



Matthew R. Bernier
Associate General Counsel
Duke Energy Florida, LLC.

March 16, 2021

VIA ELECTRONIC FILING

Mr. Adam 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. 20210001-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 Generating Performance Incentive Factor (“GPIF”) True-Up Petition for the period January 2020 through December 2020; and
- Direct Testimony of M. Ingle Lewter with Exhibit No. (MIL-1T).

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 Purchased Power Cost
Recovery Clause with Generating
Performance Incentive Factor

Docket No. 20210001-EI

Filed: March 16, 2021

**PETITION FOR APPROVAL OF GPIF RESULTS
FOR THE PERIOD ENDING DECEMBER 2020**

Duke Energy Florida, LLC (“DEF”) hereby petitions this Commission for approval of its Generating Performance Incentive Factor (“GPIF”) results for the period ending December 2020. In support of this Petition, DEF states as follows:

1. DEF is a public utility subject to the jurisdiction of the Commission under Chapter 366, Florida Statutes. DEF's General Offices are located at 299 First Avenue North, St. Petersburg, FL 33701.

2. All notices, pleadings and other communications required to be served on the petitioner should be directed to:

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3. By Order No. PSC-2020-00439-FOF-EI, dated November 16, 2020, the Commission approved DEF’s GPIF Targets for the period January 2020 through December 2020. The application of the GPIF formula to DEF’s performance during that period produces a reward of \$2,657,279. Matters relating to the GPIF are contained in

the prepared direct testimony of DEF witness M. Ingle Lewter which is being filed with and incorporated in this Petition.

WHEREFORE, DEF respectfully requests the Commission to approve this Petition and include the aforementioned amount in the calculation of the Fuel and Purchased Power Cost Recovery (“FCR”) Factor for the period beginning January 2021.

Respectfully submitted,

s/Matthew R. Bernier

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CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 16th day of March, 2021.

s/Matthew R. Bernier

Attorney

<p>Suzanne Brownless Office of General Counsel FL Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 sbrownle@psc.state.fl.us</p> <p>J. Beasley / J. Wahlen / M. Means Ausley McMullen P.O. Box 391 Tallahassee, FL 32302 jbeasley@ausley.com jwahlen@ausley.com mmeans@ausley.com</p> <p>Russell A. Badders Gulf Power Company One Energy Place, Bin 100 Pensacola, FL 32520-0100 russell.badders@nexteraenergy.com</p> <p>Kenneth A. Hoffman Florida Power & Light Company 134 W. Jefferson Street Tallahassee, FL 32301-1713 ken_hoffman@fpl.com</p> <p>Jon C. Moyle, Jr. Moyle Law Firm, P.A. 118 North Gadsden Street Tallahassee, FL 32301 jmoyle@moylelaw.com mqualls@moylelaw.com</p>	<p>Anastacia Pirrello Office of Public Counsel 111 W. Madison St., Room 812 Tallahassee, FL 32399-1400 pirrello.anastacia@leg.state.fl.us</p> <p>Paula K. Brown Regulatory Affairs Tampa Electric Company P.O. Box 111 Tampa, FL 33601-0111 regdept@tecoenergy.com</p> <p>Maria Moncada Florida Power & Light Company 700 Universe Blvd. (LAW/JB) Juno Beach, FL 33408-0420 maria.moncada@fpl.com</p> <p>James Brew / Laura W. Baker Stone Law Firm 1025 Thomas Jefferson St., N.W. Suite 800 West Washington, DC 20007 jbrew@smxblaw.com lwb@smxblaw.com</p> <p>Mike Cassel Florida Public Utilities Company 208 Wildlight Avenue Yulee, FL 32097 mcassel@fpuc.com</p> <p>Beth Keating Gunster, Yoakley & Stewart, P.A. 215 South Monroe Street, Suite 601 Tallahassee, FL 32301 bkeating@gunster.com</p>
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DUKE ENERGY FLORIDA, LLC

DOCKET NO. 20210001-EI

**GPIF Schedules for
January through December 2020**

**DIRECT TESTIMONY OF
MARY INGLE LEWTER**

March 16, 2021

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

2 A. My name is M. Ingle Lewter. My business address is 526 South Church
3 Street, Charlotte, North Carolina 28202.

4

5 **Q. By whom are you employed and in what capacity?**

6 A. I am employed by Duke Energy Indiana, LLC (“DEI”) as Manager of Fuels
7 and Fleet Analytics for Fuels and Systems Optimization. DEI and Duke
8 Energy Florida, LLC (“DEF” or “Company”) are both wholly-owned
9 subsidiaries of Duke Energy Corporation (“Duke Energy”).

10

11 **Q. Describe your responsibilities as Manager of Fuels and Fleet Analytics.**

12 A. As Manager of Fuels and Fleet Analytics for Fuels and Systems
13 Optimization, I oversee the analysis and modeling of energy portfolios for
14 Duke Energy Corporation’s regulated utility subsidiaries, including DEF, as

1 well as Duke Energy Carolinas ("DEC"), Duke Energy Progress, LLC
2 ("DEP"), DEI, and Duke Energy Kentucky, Inc ("DEK"). My responsibilities
3 include oversight of planning and coordination associated with economic
4 system operations, including production cost modeling, outage coordination,
5 dispatch pricing, fuel burn forecasting, position analysis, and commodities
6 analytics.

7
8 **Q. Please describe your educational background and professional**
9 **experience.**

10 A. I earned a Bachelor of Science in Statistics from North Carolina State
11 University in 1995. I have worked with Progress Energy (Carolina Power &
12 Light) and Duke Energy combined since graduating from North Carolina
13 State University in 1995. I started with Carolina Power & Light (CP&L) in the
14 customer service area and then moved into payroll services in 1997. In 1999,
15 I joined the Bulk Power Marketing Department as a Business Analyst and
16 was responsible for data analysis, including load forecast metrics, external
17 market tracking and unit commitment modeling. In 2000, I took the role of
18 Power Scheduler and was responsible for scheduling, confirming and
19 tagging all short-term physical power transactions. In 2005, I was promoted
20 to Portfolio Analyst in the Portfolio Management group. In this role, I was
21 responsible for the short-term seven-day unit commitment plan for Progress
22 Energy Florida, which included load forecast development, generation
23 scheduling, unit commitment and the fuel burn forecast. In 2008, I moved
24 from the short-term seven-day unit commitment responsibilities to the mid-
25 term forecasting role and was promoted to Senior Portfolio Analyst. In 2012,

1 I was promoted to Lead Fuels & Fleet Analyst when Progress Energy
2 merged with Duke Energy. In these roles, I was responsible for the 5-year
3 mid-term forecast for Duke Energy Carolinas and Duke Energy Midwest
4 utilities, which are utilized for fuel planning, regulatory fuel filings, and budget
5 development. In December 2019, I became the Manager of Fuels & Fleet
6 Analytics, which is responsible for the mid-term forecast for all Duke Energy
7 Jurisdictions (DEC, DEP, DEI, DEK, and DEF).

8

9 **Q. What is the purpose of your testimony?**

10 A. The purpose of my testimony is to describe the calculation of DEF's
11 Generating Performance Incentive Factor ("GPIF") reward/(penalty) amount
12 for the period of January through December 2020. This calculation was
13 based on a comparison of the actual performance of DEF's Six (6) GPIF
14 generating units for this period against the approved targets set for these
15 units prior to the actual performance period.

16

17 **Q. Do you have an exhibit to your testimony in this proceeding?**

18 A. Yes, I am sponsoring Exhibit No. _____ (MIL-1T), which consists of the
19 schedules required by the GPIF Implementation Manual to support the
20 development of the incentive amount. This 22-page exhibit is attached to
21 my prepared testimony and includes as its first page an index to the contents
22 of the exhibit.

23

24

25

1 **Q. What GPIF incentive amount has been calculated for this period?**

2 A. DEF's calculated GPIF incentive amount is a reward of \$2,657,279. This
3 amount was developed in a manner consistent with the GPIF
4 Implementation Manual. Page 2 of my exhibit shows the system GPIF points
5 and the corresponding reward/(penalty). The summary of weighted
6 incentive points earned by each individual unit can be found on page 4 of
7 my exhibit.

8
9 **Q. How were the incentive points for equivalent availability and heat rate
10 calculated for the individual GPIF units?**

11 A. The calculation of incentive points was made by comparing the adjusted
12 actual performance data for equivalent availability and heat rate to the target
13 performance indicators for each unit. This comparison is shown on each
14 unit's Generating Performance Incentive Points Table found on pages 9
15 through 14 of my exhibit.

16
17 It should be noted that the "target" Generating Performance Incentive Points
18 Tables on pages 9 through 14 and the Osprey Estimated Unit Performance
19 Data on page 21 of DEF's 2020 GPIF Targets and Ranges (Exhibit
20 No. ___(JBD-1P) filed in Docket 20190001-EI) contained errors related to:
21 1) the Weighting Factors for Equivalent Availability Factor (EAF) and Heat
22 Rate for all units, 2) the average heat rate target and ranges and associated
23 fuel savings/losses for Osprey combined cycle ("CC"), and 3) the monthly
24 operating Btus, heat rate, and heat rate equation for Osprey CC. These

1 errors, which were the result of a report assembly error, did not affect the
2 GPIF targets approved in Commission Order PSC-2019-0484-FOF-EI.

3
4 DEF used the correct EAF and heat rate weighting factors, EAF and heat
5 rate targets and maximum/minimum values, and associated maximum and
6 minimum fuel savings/losses from pages 4 through 7 of "target" Exhibit
7 No. ____ (JBD-1P) in the calculation of the GPIF true-up results. As such, a
8 comparison of the "target" and "true-up" Generating Performance Incentive
9 Points Tables and Unit Performance Data tables from their respective
10 exhibits will show deviations due to these errors, but the correct information
11 is documented in "true-up" Exhibit No. ____ (MIL-1T) sponsored as part of this
12 testimony.

13
14 **Q. Why is it necessary to make adjustments to the actual performance**
15 **data for comparison with the targets?**

16 A. Adjustments to the actual equivalent availability and heat rate data are
17 necessary to allow their comparison with the "target" Point Tables exactly as
18 approved by the Commission. These adjustments are described in the
19 Implementation Manual and are further explained by a Staff memorandum,
20 dated October 23, 1981, directed to the GPIF utilities. The adjustments to
21 actual equivalent availability primarily concern the differences between
22 target and actual planned outage hours, and are shown on page 7 of my
23 exhibit. The heat rate adjustments concern the differences between the
24 target and actual Net Output Factor (NOF), and are shown on page 8. The

1 methodology for both the equivalent availability and heat rate adjustments
2 are explained in the Staff memorandum.

3
4 In addition, the Bartow CC unit had data excluded during the period in which
5 its steam turbine was in a planned outage. The Bartow CC unit has the
6 capability to be operated in simple cycle mode while the steam turbine is in
7 an outage. When operating in simple cycle mode, the unit's heat rate will
8 deviate significantly from its normal range. DEF's heat rate target setting
9 process for the Bartow CC unit excludes historical data from periods when
10 the unit operated in simple cycle mode. From late November until late
11 December 2020 the steam turbine was in a planned outage; during this
12 period the Bartow CC unit was operated in simple cycle. To be consistent
13 with the target setting process, simple cycle mode heat rate data was
14 excluded from actuals for the purposes of calculating the heat rate for the
15 Bartow CC in year 2020 during those times when the unit was being
16 operated in simple cycle mode as the result of a planned outage.

17
18 **Q. Have you provided the as-worked planned outage schedules for DEF's**
19 **GPIF units to support your adjustments to actual equivalent**
20 **availability?**

21 A. Yes. Page 21 of my exhibit summarizes the planned outages experienced
22 by DEF's GPIF units during the period. Page 22 presents an as-worked
23 schedule for each individual planned outage.

24
25

1 Q. Does this conclude your testimony?

2 A. Yes.

GPIF REWARD/PENALTY SCHEDULES

<u>Description</u>	<u>Sheet</u>
Index	1
Reward/Penalty Table (Actual)	2
Calculation of Maximum Incentive Dollars (Actual)	3
Calculation of System Actual GPIF Points	4
GPIF Unit Performance Summary	5
Actual Unit Performance Data	6
Adjustments to EAF Actual	7
Adjustments to ANOHR Actual	8
Generating Performance Incentive Points Table	9-14
Actual Unit Performance Data	15-20
Planned Outage Schedules (Actual)	21-22

GENERATING PERFORMANCE INCENTIVE FACTOR

REWARD/PENALTY TABLE

ACTUAL

Duke Energy Florida
January 2020 - December 2020

Generating Performance Incentive Points (GPIF)	Fuel Savings/Loss (\$)	Generating Performance Incentive Factor (\$)
10	\$ 21,933,791	\$ 10,966,895
9	\$ 19,740,412	\$ 9,870,206
8	\$ 17,547,033	\$ 8,773,516
7	\$ 15,353,653	\$ 7,676,827
6	\$ 13,160,274	\$ 6,580,137
5	\$ 10,966,895	\$ 5,483,448
4	\$ 8,773,516	\$ 4,386,758
3	\$ 6,580,137	\$ 3,290,069
**** 2.423	\$ 5,314,557	\$ 2,657,279
2	\$ 4,386,758	\$ 2,193,379
1	\$ 2,193,379	\$ 1,096,690
0	\$ -	\$ -
-1	\$ (2,654,018)	\$ (1,096,690)
-2	\$ (5,308,036)	\$ (2,193,379)
-3	\$ (7,962,054)	\$ (3,290,069)
-4	\$ (10,616,072)	\$ (4,386,758)
-5	\$ (13,270,090)	\$ (5,483,448)
-6	\$ (15,924,108)	\$ (6,580,137)
-7	\$ (18,578,126)	\$ (7,676,827)
-8	\$ (21,232,144)	\$ (8,773,516)
-9	\$ (23,886,162)	\$ (9,870,206)
-10	\$ (26,540,180)	\$ (10,966,895)

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GENERATION PERFORMANCE INCENTIVE FACTOR

CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

Duke Energy Florida
January 2020 - December 2020

1	Beginning of period balance of common equity	\$ 6,789,687,410	
	END OF MONTH BALANCE OF COMMON EQUITY:		
2	Month of JANUARY 2020	\$ 6,836,681,418	
3	Month of FEBRUARY 2020	\$ 6,860,099,665	
4	Month of MARCH 2020	\$ 6,914,768,481	
5	Month of APRIL 2020	\$ 6,966,118,515	
6	Month of MAY 2020	\$ 7,055,715,006	
7	Month of JUNE 2020	\$ 7,126,999,823	
8	Month of JULY 2020	\$ 7,230,062,584	
9	Month of AUGUST 2020	\$ 7,333,848,937	
10	Month of SEPTEMBER 2020	\$ 7,411,196,758	
11	Month of OCTOBER 2020	\$ 7,487,364,734	
12	Month of NOVEMBER 2020	\$ 7,523,963,803	
13	Month of DECEMBER 2020	\$ 7,558,921,452	
14	Average common equity for the period	\$ 7,161,186,814	
15	25 Basis Points	0.0025	
16	Revenue Expansion Factor	75.2739%	
17	Maximum allowed incentive dollars	\$ 23,783,771	
18	Jurisdictional Sales *	39,240,079	MWH
19	Total Sales *	39,484,848	MWH
20	Jurisdictional Separation Factor	99.3800%	
21	Maximum allowed jurisdictional incentive dollars	\$ 23,636,312	
22	Incentive Cap (50% of Projected Fuel Savings at 10 GPIF Point Level) From Sheet No. 6.101.1	\$ 10,966,895	
23	Maximum Allowed GPIF Reward (Lesser of Line 21 and Line 22)	\$ 10,966,895	
*	Net sales (Sales - Interruptible)		

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GENERATION PERFORMANCE INCENTIVE FACTOR

CALCULATION OF SYSTEM ACTUAL GPIF POINTS

Duke Energy Florida
January 2020 - December 2020

<u>Plant/Unit</u>	<u>Performance Indicator EAF or ANOHR</u>	<u>Weighting Factor %</u>	<u>Unit Points</u>	<u>Weighted Unit Points</u>
Bartow CC	EAF	7.37	10.000	0.737
	ANOHR	30.88	4.736	1.463
Hines 1	EAF	0.73	-3.647	-0.027
	ANOHR	12.12	-0.474	-0.057
Hines 2	EAF	0.11	-10.000	-0.011
	ANOHR	8.83	0.000	0.000
Hines 3	EAF	0.72	-3.468	-0.025
	ANOHR	9.52	0.000	0.000
Hines 4	EAF	3.95	9.065	0.358
	ANOHR	7.34	0.000	0.000
Osprey CC	EAF	2.38	-0.621	-0.015
	ANOHR	16.03	0.000	0.000
GPIF System		100.00		2.423

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GENERATION PERFORMANCE INCENTIVE FACTOR
GPIF UNIT PERFORMANCE SUMMARY

Duke Energy Florida
January 2020 - December 2020

Plant/Unit	Weighting Factor (%)	EAF Target (%)	EAF RANGE		Max. Fuel Savings (\$000)	Max. Fuel Loss (\$000)	EAF Adjusted Actual (%)	Estimated
			Max. (%)	Min. (%)				Fuel Savings/Loss (\$000)
Bartow CC	7.37	88.20	92.74	79.17	\$1,617	(\$2,661)	95.52	\$1,617
Hines 1	0.73	87.02	89.01	82.98	\$160	(\$785)	85.55	(\$286)
Hines 2	0.11	90.32	91.15	88.60	\$25	(\$447)	88.19	(\$447)
Hines 3	0.72	93.73	94.89	91.35	\$159	(\$726)	92.91	(\$252)
Hines 4	3.95	83.95	87.02	77.60	\$866	(\$2,199)	86.73	\$785
Osprey CC	2.38	88.14	91.02	82.23	\$521	(\$1,136)	87.78	(\$71)

GPIF System	15.26				\$3,347.9	(\$7,954.3)		\$1,346.6
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Plant/Unit	Weighting Factor (%)	ANOHR Target		ANOHR RANGE		Max. Fuel Savings (\$000)	Max. Fuel Loss (\$000)	ANOHR Adjusted Actual (Btu/kwh)	Estimated
		(BTU/KWH)	NOF	Min. (Btu/kwh)	Max. (Btu/kwh)				Fuel Savings/Loss (\$000)
Bartow CC	30.88	7,892	72.9	7,496	8,289	\$6,774	(\$6,774)	7,665	\$3,208
Hines 1	12.12	7,261	88.0	6,922	7,600	\$2,659	(\$2,659)	7,348	(\$126)
Hines 2	8.83	7,410	83.9	7,159	7,660	\$1,937	(\$1,937)	7,441	\$0
Hines 3	9.52	7,266	80.5	7,019	7,514	\$2,089	(\$2,089)	7,250	\$0
Hines 4	7.34	6,982	91.7	6,801	7,162	\$1,611	(\$1,611)	7,025	\$0
Osprey CC	16.03	7,291	58.6	6,717	7,866	\$3,517	(\$3,517)	7,336	\$0

GPIF System	84.74				\$18,585.9	(\$18,585.9)		\$3,082.0
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Original Sheet No. 6.101.5

GENERATION PERFORMANCE INCENTIVE FACTOR
ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida
January 2020 - December 2020

Plant/Unit	ACTUAL EAF %	ADJUSTMENTS (1) TO EAF %	ADJUSTED ACTUAL EAF %
Bartow CC	92.94	2.58	95.52
Hines 1	85.55	0.00	85.55
Hines 2	82.59	5.61	88.19
Hines 3	96.60	-3.69	92.91
Hines 4	84.36	2.37	86.73
Osprey CC	84.73	3.04	87.78

Plant/Unit	ACTUAL ANOHR BTU/KWH	ADJUSTMENTS (2) TO ANOHR BTU/KWH	ADJUSTED ACTUAL ANOHR BTU/KWH
Bartow CC	7,475.1	189.7	7,664.8
Hines 1	7,467.3	-118.9	7,348.4
Hines 2	7,478.4	-37.5	7,440.9
Hines 3	7,249.4	0.6	7,250.0
Hines 4	7,080.0	-54.7	7,025.2
Osprey CC	7,351.0	-14.9	7,336.2

(1) For documentation of adjustments to actual EAF, see sheet 7 of 22.
(2) For documentation of adjustments to actual ANOHR, see sheet 8 of 22.

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GENERATION PERFORMANCE INCENTIVE FACTOR
ADJUSTMENTS TO EAF ACTUAL

Duke Energy Florida
January 2020 - December 2020

EAF adjustments for Planned Outage Hours			Bartow CC <u>BA4</u>	Hines 1 <u>HN1</u>	Hines 2 <u>HN2</u>	Hines 3 <u>HN3</u>	Hines 4 <u>HN4</u>	Osprey CC <u>OS1</u>
1	Actual POH	Hrs.	412.55	767.99	1,210.29	0.52	1,057.41	791.00
2	Target POH	Hrs.	180.00	768.00	696.00	336.00	840.00	504.00
3	Adj. Factor (PH-POHT/PH-POHA)		1.03	1.00	1.07	0.96	1.03	1.04
4	Actual EUOH	Hrs.	207.89	501.54	319.35	298.49	316.75	550.09
5	Adj. EUOH (3*4)	Hrs.	213.66	501.54	341.03	287.08	325.66	569.84
6	Actual EAF	%	92.94	85.55	82.59	96.60	84.36	84.73
7	Adjusted EAF (using 2 & 5)	%	95.52	85.55	88.19	92.91	86.73	87.78
8	Difference (7-6)	%	2.58	0.00	5.61	-3.69	2.37	3.04
9	Total adj. to EAF	%	2.58	0.00	5.61	-3.69	2.37	3.04

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GENERATION PERFORMANCE INCENTIVE FACTOR
ADJUSTMENTS TO ANOHR ACTUAL

Duke Energy Florida
January 2020 - December 2020

ANOHR adjustments for			Bartow CC	Hines 1	Hines 2	Hines 3	Hines 4	Osprey CC
Target NOF			<u>BA4</u>	<u>HN1</u>	<u>HN2</u>	<u>HN3</u>	<u>HN4</u>	<u>OS1</u>
1	Target NOF	%	72.9	88.0	83.9	80.5	91.7	58.6
2	Target ANOHR	Btu/kwh	7892.1	7260.9	7409.6	7266.2	6981.5	7291.2
3	Actual NOF	%	81.2	80.4	80.1	80.6	82.6	72.3
4	Calc. ANOHR (using 3)	Btu/kwh	7,702.3	7,379.8	7,447.1	7,265.5	7,036.3	7,306.1
5	Total adj. to ANOHR (2-4)	Btu/kwh	189.7	-118.9	-37.5	0.6	-54.7	-14.9

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2020 - December 2020

Unit: Bartow CC

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)

10	\$1,617,134	92.74	10	\$6,773,688	7,495.6
10	\$1,617,134	92.74	9	\$6,096,319	7,527.8
9	\$1,455,421	92.29	8	\$5,418,950	7,559.9
8	\$1,293,707	91.83	7	\$4,741,581	7,592.1
7	\$1,131,994	91.38	6	\$4,064,213	7,624.2
6	\$970,280	90.93	5	\$3,386,844	7,656.4
5	\$808,567	90.47	4.736	\$3,208,018	7,664.8 ****
4	\$646,854	90.02	4	\$2,709,475	7,688.5
3	\$485,140	89.56	3	\$2,032,106	7,720.6
2	\$323,427	89.11	2	\$1,354,738	7,752.8
1	\$161,713	88.66	1	\$677,369	7,784.9
	\$0	88.20	0	\$0	7,817.1
0	\$0	88.20	0	\$0	7,892.1
	\$0	88.20	0	\$0	7,967.1
-1	(\$266,112)	87.30	-1	(\$677,369)	7,999.2
-2	(\$532,225)	86.40	-2	(\$1,354,738)	8,031.4
-3	(\$798,337)	85.49	-3	(\$2,032,106)	8,063.5
-4	(\$1,064,450)	84.59	-4	(\$2,709,475)	8,095.6
-5	(\$1,330,562)	83.69	-5	(\$3,386,844)	8,127.8
-6	(\$1,596,675)	82.78	-6	(\$4,064,213)	8,159.9
-7	(\$1,862,787)	81.88	-7	(\$4,741,581)	8,192.1
-8	(\$2,128,899)	80.98	-8	(\$5,418,950)	8,224.2
-9	(\$2,395,012)	80.07	-9	(\$6,096,319)	8,256.4
-10	(\$2,661,124)	79.17	-10	(\$6,773,688)	8,288.5

Equivalent Availability
Weighting Factor:(1)

7.37%

Heat Rate
Weighting Factor:(1)

30.88%

(1) Corrected Weighting Factors, as described in DEF Witness Lewter's March 16, 2021 testimony

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2020 - December 2020

Unit: Hines 1

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$159,805	89.01	10	\$2,659,112	6,921.9
9	\$143,825	88.81	9	\$2,393,201	6,948.3
8	\$127,844	88.61	8	\$2,127,289	6,974.7
7	\$111,864	88.41	7	\$1,861,378	7,001.1
6	\$95,883	88.21	6	\$1,595,467	7,027.5
5	\$79,903	88.01	5	\$1,329,556	7,053.9
4	\$63,922	87.82	4	\$1,063,645	7,080.3
3	\$47,942	87.62	3	\$797,734	7,106.7
2	\$31,961	87.42	2	\$531,822	7,133.1
1	\$15,981	87.22	1	\$265,911	7,159.5
	\$0	87.02	0	\$0	7,185.9
0	\$0	87.02	0	\$0	7,260.9
	\$0	87.02	0	\$0	7,335.9
-1	(\$78,466)	86.62	-0.474	(\$126,042)	7,348.4 ****
-2	(\$156,933)	86.21	-1	(\$265,911)	7,362.3
-3	(\$235,399)	85.81	-2	(\$531,822)	7,388.7
**** -3.647	(\$286,166)	85.55	-3	(\$797,734)	7,415.1
-4	(\$313,865)	85.40	-4	(\$1,063,645)	7,441.5
-5	(\$392,331)	85.00	-5	(\$1,329,556)	7,467.9
-6	(\$470,798)	84.60	-6	(\$1,595,467)	7,494.3
-7	(\$549,264)	84.19	-7	(\$1,861,378)	7,520.7
-8	(\$627,730)	83.79	-8	(\$2,127,289)	7,547.1
-9	(\$706,196)	83.38	-9	(\$2,393,201)	7,573.5
-10	(\$784,663)	82.98	-10	(\$2,659,112)	7,600.0

Equivalent Availability
Weighting Factor:(1)

0.73%

Heat Rate
Weighting Factor:(1)

12.12%

(1) Corrected Weighting Factors, as described in DEF Witness Lewter's March 16, 2021 testimony

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2020 - December 2020

Unit: Hines 2

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
10	\$24,620	91.15	10	\$1,936,965	7,159.2
9	\$22,158	91.07	9	\$1,743,269	7,176.7
8	\$19,696	90.98	8	\$1,549,572	7,194.3
7	\$17,234	90.90	7	\$1,355,876	7,211.8
6	\$14,772	90.82	6	\$1,162,179	7,229.4
5	\$12,310	90.74	5	\$968,483	7,246.9
4	\$9,848	90.65	4	\$774,786	7,264.4
3	\$7,386	90.57	3	\$581,090	7,282.0
2	\$4,924	90.49	2	\$387,393	7,299.5
1	\$2,462	90.40	1	\$193,697	7,317.1
	\$0	90.32	0	\$0	7,334.6
0	\$0	90.32	0.000	\$0	7,440.9 ****
	\$0	90.32	0	\$0	7,409.6
-1	(\$44,740)	90.15	0	\$0	7,484.6
-2	(\$89,481)	89.98	-1	(\$193,697)	7,502.2
-3	(\$134,221)	89.80	-2	(\$387,393)	7,519.7
-4	(\$178,962)	89.63	-3	(\$581,090)	7,537.2
-5	(\$223,702)	89.46	-4	(\$774,786)	7,554.8
-6	(\$268,442)	89.29	-5	(\$968,483)	7,572.3
-7	(\$313,183)	89.12	-6	(\$1,162,179)	7,589.9
-8	(\$357,923)	88.95	-7	(\$1,355,876)	7,607.4
-9	(\$402,664)	88.77	-8	(\$1,549,572)	7,625.0
-10	(\$447,404)	88.60	-9	(\$1,743,269)	7,642.5
****	(\$447,404)	88.60	-10	(\$1,936,965)	7,660.0

Equivalent Availability
Weighting Factor:(1)

0.11%

Heat Rate
Weighting Factor:(1)

8.83%

(1) Corrected Weighting Factors, as described in DEF Witness Lewter's March 16, 2021 testimony

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2020 - December 2020

Unit: Hines 3

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)	
10	\$158,699	94.89	10	\$2,088,568	7,018.6	
9	\$142,829	94.77	9	\$1,879,711	7,035.9	
8	\$126,959	94.66	8	\$1,670,854	7,053.1	
7	\$111,089	94.54	7	\$1,461,997	7,070.4	
6	\$95,219	94.43	6	\$1,253,141	7,087.6	
5	\$79,349	94.31	5	\$1,044,284	7,104.9	
4	\$63,479	94.19	4	\$835,427	7,122.1	
3	\$47,610	94.08	3	\$626,570	7,139.4	
2	\$31,740	93.96	2	\$417,714	7,156.6	
1	\$15,870	93.85	1	\$208,857	7,173.9	
	\$0	93.73	0	\$0	7,191.2	
0	\$0	93.73	0.000	\$0	7,250.0 ****	
	\$0	93.73	0	\$0	7,266.2	
-1	(\$72,598)	93.50	0	\$0	7,341.2	
-2	(\$145,197)	93.26	-1	(\$208,857)	7,358.4	
-3	(\$217,795)	93.02	-2	(\$417,714)	7,375.7	
****	-3.468	(\$251,771)	92.91	-3	(\$626,570)	7,392.9
		(\$290,393)	92.78	-4	(\$835,427)	7,410.2
		(\$362,991)	92.54	-5	(\$1,044,284)	7,427.4
		(\$435,590)	92.30	-6	(\$1,253,141)	7,444.7
		(\$508,188)	92.06	-7	(\$1,461,997)	7,461.9
		(\$580,786)	91.83	-8	(\$1,670,854)	7,479.2
		(\$653,384)	91.59	-9	(\$1,879,711)	7,496.4
		(\$725,983)	91.35	-10	(\$2,088,568)	7,513.7

Equivalent Availability
Weighting Factor:(1)

0.72%

Heat Rate
Weighting Factor:(1)

9.52%

(1) Corrected Weighting Factors, as described in DEF Witness Lewter's March 16, 2021 testimony

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2020 - December 2020

Unit: Hines 4

	Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (\$)	Average Heat Rate (BTU/KWH)
	10	\$866,344	87.02	10	\$1,610,787	6,801.1
****	9.065	\$785,341	86.73	9	\$1,449,708	6,811.7
	9	\$779,709	86.71	8	\$1,288,630	6,822.2
	8	\$693,075	86.40	7	\$1,127,551	6,832.8
	7	\$606,441	86.10	6	\$966,472	6,843.3
	6	\$519,806	85.79	5	\$805,393	6,853.8
	5	\$433,172	85.49	4	\$644,315	6,864.4
	4	\$346,537	85.18	3	\$483,236	6,874.9
	3	\$259,903	84.87	2	\$322,157	6,885.5
	2	\$173,269	84.57	1	\$161,079	6,896.0
	1	\$86,634	84.26	0	\$0	6,906.5
		\$0	83.95	0.000	\$0	7,025.2 ****
	0	\$0	83.95	0	\$0	6,981.5
		\$0	83.95	0	\$0	7,056.5
	-1	(\$219,873)	83.32	-1	(\$161,079)	7,067.1
	-2	(\$439,746)	82.68	-2	(\$322,157)	7,077.6
	-3	(\$659,619)	82.05	-3	(\$483,236)	7,088.1
	-4	(\$879,491)	81.41	-4	(\$644,315)	7,098.7
	-5	(\$1,099,364)	80.78	-5	(\$805,393)	7,109.2
	-6	(\$1,319,237)	80.14	-6	(\$966,472)	7,119.8
	-7	(\$1,539,110)	79.51	-7	(\$1,127,551)	7,130.3
	-8	(\$1,758,983)	78.87	-8	(\$1,288,630)	7,140.8
	-9	(\$1,978,856)	78.24	-9	(\$1,449,708)	7,151.4
	-10	(\$2,198,729)	77.60	-10	(\$1,610,787)	7,161.9

Equivalent Availability
Weighting Factor:(1)

3.95%

Heat Rate
Weighting Factor:(1)

7.34%

(1) Corrected Weighting Factors, as described in DEF Witness Lewter's March 16, 2021 testimony

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2020 - December 2020

Unit: Osprey CC

Equivalent Availability (Points)	Fuel Savings/Loss (\$)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss (1) (\$)	Average Heat Rate (1) (BTU/KWH)	
10	\$521,293	91.02	10	\$3,516,776	6,716.5	
9	\$469,164	90.73	9	\$3,165,098	6,766.5	
8	\$417,035	90.45	8	\$2,813,421	6,816.5	
7	\$364,905	90.16	7	\$2,461,743	6,866.4	
6	\$312,776	89.87	6	\$2,110,066	6,916.4	
5	\$260,647	89.58	5	\$1,758,388	6,966.4	
4	\$208,517	89.29	4	\$1,406,710	7,016.3	
3	\$156,388	89.01	3	\$1,055,033	7,066.3	
2	\$104,259	88.72	2	\$703,355	7,116.3	
1	\$52,129	88.43	1	\$351,678	7,166.3	
	\$0	88.14	0	\$0	7,216.2	
0	\$0	88.14	0.000	\$0	7,336.2 ****	
	\$0	88.14	0	\$0	7,291.2	
****	-0.621	(\$70,569)	87.77	0	7,366.2	
	-1	(\$113,638)	87.55	-1	(\$351,678)	7,416.2
	-2	(\$227,276)	86.96	-2	(\$703,355)	7,466.2
	-3	(\$340,915)	86.37	-3	(\$1,055,033)	7,516.1
	-4	(\$454,553)	85.78	-4	(\$1,406,710)	7,566.1
	-5	(\$568,191)	85.19	-5	(\$1,758,388)	7,616.1
	-6	(\$681,829)	84.60	-6	(\$2,110,066)	7,666.0
	-7	(\$795,467)	84.01	-7	(\$2,461,743)	7,716.0
	-8	(\$909,106)	83.42	-8	(\$2,813,421)	7,766.0
	-9	(\$1,022,744)	82.82	-9	(\$3,165,098)	7,816.0
	-10	(\$1,136,382)	82.23	-10	(\$3,516,776)	7,865.9

Equivalent Availability
Weighting Factor:(1)

2.38%

Heat Rate
Weighting Factor:(1)

16.03%

(1) Corrected Weighting Factors, Fuel Savings/Loss and Average Heat Rate ranges as described in DEF Witness Lewter's March 16, 2021 testimony

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Bartow CC	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-Dec Period
1. EAF	83.93	99.00	94.62	95.42	98.18	100.00	99.70	99.14	99.78	99.34	94.76	52.35	92.94
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	615.8	621.1	661.0	549.1	654.2	691.9	742.6	730.4	669.5	699.5	566.6	339.5	7,130.4
4. RSH	8.6	69.0	43.2	137.9	78.5	28.1	0.1	7.2	49.0	39.6	116.7	50.0	627.8
5. UH	119.6	5.9	38.9	33.0	11.4	0.0	1.3	6.4	1.6	4.9	37.8	354.5	615.2
6. POH	119.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0	259.3	412.6
7. FOH	0.4	5.7	34.5	1.7	0.0	0.0	1.3	6.4	1.6	4.9	3.7	95.2	155.4
8. MOH	0.0	0.3	4.4	31.3	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.2
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	0.0	11.2	11.4	0.0	0.1	0.0	19.9	0.0	0.0	0.0	0.0	0.0	42.6
12. LR PF (MW)	0.0	108.2	108.2	0.0	105.5	0.0	55.3	0.0	0.0	0.0	0.0	0.0	83.4
13. PMOH	0.0	0.0	0.0	0.0	21.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7
14. LR PM (MW)	0.0	0.0	0.0	0.0	114.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.2
15. NSC (MW)	1,144	1,144	1,144	1,144	1,144	1,144	1,144	1,144	1,144	1,144	1,144	1,144	1,144
16. OPER MBTU	4,050,994	4,286,777	4,724,966	3,333,386	4,344,128	4,836,805	5,246,371	5,034,287	4,527,059	4,927,283	3,459,135	736,103	49,507,294
17. NET GEN (MWH)	555,214	552,497	602,801	443,687	577,023	653,418	715,825	685,700	612,742	666,148	459,555	98,348	6,622,958
18. ANOHR (BTU/KWH)	7,296.3	7,758.9	7,838.4	7,512.9	7,528.5	7,402.3	7,329.1	7,341.8	7,388.2	7,396.7	7,527.1	7,484.7	7,475.1
19. NOF (%)	78.81	77.75	79.72	70.64	77.11	82.55	84.26	82.06	80.01	83.25	75.25	69.24	81.19
20. NPC (MW)	1,144	1,144	1,144	1,144	1,144	1,144	1,144	1,144	1,144	1,144	1,144	1,144	1,144
ANOHR EQUATION:	ANOHR=	-22.758	x NOF +	9,550.10									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Hines 1	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-Dec Period
1. EAF	98.88	88.34	95.76	82.92	93.59	73.83	100.00	98.12	98.74	6.93	89.74	100.00	85.55
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	259.0	575.2	654.6	573.3	632.1	531.6	744.0	710.2	688.9	3.6	647.0	744.0	6,763.5
4. RSH	476.7	42.3	57.4	24.0	64.3	0.0	0.0	19.8	23.6	48.0	0.0	0.0	756.0
5. UH	8.3	78.5	31.0	122.7	47.7	188.4	0.0	14.0	7.5	692.4	74.0	0.0	1,264.5
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	692.4	74.0	0.0	766.4
7. FOH	8.3	61.4	31.0	1.7	11.4	188.4	0.0	1.7	0.0	0.0	0.0	0.0	303.9
8. MOH	0.0	17.1	0.0	121.0	36.3	0.0	0.0	12.3	7.5	0.0	0.0	0.0	194.2
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	11.3
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.8	0.0	0.0	0.0	68.8
11. PFOH	0.0	16.6	5.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.7
12. LR PF (MW)	0.0	77.0	49.5	82.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.6
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	490	490	490	490	490	490	490	490	490	490	490	490	490
16. OPER MBTU	780,815	1,648,431	1,880,686	1,642,991	1,823,994	1,556,416	2,249,479	2,047,183	1,993,767	6,060	1,815,239	2,463,886	19,908,947
17. NET GEN (MWH)	102,818	215,761	250,559	219,501	240,760	205,204	300,649	275,796	262,778	316	245,508	346,508	2,666,158
18. ANOHR (BTU/KWH)	7,594.1	7,640.1	7,506.0	7,485.1	7,576.0	7,584.7	7,482.1	7,422.8	7,587.3	19,178.0	7,393.8	7,110.6	7,467.3
19. NOF (%)	81.02	76.55	78.12	78.13	77.74	78.78	82.47	79.25	77.84	18.01	77.44	95.05	80.45
20. NPC (MW)	490	490	490	490	490	490	490	490	490	490	490	490	490
ANOHR EQUATION:	ANOHR=	-15.806	x NOF +	8,651.35									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Hines 2	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-Dec Period
1. EAF	100.00	94.56	0.00	29.43	81.90	86.67	99.97	99.96	99.92	100.00	98.76	100.00	82.59
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	703.6	559.2	0.0	246.4	578.7	623.3	744.0	744.0	671.6	709.7	639.9	634.0	6,854.4
4. RSH	40.5	99.0	0.0	12.9	40.2	17.2	0.0	0.0	48.4	34.3	78.9	110.0	481.2
5. UH	0.0	37.9	743.0	460.6	125.1	79.5	0.0	0.0	0.0	0.0	2.3	0.0	1,448.4
6. POH	0.0	24.2	743.0	442.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,209.5
7. FOH	0.0	6.9	0.0	18.3	26.1	26.3	0.0	0.0	0.0	0.0	2.3	0.0	79.8
8. MOH	0.0	6.8	0.0	0.0	99.0	53.2	0.0	0.0	0.0	0.0	0.0	0.0	159.1
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	5.0	0.0	0.0	0.0	7.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	63.2	0.0	59.5	0.0	0.0	0.0	60.6
11. PFOH	0.0	0.0	0.0	165.1	41.7	91.1	0.0	1.2	0.0	0.0	47.9	0.0	346.9
12. LR PF (MW)	0.0	0.0	0.0	150.2	120.1	94.7	0.0	137.1	0.0	0.0	72.8	0.0	121.3
13. PMOH	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
14. LR PM (MW)	0.0	0.0	0.0	65.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.1
15. NSC (MW)	524	524	524	524	524	524	524	524	524	524	524	524	524
16. OPER MBTU	2,149,462	1,871,576	0	682,347	1,638,690	1,955,733	2,438,251	2,356,982	2,088,637	2,347,799	1,964,082	2,033,845	21,527,405
17. NET GEN (MWH)	290,864	252,437	0	89,489	214,825	257,381	324,395	317,245	279,715	317,919	261,788	272,556	2,878,614
18. ANOHR (BTU/KWH)	7,389.9	7,414.0	0.0	7,624.9	7,628.0	7,598.6	7,516.3	7,429.5	7,467.0	7,384.9	7,502.6	7,462.1	7,478.4
19. NOF (%)	78.90	86.15	0.00	69.30	70.84	78.80	83.21	81.37	79.48	85.49	78.08	82.04	80.15
20. NPC (MW)	524	524	524	524	524	524	524	524	524	524	524	524	524
ANOHR EQUATION:	ANOHR=	-10.130	x NOF +	8,259.03									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Hines 3	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-Dec Period
1. EAF	100.00	99.52	100.00	99.65	77.43	99.65	94.83	92.04	100.00	99.94	96.57	100.00	96.60
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	460.1	460.2	726.7	656.0	521.0	714.9	678.2	657.6	633.6	725.2	612.8	652.4	7,498.6
4. RSH	284.0	233.0	16.3	61.5	55.1	3.1	28.8	27.2	86.4	18.7	83.5	91.6	989.0
5. UH	0.0	2.8	0.0	2.5	167.9	2.0	37.1	59.2	0.0	0.1	24.7	0.0	296.4
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	0.0	2.8	0.0	0.0	54.8	2.0	25.5	55.2	0.0	0.1	0.0	0.0	140.5
8. MOH	0.0	0.0	0.0	2.5	113.1	0.0	11.6	4.0	0.0	0.0	24.7	0.0	155.9
9. PPOH	0.0	0.0	0.0	0.0	0.0	1.3	1.0	0.0	0.0	4.0	0.0	0.0	6.3
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	51.4	56.2	0.0	0.0	35.9	0.0	0.0	42.4
11. PFOH	0.0	4.0	0.0	0.0	0.0	2.0	7.4	0.0	0.0	0.0	0.0	0.0	13.5
12. LR PF (MW)	0.0	61.6	0.0	0.0	0.0	88.1	88.7	0.0	0.0	0.0	0.0	0.0	80.6
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	515	515	515	515	515	515	515	515	515	515	515	515	515
16. OPER MBTU	1,364,781	1,411,103	2,170,967	1,926,864	1,459,758	2,191,328	2,044,783	1,974,022	1,869,332	2,326,090	1,798,283	2,016,270	22,553,582
17. NET GEN (MWH)	181,972	196,056	299,188	266,592	197,411	307,369	281,736	265,713	258,487	326,980	247,938	281,660	3,111,102
18. ANOHR (BTU/KWH)	7,499.9	7,197.5	7,256.2	7,227.8	7,394.5	7,129.3	7,257.8	7,429.2	7,231.8	7,113.9	7,253.0	7,158.5	7,249.4
19. NOF (%)	76.81	82.72	79.95	78.92	73.57	83.48	80.67	78.47	79.21	87.55	78.56	83.83	80.56
20. NPC (MW)	515	515	515	515	515	515	515	515	515	515	515	515	515
ANOHR EQUATION:	ANOHR=	-18.685	x NOF +	8,770.80									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Hines 4	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-Dec Period
1. EAF	99.14	100.00	94.34	94.07	99.85	100.00	83.67	90.96	99.44	98.64	17.61	34.81	84.36
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	720.9	648.9	663.2	556.2	697.4	720.0	618.7	654.7	696.7	728.4	72.3	224.3	7,001.6
4. RSH	17.6	47.1	38.2	121.2	46.6	0.0	3.8	22.0	23.3	5.5	54.7	34.8	414.7
5. UH	5.6	0.0	41.7	42.6	0.0	0.0	121.5	67.3	0.0	10.1	594.0	485.0	1,367.7
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	594.0	462.3	1,056.3
7. FOH	5.6	0.0	41.7	42.6	0.0	0.0	121.5	67.3	0.0	10.1	0.0	22.7	311.4
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9. PPOH	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	63.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.1
11. PFOH	5.6	0.0	3.0	0.6	0.0	0.0	0.0	0.0	14.1	0.0	0.0	0.0	23.2
12. LR PF (MW)	78.1	0.0	62.4	89.0	0.0	0.0	0.0	0.0	62.0	0.0	0.0	0.0	66.6
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	14.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.0	0.0	0.0	0.0	87.0
15. NSC (MW)	516	516	516	516	516	516	516	516	516	516	516	516	516
16. OPER MBTU	2,200,579	1,936,502	1,918,280	1,634,032	2,088,963	2,248,109	1,886,386	1,930,518	2,072,197	2,373,395	226,338	614,721	21,130,019
17. NET GEN (MWH)	317,533	278,017	267,248	228,911	295,448	317,783	264,962	272,211	289,926	334,914	31,514	86,004	2,984,471
18. ANOHR (BTU/KWH)	6,930.2	6,965.4	7,177.9	7,138.3	7,070.5	7,074.4	7,119.5	7,092.0	7,147.3	7,086.6	7,182.1	7,147.6	7,080.0
19. NOF (%)	85.37	83.03	78.10	79.76	82.10	85.54	82.99	80.58	80.65	89.11	84.47	74.33	82.61
20. NPC (MW)	516	516	516	516	516	516	516	516	516	516	516	516	516
ANOHR EQUATION:	ANOHR=	-6.017	x NOF +	7,533.33									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Osprey CC	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-Dec Period
1. EAF	99.53	96.55	0.00	54.31	100.00	100.00	100.00	99.45	98.44	98.11	98.51	72.92	84.73
2. PH	744	696	743	720	744	720	744	744	720	744	721	744	8,784
3. SH	194.4	47.3	0.0	286.4	650.7	644.9	672.7	662.1	637.5	675.5	648.9	509.5	5,629.9
4. RSH	546.7	624.7	0.0	104.6	93.3	75.1	71.3	81.9	82.0	65.5	72.1	55.9	1,873.1
5. UH	2.8	24.0	743.0	329.0	0.0	0.0	0.0	0.0	0.5	3.1	0.0	178.6	1,281.0
6. POH	0.0	24.0	743.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	791.0
7. FOH	0.6	0.0	0.0	305.0	0.0	0.0	0.0	0.0	0.5	3.1	0.0	3.5	312.7
8. MOH	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	175.1	177.3
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	3.5	0.0	0.0	0.0	0.0	0.0	0.0	130.6	339.4	347.7	339.9	266.4	1,427.6
12. LR PF (MW)	111.3	0.0	0.0	0.0	0.0	0.0	0.0	18.4	18.4	18.4	18.4	49.9	24.5
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	582	582	582	582	582	582	582	582	582	582	582	582	582
16. OPER MBTU	541,636	110,673	0	790,816	2,063,929	2,031,821	2,147,031	2,088,278	1,939,717	2,127,754	2,022,465	1,555,299	17,419,420
17. NET GEN (MWH)	71,968	14,619	0	93,205	282,305	276,486	292,433	284,360	267,137	292,801	279,430	214,912	2,369,656
18. ANOHR (BTU/KWH)	7,526.1	7,570.5	0.0	8,484.7	7,311.0	7,348.7	7,342.0	7,343.8	7,261.1	7,266.9	7,237.8	7,236.9	7,351.0
19. NOF (%)	63.60	53.12	0.00	55.91	74.55	73.67	74.69	73.79	72.00	74.48	73.99	72.48	72.32
20. NPC (MW)	582	582	582	582	582	582	582	582	582	582	582	582	582
ANOHR EQUATION: (1)	ANOHR=	1.086	x NOF +	7,227.56									

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(1) Corrected ANOHR equation, as described in DEF Witness Lewter's March 16, 2021 testimony

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PLANNED OUTAGE SCHEDULES
ACTUAL

Duke Energy Florida
January 2020 - December 2020

<u>Plant/Unit</u>	<u>Planned Outage Dates</u>	<u>Reason for Outage</u>
Bartow CC	01/01 (0000) - 01/29 (1139)	4B: Major GasTurbine Overhaul; Fas Fuel System with Controls and Instrumentation
Bartow CC	11/28 (0014) - 12/13 (1040)	4A: Gas Turbine - Boroscope Inspection
Bartow CC	11/28 (0054) - 12/23 (0558)	4S: Inspection
Bartow CC	12/12 (2340) - 12/23 (2123)	4C:Gas Turbine - Boroscope Inspection
Hines 1	10/03 (0000) - 11/04 (1337)	General Gas Turbine Unit Inspection, Exciter Commutator & Brushes, Gas Fuel System w/ Controls & Instruments
Hines 2	02/28 (2343) - 04/19 (1317)	General Gas Turbine Unit Inspection
Hines 4	11/06 (0600) - 12/23 (1349)	Gas & Steam Turbine Control Systems - Upgrades
Osprey CC	02/29 (0000) - 04/02 (0000)	General Gas Turbine Unit & Boroscope Inspection

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Planned Outage Schedule - Actual												
January 2020 - December 2020												Duke Energy Florida
	January	February	March	April	May	June	July	August	September	October	November	December
Bartow CC	Major Gas Turbine Overhaul 1/29 28 days										Gas & Steam Turbine Inspection 11/28 26 days	12/23
Hines 1									General Gas Turbine Inspection 10/3 33 days	11/4		
Hines 2			General Gas Turbine Unit Inspection 2/28 51 days	4/19								
Hines 3												
Hines 4										Gas & Steam Turbine Control Systems - Upgrade 11/6 47 days	12/23	
Osprey CC		General Gas Turbine & Boroscope Inspection 2/29 33 days	4/2									

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