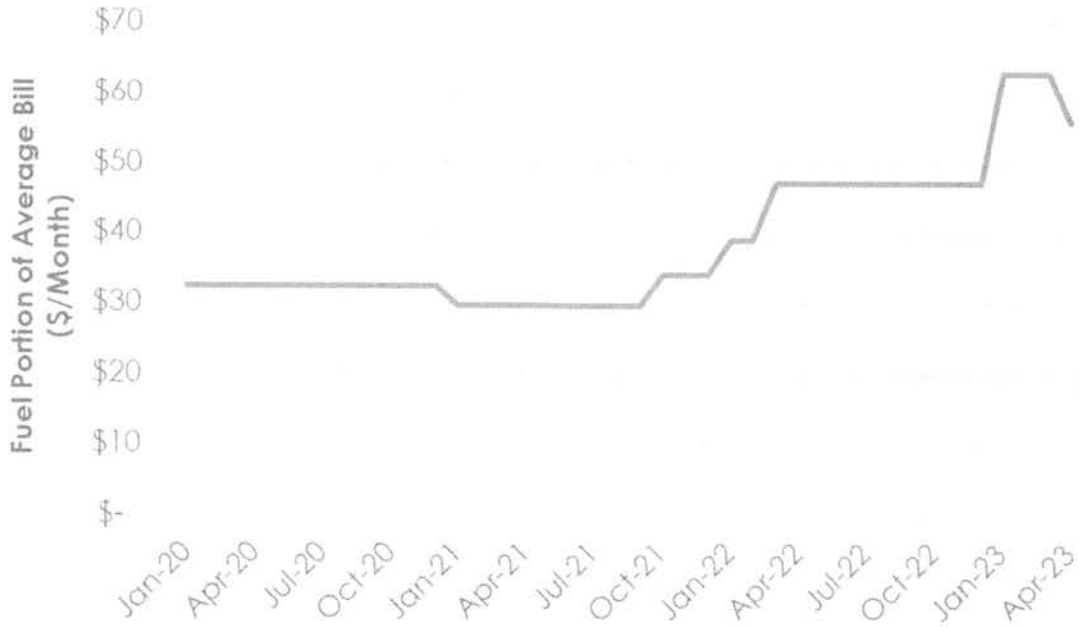
Source: Southern Alliance for Clean Energy Analysis of FPL Rate Documents

DUKE ENERGY FLORIDA

DEF is another large electric utility that serves customers in Florida. DEF met 87% of electric demand with gas in 2020.

Keeping the usage flat at the 2021 average residential monthly usage of 1,045 kWh, the fuel charge portion of the bill increased from $33/month in January 2020 to peak at $63/month in early 2023 to drop slightly to $56/month today, as seen in Figure 7. That means an average customer is paying an additional $23 each month or $281 each year on fuel costs compared to three years ago.

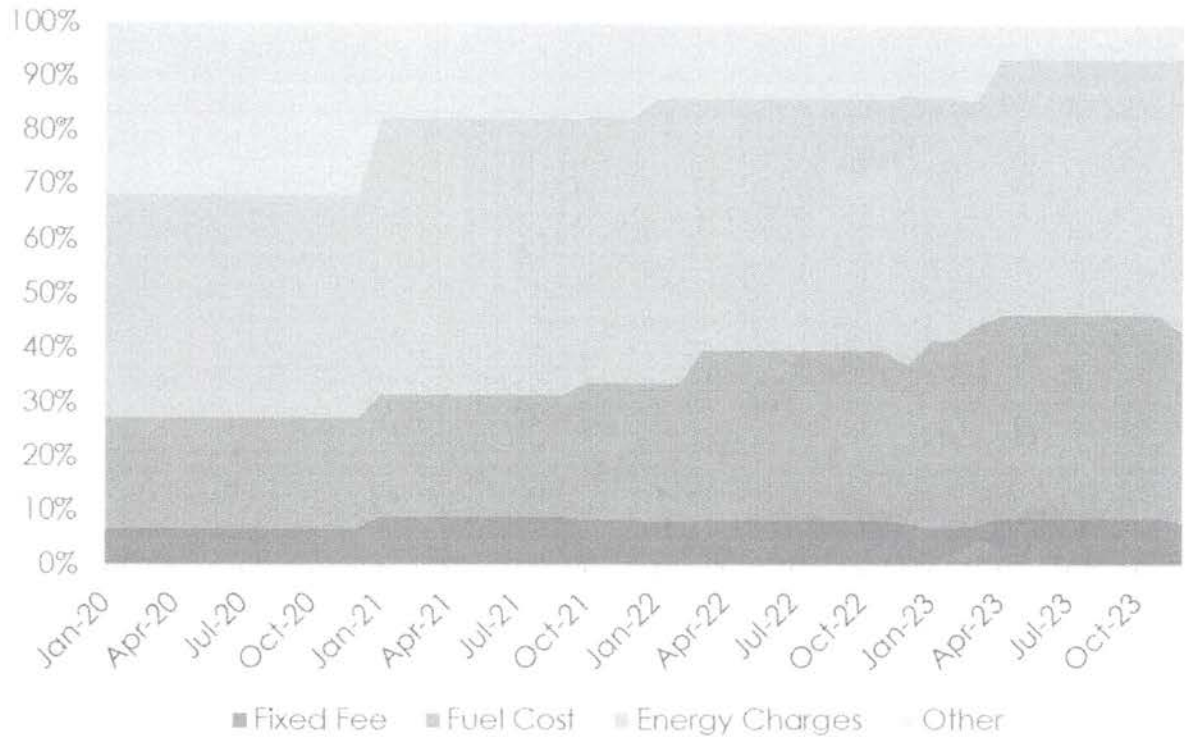
Figure 7. Monthly Fuel Charge on Average Duke Energy Florida Residential Customer Bill January 2020 – April 2023



Source: Southern Alliance for Clean Energy Analysis of DEF Rate Documents

The fuel cost portion of the average DEF residential customer has increased significantly more than any other portion of the bill since January 2020. It increased 72% compared to the 19% increase in the fixed fee and the 8% increase in the energy rate portion. The other portion declined over that time period. Thus the fuel portion went from being 21% of the total average electric bill in 2020 to 38% of the total average electric bill today, as seen in Figure 8.

Figure 8. Average Percent of Duke Energy Florida Residential Monthly Bill by Bill Component



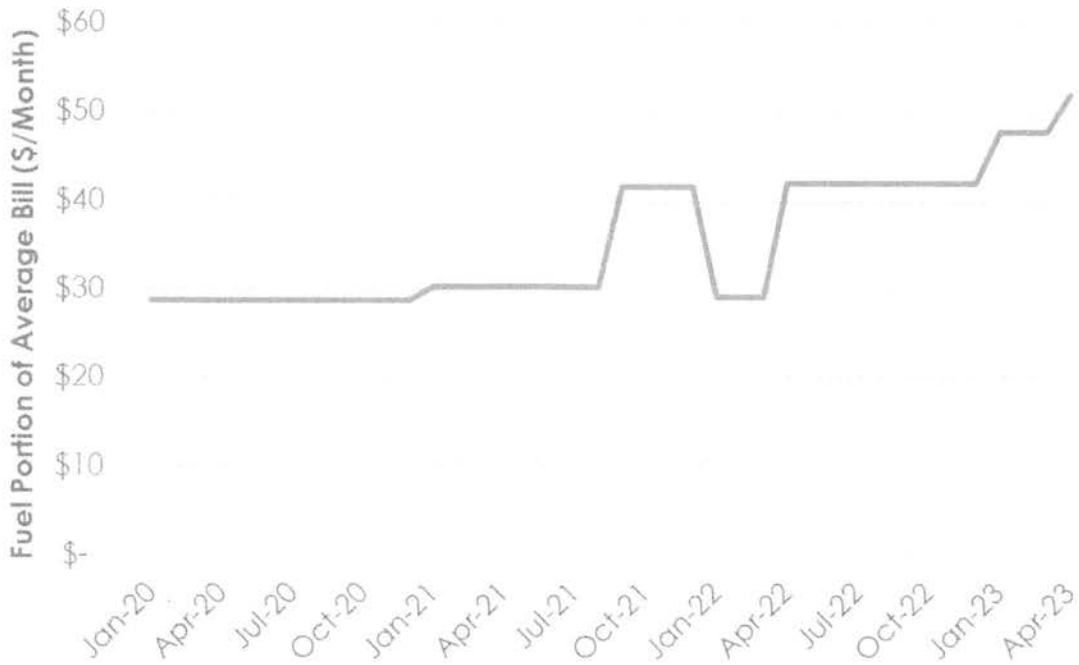
Source: Southern Alliance for Clean Energy Analysis of DEF Rate Documents

TAMPA ELECTRIC

TECO, another large electric utility in Florida, serves the Tampa area. Gas made up 86% of its generation mix in 2020.

In 2021 TECO's residential customers used an average of 1,162 kWh each month. Using that usage level to calculate bills, the fuel portion of electric bills increased from $29/month in 2020 to $52/month in April 2023, as seen in Figure 9. That means TECO residential customers are paying an average of $19-23 more each month or $267 each year on fuel charges in 2023 compared to 2020.

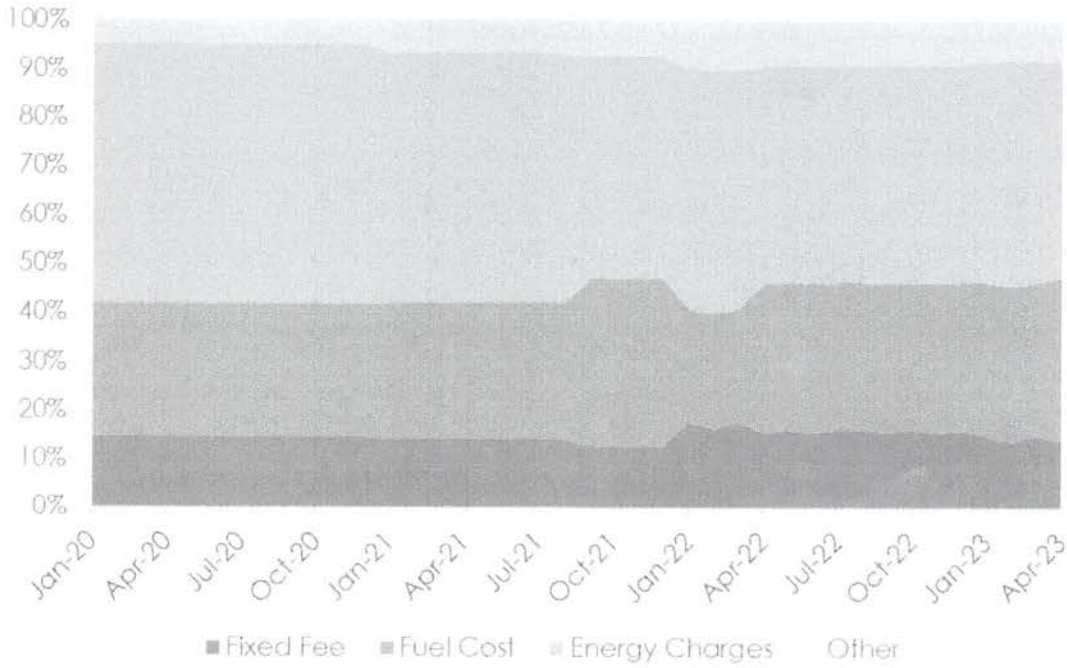
Figure 9. Monthly Fuel Charge on Average TECO Residential Customer Bill January 2020 – April 2023



Source: Southern Alliance for Clean Energy Analysis of TECO Rate Documents

The fuel portion of the average TECO residential bill has seen the largest absolute increase between January 2020 and April 2023 ($23), though because the other portion of the bill started small in 2020 it has seen the largest percentage increase (148%). The fuel portion increased 81% over that time period, whereas the fixed fee and energy portions increased 43% and 23% respectively. Overall, average monthly electric bills have increased from $104 to $153, meaning an average customer is paying $49 more per month or $588 more per year in 2023 than in 2020. Even as the overall average TECO electric bill has increased, the fuel portion of the bill has gone from 27% of the total bill in 2020 to 34% in April 2023, as seen in Figure 10.

Figure 10. Average Percent of TECO Residential Monthly Bill by Bill Component



Source: Southern Alliance for Clean Energy Analysis of TECO Rate Documents

The other portion of the bill has moved around as well. Starting in January 2022 the Storm Protection Plan rider increased from $0.00239/kWh to $0.00329/kWh and the Clean Energy Transition Mechanism was introduced at $0.00441/kWh. So, the other portion of the bill started at 5% of the total bill in 2020, increased to 10% of the bill in January 2022, and settled to 8% of the total bill in 2023.

FUTURE TRENDS IN FLORIDA

Revised Fuel Cost Recovery Factors for FPL, DEF, and TECO went into effect in April 2023, with the assumption that they would remain unchanged for the rest of 2023.[6] Most of these Fuel Cost Recovery Factors decreased slightly, except for TECO's, but remain much higher than they were in 2020. These latest Factors are based on the latest gas price forecasts. However, as we have seen over the past 3 years, gas price forecasts can be very wrong, so Fuel Cost Recovery Factors in Florida can still change in 2023 if actual gas prices do not track with current forecasts.

[6] A lower projected fuel rate was approved for FPL to begin on May 1, 2023. See Order No. PSC-2023-0122-PCO-EI.

EXHIBIT NO. 3

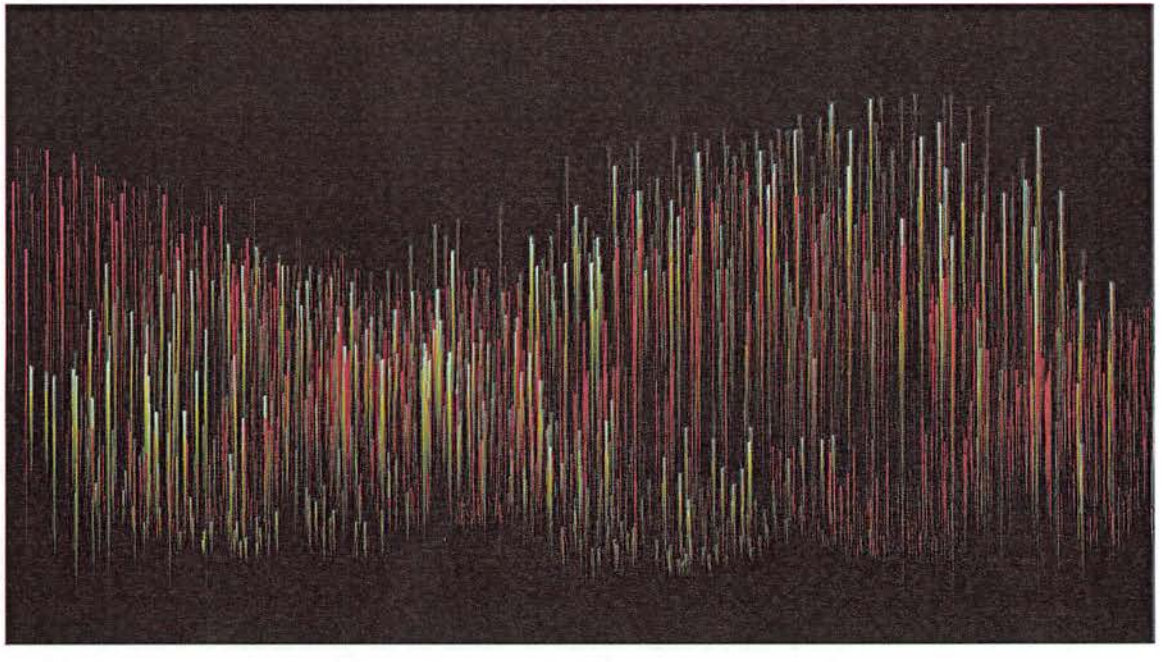
DOCKET NO: 20200181-EU

PARTY: League of United Latin American Citizens of Florida ("LULAC") & Environmental Confederation of Southwest Florida ("ECOSWF")

DESCRIPTION: Presentation for Rule Hearing

Florida Energy Efficiency and Conservation Act Rule Hearing

May 2, 2023

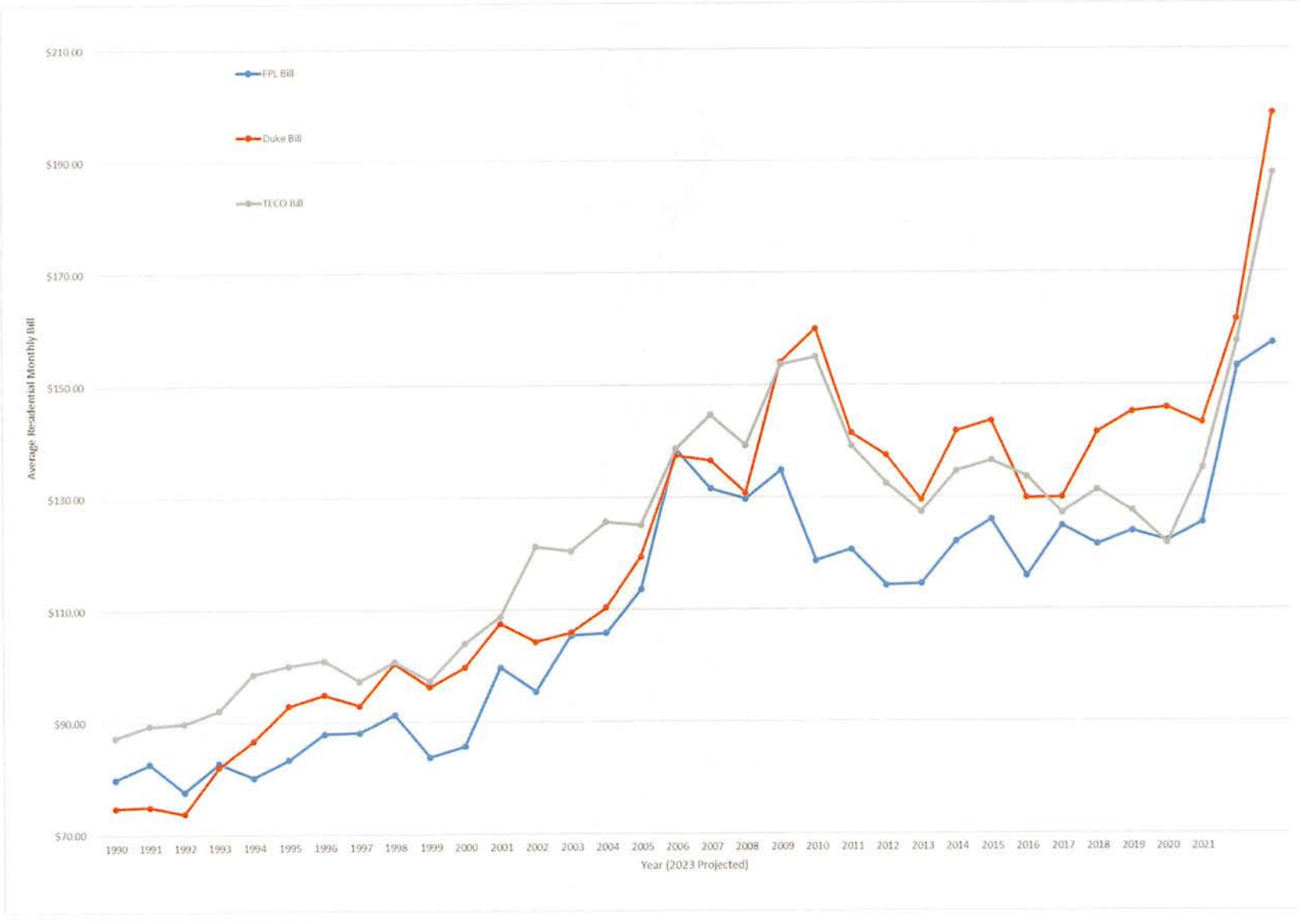


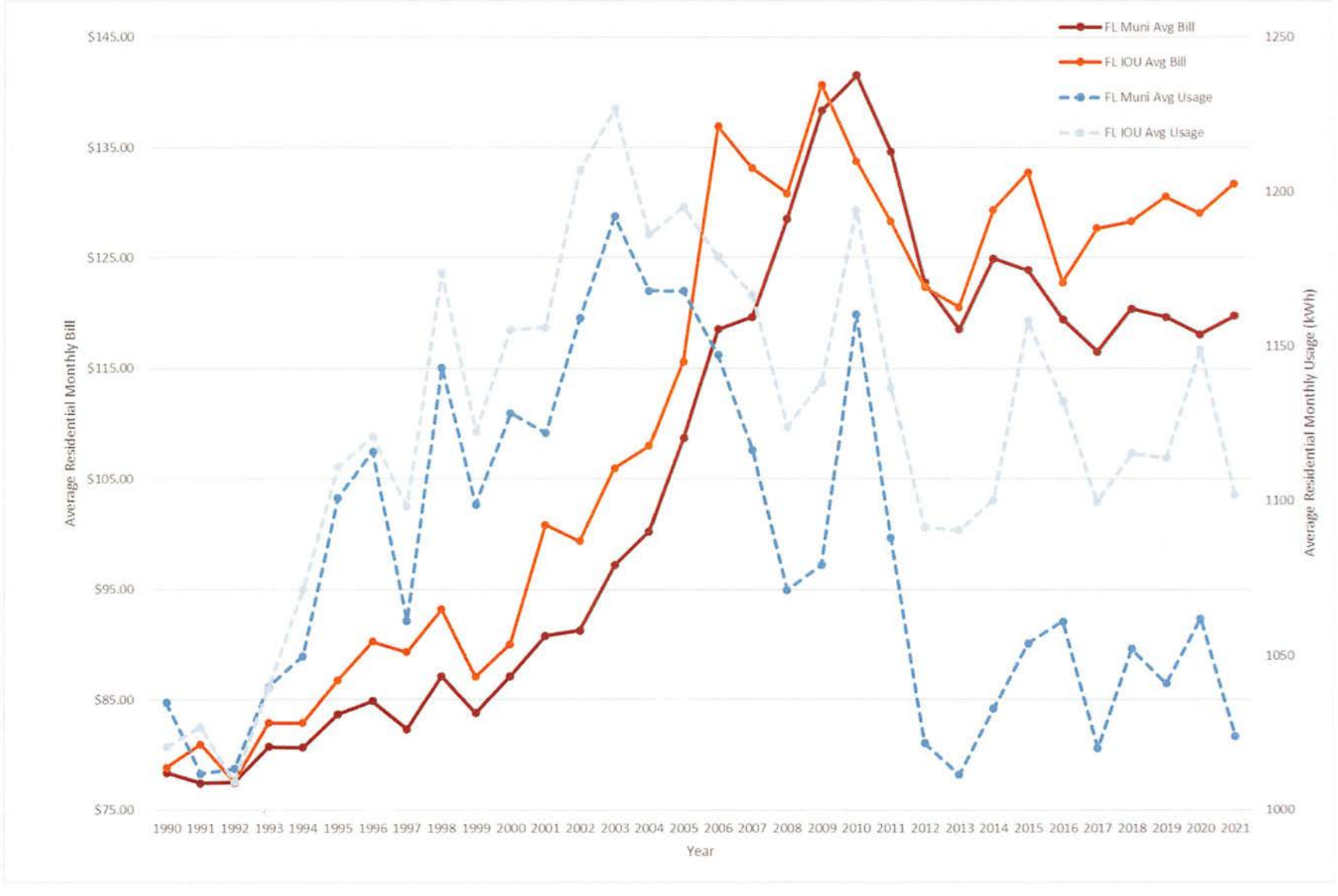
2021 Average Monthly Bill- Residential

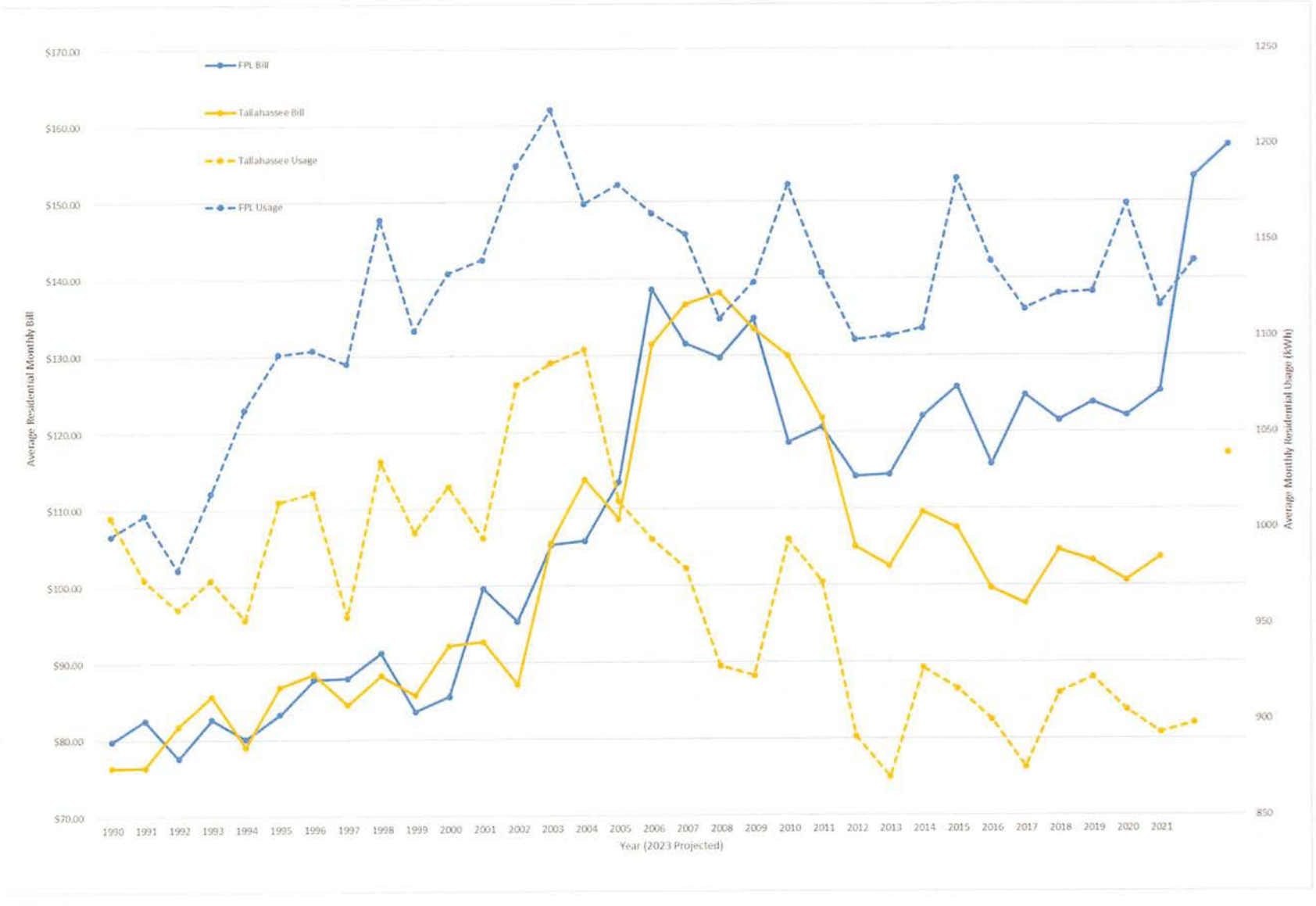
(Data from forms EIA-861- schedules 4A-D, EIA-861S and EIA-861U)

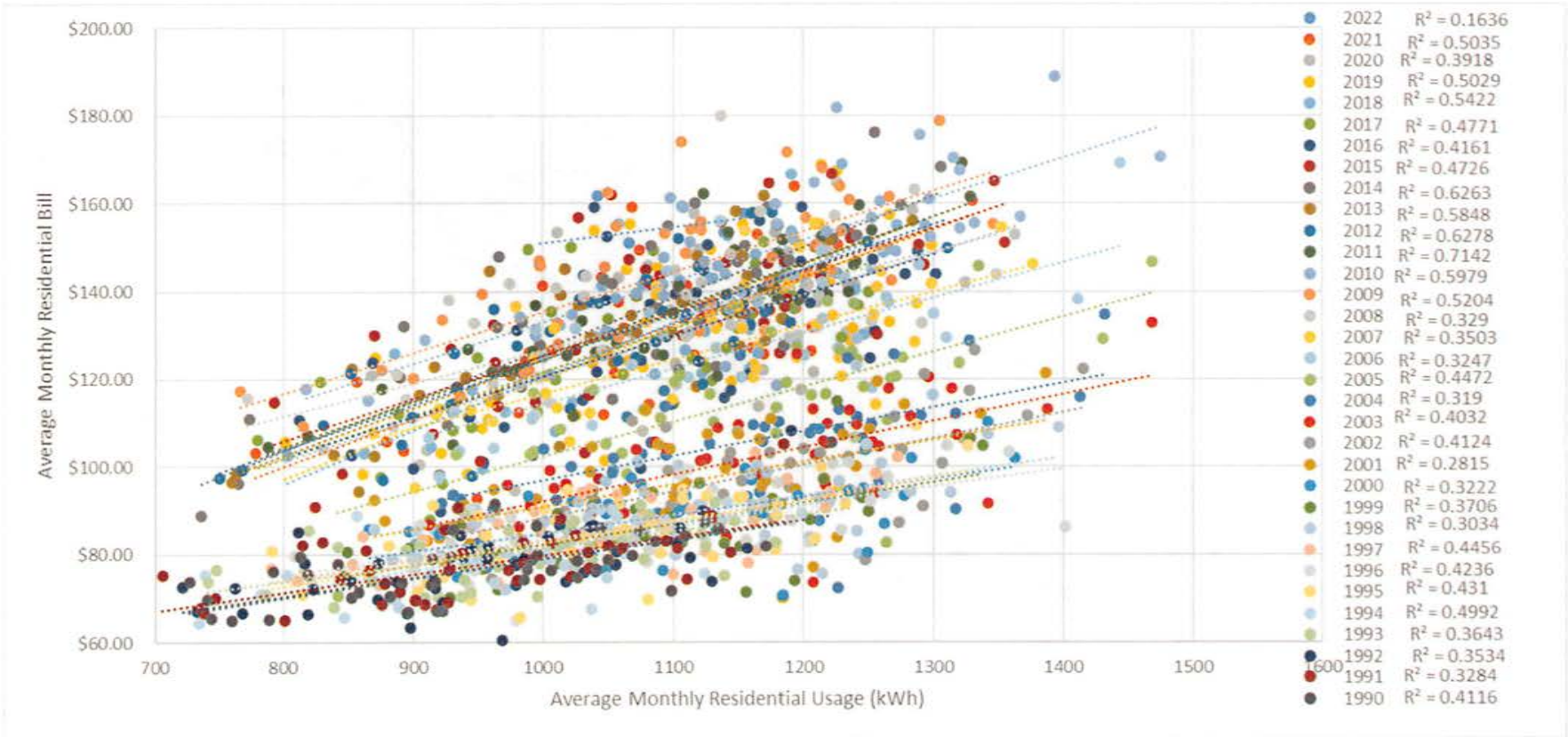
Rank	State	Number of Customers	Average Monthly Consumption (kWh)	Average Price (cents/kWh)	Average Monthly Bill (Dollar and cents)
1	Hawaii	443,535	531	33.49	177.78
2	Connecticut	1,530,251	713	21.91	156.21
3	Alabama	2,308,226	1,140	12.96	147.75
4	South Carolina	2,426,703	1,078	12.86	138.65
5	Massachusetts	2,840,311	596	22.89	136.37
6	Mississippi	1,321,576	1,171	11.56	135.31
7	Georgia	4,560,653	1,072	12.51	134.11
8	Alaska	292,451	594	22.55	133.89
9	Texas	11,815,251	1,094	12.11	132.40
10	Louisiana	2,126,155	1,192	11.02	131.37
11	Arizona	2,953,823	1,048	12.54	131.35
12	Tennessee	3,016,642	1,183	11.07	130.98
13	Virginia	3,551,532	1,094	11.96	130.92
14	Florida	9,917,113	1,096	11.90	130.40
15	Rhode Island	446,320	585	22.30	130.40
16	West Virginia	863,647	1,066	12.15	129.61
17	Maryland	2,395,954	973	13.12	127.62
18	Indiana	2,948,803	946	13.37	126.51
19	New Hampshire	638,267	631	19.85	125.24
20	Kentucky	2,032,575	1,084	11.50	124.67
21	South Dakota	412,657	1,019	12.22	124.50
22	Arkansas	1,436,246	1,098	11.27	123.69
23	California	13,883,994	542	22.82	123.67
24	North Carolina	4,774,592	1,063	11.32	120.38
25	Oklahoma	1,818,813	1,088	11.00	119.69

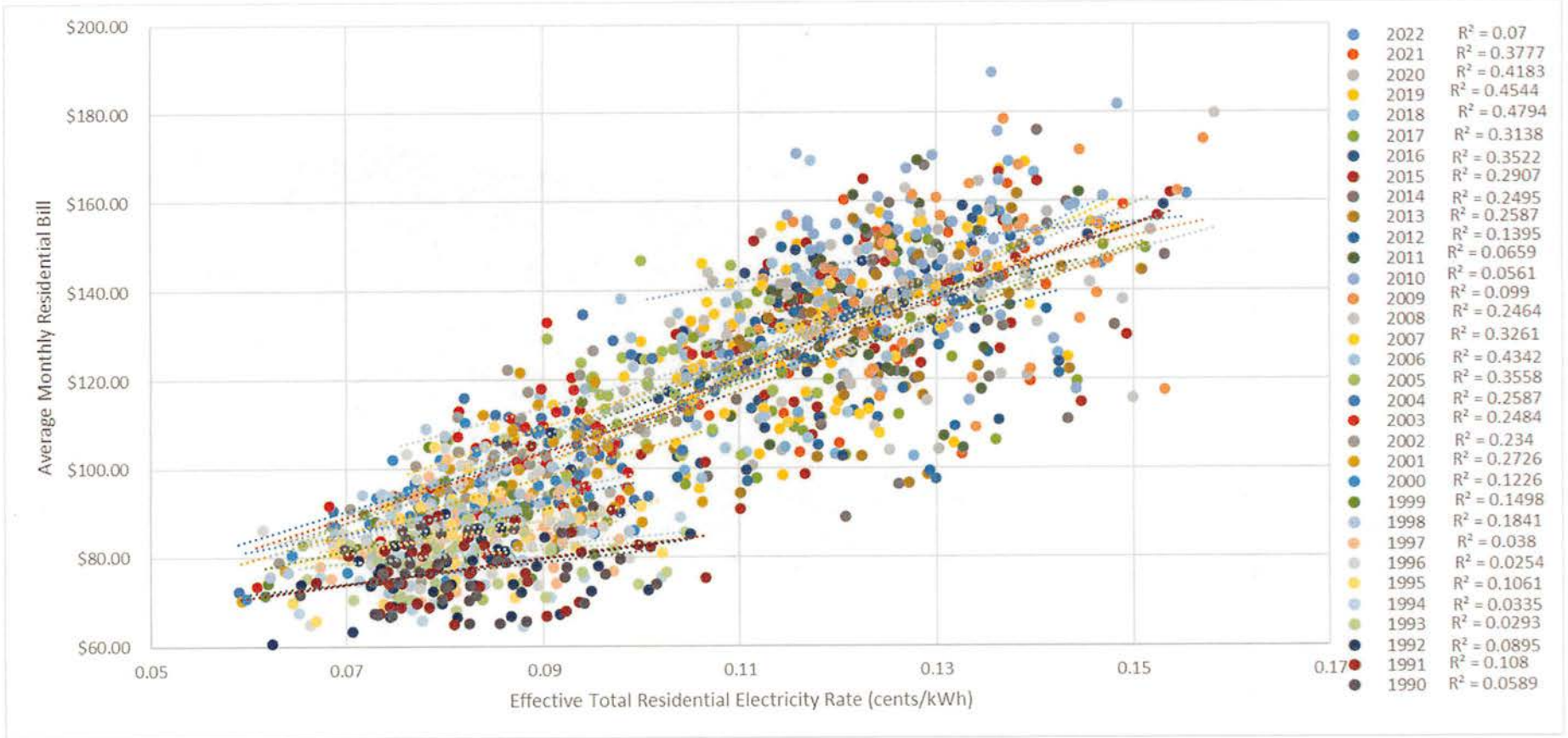
Rank	Year	State	Average Bills
1	2022	HI	$ 221.56
2	2022	CT	$ 176.24
3	2022	AL	$ 171.37
4	2022	TX	$ 159.29
5	2022	NH	$ 158.96
6	2022	LA	$ 156.64
7	2022	GA	$ 156.45
8	2022	SC	$ 156.05
9	2022	FL	$ 155.21
10	2022	MS	$ 152.34
11	2022	TN	$ 151.54
12	2022	MA	$ 150.99
13	2022	VA	$ 147.59
14	2022	IN	$ 145.75
15	2022	KY	$ 145.15
16	2022	OK	$ 144.23
17	2022	WV	$ 142.43
18	2022	CA	$ 142.25
19	2022	MD	$ 140.91
20	2022	AZ	$ 139.39
21	2022	PA	$ 137.70
22	2022	RI	$ 136.70
23	2022	MO	$ 134.74
24	2022	AK	$ 132.61
25	2022	AR	$ 132.32


$210.00
$190.00
$170.00
$150.00
$130.00
$110.00
$90.00
$70.00
FPL Bill
Duke Bill
TECO Bill
Average Readential Monthly Bill
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021
Year (2023 Projected)

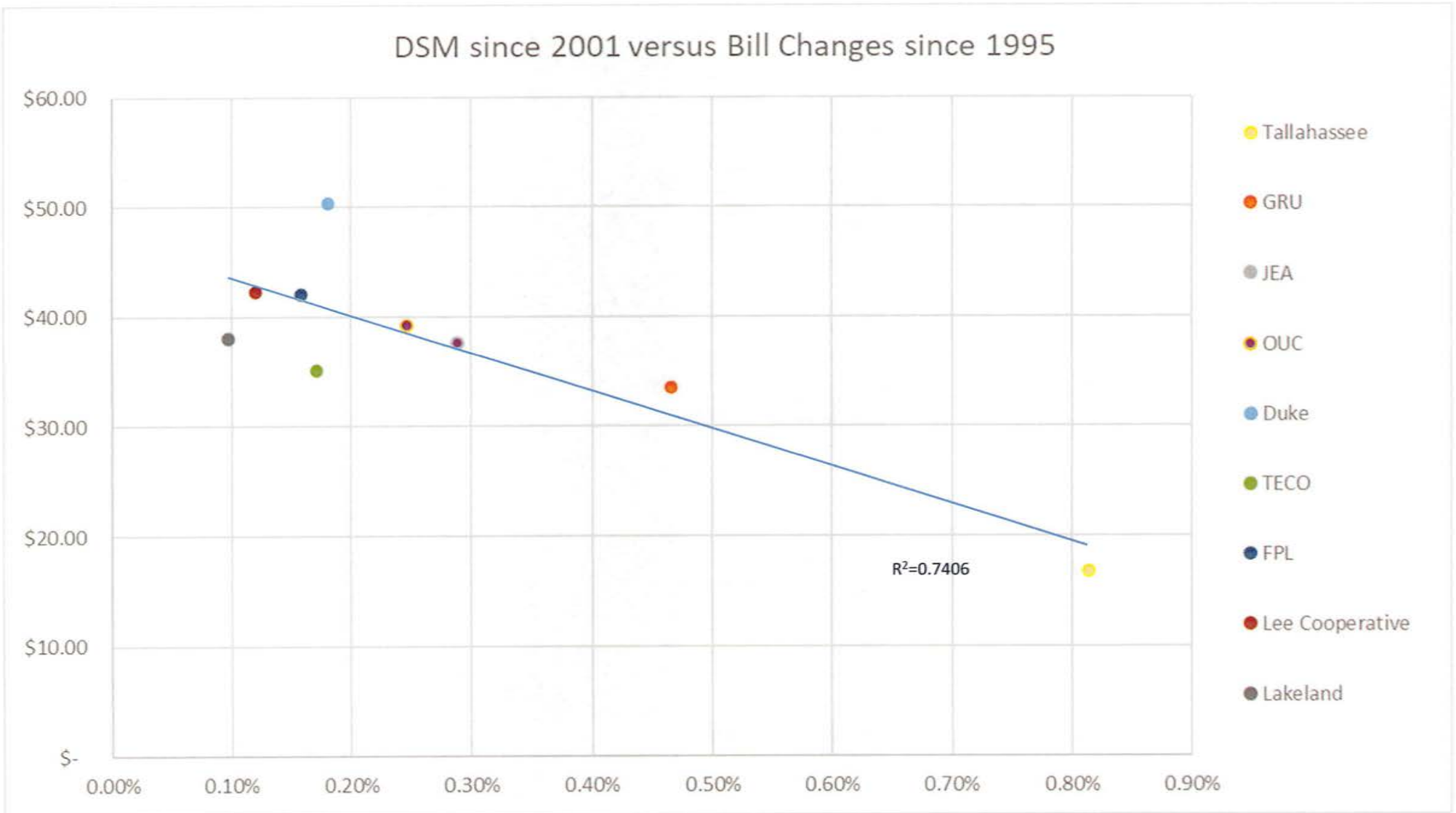

FL Muni Avg Bill
FL IOU Avg Bill
FL Muni Avg Usage
FL IOU Avg Usage
$145.00
$135.00
$125.00
$115.00
$105.00
$95.00
$85.00
$75.00
Average Residential Monthly Bill
1250
1200
1150
1100
1050
1000
Average Residential Monthly Usage (kWh)
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021
Year


FPL Bill
Tallahassee Bill
Tallahassee Usage
FPL Usage
Average Residential Monthly Bill
Average Monthly Residential Usage (kWh)
Year (2023 Projected)
$170.00
$160.00
$150.00
$140.00
$130.00
$120.00
$110.00
$100.00
$90.00
$80.00
$70.00
1250
1200
1150
1100
1050
1000
950
900
850
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021


$200.00
$180.00
$160.00
$140.00
$120.00
$100.00
$80.00
$60.00
Average Monthly Residential Bill
700
800
900
1000
1100
1200
1300
1400
1500
1600
Average Monthly Residential Usage (kWh)
2022 R² = 0.1636
2021 R² = 0.5035
2020 R² = 0.3918
2019 R² = 0.5029
2018 R² = 0.5422
2017 R² = 0.4771
2016 R² = 0.4161
2015 R² = 0.4726
2014 R² = 0.6263
2013 R² = 0.5848
2012 R² = 0.6278
2011 R² = 0.7142
2010 R² = 0.5979
2009 R² = 0.5204
2008 R² = 0.329
2007 R² = 0.3503
2006 R² = 0.3247
2005 R² = 0.4472
2004 R² = 0.319
2003 R² = 0.4032
2002 R² = 0.4124
2001 R² = 0.2815
2000 R² = 0.3222
1999 R² = 0.3706
1998 R² = 0.3034
1997 R² = 0.4456
1996 R² = 0.4236
1995 R² = 0.431
1994 R² = 0.4992
1993 R² = 0.3643
1992 R² = 0.3534
1991 R² = 0.3284
1990 R² = 0.4116


$200.00
$180.00
$160.00
$140.00
$120.00
$100.00
$80.00
$60.00
Average Monthly Residential Bill
0.05
0.07
0.09
0.11
0.13
0.15
0.17
Effective Total Residential Electricity Rate (cents/kWh)
2022 R² = 0.07
2021 R² = 0.3777
2020 R² = 0.4183
2019 R² = 0.4544
2018 R² = 0.4794
2017 R² = 0.3138
2016 R² = 0.3522
2015 R² = 0.2907
2014 R² = 0.2495
2013 R² = 0.2587
2012 R² = 0.1395
2011 R² = 0.0659
2010 R² = 0.0561
2009 R² = 0.099
2008 R² = 0.2464
2007 R² = 0.3261
2006 R² = 0.4342
2005 R² = 0.3558
2004 R² = 0.2587
2003 R² = 0.2484
2002 R² = 0.234
2001 R² = 0.2726
2000 R² = 0.1226
1999 R² = 0.1498
1998 R² = 0.1841
1997 R² = 0.038
1996 R² = 0.0254
1995 R² = 0.1061
1994 R² = 0.0335
1993 R² = 0.0293
1992 R² = 0.0895
1991 R² = 0.108
1990 R² = 0.0589

Year	R^2 Usage and Bills	R^2 Rates and Bills
2021	0.5035	0.3777
2020	0.3918	0.4183
2019	0.5029	0.4544
2018	0.5422	0.4794
2017	0.4771	0.3138
2016	0.4161	0.3522
2015	0.4726	0.2907
2014	0.6263	0.2495
2013	0.5848	0.2587
2012	0.6278	0.1395
2011	0.7142	0.0659
2010	0.5979	0.0561
2009	0.5204	0.099
2008	0.329	0.2464
2007	0.3503	0.3261
2006	0.3247	0.4342
2005	0.4472	0.3558
2004	0.319	0.2587
2003	0.4032	0.2484
2002	0.4124	0.234
2001	0.2815	0.2726
2000	0.3222	0.1226
1999	0.3706	0.1498
1998	0.3034	0.1841
1997	0.4456	0.038
1996	0.4236	0.0254
1995	0.431	0.1061
1994	0.4992	0.0335
1993	0.3643	0.0293
1992	0.3534	0.0895
1991	0.3284	0.108
1990	0.4116	0.0589

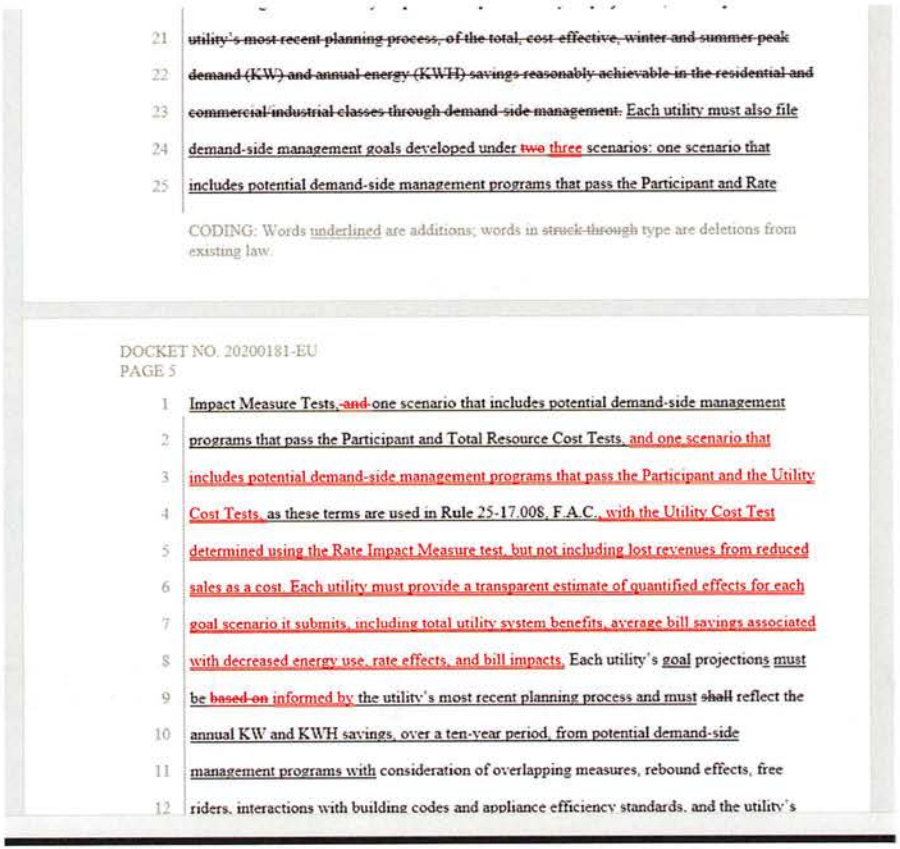

DSM since 2001 versus Bill Changes since 1995
$60.00
$50.00
$40.00
$30.00
$20.00
$10.00
$-
0.00%
0.10%
0.20%
0.30%
0.40%
0.50%
0.60%
0.70%
0.80%
0.90%
R²=0.7406
Tallahassee
GRU
JEA
OUC
Duke
TECO
FPL
Lee Cooperative
Lakeland

Redline Attachment 1 – Preferred Alternative

Attachment 1

Rule 25-17.0021, F.A.C. Proposed Revisions in Docket No. 20200181-EU by the League of United Latin American Citizens of Florida and the Environmental Confederation of Southwest Florida

Redline Attachment 2 – Keeps RIM



utility's most recent planning process, of the total, cost-effective, winter and summer peak demand (KW) and annual energy (KWH) savings reasonably achievable in the residential and commercial industrial classes through demand-side management. Each utility must also file demand-side management goals developed under two three scenarios: one scenario that includes potential demand-side management programs that pass the Participant and Rate

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from existing law.

DOCKET NO. 20200181-EU
PAGE 5

Impact Measure Tests, ~~and~~ one scenario that includes potential demand-side management programs that pass the Participant and Total Resource Cost Tests, and one scenario that includes potential demand-side management programs that pass the Participant and the Utility Cost Tests, as these terms are used in Rule 25-17.008, F.A.C., with the Utility Cost Test determined using the Rate Impact Measure test, but not including lost revenues from reduced sales as a cost. Each utility must provide a transparent estimate of quantified effects for each goal scenario it submits, including total utility system benefits, average bill savings associated with decreased energy use, rate effects, and bill impacts. Each utility's goal projections must be ~~based on~~ informed by the utility's most recent planning process and must ~~shall~~ reflect the annual KW and KWH savings, over a ten-year period, from potential demand-side management programs with consideration of overlapping measures, rebound effects, free riders, interactions with building codes and appliance efficiency standards, and the utility's

Redline Attachment 3 – Low-income Goal

(a) An assessment of the technical potential of available measures; ~~and~~

(b) aAn estimate of the total cost-effective KW ~~kilowatt~~ and KWH ~~kilowatt hour~~ savings reasonably achievable through demand-side management programs in each utility's service area over a ten-year period.; and

(c) Discrete KW and KWH savings for Low Income Customers provided through income qualified demand-side management programs in each utility's service area over a ten-year period. These savings goals shall be proportionate to the population of Low Income customers within the utility's service area. For the purposes of this Rule, the term "Low Income Customer" means households earning at or below two hundred percent (200%) of the Federal Poverty Level, as determined annually by the United States Department of Health and Human Services. "Income qualified" demand-side management programs are those programs which are designed to serve Low Income Customers.

(2) Pursuant to the schedule in an order establishing procedure in the proceeding to establish demand-side management goals, each utility must file a technical potential study. ~~The Commission shall set goals for each utility at least once every five years.~~ The technical potential study must be used to develop the proposed demand-side management goals, and it

CODING: Words underlined are additions; words in ~~struck through~~ type are deletions from

Redline Attachment 4 – Low-income Exemption

efficiency standards, and the utility's latest monitoring and evaluation of conservation programs and measures. In addition, for each potential demand-side management program identified in the proposed goals and in each scenario described above, each utility must provde overall estimated annual program costs over a ten-year period. Any program, or its measures, specifically designated for Low Income Customers shall be excepted from standard cost-effectiveness requirements and free ridership consideration. ~~Each utility's projections shall be based upon an assessment of, at a minimum, the following market segments and major end-use categories.~~

~~Residential Market Segment:~~

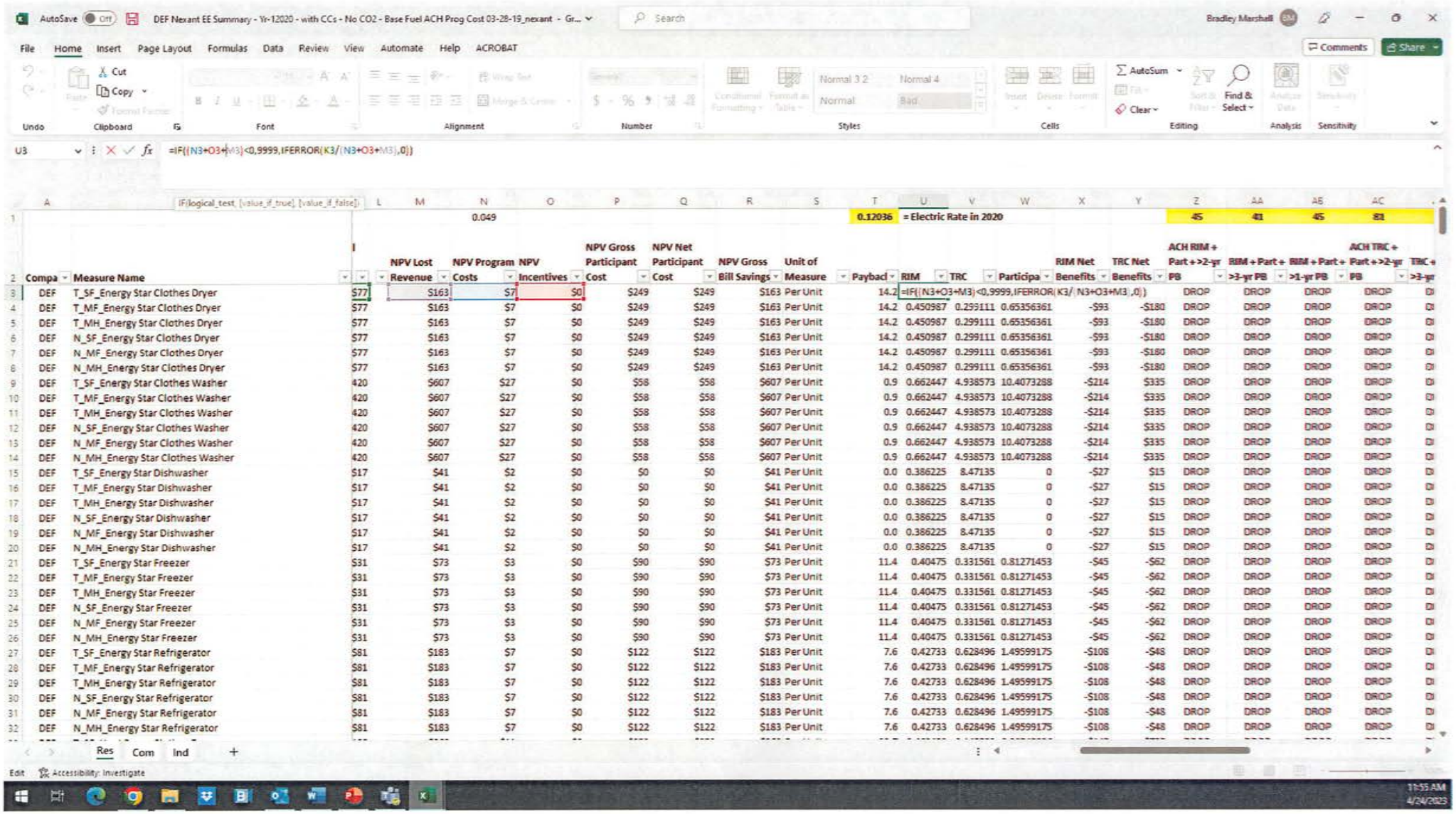
~~(Existing Homes and New Construction should be separately evaluated) Major End Use Category~~

Attachment 5 – 2-Year Payback

efficiency standards, and the utility's latest monitoring and evaluation of conservation programs and measures. In addition, for each potential demand-side management program identified in the proposed goals and in each scenario described above, each utility must provde overall estimated annual program costs over a ten-year period. Consideration of overlapping measures, rebound effects, free riders, interactions with building codes and appliance efficiency standards must be based on a transparent, evidence-based methodology that is consistent with industry standard practices, and must be accounted for within the utility's assumptions for naturally occurring energy efficiency adoption outside of utility-administered programs. Free ridership screening shall not be based on simple payback duration. ~~Each utility's projections shall be based upon an assessment of, at a minimum, the following market segments and major end-use categories.~~

Redline Attachment 6 – UCT Addition

~~demand (KW) and annual energy (KWH) savings reasonably achievable in the residential and commercial/industrial classes through demand-side management.~~ Each utility must also file demand-side management goals developed under ~~two~~ three scenarios: one scenario that includes potential demand-side management programs that pass the Participant and Rate Impact Measure Tests, ~~and~~ one scenario that includes potential demand-side management programs that pass the Participant and Total Resource Cost Tests, and one scenario that includes potential demand-side management programs that pass the Participant and the Utility Cost Tests, as these terms are used in Rule 25-17.008, F.A.C., with the Utility Cost Test determined using the Rate Impact Measure test, but not including lost revenues from reduced sales as a cost. Each utility's goal projections must be based on the utility's most recent planning process and must ~~shall~~ reflect the annual KW and KWH savings, over a ten-year period, from potential demand-side management programs with consideration of overlapping measures, rebound effects, free riders, interactions with building codes and appliance efficiency standards, and the utility's latest monitoring and evaluation of conservation programs and measures. In addition, for each potential demand-side management program identified in the proposed goals and in each scenario described above, each utility must provde overall estimated annual program costs over a ten-year period. ~~Each utility's projections shall be based upon an assessment of, at a minimum, the following market segments and major end-~~



AutoSave Off | DEF Nexant EE Summary - Yr-12020 - with CCs - No CO2 - Base Fuel ACH Prog Cost 03-28-19_nexant - Gr... | Search | Bradley Marshall

File Home Insert Page Layout Formulas Data Review View Automate Help ACROBAT | Comments | Share

Undo | Clipboard | Font | Alignment | Number | Styles | Cells | Editing | Analysis | Sensitivity

U3 =IF((N3+O3+M3)<0,9999,IFERROR(K3/(N3+O3+M3),0))

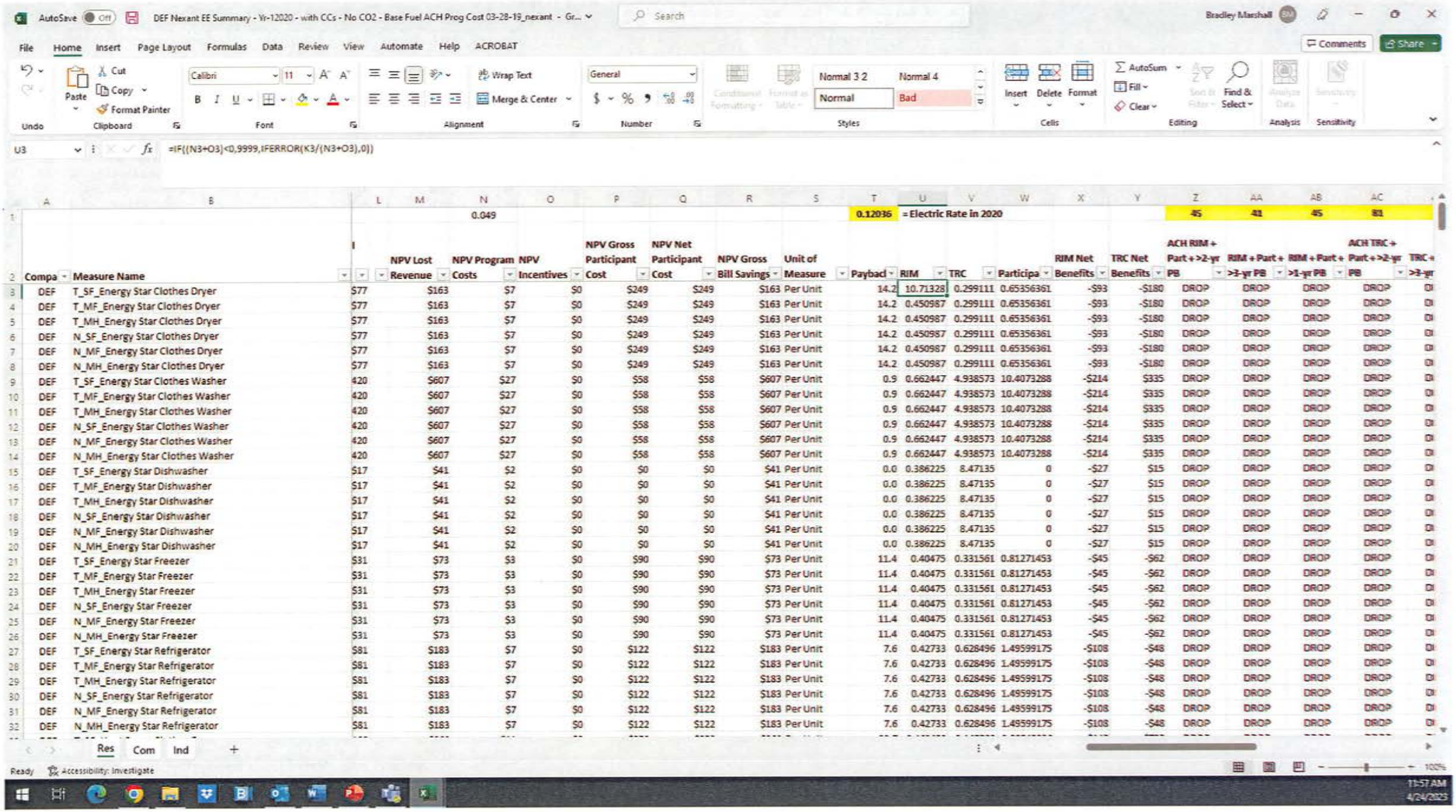
IF(logical_test, [value_if_true], [value_if_false])

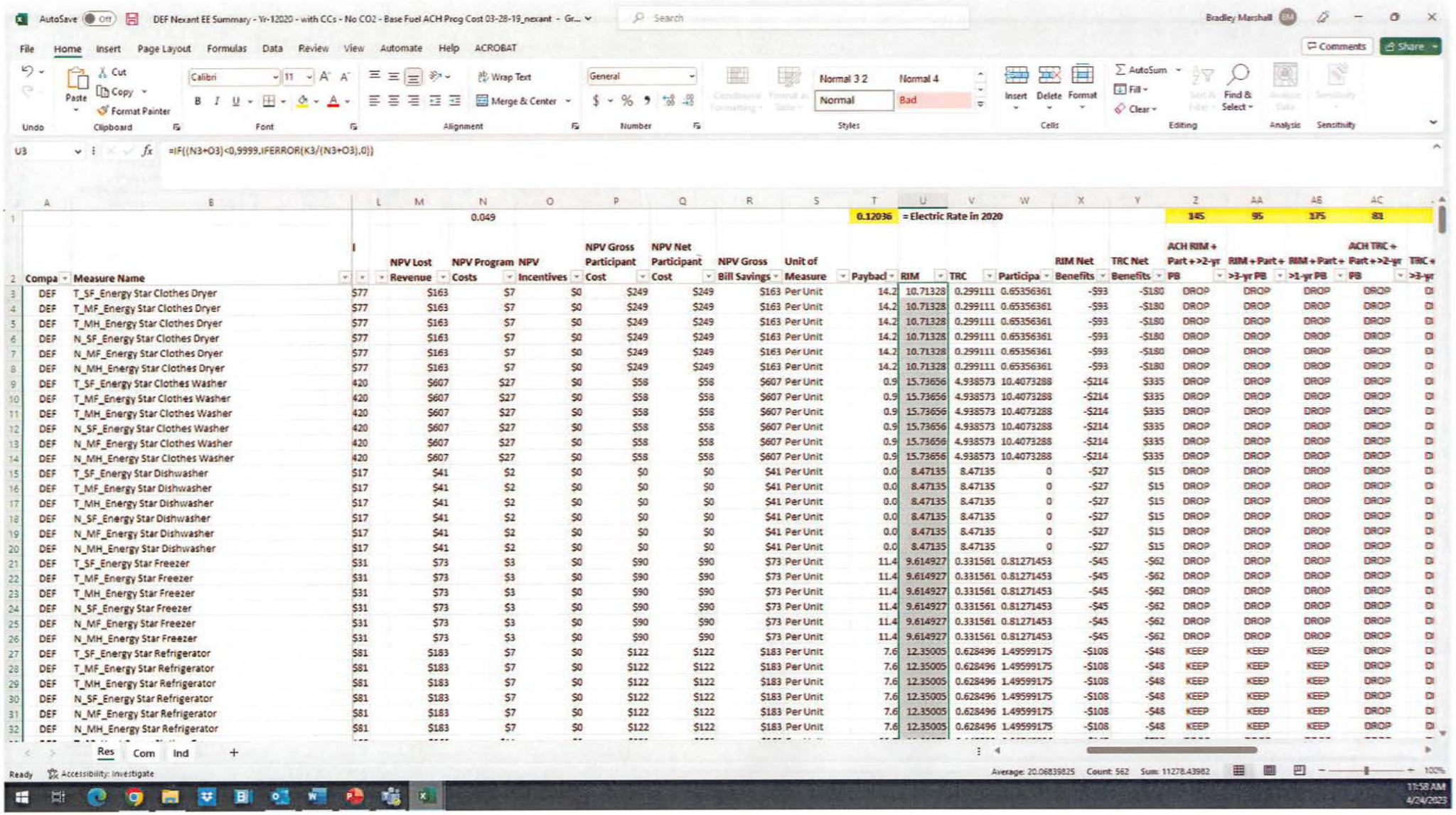
	A	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1				0.049						0.12036	= Electric Rate in 2020					45	41	45	81
2	Compa	Measure Name	I	NPV Lost Revenue	NPV Program Costs	NPV Incentives	NPV Gross Participant Cost	NPV Net Participant Cost	NPV Gross Bill Savings	Unit of Measure	Payback	RIM	TRC	Participa	RIM Net Benefits	TRC Net Benefits	ACH RIM + Part +>2-yr PB	RIM + Part + >3-yr PB	RIM + Part + >1-yr PB	ACH TRC + Part +>2-yr PB	TRC + >3-yr
3	DEF	T_SF_Energy Star Clothes Dryer	$77	$163	$7	$0	$249	$249	$163	Per Unit	14.2	=IF((N3+O3+M3)<0,9999,IFERROR(K3/(N3+O3+M3),0))					DROP	DROP	DROP	DROP	DI
4	DEF	T_MF_Energy Star Clothes Dryer	$77	$163	$7	$0	$249	$249	$163	Per Unit	14.2	0.450987	0.299111	0.65356361	-$93	-$180	DROP	DROP	DROP	DROP	DI
5	DEF	T_MH_Energy Star Clothes Dryer	$77	$163	$7	$0	$249	$249	$163	Per Unit	14.2	0.450987	0.299111	0.65356361	-$93	-$180	DROP	DROP	DROP	DROP	DI
6	DEF	N_SF_Energy Star Clothes Dryer	$77	$163	$7	$0	$249	$249	$163	Per Unit	14.2	0.450987	0.299111	0.65356361	-$93	-$180	DROP	DROP	DROP	DROP	DI
7	DEF	N_MF_Energy Star Clothes Dryer	$77	$163	$7	$0	$249	$249	$163	Per Unit	14.2	0.450987	0.299111	0.65356361	-$93	-$180	DROP	DROP	DROP	DROP	DI
8	DEF	N_MH_Energy Star Clothes Dryer	$77	$163	$7	$0	$249	$249	$163	Per Unit	14.2	0.450987	0.299111	0.65356361	-$93	-$180	DROP	DROP	DROP	DROP	DI
9	DEF	T_SF_Energy Star Clothes Washer	420	$607	$27	$0	$58	$58	$607	Per Unit	0.9	0.662447	4.938573	10.4073288	-$214	$335	DROP	DROP	DROP	DROP	DI
10	DEF	T_MF_Energy Star Clothes Washer	420	$607	$27	$0	$58	$58	$607	Per Unit	0.9	0.662447	4.938573	10.4073288	-$214	$335	DROP	DROP	DROP	DROP	DI
11	DEF	T_MH_Energy Star Clothes Washer	420	$607	$27	$0	$58	$58	$607	Per Unit	0.9	0.662447	4.938573	10.4073288	-$214	$335	DROP	DROP	DROP	DROP	DI
12	DEF	N_SF_Energy Star Clothes Washer	420	$607	$27	$0	$58	$58	$607	Per Unit	0.9	0.662447	4.938573	10.4073288	-$214	$335	DROP	DROP	DROP	DROP	DI
13	DEF	N_MF_Energy Star Clothes Washer	420	$607	$27	$0	$58	$58	$607	Per Unit	0.9	0.662447	4.938573	10.4073288	-$214	$335	DROP	DROP	DROP	DROP	DI
14	DEF	N_MH_Energy Star Clothes Washer	420	$607	$27	$0	$58	$58	$607	Per Unit	0.9	0.662447	4.938573	10.4073288	-$214	$335	DROP	DROP	DROP	DROP	DI
15	DEF	T_SF_Energy Star Dishwasher	$17	$41	$2	$0	$0	$0	$41	Per Unit	0.0	0.386225	8.47135	0	-$27	$15	DROP	DROP	DROP	DROP	DI
16	DEF	T_MF_Energy Star Dishwasher	$17	$41	$2	$0	$0	$0	$41	Per Unit	0.0	0.386225	8.47135	0	-$27	$15	DROP	DROP	DROP	DROP	DI
17	DEF	T_MH_Energy Star Dishwasher	$17	$41	$2	$0	$0	$0	$41	Per Unit	0.0	0.386225	8.47135	0	-$27	$15	DROP	DROP	DROP	DROP	DI
18	DEF	N_SF_Energy Star Dishwasher	$17	$41	$2	$0	$0	$0	$41	Per Unit	0.0	0.386225	8.47135	0	-$27	$15	DROP	DROP	DROP	DROP	DI
19	DEF	N_MF_Energy Star Dishwasher	$17	$41	$2	$0	$0	$0	$41	Per Unit	0.0	0.386225	8.47135	0	-$27	$15	DROP	DROP	DROP	DROP	DI
20	DEF	N_MH_Energy Star Dishwasher	$17	$41	$2	$0	$0	$0	$41	Per Unit	0.0	0.386225	8.47135	0	-$27	$15	DROP	DROP	DROP	DROP	DI
21	DEF	T_SF_Energy Star Freezer	$31	$73	$3	$0	$90	$90	$73	Per Unit	11.4	0.40475	0.331561	0.81271453	-$45	-$62	DROP	DROP	DROP	DROP	DI
22	DEF	T_MF_Energy Star Freezer	$31	$73	$3	$0	$90	$90	$73	Per Unit	11.4	0.40475	0.331561	0.81271453	-$45	-$62	DROP	DROP	DROP	DROP	DI
23	DEF	T_MH_Energy Star Freezer	$31	$73	$3	$0	$90	$90	$73	Per Unit	11.4	0.40475	0.331561	0.81271453	-$45	-$62	DROP	DROP	DROP	DROP	DI
24	DEF	N_SF_Energy Star Freezer	$31	$73	$3	$0	$90	$90	$73	Per Unit	11.4	0.40475	0.331561	0.81271453	-$45	-$62	DROP	DROP	DROP	DROP	DI
25	DEF	N_MF_Energy Star Freezer	$31	$73	$3	$0	$90	$90	$73	Per Unit	11.4	0.40475	0.331561	0.81271453	-$45	-$62	DROP	DROP	DROP	DROP	DI
26	DEF	N_MH_Energy Star Freezer	$31	$73	$3	$0	$90	$90	$73	Per Unit	11.4	0.40475	0.331561	0.81271453	-$45	-$62	DROP	DROP	DROP	DROP	DI
27	DEF	T_SF_Energy Star Refrigerator	$81	$183	$7	$0	$122	$122	$183	Per Unit	7.6	0.42733	0.628496	1.49599175	-$108	-$48	DROP	DROP	DROP	DROP	DI
28	DEF	T_MF_Energy Star Refrigerator	$81	$183	$7	$0	$122	$122	$183	Per Unit	7.6	0.42733	0.628496	1.49599175	-$108	-$48	DROP	DROP	DROP	DROP	DI
29	DEF	T_MH_Energy Star Refrigerator	$81	$183	$7	$0	$122	$122	$183	Per Unit	7.6	0.42733	0.628496	1.49599175	-$108	-$48	DROP	DROP	DROP	DROP	DI
30	DEF	N_SF_Energy Star Refrigerator	$81	$183	$7	$0	$122	$122	$183	Per Unit	7.6	0.42733	0.628496	1.49599175	-$108	-$48	DROP	DROP	DROP	DROP	DI
31	DEF	N_MF_Energy Star Refrigerator	$81	$183	$7	$0	$122	$122	$183	Per Unit	7.6	0.42733	0.628496	1.49599175	-$108	-$48	DROP	DROP	DROP	DROP	DI
32	DEF	N_MH_Energy Star Refrigerator	$81	$183	$7	$0	$122	$122	$183	Per Unit	7.6	0.42733	0.628496	1.49599175	-$108	-$48	DROP	DROP	DROP	DROP	DI

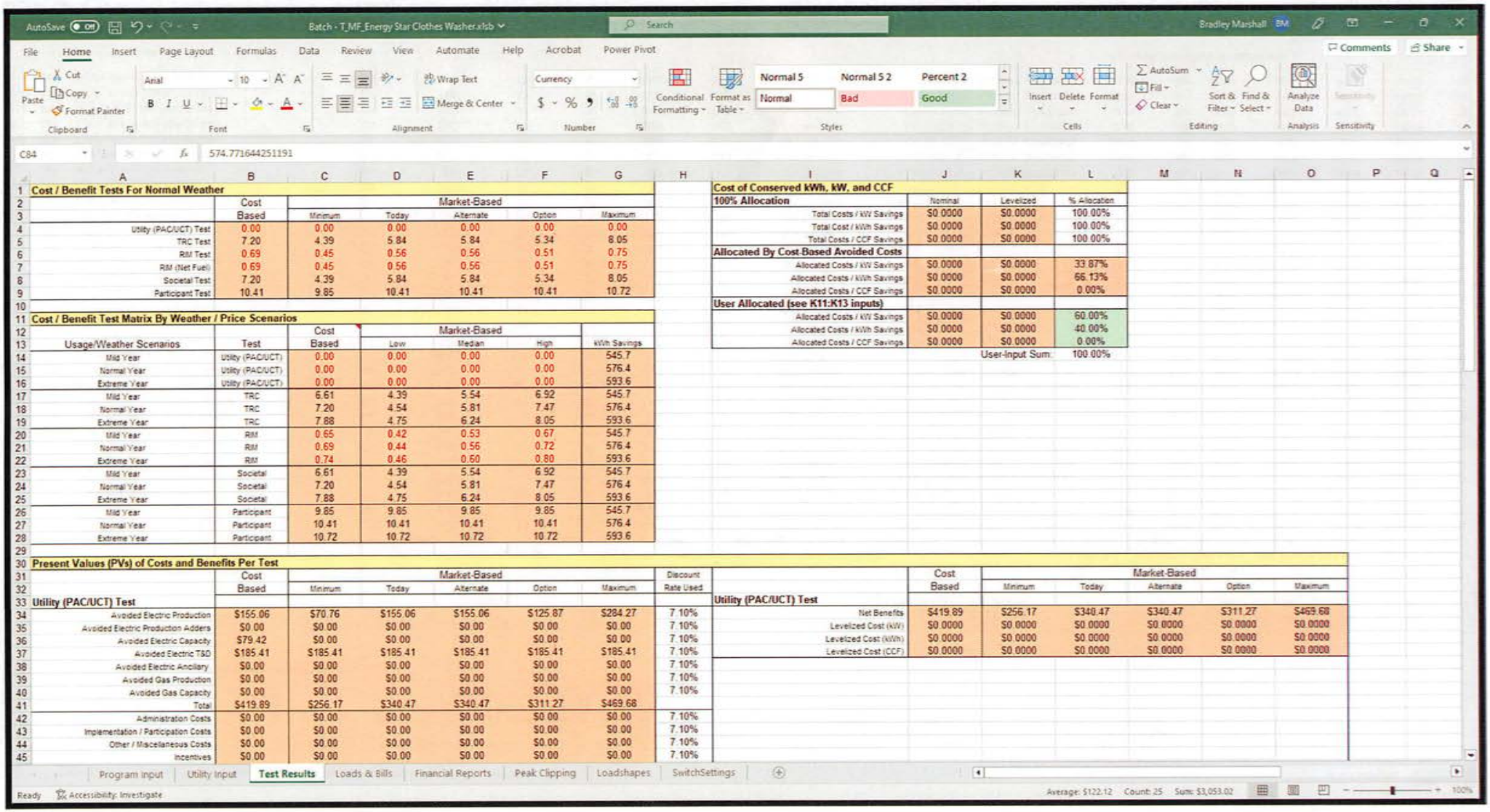
Res | Com | Ind | +

Edit | Accessibility: Investigate

11:55 AM 4/24/2023


AutoSave Off
DEF Nexant EE Summary - Yr-12020 - with CCs - No CO2 - Base Fuel ACH Prog Cost 03-28-19_nexant - Gr...
Search
Bradley Marshall
File Home Insert Page Layout Formulas Data Review View Automate Help ACROBAT
Comments Share
Cut Copy Format Painter Paste
Calibri 11
Wrap Text Merge & Center
General
Normal 3 2 Normal 4 Normal Bad
Insert Delete Format
AutoSum Fill Clear
Find & Select
Undo Clipboard Font Alignment Number Styles Cells Editing Analysis Sensitivity
U3
=IF((N3+O3)<0,9999,IFERROR(K3/(N3+O3),0))
0.049
0.12036 = Electric Rate in 2020
45 41 45 81
Compa Measure Name NPV Lost Revenue NPV Program Costs NPV Incentives NPV Gross Participant Cost NPV Net Participant Cost NPV Gross Bill Savings Unit of Measure Payback RIM TRC Participa RIM Net Benefits TRC Net Benefits ACH RIM + Part +>2-yr PB RIM + Part + >2-yr PB RIM + Part + >1-yr PB ACH TRC + Part +>2-yr PB TRC + >2-yr
DEF T_SF_Energy Star Clothes Dryer $77 $163 $7 $0 $249 $249 $163 Per Unit 14.2 10.71328 0.299111 0.65356361 -$93 -$180 DROP DROP DROP DROP DI
DEF T_MF_Energy Star Clothes Dryer $77 $163 $7 $0 $249 $249 $163 Per Unit 14.2 0.450987 0.299111 0.65356361 -$93 -$180 DROP DROP DROP DROP DI
DEF T_MH_Energy Star Clothes Dryer $77 $163 $7 $0 $249 $249 $163 Per Unit 14.2 0.450987 0.299111 0.65356361 -$93 -$180 DROP DROP DROP DROP DI
DEF N_SF_Energy Star Clothes Dryer $77 $163 $7 $0 $249 $249 $163 Per Unit 14.2 0.450987 0.299111 0.65356361 -$93 -$180 DROP DROP DROP DROP DI
DEF N_MF_Energy Star Clothes Dryer $77 $163 $7 $0 $249 $249 $163 Per Unit 14.2 0.450987 0.299111 0.65356361 -$93 -$180 DROP DROP DROP DROP DI
DEF N_MH_Energy Star Clothes Dryer $77 $163 $7 $0 $249 $249 $163 Per Unit 14.2 0.450987 0.299111 0.65356361 -$93 -$180 DROP DROP DROP DROP DI
DEF T_SF_Energy Star Clothes Washer 420 $607 $27 $0 $58 $58 $607 Per Unit 0.9 0.662447 4.938573 10.4073288 -$214 $335 DROP DROP DROP DROP DI
DEF T_MF_Energy Star Clothes Washer 420 $607 $27 $0 $58 $58 $607 Per Unit 0.9 0.662447 4.938573 10.4073288 -$214 $335 DROP DROP DROP DROP DI
DEF T_MH_Energy Star Clothes Washer 420 $607 $27 $0 $58 $58 $607 Per Unit 0.9 0.662447 4.938573 10.4073288 -$214 $335 DROP DROP DROP DROP DI
DEF N_SF_Energy Star Clothes Washer 420 $607 $27 $0 $58 $58 $607 Per Unit 0.9 0.662447 4.938573 10.4073288 -$214 $335 DROP DROP DROP DROP DI
DEF N_MF_Energy Star Clothes Washer 420 $607 $27 $0 $58 $58 $607 Per Unit 0.9 0.662447 4.938573 10.4073288 -$214 $335 DROP DROP DROP DROP DI
DEF N_MH_Energy Star Clothes Washer 420 $607 $27 $0 $58 $58 $607 Per Unit 0.9 0.662447 4.938573 10.4073288 -$214 $335 DROP DROP DROP DROP DI
DEF T_SF_Energy Star Dishwasher $17 $41 $2 $0 $0 $0 $41 Per Unit 0.0 0.386225 8.47135 0 -$27 $15 DROP DROP DROP DROP DI
DEF T_MF_Energy Star Dishwasher $17 $41 $2 $0 $0 $0 $41 Per Unit 0.0 0.386225 8.47135 0 -$27 $15 DROP DROP DROP DROP DI
DEF T_MH_Energy Star Dishwasher $17 $41 $2 $0 $0 $0 $41 Per Unit 0.0 0.386225 8.47135 0 -$27 $15 DROP DROP DROP DROP DI
DEF N_SF_Energy Star Dishwasher $17 $41 $2 $0 $0 $0 $41 Per Unit 0.0 0.386225 8.47135 0 -$27 $15 DROP DROP DROP DROP DI
DEF N_MF_Energy Star Dishwasher $17 $41 $2 $0 $0 $0 $41 Per Unit 0.0 0.386225 8.47135 0 -$27 $15 DROP DROP DROP DROP DI
DEF N_MH_Energy Star Dishwasher $17 $41 $2 $0 $0 $0 $41 Per Unit 0.0 0.386225 8.47135 0 -$27 $15 DROP DROP DROP DROP DI
DEF T_SF_Energy Star Freezer $31 $73 $3 $0 $90 $90 $73 Per Unit 11.4 0.40475 0.331561 0.81271453 -$45 -$62 DROP DROP DROP DROP DI
DEF T_MF_Energy Star Freezer $31 $73 $3 $0 $90 $90 $73 Per Unit 11.4 0.40475 0.331561 0.81271453 -$45 -$62 DROP DROP DROP DROP DI
DEF T_MH_Energy Star Freezer $31 $73 $3 $0 $90 $90 $73 Per Unit 11.4 0.40475 0.331561 0.81271453 -$45 -$62 DROP DROP DROP DROP DI
DEF N_SF_Energy Star Freezer $31 $73 $3 $0 $90 $90 $73 Per Unit 11.4 0.40475 0.331561 0.81271453 -$45 -$62 DROP DROP DROP DROP DI
DEF N_MF_Energy Star Freezer $31 $73 $3 $0 $90 $90 $73 Per Unit 11.4 0.40475 0.331561 0.81271453 -$45 -$62 DROP DROP DROP DROP DI
DEF N_MH_Energy Star Freezer $31 $73 $3 $0 $90 $90 $73 Per Unit 11.4 0.40475 0.331561 0.81271453 -$45 -$62 DROP DROP DROP DROP DI
DEF T_SF_Energy Star Refrigerator $81 $183 $7 $0 $122 $122 $183 Per Unit 7.6 0.42733 0.628496 1.49599175 -$108 -$48 DROP DROP DROP DROP DI
DEF T_MF_Energy Star Refrigerator $81 $183 $7 $0 $122 $122 $183 Per Unit 7.6 0.42733 0.628496 1.49599175 -$108 -$48 DROP DROP DROP DROP DI
DEF T_MH_Energy Star Refrigerator $81 $183 $7 $0 $122 $122 $183 Per Unit 7.6 0.42733 0.628496 1.49599175 -$108 -$48 DROP DROP DROP DROP DI
DEF N_SF_Energy Star Refrigerator $81 $183 $7 $0 $122 $122 $183 Per Unit 7.6 0.42733 0.628496 1.49599175 -$108 -$48 DROP DROP DROP DROP DI
DEF N_MF_Energy Star Refrigerator $81 $183 $7 $0 $122 $122 $183 Per Unit 7.6 0.42733 0.628496 1.49599175 -$108 -$48 DROP DROP DROP DROP DI
DEF N_MH_Energy Star Refrigerator $81 $183 $7 $0 $122 $122 $183 Per Unit 7.6 0.42733 0.628496 1.49599175 -$108 -$48 DROP DROP DROP DROP DI
Res Com Ind
Ready Accessibility: Investigate
11:57 AM 4/24/2023


AutoSave Off
DEF Nexant EE Summary - Yr-12020 - with CCs - No CO2 - Base Fuel ACH Prog Cost 03-28-19_nexant - Gr...
Search
Bradley Marshall
File Home Insert Page Layout Formulas Data Review View Automate Help ACROBAT
Comments Share
Cut Copy Format Painter Paste
Calibri 11
Wrap Text Merge & Center
General
Normal 3 2 Normal 4 Normal Bad
Insert Delete Format
AutoSum Fill Clear
Find & Select
Undo Clipboard Font Alignment Number Styles Cells Editing Analysis Sensitivity
U3
=IF((N3+O3)<0,9999,IFERROR(K3/(N3+O3),0))
0.049
0.12036 = Electric Rate in 2020
145 95 175 81
Compa Measure Name I NPV Lost Revenue NPV Program Costs NPV Incentives NPV Gross Participant Cost NPV Net Participant Cost NPV Gross Bill Savings Unit of Measure Payback RIM TRC Participa RIM Net Benefits TRC Net Benefits ACH RIM + Part +>2-yr PB RIM + Part + >3-yr PB RIM + Part + >1-yr PB ACH TRC + Part +>2-yr PB TRC + >3-yr
DEF T_SF_Energy Star Clothes Dryer $77 $163 $7 $0 $249 $249 $163 Per Unit 14.2 10.71328 0.299111 0.65356361 -$93 -$180 DROP DROP DROP DROP DI
DEF T_MF_Energy Star Clothes Dryer $77 $163 $7 $0 $249 $249 $163 Per Unit 14.2 10.71328 0.299111 0.65356361 -$93 -$180 DROP DROP DROP DROP DI
DEF T_MH_Energy Star Clothes Dryer $77 $163 $7 $0 $249 $249 $163 Per Unit 14.2 10.71328 0.299111 0.65356361 -$93 -$180 DROP DROP DROP DROP DI
DEF N_SF_Energy Star Clothes Dryer $77 $163 $7 $0 $249 $249 $163 Per Unit 14.2 10.71328 0.299111 0.65356361 -$93 -$180 DROP DROP DROP DROP DI
DEF N_MF_Energy Star Clothes Dryer $77 $163 $7 $0 $249 $249 $163 Per Unit 14.2 10.71328 0.299111 0.65356361 -$93 -$180 DROP DROP DROP DROP DI
DEF N_MH_Energy Star Clothes Dryer $77 $163 $7 $0 $249 $249 $163 Per Unit 14.2 10.71328 0.299111 0.65356361 -$93 -$180 DROP DROP DROP DROP DI
DEF T_SF_Energy Star Clothes Washer 420 $607 $27 $0 $58 $58 $607 Per Unit 0.9 15.73656 4.938573 10.4073288 -$214 $335 DROP DROP DROP DROP DI
DEF T_MF_Energy Star Clothes Washer 420 $607 $27 $0 $58 $58 $607 Per Unit 0.9 15.73656 4.938573 10.4073288 -$214 $335 DROP DROP DROP DROP DI
DEF T_MH_Energy Star Clothes Washer 420 $607 $27 $0 $58 $58 $607 Per Unit 0.9 15.73656 4.938573 10.4073288 -$214 $335 DROP DROP DROP DROP DI
DEF N_SF_Energy Star Clothes Washer 420 $607 $27 $0 $58 $58 $607 Per Unit 0.9 15.73656 4.938573 10.4073288 -$214 $335 DROP DROP DROP DROP DI
DEF N_MF_Energy Star Clothes Washer 420 $607 $27 $0 $58 $58 $607 Per Unit 0.9 15.73656 4.938573 10.4073288 -$214 $335 DROP DROP DROP DROP DI
DEF N_MH_Energy Star Clothes Washer 420 $607 $27 $0 $58 $58 $607 Per Unit 0.9 15.73656 4.938573 10.4073288 -$214 $335 DROP DROP DROP DROP DI
DEF T_SF_Energy Star Dishwasher $17 $41 $2 $0 $0 $0 $41 Per Unit 0.0 8.47135 8.47135 0 -$27 $15 DROP DROP DROP DROP DI
DEF T_MF_Energy Star Dishwasher $17 $41 $2 $0 $0 $0 $41 Per Unit 0.0 8.47135 8.47135 0 -$27 $15 DROP DROP DROP DROP DI
DEF T_MH_Energy Star Dishwasher $17 $41 $2 $0 $0 $0 $41 Per Unit 0.0 8.47135 8.47135 0 -$27 $15 DROP DROP DROP DROP DI
DEF N_SF_Energy Star Dishwasher $17 $41 $2 $0 $0 $0 $41 Per Unit 0.0 8.47135 8.47135 0 -$27 $15 DROP DROP DROP DROP DI
DEF N_MF_Energy Star Dishwasher $17 $41 $2 $0 $0 $0 $41 Per Unit 0.0 8.47135 8.47135 0 -$27 $15 DROP DROP DROP DROP DI
DEF N_MH_Energy Star Dishwasher $17 $41 $2 $0 $0 $0 $41 Per Unit 0.0 8.47135 8.47135 0 -$27 $15 DROP DROP DROP DROP DI
DEF T_SF_Energy Star Freezer $31 $73 $3 $0 $90 $90 $73 Per Unit 11.4 9.614927 0.331561 0.81271453 -$45 -$62 DROP DROP DROP DROP DI
DEF T_MF_Energy Star Freezer $31 $73 $3 $0 $90 $90 $73 Per Unit 11.4 9.614927 0.331561 0.81271453 -$45 -$62 DROP DROP DROP DROP DI
DEF T_MH_Energy Star Freezer $31 $73 $3 $0 $90 $90 $73 Per Unit 11.4 9.614927 0.331561 0.81271453 -$45 -$62 DROP DROP DROP DROP DI
DEF N_SF_Energy Star Freezer $31 $73 $3 $0 $90 $90 $73 Per Unit 11.4 9.614927 0.331561 0.81271453 -$45 -$62 DROP DROP DROP DROP DI
DEF N_MF_Energy Star Freezer $31 $73 $3 $0 $90 $90 $73 Per Unit 11.4 9.614927 0.331561 0.81271453 -$45 -$62 DROP DROP DROP DROP DI
DEF N_MH_Energy Star Freezer $31 $73 $3 $0 $90 $90 $73 Per Unit 11.4 9.614927 0.331561 0.81271453 -$45 -$62 DROP DROP DROP DROP DI
DEF T_SF_Energy Star Refrigerator $81 $183 $7 $0 $122 $122 $183 Per Unit 7.6 12.35005 0.628496 1.49599175 -$108 -$48 KEEP KEEP KEEP DROP DI
DEF T_MF_Energy Star Refrigerator $81 $183 $7 $0 $122 $122 $183 Per Unit 7.6 12.35005 0.628496 1.49599175 -$108 -$48 KEEP KEEP KEEP DROP DI
DEF T_MH_Energy Star Refrigerator $81 $183 $7 $0 $122 $122 $183 Per Unit 7.6 12.35005 0.628496 1.49599175 -$108 -$48 KEEP KEEP KEEP DROP DI
DEF N_SF_Energy Star Refrigerator $81 $183 $7 $0 $122 $122 $183 Per Unit 7.6 12.35005 0.628496 1.49599175 -$108 -$48 KEEP KEEP KEEP DROP DI
DEF N_MF_Energy Star Refrigerator $81 $183 $7 $0 $122 $122 $183 Per Unit 7.6 12.35005 0.628496 1.49599175 -$108 -$48 KEEP KEEP KEEP DROP DI
DEF N_MH_Energy Star Refrigerator $81 $183 $7 $0 $122 $122 $183 Per Unit 7.6 12.35005 0.628496 1.49599175 -$108 -$48 KEEP KEEP KEEP DROP DI
Res Com Ind
Ready Accessibility: Investigate
Average: 20.06839825 Count: 562 Sum: 11278.43982
11:58 AM 4/24/2023



AutoSave | Batch - T_MF_Energy Star Clothes Washer.xlsb | Search | Bradley Marshall

File Home Insert Page Layout Formulas Data Review View Automate Help Acrobat Power Pivot | Comments | Share

Cut Copy Format Painter | Paste | Arial 10 | Wrap Text | Merge & Center | Currency | Conditional Formatting | Format as Table | Normal 5 | Normal 5 2 | Percent 2 | Normal | Bad | Good | Insert | Delete | Format | AutoSum | Fill | Clear | Sort & Filter | Find & Select | Analyze Data | Sensitivity

Clipboard | Font | Alignment | Number | Styles | Cells | Editing | Analysis | Sensitivity

C84 574.771644251191

Cost / Benefit Tests For Normal Weather

	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test	0.00	0.00	0.00	0.00	0.00	0.00
TRC Test	7.20	4.39	5.84	5.84	5.34	8.05
RIM Test	0.69	0.45	0.56	0.56	0.51	0.75
RIM (Net Fuel)	0.69	0.45	0.56	0.56	0.51	0.75
Societal Test	7.20	4.39	5.84	5.84	5.34	8.05
Participant Test	10.41	9.85	10.41	10.41	10.41	10.72

Cost / Benefit Test Matrix By Weather / Price Scenarios

Usage/Weather Scenarios	Test	Cost Based	Market-Based			kWh Savings
			Low	Median	High	
Mild Year	Utility (PAC/UCT)	0.00	0.00	0.00	0.00	545.7
Normal Year	Utility (PAC/UCT)	0.00	0.00	0.00	0.00	576.4
Extreme Year	Utility (PAC/UCT)	0.00	0.00	0.00	0.00	593.6
Mild Year	TRC	6.61	4.39	5.54	6.92	545.7
Normal Year	TRC	7.20	4.54	5.81	7.47	576.4
Extreme Year	TRC	7.88	4.75	6.24	8.05	593.6
Mild Year	RIM	0.65	0.42	0.53	0.67	545.7
Normal Year	RIM	0.69	0.44	0.56	0.72	576.4
Extreme Year	RIM	0.74	0.46	0.60	0.80	593.6
Mild Year	Societal	6.61	4.39	5.54	6.92	545.7
Normal Year	Societal	7.20	4.54	5.81	7.47	576.4
Extreme Year	Societal	7.88	4.75	6.24	8.05	593.6
Mild Year	Participant	9.85	9.85	9.85	9.85	545.7
Normal Year	Participant	10.41	10.41	10.41	10.41	576.4
Extreme Year	Participant	10.72	10.72	10.72	10.72	593.6

Present Values (PVs) of Costs and Benefits Per Test

Utility (PAC/UCT) Test	Cost Based	Market-Based					Discount Rate Used
		Minimum	Today	Alternate	Option	Maximum	
Avoided Electric Production	$155.06	$70.76	$155.06	$155.06	$125.87	$284.27	7.10%
Avoided Electric Production Adders	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	7.10%
Avoided Electric Capacity	$79.42	$0.00	$0.00	$0.00	$0.00	$0.00	7.10%
Avoided Electric T&D	$185.41	$185.41	$185.41	$185.41	$185.41	$185.41	7.10%
Avoided Electric Ancillary	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	7.10%
Avoided Gas Production	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	7.10%
Avoided Gas Capacity	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	7.10%
Total	$419.89	$256.17	$340.47	$340.47	$311.27	$469.68	
Administration Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	7.10%
Implementation / Participation Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	7.10%
Other / Miscellaneous Costs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	7.10%
Incentives	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	7.10%

Cost of Conserved kWh, kW, and CCF

100% Allocation	Nominal	Levelized	% Allocation
Total Costs / kW Savings	$0.0000	$0.0000	100.00%
Total Cost / kWh Savings	$0.0000	$0.0000	100.00%
Total Costs / CCF Savings	$0.0000	$0.0000	100.00%
Allocated By Cost-Based Avoided Costs			
Allocated Costs / kW Savings	$0.0000	$0.0000	33.87%
Allocated Costs / kWh Savings	$0.0000	$0.0000	66.13%
Allocated Costs / CCF Savings	$0.0000	$0.0000	0.00%
User Allocated (see K11:K13 inputs)			
Allocated Costs / kW Savings	$0.0000	$0.0000	60.00%
Allocated Costs / kWh Savings	$0.0000	$0.0000	40.00%
Allocated Costs / CCF Savings	$0.0000	$0.0000	0.00%
		User-Input Sum:	100.00%

Utility (PAC/UCT) Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Net Benefits	$419.89	$256.17	$340.47	$340.47	$311.27	$469.68
Levelized Cost (kW)	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Levelized Cost (kWh)	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000
Levelized Cost (CCF)	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000	$0.0000

Program Input | Utility Input | Test Results | Loads & Bills | Financial Reports | Peak Clipping | Loadshapes | SwitchSettings

Ready | Accessibility: Investigate | Average: $122.12 | Count: 25 | Sum: $3,053.02 | 100%

Test	RIM + Part + 2-Yr PB	UCT + Part + 2-Yr PB	UCT + Part
Number of Passing Measure Permutations	45	145	247

Test	RIM + Part	TRC + Part + 2-Yr PB	TRC + Part
Number of Passing Measure Permutations	45	81	177

EXHIBIT NO. 4

DOCKET NO: 20200181-EU

PARTY: League of United Latin American Citizens of Florida ("LULAC") & Environmental Confederation of Southwest Florida ("ECOSWF")

DESCRIPTION: Florida Utility Rate, Usage, and Bill Data 1990-2021 (2022 for IOUs & JEA)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Utility Name	Ownership Type	1990 Bills	1990 Usage	1990 Rate	1991 Bills	1991 Usage	1991 Rates	1992 Bills	1992 Usage	1992 Rate	1993 Bills	1993 Usage	1993 Rate
2	Alachua City of	Municipal	$ 78.65	991.37	0.07934	$ 82.68	984.25	0.08400	$ 84.11	1,004.19	0.08376	$ 87.10	1,022.05	0.08522
3	Bartow City of	Municipal	$ 83.03	1,086.39	0.07643	$ 81.45	1,102.79	0.07386	$ 79.30	1,112.77	0.07127	$ 84.93	1,109.37	0.07656
4	Central Florida Elec Coop Inc	Cooperative	$ 65.59	743.54	0.08821	$ 66.67	738.18	0.09031	$ 66.60	768.18	0.08670	$ 70.94	786.29	0.09022
5	Choctawhatche Elec Coop Inc	Cooperative	$ 74.28	985.48	0.07538	$ 74.15	997.30	0.07435	$ 75.87	1,031.37	0.07356	$ 78.79	1,037.58	0.07594
6	Clay Electric Coop Inc	Cooperative	$ 86.56	995.16	0.08698	$ 88.27	1,013.29	0.08711	$ 86.43	1,036.53	0.08338	$ 91.38	1,074.42	0.08505
7	Clewiston City of	Municipal	$ 85.96	1,134.99	0.07574	$ 88.53	1,130.00	0.07834	$ 86.10	1,104.41	0.07796	$ 84.78	1,121.49	0.07560
8	Escambia River Elec Coop Inc	Cooperative	$ 84.29	1,108.52	0.07604	$ 83.08	1,094.24	0.07592	$ 82.65	1,102.18	0.07498	$ 87.83	1,147.64	0.07653
9	Florida Keys El Coop Assn Inc	Cooperative	$ 66.84	896.08	0.07459	$ 67.38	917.87	0.07341	$ 63.37	897.52	0.07060	$ 70.42	995.71	0.07073
10	Florida Power & Light Co	Investor-Owned	$ 79.82	996.24	0.08012	$ 82.57	1,006.96	0.08200	$ 77.63	978.72	0.07932	$ 82.66	1,018.65	0.08114
11	Duke Energy/FPC/Progress	Investor-Owned	$ 74.66	1,026.61	0.07272	$ 74.91	1,021.45	0.07334	$ 73.71	1,017.85	0.07241	$ 81.94	1,035.04	0.07917
12	Florida Public Utilities Co	Investor-Owned	$ 76.69	1,041.00	0.07367	$ 76.84	1,035.70	0.07419	$ 76.25	1,040.21	0.07330	$ 78.97	1,077.54	0.07329
13	Fort Pierce Utilities Auth	Municipal	$ 70.42	882.74	0.07978	$ 68.66	875.56	0.07841	$ 69.63	873.07	0.07975	$ 74.11	868.55	0.08533
14	Gainesville Regional Utilities	Municipal	$ 67.21	918.56	0.07317	$ 68.66	908.80	0.07555	$ 66.61	895.54	0.07438	$ 70.12	909.33	0.07711
15	Glades Electric Coop Inc	Cooperative	$ 79.46	812.75	0.09776	$ 82.66	830.18	0.09957	$ 77.97	816.64	0.09547	$ 81.77	841.79	0.09714
16	Green Cove Springs City of	Municipal	$ 78.87	914.63	0.08624	$ 80.09	937.04	0.08547	$ 79.24	956.53	0.08284	$ 82.29	983.36	0.08368
17	Gulf Coast Electric Coop Inc	Cooperative	$ 71.36	857.92	0.08318	$ 73.35	878.13	0.08353	$ 73.74	886.86	0.08314	$ 77.56	939.42	0.08256
18	Gulf Power Co	Investor-Owned	$ 71.65	1,097.76	0.06527	$ 74.28	1,109.99	0.06692	$ 73.89	1,129.39	0.06542	$ 75.16	1,139.25	0.06598
19	Havana Power & Light Co	Municipal	$ 69.68	740.73	0.09407	$ 67.86	735.93	0.09221	$ 72.25	762.48	0.09476	$ 76.65	816.29	0.09390
20	Homestead City of	Municipal	$ 73.54	890.83	0.08256	$ 69.56	901.62	0.07715	$ 69.56	901.62	0.07715	$ 70.54	936.73	0.07530
21	Beaches Energy Services	Municipal	$ 79.61	1,068.38	0.07452	$ 81.34	1,060.70	0.07669	$ 77.57	1,055.63	0.07348	$ 81.71	1,124.73	0.07265
22	JEA	Municipal	$ 81.83	1,171.63	0.06984	$ 80.33	1,144.15	0.07021	$ 81.39	1,156.92	0.07035	$ 82.89	1,178.62	0.07033
23	Key West City of	Municipal	$ 75.44	819.14	0.09209	$ 76.36	866.11	0.08816	$ 72.14	822.61	0.08770	$ 81.14	894.39	0.09072
24	Kissimmee Utility Authority	Municipal	$ 91.47	962.51	0.09503	$ 90.61	934.40	0.09697	$ 81.25	944.14	0.08606	$ 86.13	1,017.33	0.08466
25	Lake Worth City of	Municipal	$ 65.05	760.29	0.08556	$ 69.93	747.15	0.09359	$ 67.16	732.75	0.09166	$ 73.83	741.09	0.09963
26	Lakeland City of	Municipal	$ 85.45	1,073.71	0.07958	$ 82.06	1,050.12	0.07814	$ 80.74	1,056.42	0.07643	$ 83.28	1,060.65	0.07852
27	Lee County Electric Coop Inc	Cooperative	$ 79.36	929.07	0.08541	$ 76.76	927.86	0.08273	$ 73.92	916.11	0.08069	$ 74.25	939.30	0.07905
28	Leesburg City of	Municipal	$ 67.25	922.42	0.07290	$ 68.92	926.45	0.07440	$ 68.95	922.37	0.07475	$ 71.32	944.41	0.07552
29	New Smyrna Beach Utils Comm	Municipal	$ 70.33	852.82	0.08247	$ 74.48	843.37	0.08831	$ 73.97	851.41	0.08688	$ 74.24	845.15	0.08784
30	Ocala City of	Municipal	$ 76.53	987.89	0.07747	$ 78.11	985.52	0.07926	$ 78.96	985.52	0.08012	$ 81.61	1,011.80	0.08065
31	Peace River Electric Coop Inc	Cooperative	$ 76.21	791.86	0.09624	$ 82.14	814.97	0.10079	$ 85.12	811.51	0.10489	$ 85.65	819.92	0.10446
32	Orlando Utilities Comm	Municipal	$ 78.51	1,026.38	0.07649	$ 74.11	980.13	0.07561	$ 73.10	978.92	0.07467	$ 78.08	997.25	0.07829
33	Quincy City of	Municipal	$ 55.65	924.39	0.06020	$ 54.72	922.14	0.05933	$ 60.52	968.68	0.06248	$ 70.42	919.40	0.07659
34	Starke City of	Municipal	$ 65.13	789.07	0.08254	$ 64.93	801.41	0.08101	$ 66.51	818.58	0.08125	$ 68.07	838.58	0.08117
35	Sumter Electric Coop Inc	Cooperative	$ 77.70	841.99	0.09228	$ 80.99	864.02	0.09374	$ 77.99	873.34	0.08930	$ 82.08	904.97	0.09070
36	Suwannee Valley Elec Coop Inc	Cooperative	$ 85.51	930.85	0.09186	$ 85.67	923.99	0.09271	$ 84.38	936.61	0.09009	$ 89.31	939.81	0.09504
37	Tallahassee City of	Municipal	$ 76.38	1,006.15	0.07591	$ 76.41	973.68	0.07848	$ 81.75	958.06	0.08533	$ 85.70	973.45	0.08804
38	Talquin Electric Coop Inc	Cooperative	$ 86.07	1,044.32	0.08242	$ 84.50	1,025.16	0.08242	$ 86.45	1,038.36	0.08326	$ 89.10	1,080.96	0.08243
39	Tampa Electric Co	Investor-Owned	$ 87.25	1,124.12	0.07762	$ 89.40	1,126.94	0.07933	$ 89.79	1,121.92	0.08003	$ 92.07	1,131.93	0.08134
40	Tri-County Electric Coop Inc	Cooperative	$ 73.78	726.86	0.10150	$ 75.19	705.93	0.10651	$ 72.59	721.44	0.10062	$ 76.57	747.50	0.10243
41	Vero Beach City of	Municipal	$ 78.79	1,049.45	0.07507	$ 80.49	1,034.72	0.07779	$ 86.76	1,012.52	0.08569	$ 87.74	1,024.03	0.08568
42	West Florida El Coop Assn Inc	Cooperative	$ 73.70	917.23	0.08035	$ 71.47	889.34	0.08036	$ 72.27	916.77	0.07883	$ 77.22	965.33	0.07999
43	Withlacoochee River Elec Coop	Cooperative	$ 73.14	913.94	0.08003	$ 76.46	927.10	0.08248	$ 79.48	938.46	0.08469	$ 81.50	953.06	0.08551
44	Okefenoke Rural El Member Corp	Cooperative	$ 105.43	1,221.88	0.08628	$ 105.11	1,184.98	0.08870	$ 108.13	1,190.45	0.09083	$ 106.68	1,239.82	0.08605
45	Winter Park City of	Municipal												

	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1	1994 Bills	1994 Usage	1994 Rates	1995 Bills	1995 Usage	1995 Rates	1996 Bills	1996 Usage	1996 Rate	1997 Bills	1997 Usage	1997 Rate	1998 Bills	1998 Usage	1998 Rates	1999 Bills	1999 Usage	1999 Rates
2	$ 90.38	1,043.10	0.08664	$ 90.61	1,001.38	0.09048	$ 99.44	1110.68	0.08953	$ 94.17	1,029.57	0.09146	$ 100.40	1,103.89	0.09095	$ 94.51	1,037.55	0.09109
3	$ 91.81	1,141.50	0.08043	$ 93.24	1,154.11	0.08079	$ 100.84	1222.64	0.08248	$ 103.23	1,163.39	0.08873	$ 122.95	1,240.64	0.09910	$ 115.07	1,226.08	0.09385
4	$ 64.53	733.83	0.08794	$ 75.13	866.02	0.08675	$ 76.39	901.21	0.08476	$ 73.10	874.45	0.08360	$ 77.84	953.62	0.08163	$ 76.91	953.25	0.08068
5	$ 77.52	1,017.02	0.07622	$ 80.37	1,090.49	0.07370	$ 82.68	1124.83	0.07350	$ 81.33	1,102.15	0.07380	$ 84.34	1,170.79	0.07203	$ 82.63	1,139.11	0.07254
6	$ 88.75	1,056.69	0.08399	$ 92.94	1,150.58	0.08078	$ 91.29	1165.05	0.07836	$ 87.86	1,137.53	0.07724	$ 91.67	1,219.56	0.07516	$ 88.01	1,205.22	0.07302
7	$ 89.36	1,198.79	0.07454	$ 91.56	1,232.48	0.07429	$ 92.18	1252.32	0.07361	$ 90.64	1,217.12	0.07447	$ 94.11	1,313.14	0.07167	$ 89.79	1,250.53	0.07180
8	$ 88.14	1,137.94	0.07746	$ 91.52	1,179.98	0.07756	$ 97.64	1264.95	0.07719	$ 94.07	1,220.80	0.07706	$ 94.43	1,282.81	0.07361	$ 93.05	1,245.66	0.07470
9	$ 67.66	1,037.03	0.06524	$ 69.80	1,080.15	0.06462	$ 78.30	1079.45	0.07254	$ 80.53	1,124.63	0.07161	$ 83.92	1,204.47	0.06968	$ 81.89	1,150.93	0.07116
10	$ 80.11	1,062.12	0.07542	$ 83.32	1,091.19	0.07636	$ 87.86	1093.43	0.08035	$ 88.06	1,085.63	0.08111	$ 91.32	1,160.63	0.07868	$ 83.66	1,103.00	0.07585
11	$ 86.53	1,049.75	0.08243	$ 92.82	1,106.83	0.08386	$ 94.83	1130.02	0.08391	$ 92.89	1,082.75	0.08579	$ 100.37	1,164.36	0.08620	$ 96.17	1,119.95	0.08587
12	$ 74.83	1,049.03	0.07133	$ 79.43	1,130.28	0.07027	$ 83.35	1156.07	0.07210	$ 75.33	1,099.63	0.06851	$ 76.65	1,195.84	0.06410	$ 71.37	1,155.95	0.06174
13	$ 69.92	885.97	0.07892	$ 71.67	904.04	0.07928	$ 79.54	920.07	0.08645	$ 77.69	853.24	0.09105	$ 87.22	948.73	0.09193	$ 81.63	897.08	0.09100
14	$ 68.19	889.15	0.07669	$ 69.69	944.08	0.07382	$ 73.03	942.75	0.07746	$ 69.98	901.46	0.07763	$ 72.12	970.78	0.07429	$ 70.29	928.08	0.07574
15	$ 85.63	902.87	0.09485	$ 88.83	950.58	0.09345	$ 89.97	975.39	0.09224	$ 86.99	965.27	0.09012	$ 90.50	1,037.79	0.08721	$ 87.08	996.84	0.08736
16	$ 82.10	987.56	0.08314	$ 91.57	1,058.29	0.08652	$ 86.24	1401.72	0.06152	$ 83.89	1,024.79	0.08186	$ 91.33	1,121.47	0.08143	$ 88.70	1,097.47	0.08082
17	$ 75.32	913.26	0.08248	$ 81.13	1,007.13	0.08055	$ 80.13	1026.74	0.07805	$ 79.52	1,027.97	0.07735	$ 79.93	1,101.28	0.07258	$ 84.23	1,077.87	0.07815
18	$ 75.66	1,123.81	0.06732	$ 81.11	1,179.03	0.06880	$ 82.68	1204.72	0.06863	$ 78.02	1,157.82	0.06739	$ 75.61	1,214.79	0.06224	$ 74.00	1,193.13	0.06202
19	$ 75.47	802.50	0.09404	$ 82.15	881.36	0.09321	$ 86.91	905.53	0.09598	$ 84.12	861.06	0.09769	$ 90.60	947.31	0.09564	$ 86.82	936.41	0.09272
20	$ 78.75	949.34	0.08295	$ 84.36	956.05	0.08824	$ 82.43	928.75	0.08876	$ 73.63	965.50	0.07626	$ 84.90	1,019.68	0.08326	$ 79.59	986.71	0.08066
21	$ 93.90	1,262.08	0.07440	$ 104.91	1,326.95	0.07906	$ 103.42	1358.20	0.07614	$ 98.43	1,256.01	0.07837	$ 109.10	1,396.53	0.07812	$ 104.84	1,337.84	0.07836
22	$ 82.11	1,168.96	0.07024	$ 83.74	1,209.06	0.06926	$ 85.63	1229.43	0.06965	$ 80.82	1,164.21	0.06942	$ 85.43	1,241.17	0.06883	$ 83.15	1,207.52	0.06886
23	$ 81.11	942.26	0.08608	$ 65.77	982.00	0.06697	$ 64.96	978.78	0.06637	$ 94.95	1,035.80	0.09167	$ 101.35	1,072.41	0.09450	$ 91.38	1,037.96	0.08804
24	$ 87.20	1,036.92	0.08409	$ 85.71	1,092.95	0.07842	$ 89.31	1125.15	0.07938	$ 88.78	1,074.56	0.08262	$ 92.04	1,170.13	0.07866	$ 92.79	1,175.99	0.07891
25	$ 70.95	782.72	0.09064	$ 70.97	814.43	0.08714	$ 73.56	822.09	0.08948	$ 74.03	810.98	0.09129	$ 79.01	884.09	0.08937	$ 75.18	847.16	0.08874
26	$ 85.03	1,104.14	0.07701	$ 88.90	1,179.25	0.07539	$ 87.66	1190.45	0.07364	$ 87.47	1,161.46	0.07531	$ 93.06	1,211.29	0.07683	$ 91.03	1,171.59	0.07769
27	$ 78.69	1,005.24	0.07828	$ 84.05	1,031.31	0.08149	$ 84.53	1066.87	0.07923	$ 84.81	1,031.41	0.08222	$ 86.31	1,099.15	0.07853	$ 77.81	1,055.30	0.07373
28	$ 73.62	963.16	0.07644	$ 80.72	1,021.66	0.07901	$ 79.00	1028.63	0.07681	$ 76.41	986.69	0.07744	$ 83.01	1,069.24	0.07764	$ 79.21	1,023.77	0.07737
29	$ 73.95	879.63	0.08407	$ 73.57	910.28	0.08082	$ 78.54	948.57	0.08280	$ 72.26	890.36	0.08115	$ 74.14	981.63	0.07552	$ 72.16	965.07	0.07478
30	$ 82.28	1,007.40	0.08168	$ 87.33	1,082.00	0.08071	$ 81.13	1081.36	0.07502	$ 85.41	1,036.72	0.08238	$ 91.38	1,119.20	0.08165	$ 88.24	1,075.74	0.08203
31	$ 89.01	856.76	0.10389	$ 91.42	914.99	0.09991	$ 90.37	943.43	0.09579	$ 84.77	936.35	0.09053	$ 92.05	1,027.35	0.08960	$ 89.34	1,011.31	0.08834
32	$ 79.68	1,003.47	0.07940	$ 85.04	1,056.94	0.08046	$ 84.29	1065.83	0.07909	$ 79.98	989.40	0.08084	$ 84.09	1,102.27	0.07629	$ 77.92	1,011.87	0.07701
33	$ 69.87	881.66	0.07925	$ 78.46	966.10	0.08121	$ 83.40	978.06	0.08527	$ 83.40	907.39	0.09191	$ 87.80	1,001.38	0.08768	$ 80.37	968.80	0.08295
34	$ 65.83	847.14	0.07771	$ 74.85	923.65	0.08104	$ 76.48	947.41	0.08072	$ 73.75	911.53	0.08091	$ 79.32	902.91	0.08785	$ 79.49	963.19	0.08253
35	$ 78.94	900.25	0.08768	$ 88.04	1,009.47	0.08722	$ 86.35	1013.20	0.08522	$ 85.06	998.47	0.08519	$ 86.43	1,077.19	0.08023	$ 84.05	1,056.72	0.07954
36	$ 88.79	958.46	0.09264	$ 94.54	1,019.43	0.09274	$ 88.35	974.77	0.09064	$ 89.86	993.59	0.09044	$ 94.41	1,076.95	0.08766	$ 94.16	1,083.94	0.08687
37	$ 79.05	952.63	0.08298	$ 86.89	1,013.56	0.08573	$ 88.59	1019.26	0.08692	$ 84.56	954.23	0.08861	$ 88.39	1,034.58	0.08543	$ 85.82	997.52	0.08603
38	$ 88.06	1,071.09	0.08222	$ 93.54	1,125.79	0.08309	$ 96.17	1180.48	0.08147	$ 90.12	1,113.36	0.08095	$ 96.73	1,228.02	0.07877	$ 91.51	1,182.35	0.07740
39	$ 98.51	1,158.99	0.08500	$ 100.00	1,213.75	0.08239	$ 100.92	1235.33	0.08170	$ 97.25	1,187.38	0.08190	$ 100.67	1,260.29	0.07988	$ 97.28	1,215.83	0.08001
40	$ 75.40	739.43	0.10197	$ 80.81	791.70	0.10207	$ 79.80	808.94	0.09865	$ 76.77	790.90	0.09706	$ 85.88	870.64	0.09864	$ 80.74	849.22	0.09507
41	$ 90.32	1,052.82	0.08579	$ 94.77	1,107.20	0.08559	$ 98.21	1104.27	0.08894	$ 93.61	1,056.91	0.08857	$ 98.69	1,172.60	0.08416	$ 90.47	1,070.70	0.08450
42	$ 77.03	941.40	0.08183	$ 82.50	1,008.23	0.08183	$ 84.39	1052.25	0.08020	$ 82.44	1,013.37	0.08135	$ 86.34	1,091.49	0.07910	$ 84.17	1,060.62	0.07936
43	$ 80.41	972.86	0.08266	$ 85.82	1,062.79	0.08075	$ 86.71	1098.74	0.07892	$ 82.94	1,044.66	0.07939	$ 89.03	1,131.22	0.07870	$ 82.70	1,106.04	0.07477
44	$ 105.04	1,248.34	0.08414	$ 109.53	1,287.16	0.08509	$ 104.82	1310.41	0.07999	$ 102.14	1,273.05	0.08024	$ 107.41	1,342.02	0.08003	$ 106.53	1,328.65	0.08018
45																		

	AG	AH	AI	AJ	AM	AN	AO	AP	AS	AT	AU	AV	AY	AZ	BA	BB	BE	BF
1	2000 Bills	2000 Usage	2000 Rates	2001 Megawatth ours	2001 Bills	2001 Usage	2001 Rates	2002 Megawatt Hours	2002 Bills	2002 Usage	2002 Rates	2003 Megawatt Hours	2003 Bills	2003 Usage	2003 Rates	2004 Megawatt Hours	2004 Bills	2004 Usage
2	$ 97.35	1,067.48	0.09120	30,465	$ 104.99	1,088.66	0.09644	32,395	$ 109.03	1,093.83	0.09968	33,383	$ 103.88	1,071.62	0.09694	37,305	$ 109.66	1,162.15
3	$ 108.59	1,212.83	0.08953	126,326	$ 119.58	1,256.53	0.09517	132,567	$ 126.57	1,331.64	0.09505	132,321	$ 101.68	1,125.52	0.09034	126,735	$ 98.55	1,053.39
4	$ 78.46	978.07	0.08022	310,293	$ 83.61	981.32	0.08520	334,519	$ 85.17	1,032.89	0.08246	342,888	$ 89.27	1,036.12	0.08616	355,199	$ 92.12	1,040.57
5	$ 87.71	1,212.46	0.07234	409,987	$ 88.78	1,162.45	0.07638	449,577	$ 102.32	1,234.87	0.08286	454,941	$ 102.71	1,209.54	0.08492	483,480	$ 111.46	1,241.68
6	$ 95.06	1,246.12	0.07629	1,817,357	$ 97.17	1,216.49	0.07988	1,988,811	$ 100.71	1,307.09	0.07705	2,038,552	$ 107.29	1,317.90	0.08141	2,088,744	$ 112.21	1,317.19
7	$ 93.45	1,277.90	0.07312	50,966	$ 114.35	1,277.73	0.08949	52,929	$ 117.39	1,327.34	0.08844	52,510	$ 117.94	1,314.06	0.08975	53,159	$ 128.81	1,327.51
8	$ 101.90	1,363.19	0.07475	119,832	$ 94.78	1,193.78	0.07939	128,931	$ 103.84	1,276.49	0.08135	125,969	$ 109.46	1,241.71	0.08815	126,824	$ 109.70	1,252.95
9	$ 93.17	1,156.71	0.08055	349,613	$ 95.66	1,168.51	0.08186	375,378	$ 93.78	1,242.46	0.07548	391,062	$ 111.34	1,282.46	0.08681	370,720	$ 108.54	1,208.56
10	$ 85.63	1,132.82	0.07559	47,737,017	$ 99.69	1,139.67	0.08747	50,875,435	$ 95.37	1,188.84	0.08022	53,400,788	$ 105.31	1,218.31	0.08644	52,528,487	$ 105.82	1,168.88
11	$ 99.62	1,155.57	0.08621	17,603,735	$ 107.43	1,150.87	0.09335	18,753,816	$ 104.18	1,200.77	0.08676	19,428,943	$ 105.81	1,215.60	0.08705	19,347,267	$ 110.30	1,181.43
12	$ 70.75	1,184.61	0.05972	310,687	$ 70.27	1,184.06	0.05934	333,068	$ 78.83	1,247.84	0.06317	328,039	$ 73.51	1,207.87	0.06086	336,814	$ 72.41	1,226.85
13	$ 84.66	920.11	0.09201	229,424	$ 84.04	920.01	0.09135	236,453	$ 86.29	935.68	0.09223	256,665	$ 95.02	1,008.48	0.09422	240,759	$ 92.84	936.09
14	$ 74.86	933.54	0.08019	802,975	$ 78.44	924.35	0.08485	850,987	$ 74.53	960.56	0.07759	853,787	$ 80.53	955.58	0.08427	877,859	$ 82.87	949.80
15	$ 91.43	1,049.47	0.08712	136,823	$ 104.47	1,038.14	0.10063	145,169	$ 99.05	1,095.78	0.09039	154,266	$ 109.58	1,150.38	0.09526	149,590	$ 105.59	1,082.67
16	$ 92.03	1,107.38	0.08311	33,910	$ 107.48	1,126.28	0.09543	35,551	$ 103.19	1,143.85	0.09021	37,218	$ 108.72	1,134.42	0.09584	36,786	$ 117.31	1,092.48
17	$ 90.04	1,160.86	0.07757	215,548	$ 93.10	1,100.30	0.08462	238,900	$ 100.68	1,189.91	0.08461	239,345	$ 101.61	1,163.27	0.08735	254,587	$ 107.77	1,205.36
18	$ 80.52	1,249.33	0.06445	4,716,404	$ 77.08	1,208.06	0.06380	5,143,802	$ 91.00	1,292.53	0.07041	5,101,099	$ 93.87	1,255.32	0.07478	5,215,332	$ 96.82	1,258.04
19	$ 93.45	988.29	0.09456	11,899	$ 91.31	939.89	0.09715	13,255	$ 93.74	1,037.17	0.09038	12,738	$ 99.12	1,005.21	0.09860	13,040	$ 104.13	1,000.61
20	$ 80.65	1,006.35	0.08014	168,290	$ 98.86	1,035.76	0.09544	178,886	$ 110.54	1,068.38	0.10347	189,695	$ 104.18	1,094.66	0.09517	190,827	$ 102.82	1,075.42
21	$ 102.02	1,283.05	0.07951	436,326	$ 121.49	1,386.43	0.08763	443,765	$ 122.28	1,415.46	0.08639	461,217	$ 132.75	1,468.88	0.09037	454,112	$ 134.64	1,432.67
22	$ 86.96	1,262.35	0.06889	4,787,909	$ 83.93	1,226.37	0.06844	5,072,732	$ 87.24	1,273.70	0.06849	5,424,721	$ 91.66	1,342.19	0.06829	5,424,326	$ 90.47	1,317.51
23	$ 96.16	1,074.55	0.08948	301,966	$ 112.95	1,078.74	0.10471	326,255	$ 107.80	1,149.55	0.09377	340,453	$ 125.63	1,194.92	0.10514	330,483	$ 125.47	1,151.59
24	$ 96.92	1,160.06	0.08355	555,167	$ 111.04	1,175.14	0.09449	569,115	$ 98.65	1,159.88	0.08505	637,015	$ 112.80	1,235.53	0.09129	647,212	$ 108.52	1,228.18
25	$ 85.94	866.49	0.09918	225,843	$ 92.44	870.54	0.10619	239,743	$ 85.79	921.73	0.09307	254,047	$ 95.76	972.15	0.09851	248,682	$ 93.71	931.02
26	$ 93.48	1,195.86	0.07817	1,310,381	$ 107.09	1,230.67	0.08701	1,391,549	$ 111.40	1,270.11	0.08771	1,407,867	$ 117.84	1,265.82	0.09309	1,393,021	$ 124.72	1,234.09
27	$ 76.49	1,091.75	0.07006	1,830,742	$ 88.21	1,131.44	0.07796	1,972,196	$ 88.30	1,176.70	0.07504	2,136,717	$ 95.71	1,217.49	0.07861	2,158,813	$ 94.09	1,166.42
28	$ 76.70	1,048.04	0.07319	196,090	$ 82.71	1,043.08	0.07930	208,782	$ 87.09	1,096.80	0.07941	213,284	$ 89.57	1,073.94	0.08341	214,135	$ 92.43	1,010.17
29	$ 77.04	956.74	0.08052	217,346	$ 94.96	962.29	0.09869	212,859	$ 86.28	929.19	0.09285	230,467	$ 86.27	981.63	0.08788	234,298	$ 90.24	961.62
30	$ 90.21	1,105.59	0.08160	484,279	$ 89.52	1,094.24	0.08181	488,302	$ 89.59	1,095.40	0.08179	523,400	$ 83.87	1,140.75	0.07352	517,692	$ 89.31	1,087.80
31	$ 91.51	1,058.85	0.08643	281,639	$ 104.09	1,097.08	0.09488	309,713	$ 103.26	1,174.44	0.08793	330,807	$ 113.16	1,207.55	0.09371	336,558	$ 109.19	1,170.70
32	$ 79.70	1,036.87	0.07686	1,639,394	$ 83.65	1,055.46	0.07925	1,683,546	$ 84.87	1,057.41	0.08026	1,732,930	$ 89.49	1,061.84	0.08428	1,773,250	$ 101.98	1,053.61
33	$ 85.94	1,035.50	0.08300	43,658	$ 82.43	943.26	0.08738	46,966	$ 89.98	1,016.84	0.08849	45,915	$ 91.12	990.49	0.09200	47,427	$ 100.05	1,021.52
34	$ 79.71	920.80	0.08657	22,543	$ 88.89	948.30	0.09373	26,028	$ 91.22	1,098.23	0.08306	23,575	$ 95.93	1,017.39	0.09429	24,751	$ 111.50	1,064.28
35	$ 85.79	1,097.00	0.07820	1,264,764	$ 94.52	1,062.48	0.08896	1,429,198	$ 93.57	1,138.16	0.08221	1,526,106	$ 100.78	1,146.46	0.08791	1,600,184	$ 101.19	1,121.17
36	$ 89.37	1,048.07	0.08528	268,624	$ 106.17	1,166.33	0.09103	287,894	$ 103.19	1,212.96	0.08508	296,100	$ 109.74	1,219.12	0.09002	306,414	$ 113.07	1,227.80
37	$ 92.23	1,022.43	0.09021	959,097	$ 92.74	994.73	0.09323	1,047,942	$ 87.15	1,075.37	0.08104	1,034,749	$ 105.62	1,086.06	0.09725	1,063,986	$ 113.89	1,093.37
38	$ 94.37	1,235.05	0.07641	661,046	$ 99.96	1,240.90	0.08055	693,844	$ 103.86	1,275.40	0.08144	702,320	$ 105.63	1,253.95	0.08424	737,197	$ 111.59	1,290.86
39	$ 103.89	1,248.30	0.08323	7,594,089	$ 108.66	1,250.76	0.08688	8,046,430	$ 121.16	1,293.09	0.09370	8,264,748	$ 120.38	1,296.41	0.09285	8,292,829	$ 125.57	1,269.62
40	$ 85.28	896.53	0.09512	145,257	$ 87.86	878.17	0.10004	158,936	$ 90.49	933.91	0.09689	159,605	$ 86.80	912.11	0.09517	164,883	$ 91.84	921.92
41	$ 93.38	1,109.50	0.08416	339,366	$ 96.35	1,109.34	0.08685	360,043	$ 96.66	1,153.27	0.08382	370,294	$ 97.86	1,166.91	0.08386	353,872	$ 102.63	1,094.06
42	$ 89.73	1,102.81	0.08136	295,000	$ 94.78	1,102.39	0.08598	313,000	$ 101.20	1,142.00	0.08862	307,139	$ 101.21	1,120.62	0.09032	319,000	$ 105.34	1,128.28
43	$ 89.45	1,169.29	0.07650	2,044,411	$ 96.79	1,171.41	0.08262	2,221,997	$ 94.70	1,235.75	0.07663	2,337,058	$ 104.65	1,258.09	0.08318	2,405,061	$ 106.39	1,245.79
44	$ 110.25	1,342.28	0.08213	124,278	$ 112.17	1,336.32	0.08394	135,580	$ 111.70	1,372.66	0.08138	137,453	$ 113.06	1,387.91	0.08146	145,092	$ 115.90	1,413.33
45																		

	BG	BH	BK	BL	BM	BN	BQ	BR	BS	BT	BW	BX	BY	BZ	CC	CD	CE
1	2004 Rates	2005 Megawatt Hours	2005 Bills	2005 Usage	2005 Rates	2006 Megawatt Hours	2006 Bills	2006 Usage	2006 Rates	2007 Megawatt Hours	2007 Bills	2007 Usage	2007 Rates	2008 Megawatt Hours	2008 Bills	2008 Usage	2008 Rates
2	0.09436	36,951	$ 113.05	1,077.41	0.10492	38,804	$ 130.19	1,091.35	0.11929	39,482	$ 110.41	961.47	0.11484	39,711	$ 119.06	961.15	0.12387
3	0.09356	128,282	$ 120.97	1,104.81	0.10949	134,752	$ 139.83	1,152.44	0.12133	135,006	$ 133.27	1,129.80	0.11796	132,579	$ 137.29	1,117.00	0.12291
4	0.08853	366,835	$ 105.28	1,048.27	0.10043	369,373	$ 109.56	1,037.80	0.10557	373,991	$ 112.30	1,036.03	0.10840	365,729	$ 114.77	1,004.73	0.11423
5	0.08976	503,418	$ 118.34	1,245.92	0.09498	519,802	$ 129.22	1,241.77	0.10406	533,430	$ 134.55	1,222.90	0.11003	532,683	$ 141.24	1,203.31	0.11738
6	0.08519	2,163,427	$ 123.76	1,319.26	0.09381	2,224,793	$ 129.46	1,309.80	0.09884	2,239,495	$ 128.49	1,285.64	0.09995	2,202,880	$ 133.23	1,252.44	0.10638
7	0.09703	53,603	$ 145.70	1,335.00	0.10914	53,649	$ 146.06	1,288.77	0.11333	53,746	$ 137.28	1,287.02	0.10667	50,450	$ 150.08	1,258.36	0.11927
8	0.08755	130,224	$ 120.72	1,271.32	0.09496	133,870	$ 134.86	1,299.91	0.10374	135,743	$ 141.66	1,298.88	0.10907	133,870	$ 132.87	1,291.33	0.10289
9	0.08981	375,637	$ 137.70	1,218.83	0.11298	367,448	$ 143.68	1,191.98	0.12054	372,700	$ 155.43	1,208.92	0.12857	359,422	$ 158.08	1,167.21	0.13543
10	0.09053	54,179,849	$ 113.53	1,179.35	0.09627	54,567,510	$ 138.53	1,164.10	0.11900	55,065,086	$ 131.53	1,152.53	0.11412	53,141,214	$ 129.70	1,109.25	0.11693
11	0.09336	19,893,534	$ 119.34	1,186.67	0.10057	20,020,717	$ 137.40	1,165.29	0.11791	19,911,884	$ 136.49	1,150.03	0.11868	19,328,406	$ 130.76	1,111.56	0.11763
12	0.05902	350,661	$ 82.89	1,263.97	0.06558	349,931	$ 80.11	1,242.79	0.06446	349,709	$ 95.47	1,227.88	0.07775	329,647	$ 132.19	1,151.85	0.11476
13	0.09918	251,423	$ 103.53	993.64	0.10419	246,317	$ 112.64	931.66	0.12091	234,564	$ 107.97	869.41	0.12419	217,525	$ 115.68	771.76	0.14990
14	0.08725	887,808	$ 88.81	946.52	0.09382	877,223	$ 97.64	920.60	0.10607	877,543	$ 95.39	901.40	0.10583	820,159	$ 104.00	830.75	0.12519
15	0.09753	156,248	$ 119.57	1,100.37	0.10866	156,216	$ 135.07	1,081.14	0.12494	159,125	$ 133.08	1,078.52	0.12339	151,278	$ 138.90	1,031.46	0.13467
16	0.10738	42,278	$ 127.37	1,195.10	0.10658	45,753	$ 143.28	1,231.51	0.11634	44,567	$ 141.69	1,189.21	0.11915	43,562	$ 144.84	1,101.72	0.13147
17	0.08941	263,515	$ 116.37	1,206.04	0.09649	271,972	$ 125.39	1,200.50	0.10445	277,484	$ 132.44	1,211.23	0.10934	272,737	$ 143.37	1,189.89	0.12049
18	0.07696	5,319,630	$ 110.67	1,265.12	0.08748	5,425,491	$ 117.98	1,252.66	0.09418	5,477,111	$ 120.70	1,229.55	0.09817	5,348,642	$ 129.37	1,189.51	0.10876
19	0.10406	12,964	$ 116.96	992.95	0.11779	13,115	$ 124.89	999.92	0.12490	13,355	$ 124.93	993.68	0.12572	13,218	$ 141.81	973.92	0.14560
20	0.09560	207,570	$ 111.15	1,090.16	0.10196	231,492	$ 111.44	991.98	0.11235	248,290	$ 113.60	1,011.08	0.11236	243,701	$ 118.91	981.23	0.12119
21	0.09398	458,334	$ 146.78	1,468.68	0.09994	455,067	$ 169.31	1,444.00	0.11725	452,724	$ 154.49	1,352.51	0.11422	438,331	$ 163.08	1,285.82	0.12683
22	0.06867	5,575,597	$ 106.45	1,322.46	0.08049	5,596,010	$ 116.50	1,299.28	0.08967	5,506,626	$ 114.30	1,255.97	0.09100	5,314,711	$ 131.91	1,210.51	0.10897
23	0.10895	332,198	$ 137.10	1,147.30	0.11950	326,436	$ 155.88	1,135.92	0.13723	332,361	$ 153.90	1,155.38	0.13320	327,685	$ 179.98	1,136.85	0.15831
24	0.08836	697,710	$ 126.72	1,228.66	0.10314	715,371	$ 127.96	1,194.39	0.10713	717,320	$ 141.37	1,154.39	0.12246	706,733	$ 142.03	1,121.54	0.12664
25	0.10065	240,945	$ 70.59	841.88	0.08385	249,454	$ 85.95	916.25	0.09380	255,230	$ 113.02	944.00	0.11973	231,464	$ 121.17	887.08	0.13660
26	0.10106	1,430,504	$ 137.20	1,238.90	0.11074	1,437,893	$ 149.18	1,214.27	0.12285	1,444,211	$ 150.08	1,197.24	0.12536	1,383,482	$ 148.32	1,144.44	0.12960
27	0.08067	2,304,226	$ 107.76	1,179.48	0.09136	2,384,688	$ 120.49	1,152.48	0.10455	2,444,649	$ 120.33	1,161.53	0.10360	2,316,611	$ 118.82	1,102.17	0.10780
28	0.09150	221,649	$ 103.12	1,060.32	0.09726	224,637	$ 123.27	1,067.56	0.11547	224,927	$ 116.98	1,002.62	0.11668	210,885	$ 132.82	946.91	0.14027
29	0.09384	239,697	$ 90.45	963.80	0.09385	246,243	$ 104.42	962.22	0.10852	241,077	$ 113.24	920.45	0.12303	233,836	$ 109.37	884.38	0.12367
30	0.08210	533,218	$ 88.85	1,088.69	0.08161	551,567	$ 89.72	1,098.33	0.08168	533,373	$ 80.44	1,054.61	0.07628	502,676	$ 77.42	1,023.92	0.07561
31	0.09327	360,360	$ 126.27	1,237.74	0.10201	373,640	$ 142.10	1,214.52	0.11700	405,455	$ 141.16	1,257.18	0.11229	394,455	$ 157.24	1,224.30	0.12843
32	0.09679	1,857,463	$ 98.35	1,064.68	0.09237	1,874,350	$ 96.72	1,048.24	0.09227	1,844,535	$ 105.66	1,020.65	0.10352	1,797,871	$ 111.94	994.31	0.11258
33	0.09794	46,381	$ 102.98	990.29	0.10399	44,799	$ 103.52	935.42	0.11067	46,381	$ 102.98	990.29	0.10399	48,503	$ 120.40	997.02	0.12076
34	0.10476	25,069	$ 117.63	1,038.31	0.11329	25,018	$ 131.47	1,024.99	0.12827	24,854	$ 131.60	1,008.85	0.13044	24,786	$ 140.84	1,010.52	0.13938
35	0.09025	1,737,989	$ 110.22	1,130.94	0.09746	1,846,048	$ 120.37	1,111.32	0.10832	1,926,083	$ 115.49	1,098.59	0.10512	1,895,150	$ 126.73	1,045.27	0.12124
36	0.09209	317,476	$ 124.55	1,241.73	0.10030	319,340	$ 133.72	1,215.26	0.11004	296,020	$ 122.47	1,163.38	0.10527	294,647	$ 132.35	1,144.28	0.11566
37	0.10416	1,088,321	$ 108.69	1,013.70	0.10722	1,097,486	$ 131.41	993.92	0.13221	1,098,855	$ 136.57	978.65	0.13955	1,053,573	$ 138.10	927.70	0.14886
38	0.08645	733,558	$ 120.19	1,267.54	0.09482	740,168	$ 137.45	1,265.71	0.10859	745,882	$ 134.71	1,254.63	0.10737	717,685	$ 148.85	1,219.73	0.12204
39	0.09891	8,558,461	$ 125.00	1,276.48	0.09793	8,720,867	$ 138.63	1,263.65	0.10971	8,871,217	$ 144.57	1,259.88	0.11475	8,546,468	$ 139.23	1,212.05	0.11487
40	0.09962	170,879	$ 102.86	933.46	0.11019	170,306	$ 106.65	911.86	0.11695	175,740	$ 112.07	917.78	0.12211	171,415	$ 115.36	894.24	0.12901
41	0.09381	377,824	$ 130.54	1,175.70	0.11103	363,346	$ 144.70	1,094.92	0.13216	364,521	$ 141.13	1,086.55	0.12989	346,180	$ 143.54	1,032.55	0.13902
42	0.09337	324,427	$ 116.68	1,128.03	0.10344	332,718	$ 127.15	1,132.71	0.11226	337,968	$ 131.55	1,133.04	0.11610	332,045	$ 139.26	1,109.48	0.12552
43	0.08540	2,499,233	$ 116.54	1,217.31	0.09574	2,572,549	$ 127.06	1,226.92	0.10356	2,649,593	$ 124.90	1,227.89	0.10172	2,594,038	$ 129.92	1,195.25	0.10870
44	0.08200	152,825	$ 129.29	1,430.30	0.09039	155,423	$ 138.18	1,411.50	0.09789	154,927	$ 146.18	1,376.39	0.10620	153,524	$ 144.00	1,348.83	0.10676
45																	

	CF	CI	CJ	CK	CL	CO	CP	CQ	CR	CU	CV	CW	CX	DA	DB	DC	DD
1	2009 Megawatt Hours	2009 Bills	2009 Usage	2009 Rates	2010 Megawatt Hours	2010 Bills	2010 Usage	2010 Rates	2011 Megawatt Hours	2011 Bills	2011 Usage	2011 Rates	2012 Megawatt Hours	2012 Bills	2012 Usage	2012 Rates	2013 Megawatt Hours
2	40,938	$ 121.38	985.13	0.12321	43,735	$ 130.85	1,048.50	0.12480	42,344	$ 126.44	992.03	0.12746	39,213	$ 114.33	929.13	0.12305	39,865
3	134,486	$ 155.87	1,121.61	0.13897	144,190	$ 164.80	1,208.23	0.13640	135,920	$ 153.40	1,142.72	0.13424	123,337	$ 137.49	1,036.62	0.13264	123,705
4	366,057	$ 128.07	1,011.87	0.12657	385,342	$ 139.71	1,071.50	0.13038	350,727	$ 122.39	979.56	0.12494	333,583	$ 125.99	931.37	0.13527	327,636
5	534,969	$ 156.77	1,201.67	0.13046	569,757	$ 149.06	1,271.48	0.11723	563,456	$ 145.99	1,238.75	0.11786	531,362	$ 139.23	1,140.51	0.12207	550,722
6	2,236,217	$ 142.56	1,267.71	0.11246	2,415,332	$ 156.99	1,367.10	0.11483	2,191,983	$ 146.71	1,240.50	0.11827	2,079,615	$ 135.18	1,170.57	0.11548	2,055,318
7	50,550	$ 161.46	1,266.16	0.12752	52,364	$ 154.39	1,320.72	0.11690	49,359	$ 139.81	1,235.21	0.11319	47,644	$ 132.80	1,189.79	0.11162	47,158
8	127,945	$ 168.20	1,214.91	0.13844	138,644	$ 167.59	1,320.12	0.12695	129,924	$ 159.45	1,242.91	0.12829	123,158	$ 157.92	1,176.56	0.13422	124,725
9	362,525	$ 147.68	1,176.51	0.12553	366,258	$ 143.57	1,186.36	0.12102	365,547	$ 138.14	1,180.07	0.11706	358,489	$ 128.56	1,146.58	0.11213	372,403
10	53,953,573	$ 134.78	1,127.92	0.11950	56,583,308	$ 118.63	1,179.13	0.10061	54,764,235	$ 120.61	1,133.34	0.10642	53,383,164	$ 114.20	1,097.83	0.10402	54,074,164
11	19,399,196	$ 153.95	1,121.61	0.13726	20,524,060	$ 159.90	1,178.35	0.13570	19,237,836	$ 141.33	1,103.75	0.12804	18,251,334	$ 137.37	1,042.68	0.13175	18,507,962
12	316,307	$ 154.16	1,113.18	0.13849	347,040	$ 181.90	1,226.00	0.14837	318,064	$ 162.19	1,122.82	0.14445	292,981	$ 143.69	1,031.52	0.13930	289,745
13	213,653	$ 117.45	766.77	0.15317	223,143	$ 117.85	817.23	0.14420	214,913	$ 104.53	787.89	0.13267	204,531	$ 97.50	750.55	0.12990	208,467
14	808,252	$ 109.30	815.38	0.13404	851,454	$ 115.34	865.58	0.13325	804,800	$ 107.12	819.07	0.13079	757,179	$ 99.37	768.29	0.12934	753,459
15	157,520	$ 145.56	1,047.12	0.13901	161,772	$ 161.23	1,097.27	0.14694	145,261	$ 136.73	994.50	0.13748	141,110	$ 135.87	962.37	0.14118	141,077
16	44,147	$ 171.64	1,187.13	0.14459	48,165	$ 160.55	1,259.41	0.12748	45,157	$ 145.04	1,216.25	0.11925	41,262	$ 134.67	1,109.91	0.12133	43,594
17	279,014	$ 163.81	1,228.21	0.13338	300,038	$ 160.90	1,296.71	0.12408	273,291	$ 151.65	1,184.55	0.12802	241,353	$ 142.70	1,078.61	0.13230	245,524
18	5,254,491	$ 131.03	1,170.76	0.11192	5,651,274	$ 156.80	1,253.01	0.12514	5,304,769	$ 140.42	1,168.71	0.12015	5,053,724	$ 133.68	1,108.50	0.12060	5,088,829
19	13,247	$ 145.80	998.12	0.14607	14,753	$ 151.21	1,112.59	0.13590	13,603	$ 133.36	1,029.59	0.12953	12,288	$ 113.00	930.06	0.12150	12,523
20	239,326	$ 122.18	989.38	0.12349	244,260	$ 138.86	1,092.71	0.12708	244,832	$ 126.20	1,040.42	0.12130	250,404	$ 128.57	1,086.14	0.11837	259,063
21	442,995	$ 178.64	1,305.29	0.13686	474,857	$ 189.04	1,393.65	0.13564	450,067	$ 169.29	1,322.11	0.12805	423,779	$ 154.21	1,231.47	0.12523	418,786
22	5,318,602	$ 144.09	1,204.03	0.11968	5,746,964	$ 152.54	1,297.69	0.11755	5,236,798	$ 148.69	1,180.22	0.12598	4,879,578	$ 135.34	1,091.83	0.12396	4,852,228
23	321,484	$ 173.97	1,106.58	0.15721	324,455	$ 158.99	1,107.98	0.14350	331,480	$ 155.01	1,120.58	0.13833	327,841	$ 151.93	1,103.84	0.13764	336,742
24	695,330	$ 148.66	1,109.66	0.13397	743,330	$ 155.29	1,179.51	0.13165	733,223	$ 135.62	1,140.77	0.11889	702,353	$ 124.84	1,070.50	0.11662	709,471
25	224,621	$ 122.21	875.88	0.13953	230,409	$ 128.91	908.61	0.14188	223,417	$ 117.81	875.69	0.13453	217,475	$ 109.53	830.87	0.13183	219,148
26	1,417,495	$ 142.35	1,173.86	0.12126	1,529,905	$ 149.70	1,266.21	0.11822	1,437,360	$ 137.92	1,196.39	0.11528	1,356,649	$ 118.80	1,122.33	0.10585	1,367,751
27	2,362,554	$ 130.76	1,120.19	0.11673	2,448,450	$ 135.90	1,142.90	0.11891	2,365,496	$ 125.44	1,091.67	0.11491	2,313,278	$ 124.21	1,056.98	0.11752	2,331,317
28	211,129	$ 139.45	953.20	0.14630	227,631	$ 134.70	1,022.60	0.13172	213,937	$ 121.56	960.10	0.12661	200,174	$ 111.55	899.59	0.12400	203,685
29	246,187	$ 116.28	935.97	0.12423	265,763	$ 121.25	1,005.86	0.12055	248,414	$ 105.16	930.39	0.11303	235,645	$ 97.03	876.38	0.11072	233,394
30	505,879	$ 154.75	1,056.03	0.14654	537,830	$ 145.84	1,134.06	0.12860	523,604	$ 134.94	1,100.11	0.12266	471,445	$ 127.63	980.14	0.13022	478,339
31	397,580	$ 160.71	1,236.12	0.13001	418,136	$ 175.77	1,289.64	0.13630	396,523	$ 152.33	1,214.08	0.12547	386,255	$ 157.57	1,160.34	0.13580	391,709
32	2,231,300	$ 125.95	1,048.68	0.12010	2,437,496	$ 122.73	1,140.33	0.10763	2,333,058	$ 127.14	1,077.13	0.11804	2,247,393	$ 113.42	1,020.58	0.11114	2,266,696
33	47,902	$ 132.81	1,011.10	0.13135	53,083	$ 141.48	1,091.70	0.12959	51,065	$ 111.59	1,023.18	0.10906	45,369	$ 97.98	945.42	0.10364	45,976
34	24,050	$ 147.05	997.59	0.14740	25,729	$ 147.78	1,092.25	0.13529	24,758	$ 126.36	1,047.82	0.12060	21,811	$ 118.04	933.05	0.12651	21,790
35	1,953,675	$ 129.70	1,057.96	0.12259	2,145,525	$ 143.98	1,140.38	0.12626	1,947,725	$ 125.37	1,018.83	0.12305	1,922,512	$ 121.37	984.18	0.12332	1,959,966
36	292,367	$ 137.32	1,128.90	0.12164	316,848	$ 153.62	1,218.07	0.12612	308,420	$ 140.75	1,177.89	0.11949	275,803	$ 130.43	1,051.30	0.12406	281,282
37	1,049,831	$ 133.42	922.58	0.14461	1,136,334	$ 129.92	993.98	0.13071	1,117,459	$ 121.81	972.10	0.12531	1,031,756	$ 105.07	891.17	0.11790	1,014,343
38	708,358	$ 150.63	1,210.00	0.12448	767,655	$ 170.48	1,315.20	0.12962	728,498	$ 153.84	1,253.14	0.12276	650,887	$ 145.56	1,119.01	0.13008	654,446
39	8,666,471	$ 153.57	1,229.50	0.12490	9,184,729	$ 154.96	1,293.87	0.11976	8,717,992	$ 139.11	1,219.13	0.11410	8,395,166	$ 132.40	1,159.05	0.11423	8,469,567
40	171,098	$ 120.17	899.74	0.13356	186,445	$ 134.12	982.18	0.13656	177,567	$ 126.95	941.66	0.13481	161,148	$ 121.30	851.55	0.14244	162,260
41	351,306	$ 162.28	1,050.24	0.15451	376,512	$ 146.80	1,124.06	0.13059	354,742	$ 128.35	1,056.42	0.12149	339,124	$ 130.86	1,005.49	0.13014	343,477
42	325,525	$ 153.21	1,092.95	0.14018	355,068	$ 152.46	1,191.28	0.12798	340,693	$ 149.42	1,147.67	0.13020	304,213	$ 138.16	1,028.48	0.13433	307,132
43	2,648,017	$ 144.89	1,221.51	0.11862	2,894,031	$ 155.63	1,331.34	0.11690	2,560,745	$ 140.31	1,174.52	0.11946	2,471,821	$ 136.72	1,131.38	0.12084	2,479,834
44	153,441	$ 155.36	1,345.83	0.11544	168,104	$ 170.80	1,474.60	0.11583	149,815	$ 161.43	1,328.15	0.12154	140,865	$ 151.25	1,249.73	0.12102	138,632
45													178,735	$ 149.79	1,310.80	0.11427	177,522

	DG	DH	DI	DJ	DM	DN	DO	DP	DS	DT	DU	DV	DY	DZ	EA	EB	EE
1	2013 Bills	2013 Usage	2013 Rates	2014 Megawatt Hours	2014 Bills	2014 Usage	2014 Rates	2015 Megawatt Hours	2015 Bills	2015 Usage	2015 Rates	2016 Megawatt Hours	2016 Bills	2016 Usage	2016 Rates	2017 Megawatt Hours	2017 Bills
2	$ 114.63	931.86	0.12302	41,430	$ 120.18	940.48	0.12778	43,175	$ 123.68	963.04	0.12843	44,900	$ 122.50	987.51	0.12405	42,300	$ 108.33
3	$ 137.00	1,030.88	0.13290	127,344	$ 142.79	1,046.45	0.13645	132,963	$ 144.91	1,078.79	0.13433	138,250	$ 139.66	1,117.66	0.12496	135,411	$ 138.99
4	$ 122.92	915.99	0.13419	346,220	$ 131.89	964.45	0.13676	344,602	$ 132.40	962.42	0.13757	354,842	$ 131.23	979.83	0.13393	342,777	$ 124.93
5	$ 143.33	1,156.62	0.12392	598,882	$ 152.06	1,223.27	0.12431	603,481	$ 143.37	1,212.95	0.11820	616,609	$ 137.19	1,205.38	0.11381	611,225	$ 134.38
6	$ 134.97	1,151.23	0.11724	2,134,428	$ 146.88	1,189.31	0.12350	2,158,661	$ 143.01	1,191.73	0.12000	2,228,015	$ 140.66	1,214.74	0.11579	2,194,296	$ 137.09
7	$ 128.72	1,170.99	0.10993	48,296	$ 127.56	1,184.77	0.10767	51,865	$ 130.07	1,257.15	0.10346	51,500	$ 124.76	1,251.21	0.09971	50,941	$ 129.40
8	$ 161.62	1,169.68	0.13818	134,781	$ 176.04	1,254.94	0.14028	133,289	$ 166.68	1,221.80	0.13642	135,195	$ 158.98	1,198.54	0.13265	135,089	$ 157.99
9	$ 133.64	1,183.58	0.11291	386,637	$ 145.18	1,215.24	0.11946	415,779	$ 145.99	1,293.23	0.11289	406,835	$ 130.81	1,254.87	0.10424	402,976	$ 136.74
10	$ 114.48	1,099.83	0.10409	55,224,658	$ 122.05	1,103.87	0.11056	59,117,632	$ 125.89	1,181.68	0.10654	58,573,164	$ 115.83	1,139.34	0.10167	57,997,255	$ 124.80
11	$ 129.44	1,036.40	0.12489	19,002,681	$ 141.67	1,053.07	0.13453	19,931,985	$ 143.50	1,089.46	0.13172	20,265,419	$ 129.75	1,093.80	0.11863	19,790,794	$ 129.87
12	$ 145.13	1,016.99	0.14271	310,218	$ 150.23	1,083.24	0.13869	303,644	$ 161.83	1,052.61	0.15375	303,654	$ 159.12	1,039.41	0.15309	291,500	$ 149.52
13	$ 98.66	764.39	0.12907	211,967	$ 96.40	764.44	0.12610	235,024	$ 98.53	845.11	0.11659	237,522	$ 102.62	852.40	0.12038	237,125	$ 102.91
14	$ 96.57	759.80	0.12711	772,836	$ 110.94	773.94	0.14334	799,153	$ 114.78	793.25	0.14469	822,237	$ 110.73	812.25	0.13632	806,074	$ 106.18
15	$ 144.61	959.00	0.15080	143,189	$ 148.03	966.42	0.15317	153,985	$ 156.64	1,027.64	0.15243	157,596	$ 152.50	1,048.88	0.14540	153,590	$ 150.13
16	$ 147.93	1,154.01	0.12819	44,668	$ 155.04	1,180.19	0.13137	52,121	$ 150.99	1,354.78	0.11145	50,922	$ 143.81	1,278.16	0.11251	48,653	$ 143.14
17	$ 137.74	1,106.02	0.12453	266,607	$ 150.40	1,197.37	0.12561	264,323	$ 146.37	1,172.77	0.12481	265,283	$ 139.81	1,155.07	0.12104	255,942	$ 137.42
18	$ 137.76	1,108.39	0.12429	5,362,423	$ 150.23	1,155.40	0.13002	5,364,991	$ 155.66	1,137.18	0.13688	5,357,623	$ 150.44	1,126.29	0.13357	5,229,276	$ 149.32
19	$ 120.50	940.17	0.12816	13,419	$ 127.86	997.55	0.12818	13,287	$ 114.75	993.94	0.11545	13,150	$ 109.07	969.76	0.11247	12,929	$ 109.14
20	$ 130.61	1,098.49	0.11890	274,117	$ 133.03	1,118.94	0.11889	294,059	$ 138.12	1,187.66	0.11629	301,456	$ 135.95	1,173.29	0.11587	311,290	$ 136.20
21	$ 150.10	1,209.16	0.12414	434,762	$ 152.79	1,241.86	0.12303	440,883	$ 151.87	1,236.67	0.12281	448,638	$ 147.31	1,253.61	0.11751	428,613	$ 138.97
22	$ 130.54	1,071.63	0.12182	5,162,233	$ 136.28	1,120.28	0.12165	5,197,183	$ 129.81	1,107.05	0.11726	5,350,812	$ 124.02	1,119.27	0.11081	5,195,715	$ 121.26
23	$ 147.99	1,118.49	0.13231	348,695	$ 146.84	1,149.44	0.12775	371,698	$ 144.63	1,213.89	0.11915	366,571	$ 146.64	1,197.71	0.12243	353,756	$ 146.32
24	$ 130.97	1,061.16	0.12343	741,059	$ 136.14	1,087.60	0.12518	785,853	$ 134.00	1,123.33	0.11929	833,290	$ 137.02	1,153.92	0.11874	827,838	$ 130.57
25	$ 102.66	838.88	0.12238	195,937	$ 88.87	736.20	0.12072	225,813	$ 90.71	824.26	0.11006	254,734	$ 90.00	920.83	0.09774	255,928	$ 88.07
26	$ 118.32	1,117.76	0.10585	1,399,962	$ 122.89	1,132.62	0.10850	1,468,152	$ 132.67	1,169.77	0.11342	1,472,627	$ 121.18	1,158.41	0.10461	1,460,335	$ 119.68
27	$ 123.80	1,054.14	0.11744	2,435,778	$ 125.60	1,086.86	0.11557	2,619,269	$ 126.37	1,151.22	0.10977	2,635,487	$ 117.40	1,143.75	0.10264	2,635,807	$ 122.60
28	$ 116.38	904.83	0.12862	207,701	$ 120.45	889.85	0.13536	217,868	$ 126.76	928.96	0.13645	227,297	$ 111.39	943.86	0.11802	227,627	$ 112.09
29	$ 94.41	858.09	0.11002	254,972	$ 98.11	920.01	0.10664	267,353	$ 101.35	951.87	0.10647	276,175	$ 101.04	953.74	0.10594	268,265	$ 96.39
30	$ 92.42	990.30	0.09332	490,711	$ 95.39	1,018.24	0.09368	511,045	$ 97.16	1,042.27	0.09322	532,247	$ 99.67	1,074.44	0.09277	509,389	$ 95.16
31	$ 158.16	1,148.33	0.13773	409,183	$ 159.92	1,116.30	0.14326	449,436	$ 164.63	1,173.45	0.14029	465,248	$ 156.05	1,166.95	0.13373	475,941	$ 151.23
32	$ 104.54	1,012.54	0.10324	2,257,492	$ 118.26	982.70	0.12034	2,429,876	$ 116.47	1,035.20	0.11251	2,490,811	$ 115.32	1,030.50	0.11191	2,473,322	$ 112.70
33	$ 116.35	965.56	0.12050	49,785	$ 115.47	1,052.98	0.10966	48,337	$ 103.04	1,031.78	0.09987	46,669	$ 102.75	992.11	0.10356		
34	$ 118.28	933.59	0.12670	22,714	$ 121.85	967.71	0.12591	23,280	$ 113.78	965.65	0.11783	24,208	$ 124.31	1,074.76	0.11566	23,156	$ 111.46
35	$ 120.83	974.89	0.12394	2,049,075	$ 125.83	992.19	0.12682	2,167,742	$ 126.72	1,024.91	0.12364	2,238,935	$ 121.59	1,041.21	0.11677	2,210,499	$ 120.09
36	$ 134.55	1,067.31	0.12606	293,414	$ 140.24	1,104.44	0.12698	288,008	$ 141.46	1,082.72	0.13065	295,924	$ 139.30	1,101.40	0.12648	285,767	$ 133.71
37	$ 102.54	870.13	0.11785	1,089,483	$ 109.56	926.57	0.11824	1,087,978	$ 107.47	915.74	0.11736	1,080,178	$ 99.63	900.12	0.11068	1,059,408	$ 97.68
38	$ 145.71	1,119.74	0.13013	688,932	$ 159.04	1,172.92	0.13559	673,963	$ 146.40	1,140.49	0.12837	669,116	$ 144.80	1,123.12	0.12893	646,531	$ 142.60
39	$ 127.31	1,151.00	0.11061	8,655,850	$ 134.59	1,156.25	0.11640	9,045,021	$ 136.43	1,186.26	0.11501	9,187,440	$ 133.54	1,184.76	0.11271	9,029,286	$ 127.09
40	$ 122.32	852.62	0.14346	170,355	$ 132.10	892.57	0.14800	166,900	$ 129.94	870.63	0.14924	168,227	$ 123.80	869.07	0.14245	162,988	$ 119.50
41	$ 139.21	1,013.53	0.13735	336,035	$ 133.05	984.15	0.13520	373,553	$ 142.18	1,080.77	0.13155	376,112	$ 137.02	1,081.98	0.12663	368,129	$ 130.78
42	$ 136.69	1,027.22	0.13307	325,821	$ 154.86	1,095.71	0.14133	318,525	$ 147.24	1,065.67	0.13816	314,893	$ 138.10	1,047.88	0.13179	303,880	$ 135.42
43	$ 136.73	1,130.77	0.12092	2,575,081	$ 144.08	1,164.55	0.12372	2,659,201	$ 146.70	1,186.21	0.12367	2,730,212	$ 139.43	1,199.34	0.11625	2,663,325	$ 131.60
44	$ 151.72	1,220.57	0.12430	144,762	$ 159.62	1,274.94	0.12520	144,199	$ 150.55	1,289.33	0.11677	148,251	$ 149.02	1,287.84	0.11571	145,662	$ 152.01
45	$ 156.04	1,284.38	0.12149	182,684	$ 168.23	1,305.86	0.12883	192,075	$ 165.01	1,346.99	0.12250	191,572	$ 143.92	1,301.62	0.11057	185,434	$ 139.78

	EF	EG	EH	EK	EL	EM	EN	EQ	ER	ES	ET	EW	EX	EY	EZ	FC	FD
1	2017 Usage	2017 Rates	2018 Megawatt Hours	2018 Bills	2018 Usage	2018 Rates	2019 Megawatt Hours	2019 Bills	2019 Usage	2019 Rates	2020 Megawatt Hours	2020 Bills	2020 Usage	2020 Rates	2021 Megawatt Hours	2021 Bills	2021 Usage
2	930.82	0.11638	45,011	$ 112.57	971.24	0.11591	44,764	$ 111.04	957.72	0.11594							
3	1,071.32	0.12974	138,228	$ 121.11	1,085.06	0.11161	146,477	$ 119.41	1,144.85	0.10430	150,108	$ 113.74	1,165.47	0.09759	151,804	$ 125.65	1,169.49
4	949.53	0.13157	367,098	$ 132.25	1,012.70	0.13059	363,220	$ 127.58	998.03	0.12783	382,845	$ 129.64	1,040.43	0.12460	373,386	$ 126.09	989.52
5	1,159.07	0.11594	668,113	$ 144.16	1,226.05	0.11758	672,068	$ 143.22	1,194.94	0.11985	707,089	$ 137.60	1,210.79	0.11365	719,763	$ 132.21	1,133.29
6	1,184.94	0.11569	2,270,492	$ 144.20	1,213.94	0.11878	2,262,772	$ 138.24	1,196.46	0.11554	2,367,495	$ 141.65	1,234.13	0.11477	2,286,541	$ 135.54	1,174.83
7	1,229.75	0.10522	51,339	$ 130.07	1,246.58	0.10434	51,833	$ 128.83	1,236.59	0.10418							
8	1,161.88	0.13598	146,459	$ 168.98	1,229.84	0.13740	151,325	$ 167.26	1,225.98	0.13643							
9	1,242.19	0.11008	402,886	$ 144.98	1,252.94	0.11572	422,213	$ 150.50	1,298.80	0.11587	448,251	$ 152.90	1,362.95	0.11219	443,309	$ 160.39	1,330.20
10	1,114.07	0.11202	59,106,811	$ 121.49	1,121.53	0.10832	60,338,973	$ 123.82	1,122.54	0.11030	63,817,760	$ 122.12	1,169.26	0.10444	61,845,981	$ 125.35	1,116.01
11	1,048.29	0.12388	20,635,601	$ 141.43	1,076.70	0.13135	20,775,080	$ 145.06	1,064.66	0.13625	21,458,693	$ 145.78	1,080.30	0.13494	21,194,790	$ 143.13	1,045.41
12	988.51	0.15126	317,473	$ 159.32	1,105.98	0.14406	306,446	$ 153.98	1,039.24	0.14817	303,916	$ 153.46	1,011.52	0.15171	304,210	$ 141.21	1,000.15
13	852.48	0.12072	240,456	$ 103.19	862.26	0.11967	242,356	$ 98.50	861.43	0.11434	257,993	$ 103.97	910.14	0.11423	250,486	$ 105.66	879.79
14	780.17	0.13610	833,940	$ 102.58	803.34	0.12769	837,470	$ 105.65	801.71	0.13178	850,316	$ 104.36	801.66	0.13018	838,564	$ 103.25	778.49
15	1,021.73	0.14694	158,887	$ 155.23	1,058.06	0.14671	162,254	$ 155.39	1,066.93	0.14564	175,100	$ 157.63	1,115.66	0.14128	171,017	$ 159.18	1,068.48
16	1,181.01	0.12121	51,936	$ 148.79	1,261.44	0.11795	53,464	$ 133.03	1,266.44	0.10504							
17	1,106.59	0.12418	263,200	$ 143.28	1,125.36	0.12732	274,962	$ 155.37	1,212.35	0.12816	274,074	$ 153.46	1,178.39	0.13023	277,174	$ 152.84	1,164.62
18	1,084.57	0.13768	5,519,379	$ 142.91	1,130.24	0.12644	5,519,757	$ 149.64	1,128.96	0.13254	5,500,768	$ 148.64	1,111.20	0.13376	5,399,907	$ 149.37	1,074.35
19	945.10	0.11548	13,855	$ 108.17	1,009.25	0.10718	14,134	$ 112.01	1,025.99	0.10917							
20	1,192.08	0.11425	319,942	$ 166.69	1,190.85	0.13998	331,661	$ 168.78	1,214.34	0.13899	359,694	$ 148.84	1,188.71	0.12521	370,494	$ 114.39	1,081.04
21	1,191.70	0.11661	446,930	$ 140.33	1,239.53	0.11321	448,208	$ 131.69	1,237.97	0.10637	448,350	$ 130.64	1,233.09	0.10594	439,751	$ 131.72	1,207.01
22	1,061.33	0.11425	5,460,245	$ 126.50	1,108.27	0.11414	5,478,867	$ 122.88	1,076.15	0.11418	5,679,034	$ 123.46	1,101.68	0.11207	5,550,534	$ 121.32	1,054.91
23	1,163.27	0.12578	353,116	$ 148.39	1,163.60	0.12752	378,163	$ 155.38	1,209.36	0.12848	389,295	$ 164.67	1,226.05	0.13431	381,492	$ 163.80	1,192.86
24	1,112.90	0.11732	864,038	$ 130.77	1,124.31	0.11631	915,636	$ 134.64	1,143.12	0.11778	956,188	$ 127.56	1,148.99	0.11102	977,954	$ 136.11	1,130.53
25	913.10	0.09646	253,196	$ 82.52	901.73	0.09151	257,339	$ 83.29	908.76	0.09166	269,963	$ 86.38	944.38	0.09146	262,810	$ 83.34	910.64
26	1,129.91	0.10592	1,524,443	$ 125.91	1,165.01	0.10808	1,539,686	$ 123.41	1,162.14	0.10619	1,612,266	$ 117.62	1,197.72	0.09820	1,597,345	$ 126.99	1,160.69
27	1,125.24	0.10896	2,750,609	$ 122.36	1,158.28	0.10564	2,875,266	$ 125.00	1,195.05	0.10460	3,071,749	$ 130.72	1,250.97	0.10450	3,077,225	$ 126.26	1,206.31
28	888.97	0.12609	249,521	$ 117.60	945.20	0.12441	255,157	$ 115.01	958.79	0.11995	266,606	$ 111.08	992.10	0.11196	266,714	$ 112.36	981.59
29	922.67	0.10447	281,667	$ 99.50	953.42	0.10436	285,657	$ 98.41	941.98	0.10447	305,199	$ 94.62	978.13	0.09674	301,038	$ 92.74	949.10
30	1,018.50	0.09343	532,411	$ 99.28	1,053.76	0.09422	537,008	$ 101.49	1,047.63	0.09687	557,510	$ 108.02	1,076.52	0.10034	547,723	$ 111.89	1,046.87
31	1,170.14	0.12925	507,173	$ 153.62	1,190.78	0.12901	545,985	$ 151.79	1,192.97	0.12723	608,779	$ 149.79	1,217.64	0.12302	622,693	$ 137.89	1,163.63
32	995.75	0.11318	2,587,797	$ 114.77	1,022.51	0.11225	2,600,463	$ 120.91	1,002.74	0.12058	2,755,558	$ 117.13	1,035.51	0.11311	2,707,351	$ 124.31	986.47
33							49,000	$ 124.28	1,065.03	0.11669							
34	942.68	0.11824	24,302	$ 116.23	994.19	0.11691	23,621	$ 108.74	953.23	0.11408							
35	1,009.60	0.11894	2,344,414	$ 125.32	1,045.96	0.11981	2,389,141	$ 123.72	1,037.56	0.11924	2,529,176	$ 130.61	1,067.77	0.12232	2,449,976	$ 126.55	1,006.78
36	1,050.23	0.12731	304,201	$ 142.57	1,104.72	0.12906	304,532	$ 139.23	1,086.93	0.12809	316,237	$ 135.73	1,097.36	0.12369	313,338	$ 131.61	1,062.00
37	874.78	0.11166	1,122,468	$ 104.61	913.51	0.11451	1,151,709	$ 103.25	921.92	0.11199	1,148,933	$ 100.64	904.71	0.11124	1,139,089	$ 103.67	892.81
38	1,080.34	0.13200	688,411	$ 152.66	1,141.55	0.13373	698,386	$ 155.35	1,153.55	0.13467	694,632	$ 149.51	1,120.04	0.13348	696,695	$ 141.21	1,110.20
39	1,141.11	0.11138	9,418,149	$ 131.25	1,158.21	0.11332	9,584,236	$ 127.44	1,165.76	0.10932	10,121,922	$ 121.69	1,207.59	0.10077	9,940,945	$ 135.13	1,161.65
40	828.65	0.14421	175,921	$ 125.96	885.27	0.14228	175,855	$ 124.93	871.47	0.14335	179,221	$ 120.87	868.12	0.13923	180,750	$ 119.49	856.26
41	1,048.23	0.12476	373,275	$ 138.55	1,055.52	0.13126											
42	1,006.13	0.13460	317,096	$ 141.34	1,045.24	0.13522	323,694	$ 145.24	1,087.29	0.13358	317,862	$ 143.19	1,057.85	0.13536	321,677	$ 137.41	1,057.54
43	1,149.99	0.11443	2,829,803	$ 142.03	1,202.40	0.11813	2,850,741	$ 139.68	1,184.04	0.11797	3,038,999	$ 141.50	1,239.77	0.11413	2,989,873	$ 136.18	1,194.26
44	1,216.53	0.12496	153,062	$ 155.16	1,272.08	0.12197	154,581	$ 157.33	1,266.39	0.12424	159,051	$ 158.35	1,284.08	0.12332	155,878	$ 153.15	1,236.54
45	1,250.43	0.11179	182,829	$ 146.28	1,185.85	0.12336	188,276	$ 142.31	1,220.32	0.11662	193,996	$ 142.04	1,324.46	0.10724	189,401	$ 150.45	1,226.85

	FE	FF	FI	FJ	FK
1	2021 Rates	2022 Megawatt Hours	2022 Bills	2022 Usage	2022 Rates
2					
3	0.10744				
4	0.12742				
5	0.11666				
6	0.11537				
7					
8					
9	0.12058				
10	0.11232	69,473,785	$ 153.33	1139.46	0.13467
11	0.13692	21,508,147	$ 161.58	1041.86	0.15545
12	0.14119	305,593	$ 146.03	997.81	0.14672
13	0.12009				
14	0.13263				
15	0.14898				
16					
17	0.13124				
18	0.13903				
19					
20	0.10582				
21	0.10913				
22	0.11501	5,723,164	$ 151.03	1066.23	0.14043
23	0.13732				
24	0.12039				
25	0.09152				
26	0.10941				
27	0.10467				
28	0.11447				
29	0.09772				
30	0.10688				
31	0.11850				
32	0.12601				
33					
34					
35	0.12570				
36	0.12393				
37	0.11611				
38	0.12719				
39	0.11632	10,109,074	$ 157.68	1154.67	0.13646
40	0.13955				
41					
42	0.12993				
43	0.11403				
44	0.12386				
45	0.12263				