



Matthew R. Bernier  
Associate General Counsel

September 2, 2020

**VIA ELECTRONIC FILING**

Adam J. Teitzman, Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

Re: *Fuel and purchased power cost recovery clause with generating performance incentive factor; Docket No. 20200001-EI*

Dear Mr. Teitzman:

On behalf of Duke Energy Florida, LLC ("DEF"), please find enclosed for electronic filing in the above referenced docket, DEF's REVISED Petition for Approval of Fuel Cost Recovery and Capacity Cost Recovery Actual/Estimated True-Up for the Period January 2020 Through December 2020; REVISED Direct Testimony of Christopher A. Menendez and REVISED Exhibit No. \_\_\_\_ (CAM-2).

- The Petition has been revised to reflect the actual/estimated over-recovery from \$61,597,021 to \$61,083,424.
- The Revised Direct Testimony of Christopher Menendez:
  - Page 2, line 21 and Page 3, line 1, the actual/estimated over-recovery from \$61,597,021 to \$61,083,424.
  - Page 3, line 1, the actual/estimated over-recovery from \$61,597,021 to \$61,083,424
- Revised Exhibit No. \_\_ (CAM-2): Schedules E1-B, E1-B-1, E2 and E3 included in the Act/Est Filing filed on July 27, 2020 were revised to reflect the following:
  - MWh reporting at Hines in April 2020
  - correct MWh reporting at Intercession City and make a small correction to jurisdictional MWh sales in June 2020
  - correct wholesale fuel expense allocation in August 2020

Thank you for your assistance in this matter. Please feel free to call me at (850) 521-1428 should you have any questions concerning this filing.

Respectfully,

*s/Matthew R. Bernier*

Matthew R. Bernier

MRB/mw  
Enclosures

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchase Power : DOCKET NO. 20200001-EI  
Cost Recovery Clause and Generating :  
Performance Incentive Factor : Filed: September 2, 2020

**REVISED**

**PETITION FOR APPROVAL OF FUEL COST RECOVERY AND CAPACITY COST  
RECOVERY ACTUAL/ESTIMATED TRUE-UP FOR THE PERIOD  
JANUARY 2020 THROUGH DECEMBER 2020 AND  
APPROVAL OF THIRD IMPLEMENTATION STIPULATION**

Duke Energy Florida, LLC (“DEF”) hereby petitions the Commission for approval of its actual/estimated Fuel and Purchased Power Cost Recovery True-Up of \$61,083,424 over-recovery, approval of its actual/estimated Capacity Cost Recovery true-up of \$463,084 under-recovery for the period January 2020 through December 2020, and approval of its Third Implementation Stipulation. In support of this petition, DEF states the following:

1. By Order No. PSC-99-2512-FOF-EI, dated December 22, 1999, utilities are directed to file current year estimated true-up data at least 90 days prior to each annual Fuel and Capacity Cost Recovery hearing. The hearing in this docket is scheduled for November 3 through 5, 2020.

2. The actual/estimated over-recovery of \$61,083,424 in the fuel cost recovery for the period January 2020 through December 2020 was calculated in accordance with the methodology set forth in Schedule 1, attached to Order 10093, dated June 19, 1981. It is based on actual data for the period January through June 2020 and re-estimated data for the period July through December 2020. The supporting documentation is contained in the prepared direct testimony and exhibits of DEF witness Christopher A. Menendez which is being filed together with this Petition.

3. The actual/estimated \$463,084 capacity under-recovery for the period January through December 2020 was calculated in accordance with the methodology set forth in Order No. 25773 dated February 24, 1992. It is based on actual data for the period January through June 2020 and re-estimated data for the period July through December 2020. The supporting documentation is contained in the prepared direct testimony and exhibits of DEF witness Christopher A. Menendez.

4. On September 12, 2019, The Florida Department of Revenue issued a Tax Information Publication (“TIP”) announcing that the Florida corporate income tax rate was reduced from 5.5 percent to 4.458 percent effective retroactive to January 1, 2019 and continuing through December 31, 2021. The TIP indicates that the Florida corporate income tax rate will return to 5.5 percent effective January 1, 2022.

5. DEF requests that the Commission consider and approve the Third Implementation Stipulation (“Stipulation”) attached as Appendix A to this Petition. Pursuant to that Stipulation, DEF and the signatories thereto request Commission authorization that Florida State Income Tax Reduction flow back to customers through the Capacity Cost Recovery clause.

6. The impact of the State Tax Rate Change is a \$2,793,306 annual reduction, for a three-year total of \$8,379,919. As stated in the Stipulation, the 2019 and 2020 amounts of totaling \$5,586,612 will be reflected in DEF’s Actual/Estimated Filing, and the remaining \$2,793,306 for 2021 included in DEF’s Projection Filing. Therefore, the entire \$8,379,919 reduction will be reflected in customer bills with the January 2021 billing cycle.

**WHEREFORE**, Duke Energy Florida, LLC respectfully requests the Commission:

1. Approve the \$61,083,424 over-recovery as the actual/estimated fuel cost recovery true-up amount for the period January through December 2020.

2. Approve the \$463,084 under-recovery as the actual/estimated capacity cost recovery true-up amount for the period January through December 2020.
3. Approve the Stipulation attached as Appendix A, authorizing the Florida State Income Tax Reduction flow back to customers through the Capacity Cost Recovery clause.

Respectfully,

*s/Matthew R. Bernier*

**DIANNE M. TRIPLETT**

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## CERTIFICATE OF SERVICE

Docket No. 20200001-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 2<sup>nd</sup> day of September, 2020.

s/ Matthew R. Bernier

Attorney

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1 **DUKE ENERGY FLORIDA, LLC**

2 **DOCKET No. 20200001-EI**

3 **Fuel and Capacity Cost Recovery**  
4 **Actual/Estimated True-Up Amounts**  
5 **January 2020 through December 2020**

6 **DIRECT TESTIMONY OF**  
7 **Christopher A. Menendez**

8 **September 2, 2020**

9 **REVISED**

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11 **Q. Please state your name and business address.**

12 A. My name is Christopher A. Menendez. My business address is 299 1<sup>st</sup>  
13 Avenue North, St. Petersburg, Florida 33701.

14  
15 **Q. Have you previously filed testimony before this Commission in**  
16 **Docket No. 20200001-EI?**

17 A. Yes. I provided direct testimony on March 2, 2020.

18  
19 **Q: Has your job description, education, background and professional**  
20 **experience changed since that time?**

21 A. No.

22  
23 **Q. What is the purpose of your testimony?**

24 A. The purpose of my testimony is to present for Commission approval the  
25 actual/estimated fuel and capacity cost recovery true-up amounts of Duke

1 Energy Florida, LLC (“DEF” or the “Company”) for the period of January  
2 through December 2020.

3

4 **Q. Do you have an exhibit to your testimony?**

5 A. Yes. I have prepared Exhibit No. \_\_\_ (CAM-2), which is attached to my  
6 prepared testimony, consisting of two parts. Part 1 consists of Schedules  
7 E1-B through E9, which include the calculation of the 2020  
8 actual/estimated fuel and purchased power true-up balance, and a  
9 schedule to support the capital structure components and cost rates relied  
10 upon to calculate the return requirements on all capital projects recovered  
11 through the fuel clause as required per Order No. PSC-2020-0041-PCO-  
12 EI. Part 2 consists of Schedules E12-A through E12-C, which include the  
13 calculation of the 2020 actual/estimated capacity true-up balance. The  
14 calculations in my exhibit are based on actual data from January through  
15 June 2020 and estimated data from July through December 2020.

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## FUEL COST RECOVERY

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19 **Q. What is the amount of DEF’s 2020 estimated fuel true-up balance and**  
20 **how was it developed?**

21 A. DEF’s estimated fuel true-up balance is an over-recovery of \$61,083,424.  
22 The calculation begins with the actual under-recovered balance of  
23 \$33,527,567 taken from Schedule A2, page 2 of 2, line 13, for the month  
24 of June 2020. This balance plus the estimated July through December



1 2020 monthly true-up calculations comprise the estimated \$61,083,424  
2 over-recovered balance at year-end. The projected December 2020 true-  
3 up balance includes interest which is estimated from July through  
4 December 2020 based on the average of the beginning and ending  
5 commercial paper rate applied in June. That rate is 0.8% per month.

6

7 **Q. How does the current forecast of fuel costs on Schedule E3 for July**  
8 **through December 2020 compare with the same period forecast used**  
9 **in the Company's Midcourse Correction approved in Order No. PSC-**  
10 **2020-0154-PCO-EI?**

11 A. Light oil and natural gas decreased \$10.96/mmbtu (-35%) and  
12 \$0.36/mmbtu (-10%), respectively. Coal increased \$0.13/mmbtu (4%).

13

14 **Q. Have any adjustments been made to estimated fuel costs for the**  
15 **period January through December 2020?**

16 A. Yes. Consistent with Order No. PSC-2018-0240-PAA-EQ dated June 8,  
17 2018, DEF included an adjustment of approximately \$13.5 million (grossed  
18 up to approximately \$13.6 million from retail to system) for the amortization  
19 of Florida Power Development, LLC qualifying facility regulatory asset  
20 from January 2020 through December 2020 partially offset by an  
21 approximate \$13.3 million system (\$13.2 million retail) credit related to  
22 Citrus. These adjustments are included on Schedule E1-B, line A5,  
23 columns Jan Actual through Dec Estimated.

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**Q. Does DEF expect to exceed the three-year rolling average gain on non-separated power sales in 2020?**

A. No. DEF estimates the total gain on non-separated sales during 2020 will be \$1,128,563, which does not exceed the three-year rolling average of \$1,602,141.

**CAPACITY COST RECOVERY**

**Q. What is DEF's 2020 estimated capacity true-up balance and how was it developed?**

A. DEF's estimated capacity true-up balance is an under-recovery of \$463,084. The estimated true-up calculation begins with the actual under-recovered balance of \$9,343,508 for the month of June 2020. This balance plus the estimated July through December 2020 monthly true-up calculations comprise the estimated \$463,084 under-recovered balance at year-end. The projected December 2020 true-up balance includes interest which is estimated from July through December 2020 based on the average of the beginning and ending commercial paper rate applied in June. That rate is 0.8% per month.

**Q. What are the primary drivers of the estimated year-end 2020 capacity under-recovery?**

1 A. The \$0.5 million under-recovery is primarily attributable to approximately  
2 \$5.4 million lower revenues offset by approximately \$5.6 million related to  
3 Florida state income tax change.

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5 **Q. Does this conclude your testimony?**

6 A. Yes.

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REVISED

Duke Energy Florida, LLC  
Calculation of Estimated True-Up  
6 Months Actual and 6 Months Estimated  
January 2020 - December 2020

	Jan Actual	Feb Actual	Mar Actual	Apr Actual	May Actual	Jun Actual	6 Month Sub-Total
A 1 Fuel Cost of System Generation	\$ 74,992,301	\$ 65,717,824	\$ 73,293,028	\$ 70,415,016	\$ 87,128,507	\$ 89,708,430	\$ 461,255,106
2 Fuel Cost of Power Sold	(1,105,818)	(1,159,871)	(1,312,152)	(2,612,318)	(5,495,100)	(6,606,107)	(18,291,367)
3 Fuel Cost of Purchased Power	1,777,132	3,137,635	6,173,029	1,917,858	6,444,417	9,797,876	29,247,948
3a Demand and Non-Fuel Cost of Purchased Power							-
3b Energy Payments to Qualified Facilities	7,319,413	7,093,012	5,551,577	5,410,902	7,518,681	7,427,850	40,321,435
4 Energy Cost of Economy Purchases	143,759	406,521	1,053,448	485,384	407,645	188,921	2,685,678
5 Adjustments to Fuel Cost	(12,011,163)	1,119,402	1,152,738	1,147,328	1,142,435	1,139,918	(6,309,342)
6 TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Through A5)	<u>71,115,625</u>	<u>76,314,523</u>	<u>85,911,668</u>	<u>76,764,171</u>	<u>97,146,585</u>	<u>101,656,887</u>	<u>508,909,459</u>
B 1 Jurisdictional mWh Sales	2,640,090	2,661,152	2,818,044	3,239,130	2,981,766	3,450,388	17,790,571
2 Non-Jurisdictional mWh Sales	14,426	18,358	26,409	25,344	19,970	25,961	130,469
3 TOTAL SALES (Lines B1 + B2)	<u>2,654,517</u>	<u>2,679,511</u>	<u>2,844,453</u>	<u>3,264,474</u>	<u>3,001,736</u>	<u>3,476,349</u>	<u>17,921,039</u>
4 Jurisdictional % of Total Sales (Line B1/B3)	99.46%	99.31%	99.07%	99.22%	99.33%	99.25%	99.27%
C 1 Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	85,968,564	86,669,575	91,874,742	103,746,698	25,329,422	115,589,082	509,178,083
2 True-Up Provision	(1,205,224)	(1,205,224)	(1,205,224)	(1,205,224)	77,026,561	(1,205,224)	71,000,441
2a Incentive Provision	(215,975)	(215,975)	(215,975)	(215,975)	(215,975)	(215,975)	(1,295,850)
3 FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Through C2a)	<u>84,547,365</u>	<u>85,248,376</u>	<u>90,453,543</u>	<u>102,325,499</u>	<u>102,140,008</u>	<u>114,167,883</u>	<u>578,882,674</u>
4 Fuel & Net Power Transactions (Line A6)	71,115,625	76,314,523	85,911,668	76,764,171	97,146,585	101,656,887	508,909,459
5 Jurisdictional Total Fuel Costs & Net Power Transactions (Line A6 * Line B4 * Line Loss Multiplier)	<u>70,755,650</u>	<u>75,811,447</u>	<u>85,139,074</u>	<u>76,189,021</u>	<u>96,525,617</u>	<u>100,925,738</u>	<u>505,346,546</u>
6 Over/(Under) Recovery (Line C3 - Line C5)	13,791,715	9,436,929	5,314,469	26,136,477	5,614,392	13,242,145	73,536,127
7 Interest Provision	(38,474)	(20,905)	(11,239)	9,273	(736)	(3,260)	(65,341)
8 TOTAL ESTIMATED TRUE-UP FOR THE PERIOD	<u>13,753,241</u>	<u>9,416,023</u>	<u>5,303,230</u>	<u>26,145,750</u>	<u>5,613,656</u>	<u>13,238,886</u>	<u>73,470,786</u>
9 Plus: Prior Period Balance	(35,997,914)	(35,997,914)	(35,997,914)	(35,997,914)	(35,997,914)	(35,997,914)	(35,997,914)
10 Plus: Cumulative True-Up Provision	1,205,224	2,410,448	3,615,672	4,820,896	(72,205,665)	(71,000,441)	(71,000,441)
11 Subtotal Prior Period True-up	<u>(34,792,690)</u>	<u>(33,587,466)</u>	<u>(32,382,242)</u>	<u>(31,177,018)</u>	<u>(108,203,579)</u>	<u>(106,998,355)</u>	<u>(106,998,355)</u>
12 Regulatory Accounting Adjustment	-	-	-	-	-	-	-
13 TOTAL TRUE-UP BALANCE	<u>(\$21,039,449)</u>	<u>(10,418,201)</u>	<u>(\$3,909,747)</u>	<u>\$23,441,227</u>	<u>(\$47,971,678)</u>	<u>(\$33,527,567)</u>	<u>(33,527,567)</u>

REVISED

Duke Energy Florida, LLC  
Calculation of Estimated True-Up  
6 Months Actual and 6 Months Estimated  
January 2020 - December 2020

	Jul Estimated	Aug Estimated	Sep Estimated	Oct Estimated	Nov Estimated	Dec Estimated	12 Month Period
A 1 Fuel Cost of System Generation	\$ 91,270,574	\$ 102,001,873	\$ 96,405,019	\$ 90,833,949	\$ 85,974,737	\$ 97,148,448	\$ 1,024,889,706
2 Fuel Cost of Power Sold	(7,409,067)	(8,021,690)	(7,971,710)	(7,577,999)	(2,497,439)	(2,446,122)	(54,215,393)
3 Fuel Cost of Purchased Power	8,533,384	4,575,768	3,696,906	4,358,593	1,085,538	174,484	51,672,621
3a Demand and Non-Fuel Cost of Purchased Power							0
3b Energy Payments to Qualified Facilities	8,407,595	8,411,122	7,949,571	7,091,011	8,225,712	9,032,312	89,438,758
4 Energy Cost of Economy Purchases	177,886	113,649	178,038	128,590	91,292	125,383	3,500,516
5 Adjustments to Fuel Cost	1,136,872	1,651,425	1,124,387	1,120,886	1,117,160	1,113,548	954,935
6 TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Through A5)	<u>102,117,245</u>	<u>108,732,147</u>	<u>101,382,212</u>	<u>95,955,030</u>	<u>93,997,000</u>	<u>105,148,053</u>	<u>1,116,241,144</u>
B 1 Jurisdictional mWh Sales	3,923,462	3,994,662	3,898,898	3,525,887	2,811,544	2,776,042	38,721,066
2 Non-Jurisdictional mWh Sales	36,956	37,435	17,800	16,080	12,182	11,792	262,713
3 TOTAL SALES (Lines B1 + B2)	<u>3,960,418</u>	<u>4,032,097</u>	<u>3,916,698</u>	<u>3,541,967</u>	<u>2,823,725</u>	<u>2,787,834</u>	<u>38,983,778</u>
4 Jurisdictional % of Total Sales (Line B1/B3)	99.07%	99.07%	99.55%	99.55%	99.57%	99.58%	99.33%
C 1 Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	131,162,478	133,542,731	130,341,300	117,871,449	93,990,725	92,803,906	1,208,890,671
2 True-Up Provision	(1,205,224)	(1,205,224)	(1,205,224)	(1,205,224)	(1,205,224)	(1,205,224)	63,769,102
2a Incentive Provision	(215,975)	(215,975)	(215,975)	(215,975)	(215,975)	(215,972)	(2,591,697)
3 FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Through C2a)	<u>129,741,279</u>	<u>132,121,532</u>	<u>128,920,101</u>	<u>116,450,250</u>	<u>92,569,526</u>	<u>91,382,710</u>	<u>1,270,068,076</u>
4 Fuel & Net Power Transactions (Line A6)	102,117,245	108,732,147	101,382,212	95,955,030	93,997,000	105,148,053	1,116,241,144
5 Jurisdictional Total Fuel Costs & Net Power Transactions (Line A6 * Line B4 * Line Loss Multiplier)	<u>101,198,916</u>	<u>107,754,331</u>	<u>100,957,279</u>	<u>95,552,845</u>	<u>93,621,826</u>	<u>104,738,890</u>	<u>1,109,170,633</u>
6 Over/(Under) Recovery (Line C3 - Line C5)	28,542,363	24,367,201	27,962,822	20,897,406	(1,052,301)	(13,356,180)	160,897,438
7 Interest Provision	(1,489)	724	2,914	4,965	5,854	5,375	(46,998)
8 TOTAL ESTIMATED TRUE-UP FOR THE PERIOD	<u>28,540,875</u>	<u>24,367,925</u>	<u>27,965,736</u>	<u>20,902,370</u>	<u>(1,046,446)</u>	<u>(13,350,805)</u>	<u>160,850,440</u>
9 Plus: Prior Period Balance	(35,997,914)	(35,997,914)	(35,997,914)	(35,997,914)	(35,997,914)	(35,997,914)	(35,997,914)
10 Plus: Cumulative True-Up Provision	<u>(69,795,217)</u>	<u>(68,589,993)</u>	<u>(67,384,769)</u>	<u>(66,179,545)</u>	<u>(64,974,321)</u>	<u>(63,769,101)</u>	<u>(63,769,101)</u>
11 Subtotal Prior Period True-up	(105,793,131)	(104,587,907)	(103,382,683)	(102,177,459)	(100,972,235)	(99,767,015)	(99,767,015)
12 Regulatory Accounting Adjustment	-	-	-	-	-	-	-
13 TOTAL TRUE-UP BALANCE	<u>(\$3,781,471)</u>	<u>\$21,791,678</u>	<u>\$50,962,638</u>	<u>\$73,070,232</u>	<u>\$73,229,010</u>	<u>\$61,083,424</u>	<u>61,083,424</u>

**REVISED**

Duke Energy Florida, LLC  
 Comparison of Actual/Estimated vs. Midcourse Projections  
 of the Fuel and Purchased Power Cost Recovery Factor  
 Estimated for the Period of : January 2020 through December 2020

	DOLLARS				mWh				c/kWh			
	Actual/ Estimated	Midcourse Filing	Difference		Actual/ Estimated	Midcourse Filing	Difference		Actual/ Estimated	Midcourse Filing	Difference	
			Amount	%			Amount	%			Amount	%
1 Fuel Cost of System Net Generation (E3)	1,024,889,706	1,087,091,668	(62,201,962)	-6%	40,030,421	40,152,481	(122,059)	0%	2.560	2.707	-0.147	-5%
2 Coal Car Investment	-	0	-	0%			-	0%	0.000	0.000	0.000	0%
3 Adjustment to Fuel Cost	954,935	413,590	541,345	0%			-	0%	0.000	0.000	0.000	0%
4 TOTAL COST OF GENERATED POWER	1,025,844,641	1,087,505,258	(61,660,617)	-6%	40,030,421	40,152,481	(122,059)	0%	2.563	2.708	-0.146	-5%
5 Energy Cost of Purchased Power (Excl. Econ & Cogens) (E7)	51,672,621	25,787,425	25,885,195	100%	1,630,664	882,444	748,220	85%	3.169	2.922	0.247	8%
6 Energy Cost of Economy Purchases (E9)	3,500,516	1,726,221	1,774,295	103%	110,373	50,421	59,951	119%	3.172	3.424	-0.252	-7%
7 Payments to Qualifying Facilities (E8)	89,438,758	106,557,841	(17,119,083)	-16%	2,568,222	2,774,335	(206,113)	-7%	3.483	3.841	-0.358	-9%
8 TOTAL COST OF PURCHASED POWER	144,611,896	134,071,488	10,540,408	8%	4,309,258	3,707,201	602,057	16%	3.356	3.617	-0.261	-7%
9 TOTAL AVAILABLE mWh (LINE 4 + LINE 8)			-		44,339,679	43,859,681	479,998	1%	0.000	0.000	0.000	0%
10 Fuel Cost of Economy Sales (E6)	(3,909,810)	(5,636,579)	1,726,770	-31%	(132,558)	(172,089)	39,531	-23%	2.950	3.275	-0.326	-10%
10a Gain on Economy Sales (E6)	(1,128,563)	(1,481,447)	352,885	-24%	(132,558)	(172,089)	39,531	-23%	0.851	0.861	-0.009	-1%
10b Gain on Total Power Sales - 20% (E6)	0	0	-	100%			-	0%	0.000	0.000	0.000	0%
11 Fuel Cost of Stratified Sales (E6)	(49,177,021)	(23,571,099)	(25,605,921)	109%	(2,626,604)	(1,245,606)	(1,380,998)	111%	1.872	1.892	-0.020	-1%
12 TOTAL FUEL COST AND GAINS OF POWER SALES (LINES 10 + 10a + 10b + 11)	(54,215,393)	(30,689,126)	(23,526,267)	77%	(2,759,161)	(1,417,695)	(1,341,467)	95%	1.965	2.165	-0.200	-9%
13 Net Inadvertent Interchange					110,445	33,592	76,853					
14 TOTAL FUEL & NET POWER TRANSACTIONS (LINES 4 + 8 + 12 + 13)	1,116,241,144	1,190,887,620	(74,646,476)	-6%	41,690,963	42,475,579	(784,616)	-2%	2.677	2.804	-0.126	-5%
15 Net Unbilled					25,568	(227,858)	253,426	-111%	0.000	0.000	0.000	0%
16 Company Use					(165,751)	(181,976)	16,225	-9%	0.000	0.000	0.000	0%
17 T & D Losses					(2,567,001)	(2,786,714)	219,713	-8%	0.000	0.000	0.000	0%
18 SYSTEM mWh SALES	1,116,241,144	1,190,887,620	(74,646,476)	-6%	38,983,778	39,279,031	(295,252)	-1%	2.863	3.032	-0.169	-6%
19 Wholesale mWh Sales	(7,416,368)	(5,670,272)	(1,746,097)	31%	(262,713)	(186,476)	(76,237)	41%	2.823	3.041	-0.218	-7%
20 Jurisdictional mWh Sales	1,108,824,776	1,185,217,348	(76,392,573)	-6%	38,721,066	39,092,555	(371,489)	-1%	2.864	3.032	-0.168	-6%
20a Jurisdictional Loss Multiplier	1.00031	1.00031	0.00000	0%	1.00031	1.00034	-0.00003	0%				
21 Jurisdictional Sales Adjusted for Line Losses	1,109,170,633	1,185,586,888	(76,416,254)	-6%	38,721,066	39,092,555	(371,489)	-1%	2.865	3.033	-0.168	-6%
22 TRUE-UP	(61,083,424)	(77,026,561)	15,943,138	-21%	38,721,066	39,092,555	(371,489)	-1%	(0.158)	(0.197)	0.039	-20%
23 TOTAL JURISDICTIONAL FUEL COST	1,048,087,210	1,108,560,327	(60,473,117)	-5%	38,721,066	39,092,555	(371,489)	-1%	2.707	2.836	-0.129	-5%
24 Revenue Tax Factor	754,623	741,837	12,786	2%								
25 Fuel Factor Adjusted for Taxes	1,048,841,833	1,109,302,163	(60,460,330)	-5%	38,721,066	39,092,555	(371,489)	-1%	2.709	2.838	-0.129	-5%
26 GPIF **	2,591,697	2,591,697	-	0%	38,721,066	39,092,555	(371,489)	-1%	0.007	0.007	0.000	1%
27 Fuel Factor Adjusted for Taxes Including GPIF	1,051,433,530	1,111,893,860	(60,460,330)	-5%	38,721,066	39,092,555	(371,489)	-1%	2.715	2.844	-0.129	-5%
28 FUEL FACTOR ROUNDED TO NEAREST .001 c/kWh									2.715	2.844	-0.129	-5%

Duke Energy Florida, LLC  
 Fuel and Purchased Power Cost Recovery Clause  
 Estimated for the Period of : January 2020 through December 2020

		Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Estimated Jul-20	Estimated Aug-20	Estimated Sep-20	Estimated Oct-20	Estimated Nov-20	Estimated Dec-20	TOTAL
1	Fuel Cost of System Net Generation	\$74,992,301	\$65,717,824	\$73,293,028	\$70,415,016	\$87,128,507	\$89,708,430	\$91,270,574	\$102,001,873	\$96,405,019	\$90,833,949	\$85,974,737	\$97,148,448	\$1,024,889,706
1a	Adjustments to Fuel Cost	(12,011,163)	1,119,402	1,152,738	1,147,328	1,142,435	1,139,918	1,136,872	1,651,425	1,124,387	1,120,886	1,117,160	1,113,548	954,935
2	Fuel Cost of Power Sold	(65,028)	(82,184)	(46,687)	(85,510)	(64,389)	(211,899)	(666,950)	(893,645)	(640,967)	(258,600)	(269,399)	(624,551)	(3,909,810)
2a	Gains on Power Sales	(13,997)	(27,685)	(18,959)	(42,464)	(13,643)	(161,310)	(169,119)	(226,601)	(162,530)	(65,574)	(68,312)	(158,368)	(1,128,563)
2b	Gain on Total Power Sales - 20%	0	0	0	0	0	0	0	0	0	0	0	0	0
2c	Fuel Cost of Stratified Sales	(1,026,793)	(1,050,002)	(1,246,506)	(2,484,344)	(5,417,069)	(6,232,898)	(6,572,998)	(6,901,444)	(7,168,213)	(7,253,825)	(2,159,728)	(1,663,203)	(49,177,021)
3	Fuel Cost of Purchased Power (Excl Economy)	1,777,132	3,137,635	6,173,029	1,917,858	6,444,417	9,797,876	8,533,384	4,575,768	3,696,906	4,358,593	1,085,538	174,484	51,672,621
3a	Energy Payments to Qualifying Facilities	7,319,413	7,093,012	5,551,577	5,410,902	7,518,681	7,427,850	8,407,595	8,411,122	7,949,571	7,091,011	8,225,712	9,032,312	89,438,758
4	Energy Cost of Economy Purchases	143,759	406,521	1,053,448	485,384	407,645	188,921	177,886	113,649	178,038	128,590	91,292	125,383	3,500,516
5	Total System Fuel & Net Power Transactions	\$71,115,625	\$76,314,523	\$85,911,668	\$76,764,171	\$97,146,585	\$101,656,887	\$102,117,245	\$108,732,147	\$101,382,212	\$95,955,030	\$93,997,000	\$105,148,053	\$1,116,241,144
6	Jurisdictional MWH Sold	2,640,090	2,661,152	2,818,044	3,239,130	2,981,766	3,450,388	3,923,462	3,994,662	3,898,898	3,525,887	2,811,544	2,776,042	38,721,066
7	Jurisdictional % of Total Sales	99.46%	99.31%	99.07%	99.22%	99.33%	99.25%	99.07%	99.07%	99.55%	99.55%	99.57%	99.58%	99.33%
8	Jurisdictional Fuel & Net Power Transactions	70,731,601	75,787,953	85,112,689	76,165,410	96,495,703	100,894,461	101,167,554	107,720,938	100,925,992	95,523,232	93,592,813	104,706,431	1,108,824,776
9	Jurisdictional Loss Multiplier	1.00034	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031
10	Jurisdictional Fuel & Net Power Transactions	70,755,650	75,811,447	85,139,074	76,189,021	96,525,617	100,925,738	101,198,916	107,754,331	100,957,279	95,552,845	93,621,826	104,738,890	1,109,170,633
11	Adjusted System Sales	MWH 2,654,517	2,679,511	2,844,453	3,264,474	3,001,736	3,476,349	3,960,418	4,032,097	3,916,698	3,541,967	2,823,725	2,787,834	38,983,778
12	System Cost per MWH Sold	c/kwh 2.6791	2.8480	3.0203	2.3515	3.2363	2.9242	2.5784	2.6967	2.5885	2.7091	3.3288	3.7717	2.8633
13	Jurisdictional Loss Multiplier	x 1.00034	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031
14	Jurisdictional Cost per MWH Sold	c/kwh 2.6800	2.8488	3.0212	2.3521	3.2372	2.9251	2.5793	2.6975	2.5894	2.7100	3.3299	3.7730	2.8645
15	Prior Period True-Up	+ 0.0457	0.0453	0.0428	0.0372	-2.5833	0.0349	0.0307	0.0302	0.0309	0.0342	0.0429	0.0434	-0.1578
16	Total Jurisdictional Fuel Expense	c/kwh 2.7257	2.8941	3.0640	2.3894	0.6539	2.9600	2.6100	2.7276	2.6203	2.7442	3.3728	3.8164	2.7068
17	Revenue Tax Multiplier	x 1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072
18	Recovery Factor Adjusted for Taxes	c/kwh 2.7277	2.8962	3.0662	2.3911	0.6544	2.9621	2.6119	2.7296	2.6222	2.7462	3.3752	3.8191	2.7087
19	GPIF	+ 0.0082	0.0081	0.0077	0.0067	0.0072	0.0063	0.0055	0.0054	0.0055	0.0061	0.0077	0.0078	0.0067
20	Total Recovery Factor (rounded .001)	c/kwh 2.736	2.904	3.074	2.398	0.662	2.968	2.617	2.735	2.628	2.752	3.383	3.827	2.715

Duke Energy Florida, LLC  
 Generating System Comparative Data by Fuel Type  
 Estimated for the Period of : January 2020 through December 2020

REVISED

		Actual	Actual	Actual	Actual	Actual	Actual	
		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Subtotal
<b>FUEL COST OF SYSTEM NET GENERATION (\$)</b>								
1	LIGHT OIL	203,121	504,375	586,296	533,872	1,319,347	1,497,965	4,644,976
2	COAL	0	0	1,557,446	5,697,251	12,417,961	12,347,466	32,020,124
3	GAS	74,789,181	65,213,448	71,149,285	64,183,893	73,391,199	75,863,000	424,590,006
4	OTHER	0	0	0	0	0	0	0
5	TOTAL \$	74,992,301	65,717,824	73,293,028	70,415,016	87,128,507	89,708,430	461,255,106
<b>SYSTEM NET GENERATION (MWH)</b>								
6	LIGHT OIL	1,107	1,773	553	1,343	503	1,913	7,191
7	COAL	0	0	35,102	147,016	313,029	303,866	799,013
8	GAS	2,772,351	2,536,287	2,953,481	2,756,018	2,944,556	3,417,419	17,380,112
9	SOLAR	30,015	31,310	52,320	61,887	83,741	76,819	336,092
10	OTHER	0	0	0	0	0	0	0
11	TOTAL MWH	2,803,473	2,569,370	3,041,455	2,966,264	3,341,829	3,800,017	18,522,409
<b>UNITS OF FUEL BURNED</b>								
12	LIGHT OIL BBL	1,792	4,616	5,425	4,760	10,138	12,892	39,623
13	COAL TON	0	0	17,493	61,653	140,193	143,523	362,862
14	GAS MCF	19,744,076	18,695,068	22,283,497	20,472,403	21,849,351	25,649,038	128,693,433
15	OTHER BBL	0	0	0	0	0	0	0
<b>BTUS BURNED (MMBTU)</b>								
16	LIGHT OIL	10,335	26,645	31,140	27,431	12,906	74,337	182,794
17	COAL	0	0	378,584	1,510,745	3,387,063	3,361,596	8,637,987
18	GAS	20,233,462	19,176,786	22,873,368	21,041,082	22,399,972	26,195,265	131,919,936
19	OTHER	0	0	0	0	0	0	0
20	TOTAL MMBTU	20,243,797	19,203,431	23,283,091	22,579,258	25,799,940	29,631,198	140,740,717
<b>GENERATION MIX (% MWH)</b>								
21	LIGHT OIL	0.04%	0.07%	0.02%	0.05%	0.02%	0.05%	0.04%
22	COAL	0.00%	0.00%	1.15%	4.96%	9.37%	8.00%	4.31%
23	GAS	98.89%	98.71%	97.11%	92.91%	88.11%	89.93%	93.83%
24	SOLAR	1.07%	1.22%	1.72%	2.09%	2.51%	2.02%	1.82%
25	OTHER	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
26	TOTAL %	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
<b>FUEL COST PER UNIT</b>								
27	LIGHT OIL \$/BBL	113.35	109.27	108.07	112.16	130.14	116.19	117.23
28	COAL \$/TON	0.00	0.00	89.03	92.41	88.58	86.03	88.24
29	GAS \$/MCF	3.79	3.49	3.19	3.14	3.36	2.96	3.30
30	OTHER \$/BBL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>FUEL COST PER MMBTU (\$/MMBTU)</b>								
31	LIGHT OIL	19.65	18.93	18.83	19.46	102.23	20.15	25.41
32	COAL	0.00	0.00	4.11	3.77	3.67	3.67	3.71
33	GAS	3.70	3.40	3.11	3.05	3.28	2.90	3.22
34	OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	TOTAL \$/MMBTU	3.70	3.42	3.15	3.12	3.38	3.03	3.28
<b>BTU BURNED PER KWH (BTU/KWH)</b>								
36	LIGHT OIL	9,335	15,028	56,361	20,422	25,677	38,859	25,418
37	COAL	0	0	10,785	10,276	10,820	11,063	10,811
38	GAS	7,298	7,561	7,745	7,635	7,607	7,665	7,590
39	OTHER	0	0	0	0	0	0	0
40	TOTAL BTU/KWH	7,221	7,474	7,655	7,612	7,720	7,798	7,598
<b>GENERATED FUEL COST PER KWH (C/KWH)</b>								
41	LIGHT OIL	18.35	28.45	106.11	39.75	262.50	78.31	64.59
42	COAL	0.00	0.00	4.44	3.88	3.97	4.06	4.01
43	GAS	2.70	2.57	2.41	2.33	2.49	2.22	2.44
44	OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	TOTAL C/KWH	2.67	2.56	2.41	2.37	2.61	2.36	2.49



**REVISED**

		Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	
		Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Total
<b>FUEL COST OF SYSTEM NET GENERATION (\$)</b>								
1	LIGHT OIL	932,159	913,933	1,011,462	950,529	762,685	1,124,178	10,339,922
2	COAL	8,114,040	16,311,312	14,289,480	16,111,023	18,889,783	22,074,322	127,810,084
3	GAS	82,224,375	84,776,628	81,104,077	73,772,397	66,322,269	73,949,948	886,739,700
4	OTHER	0	0	0	0	0	0	0
5	TOTAL	\$ 91,270,574	102,001,873	96,405,019	90,833,949	85,974,737	97,148,448	1,024,889,706
<b>SYSTEM NET GENERATION (MWH)</b>								
6	LIGHT OIL	3,405	3,262	3,576	3,167	3,078	4,162	27,842
7	COAL	172,937	397,784	347,442	408,473	514,959	645,873	3,286,481
8	GAS	3,816,510	3,771,802	3,544,614	3,000,650	2,205,798	2,235,990	35,955,476
9	SOLAR	85,203	81,472	74,791	71,123	60,707	51,234	760,622
10	OTHER	0	0	0	0	0	0	0
11	TOTAL	MWH 4,078,055	4,254,320	3,970,423	3,483,413	2,784,543	2,937,259	40,030,421
<b>UNITS OF FUEL BURNED</b>								
12	LIGHT OIL	BBL 7,977	7,738	8,638	7,906	6,503	9,719	88,104
13	COAL	TON 79,360	181,845	158,106	182,641	219,903	275,067	1,459,784
14	GAS	MCF 28,506,746	27,948,367	26,147,693	22,397,111	15,715,665	15,197,117	264,606,132
15	OTHER	BBL 0	0	0	0	0	0	0
<b>BTUS BURNED (MMBTU)</b>								
16	LIGHT OIL	46,480	45,092	50,343	46,068	37,875	56,629	465,281
17	COAL	1,842,233	4,242,991	3,709,116	4,325,020	5,252,455	6,566,210	34,576,012
18	GAS	28,506,746	27,948,367	26,147,693	22,397,111	15,715,665	15,197,117	267,832,635
19	OTHER	0	0	0	0	0	0	0
20	TOTAL	MMBTU 30,395,459	32,236,450	29,907,152	26,768,199	21,005,995	21,819,956	302,873,928
<b>GENERATION MIX (% MWH)</b>								
21	LIGHT OIL	0.08%	0.08%	0.09%	0.09%	0.11%	0.14%	0.07%
22	COAL	4.24%	9.35%	8.75%	11.73%	18.49%	21.99%	8.21%
23	GAS	93.59%	88.66%	89.28%	86.14%	79.22%	76.13%	89.82%
24	SOLAR	2.09%	1.92%	1.88%	2.04%	2.18%	1.74%	1.90%
25	OTHER	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
26	TOTAL	% 100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
<b>FUEL COST PER UNIT</b>								
27	LIGHT OIL	\$/BBL 116.86	118.11	117.09	120.23	117.28	115.67	117.36
28	COAL	\$/TON 102.24	89.70	90.38	88.21	85.90	80.25	87.55
29	GAS	\$/MCF 2.88	3.03	3.10	3.29	4.22	4.87	3.35
30	OTHER	\$/BBL 0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>FUEL COST PER MMBTU (\$/MMBTU)</b>								
31	LIGHT OIL	20.06	20.27	20.09	20.63	0.00	0.00	22.22
32	COAL	4.40	3.84	3.85	3.73	3.60	0.00	3.70
33	GAS	2.88	3.03	3.10	3.29	4.22	4.87	3.31
34	OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	TOTAL	\$/MMBTU 3.00	3.16	3.22	3.39	4.09	4.45	3.38
<b>BTU BURNED PER KWH (BTU/KWH)</b>								
36	LIGHT OIL	13,652	13,822	14,077	14,544	12,304	13,607	16,712
37	COAL	10,653	10,667	10,675	10,588	10,200	10,166	10,521
38	GAS	7,469	7,410	7,377	7,464	7,125	6,797	7,449
39	OTHER	0	0	0	0	0	0	0
40	TOTAL	BTU/KWH 7,453	7,577	7,532	7,684	7,544	7,429	7,566
<b>GENERATED FUEL COST PER KWH (C/KWH)</b>								
41	LIGHT OIL	27.38	28.01	28.28	30.01	24.78	27.01	37.14
42	COAL	4.69	4.10	4.11	3.94	3.67	3.42	3.89
43	GAS	2.15	2.25	2.29	2.46	3.01	3.31	2.47
44	OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	TOTAL	C/KWH 2.24	2.40	2.43	2.61	3.09	3.31	2.56