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

March 16, 2020

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. 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 Generating Performance Incentive Factor ("GPIF") True-Up Petition for the period January 2019 through December 2019; 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. 20200001-EI Filed: March 16, 2020

PETITION FOR APPROVAL OF GPIF RESULTS
FOR THE PERIOD ENDING DECEMBER 2018

Duke Energy Florida, LLC ("DEF") hereby petitions this Commission for approval of its Generating Performance Incentive Factor ("GPIF") results for the period ending December 2019. 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:

Dianne M. Triplett
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Dianne.triplett@duke-energy.com
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3. By Order No. PSC-2019-00484-FOF-EI, dated November 18, 2019, the Commission approved DEF's GPIF Targets for the period January 2019 through December 2019. The application of the GPIF formula to DEF's performance during that period produces a reward of $4,407,712. 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 2020.

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, 2020.

s/Matthew R. Bernier
Attorney

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DUKE ENERGY FLORIDA, LLC

DOCKET NO. 20200001-EI

GPIF Schedules for
January through December 2019

DIRECT TESTIMONY OF
MARY INGLE LEWTER

March 16, 2020

Q. Please state your name and business address.

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

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

A. I am employed by Duke Energy Indiana, LLC ("DEI") as Manager of Fuels and Fleet Analytics for Fuels and Systems Optimization.

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

A. As Manager of Fuels and Fleet Analytics for Fuels and Systems Optimization, I oversee the analysis and modeling of energy portfolios for Duke Energy Corporation's regulated utility subsidiaries, including Duke Energy Florida, LLC ("DEF" or "Company"), as well as Duke Energy Carolinas ("DEC"), Duke Energy Progress, LLC ("DEP"), DEI, and Duke

Energy Kentucky, Inc ("DEK"). My responsibilities include oversight of planning and coordination associated with economic system operations, including production cost modeling, outage coordination, dispatch pricing, fuel burn forecasting, position analysis, and commodities analytics.

Q. Please describe your educational background and professional experience.

A. I earned a Bachelor of Science in Statistics from North Carolina State University in 1995. I have worked with Progress Energy (Carolina Power & Light) and Duke Energy combined since graduating from North Carolina State University in 1995. I started with Carolina Power & Light (CP&L) in the customer service area and then moved into payroll services in 1997. In 1999, I joined the Bulk Power Marketing Department as a Business Analyst and was responsible for data analysis, including load forecast metrics, external market tracking and unit commitment modeling. In 2000, I took the role of Power Scheduler and was responsible for scheduling, confirming and tagging all short-term physical power transactions. In 2005, I was promoted to Portfolio Analyst in the Portfolio Management group. In this role, I was responsible for the short-term seven-day unit commitment plan for Progress Energy Florida, which included load forecast development, generation scheduling, unit commitment and the fuel burn forecast. In 2008, I moved from the short-term seven-day unit commitment responsibilities to the mid-term forecasting role and was promoted to Senior Portfolio Analyst. In 2012, I was promoted to Lead Fuels & Fleet Analyst when Progress Energy merged with Duke Energy. In these roles, I was responsible for the 5-year mid-term

forecast for Duke Energy Carolinas and Duke Energy Midwest utilities, which are utilized for fuel planning, regulatory fuel filings, and budget development. In December 2019, I became the Manager of Fuels & Fleet Analytics, which is responsible for the mid-term forecast for all Duke Energy Jurisdictions (DEC, DEP, DEI, DEK, and DEF).

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to describe the calculation of DEF's Generating Performance Incentive Factor ("GPIF") reward/(penalty) amount for the period of January through December 2019. This calculation was based on a comparison of the actual performance of DEF's Seven (7) GPIF generating units for this period against the approved targets set for these units prior to the actual performance period.

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

A. Yes, I am sponsoring Exhibit No. _____ (MIL-1T), which consists of the schedules required by the GPIF Implementation Manual to support the development of the incentive amount. This 24-page exhibit is attached to my prepared testimony and includes as its first page an index to the contents of the exhibit.

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

A. DEF's calculated GPIF incentive amount is a reward of $4,407,712. This amount was developed in a manner consistent with the GPIF Implementation Manual. Page 2 of my exhibit shows the system GPIF points

and the corresponding reward/(penalty). The summary of weighted incentive points earned by each individual unit can be found on page 4 of my exhibit.

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

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

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

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

In addition, the Bartow combined cycle (“CC”) unit had data excluded during the period in which its steam turbine was in a planned outage. The Bartow CC unit has the capability to be operated in simple cycle mode while the steam turbine is in an outage. When operating in simple cycle mode, the unit’s heat rate will deviate significantly from its normal range. DEF’s heat rate target setting process for the Bartow CC unit excludes historical data from periods when the unit operated in simple cycle mode. From late September until early December 2019 the steam turbine was in a planned outage; during this period the Bartow CC unit was operated in simple cycle mode when the combustion turbines ("CT") were available. To be consistent with the target setting process, simple cycle mode heat rate data was excluded from actuals for the purposes of calculating the heat rate for the Bartow CC in year 2019 during those times when the unit was being operated in simple cycle mode as the result of a planned outage.

Q. Have you provided the as-worked planned outage schedules for DEF’s GPIF units to support your adjustments to actual equivalent availability?

A. Yes. Page 23 of my exhibit summarizes the planned outages experienced by DEF’s GPIF units during the period. Page 24 presents an as-worked schedule for each individual planned outage.

Q. Does this conclude your testimony?

A. Yes.

GPIF REWARD/PENALTY SCHEDULES

Original Sheet No. 6.101.1

GENERATING PERFORMANCE INCENTIVE FACTOR

REWARD/PENALTY TABLE

ACTUAL

Duke Energy Florida
January 2019 - December 2019

	Generating Performance Incentive Points (GPIF)	Fuel Savings/Loss ($)	Generating Performance Incentive Factor ($)
	10	$ 35,646,676	$ 17,823,338
	9	$ 32,082,009	$ 16,041,004
	8	$ 28,517,341	$ 14,258,671
	7	$ 24,952,673	$ 12,476,337
	6	$ 21,388,006	$ 10,694,003
	5	$ 17,823,338	$ 8,911,669
	4	$ 14,258,671	$ 7,129,335
	3	$ 10,694,003	$ 5,347,001
****	2.473	$ 8,815,423	$ 4,407,712
	2	$ 7,129,335	$ 3,564,668
	1	$ 3,564,668	$ 1,782,334
	0	$ -	$ -
	-1	$ (3,883,621)	$ (1,782,334)
	-2	$ (7,767,241)	$ (3,564,668)
	-3	$ (11,650,862)	$ (5,347,001)
	-4	$ (15,534,483)	$ (7,129,335)
	-5	$ (19,418,103)	$ (8,911,669)
	-6	$ (23,301,724)	$ (10,694,003)
	-7	$ (27,185,345)	$ (12,476,337)
	-8	$ (31,068,965)	$ (14,258,671)
	-9	$ (34,952,586)	$ (16,041,004)
	-10	$ (38,836,207)	$ (17,823,338)

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Original Sheet No. 6.101.2

GENERATION PERFORMANCE INCENTIVE FACTOR

CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

Duke Energy Florida
January 2019 - December 2019

1	Beginning of period balance of common equity	$ 6,098,448,855	
	END OF MONTH BALANCE OF COMMON EQUITY:		
2	Month of JANUARY 2019	$ 6,146,604,577	
3	Month of FEBRUARY 2019	$ 6,161,844,335	
4	Month of MARCH 2019	$ 6,200,654,141	
5	Month of APRIL 2019	$ 6,260,679,827	
6	Month of MAY 2019	$ 6,322,800,639	
7	Month of JUNE 2019	$ 6,399,801,391	
8	Month of JULY 2019	$ 6,479,842,500	
9	Month of AUGUST 2019	$ 6,581,911,481	
10	Month of SEPTEMBER 2019	$ 6,677,651,726	
11	Month of OCTOBER 2019	$ 6,724,733,894	
12	Month of NOVEMBER 2019	$ 6,773,097,968	
13	Month of DECEMBER 2019	$ 6,789,687,410	
14	Average common equity for the period	$ 6,432,135,288	
15	25 Basis Points	0.0025	
16	Revenue Expansion Factor	75.2739%	
17	Maximum allowed incentive dollars	$ 21,362,441	
18	Jurisdictional Sales *	39,187,343	MWH
19	Total Sales *	39,425,343	MWH
20	Jurisdictional Separation Factor	99.4000%	
21	Maximum allowed jurisdictional incentive dollars	$ 21,234,267	
22	Incentive Cap (50% of Projected Fuel Savings at 10 GPIF Point Level) From Sheet No. 6.101.1	$ 17,823,338	
23	Maximum Allowed GPIF Reward (Lesser of Line 21 and Line 22)	$ 17,823,338	

* Net sales (Sales - Interruptible)

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GENERATION PERFORMANCE INCENTIVE FACTOR

CALCULATION OF SYSTEM ACTUAL GPIF POINTS

Duke Energy Florida
January 2019 - December 2019

Plant/Unit	Performance Indicator EAF or ANOHR	Weighting Factor %	Unit Points	Weighted Unit Points
Bartow CC	EAF	1.92	10.000	0.192
	ANOHR	28.83	0.000	0.000
Crystal River 4	EAF	3.93	1.621	0.064
	ANOHR	18.92	6.135	1.160
Crystal River 5	EAF	2.08	-10.000	-0.208
	ANOHR	16.66	5.945	0.991
Hines 1	EAF	0.78	-10.000	-0.078
	ANOHR	7.71	-0.094	-0.007
Hines 2	EAF	0.23	10.000	0.023
	ANOHR	5.08	-1.093	-0.056
Hines 3	EAF	1.04	10.000	0.104
	ANOHR	5.02	0.000	0.000
Hines 4	EAF	2.88	10.000	0.288
	ANOHR	4.93	0.000	0.000
GPIF System		100.00		2.473

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GENERATION PERFORMANCE INCENTIVE FACTOR
GPIF UNIT PERFORMANCE SUMMARY

Duke Energy Florida
January 2019 - December 2019

Plant/Unit	Weighting Factor (%)	EAF Target (%)	EAF RANGE Max. (%)	EAF RANGE Min. (%)	Max. Fuel Savings ($000)	Max. Fuel Loss ($000)	EAF Adjusted Actual (%)	Estimated Fuel Savings/ Loss ($000)
Bartow CC	1.92	77.28	81.18	69.39	$684	($849)	83.68	$684
Crystal River 4	3.93	88.12	92.48	79.53	$1,399	($2,543)	88.82	$227
Crystal River 5	2.08	78.10	80.15	73.88	$741	($1,040)	67.45	($1,040)
Hines 1	0.78	91.96	92.78	90.26	$279	($253)	87.08	($253)
Hines 2	0.23	92.15	92.88	90.64	$82	($347)	93.49	$82
Hines 3	1.04	88.09	89.19	85.82	$370	($169)	89.59	$370
Hines 4	2.88	81.17	85.53	72.14	$1,026	($2,569)	87.03	$1,026
GPIF System	12.85				$4,580.5	($7,770.0)		$1,095.6

Plant/Unit	Weighting Factor (%)	ANOHR Target (BTU/KWH)	NOF	ANOHR RANGE Min. (Btu/kwh)	ANOHR RANGE Max. (Btu/kwh)	Max. Fuel Savings ($000)	Max. Fuel Loss ($000)	ANOHR Adjusted Actual (Btu/kwh)	Estimated Fuel Savings/ Loss ($000)
Bartow CC	28.83	8,075	65.8	7,426	8,724	$10,278	($10,278)	8,099	$0
Crystal River 4	18.92	10,237	74.9	9,700	10,773	$6,743	($6,743)	9,879	$4,137
Crystal River 5	16.66	10,206	71.0	9,648	10,764	$5,939	($5,939)	9,844	$3,531
Hines 1	7.71	7,337	82.6	6,921	7,754	$2,750	($2,750)	7,415	($26)
Hines 2	5.08	7,501	75.5	7,226	7,777	$1,811	($1,811)	7,598	($198)
Hines 3	5.02	7,354	76.1	7,110	7,599	$1,789	($1,789)	7,359	$0
Hines 4	4.93	7,050	85.3	6,838	7,262	$1,756	($1,756)	7,008	$0
GPIF System	87.15					$31,066.2	($31,066.2)		$7,443.8

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Original Sheet No. 6.101.5

GENERATION PERFORMANCE INCENTIVE FACTOR
ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida
January 2019 - December 2019

Plant/Unit	ACTUAL EAF %	ADJUSTMENTS (1) TO EAF %	ADJUSTED ACTUAL EAF %
Bartow CC	81.69	1.99	83.68
Crystal River 4	85.75	3.08	88.82
Crystal River 5	59.14	8.31	67.45
Hines 1	87.05	0.03	87.08
Hines 2	95.95	-2.46	93.49
Hines 3	92.78	-3.18	89.59
Hines 4	87.18	-0.14	87.03

Plant/Unit	ACTUAL ANOHR BTU/KWH	ADJUSTMENTS (2) TO ANOHR BTU/KWH	ADJUSTED ACTUAL ANOHR BTU/KWH
Bartow CC	7,697.7	401.8	8,099.4
Crystal River 4	10,319.3	-440.8	9,878.6
Crystal River 5	10,167.2	-323.3	9,843.9
Hines 1	7,413.8	1.6	7,415.4
Hines 2	7,431.7	166.3	7,598.0
Hines 3	7,204.9	154.2	7,359.1
Hines 4	6,997.5	10.5	7,008.0

(1) For documentation of adjustments to actual EAF, see sheet 7 of 24.
(2) For documentation of adjustments to actual ANOHR, see sheet 8 of 24.

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GENERATION PERFORMANCE INCENTIVE FACTOR
ADJUSTMENTS TO EAF ACTUAL

Duke Energy Florida
January 2019 - December 2019

	EAF adjustments for Planned Outage Hours		Bartow CC BA4	Crystal River 4 CR4	Crystal River 5 CR5	Hines 1 HN1	Hines 2 HN2	Hines 3 HN3	Hines 4 HN4
1	Actual POH	Hrs.	1,438.53	511.98	2,426.43	554.96	335.81	558.49	826.89
2	Target POH	Hrs.	1,260.00	216.00	1,536.00	552.00	552.00	840.00	840.00
3	Adj. Factor (PH-POHT/PH-POHA)		1.02	1.04	1.14	1.00	0.97	0.97	1.00
4	Actual EUOH	Hrs.	165.84	736.63	1,153.22	579.85	19.17	74.12	296.44
5	Adj. EUOH (3*4)	Hrs.	169.89	763.07	1,315.35	580.06	18.68	71.58	295.95
6	Actual EAF	%	81.69	85.75	59.14	87.05	95.95	92.78	87.18
7	Adjusted EAF (using 2 & 5)	%	83.68	88.82	67.45	87.08	93.49	89.59	87.03
8	Difference (7-6)	%	1.99	3.08	8.31	0.03	-2.46	-3.18	-0.14
9	Total adj. to EAF	%	1.99	3.08	8.31	0.03	-2.46	-3.18	-0.14

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GENERATION PERFORMANCE INCENTIVE FACTOR
ADJUSTMENTS TO ANOHR ACTUAL

Duke Energy Florida
January 2019 - December 2019

ANOHR adjustments for Target NOF			Bartow CC BA4	Crystal River 4 CR4	Crystal River 5 CR5	Hines 1 HN1	Hines 2 HN2	Hines 3 HN3	Hines 4 HN4
1	Target NOF	%	65.8	74.9	71.0	82.6	75.5	76.1	85.3
2	Target ANOHR	Btu/kwh	8075.1	10236.6	10205.9	7337.2	7501.1	7354.3	7050.3
3	Actual NOF	%	81.3	60.9	58.0	82.9	85.8	84.0	86.6
4	Calc. ANOHR (using 3)	Btu/kwh	7,673.3	10,677.3	10,529.2	7,335.6	7,334.8	7,200.1	7,039.8
5	Total adj. to ANOHR (2-4)	Btu/kwh	401.8	-440.8	-323.3	1.6	166.3	154.2	10.5

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2019 - December 2019

Unit: Bartow CC

	Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)	
****	10	$684,246	81.18	10	$10,277,850	7,425.7	
	10	$684,246	81.18	9	$9,250,065	7,483.1	
	9	$615,821	80.79	8	$8,222,280	7,540.5	
	8	$547,397	80.40	7	$7,194,495	7,598.0	
	7	$478,972	80.01	6	$6,166,710	7,655.4	
	6	$410,548	79.62	5	$5,138,925	7,712.9	
	5	$342,123	79.23	4	$4,111,140	7,770.3	
	4	$273,698	78.84	3	$3,083,355	7,827.7	
	3	$205,274	78.45	2	$2,055,570	7,885.2	
	2	$136,849	78.06	1	$1,027,785	7,942.6	
	1	$68,425	77.67	0	$0	8,000.1	
		$0	77.28	0.000	$0	8,099.4	****
	0	$0	77.28	0	$0	8,075.1	
		$0	77.28	0	$0	8,150.1	
	-1	($84,906)	76.49	-1	($1,027,785)	8,207.5	
	-2	($169,813)	75.70	-2	($2,055,570)	8,265.0	
	-3	($254,719)	74.92	-3	($3,083,355)	8,322.4	
	-4	($339,626)	74.13	-4	($4,111,140)	8,379.8	
	-5	($424,532)	73.34	-5	($5,138,925)	8,437.3	
	-6	($509,439)	72.55	-6	($6,166,710)	8,494.7	
	-7	($594,345)	71.76	-7	($7,194,495)	8,552.2	
	-8	($679,252)	70.97	-8	($8,222,280)	8,609.6	
	-9	($764,158)	70.18	-9	($9,250,065)	8,667.0	
	-10	($849,065)	69.39	-10	($10,277,850)	8,724.5	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
1.92%	28.83%

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Original Sheet No. 6.101.9

GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2019 - December 2019

Unit: Crystal River 4

	Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)	
	10	$1,399,411	92.48	10	$6,742,841	9,700.3	
	9	$1,259,470	92.04	9	$6,068,557	9,746.5	
	8	$1,119,529	91.61	8	$5,394,273	9,792.6	
	7	$979,588	91.17	7	$4,719,989	9,838.7	
	6	$839,647	90.73	6.135	$4,136,733	9,878.6	****
	5	$699,706	90.30	6	$4,045,705	9,884.8	
	4	$559,764	89.86	5	$3,371,421	9,930.9	
	3	$419,823	89.43	4	$2,697,136	9,977.1	
	2	$279,882	88.99	3	$2,022,852	10,023.2	
****	1.621	$226,845	88.82	2	$1,348,568	10,069.3	
	1	$139,941	88.55	1	$674,284	10,115.4	
		$0	88.12	0	$0	10,161.6	
	0	$0	88.12	0	$0	10,236.6	
		$0	88.12	0	$0	10,311.6	
	-1	($254,256)	87.26	-1	($674,284)	10,357.7	
	-2	($508,511)	86.40	-2	($1,348,568)	10,403.8	
	-3	($762,767)	85.54	-3	($2,022,852)	10,449.9	
	-4	($1,017,022)	84.68	-4	($2,697,136)	10,496.0	
	-5	($1,271,278)	83.82	-5	($3,371,421)	10,542.2	
	-6	($1,525,534)	82.96	-6	($4,045,705)	10,588.3	
	-7	($1,779,789)	82.10	-7	($4,719,989)	10,634.4	
	-8	($2,034,045)	81.25	-8	($5,394,273)	10,680.5	
	-9	($2,288,300)	80.39	-9	($6,068,557)	10,726.7	
	-10	($2,542,556)	79.53	-10	($6,742,841)	10,772.8	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
3.93%	18.92%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2019 - December 2019

Unit: Crystal River 5

	Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)	
	10	$740,646	80.15	10	$5,939,197	9,648.1	
	9	$666,582	79.95	9	$5,345,278	9,696.3	
	8	$592,517	79.74	8	$4,751,358	9,744.6	
	7	$518,452	79.54	7	$4,157,438	9,792.9	
	6	$444,388	79.33	6	$3,563,518	9,841.2	
	5	$370,323	79.12	5.945	$3,530,853	9,843.9	****
	4	$296,259	78.92	5	$2,969,599	9,889.5	
	3	$222,194	78.71	4	$2,375,679	9,937.8	
	2	$148,129	78.51	3	$1,781,759	9,986.1	
	1	$74,065	78.30	2	$1,187,839	10,034.4	
		$0	78.10	1	$593,920	10,082.7	
	0	$0	78.10	0	$0	10,130.9	
		$0	78.10	0	$0	10,205.9	
	-1	($103,982)	77.68	0	$0	10,280.9	
	-2	($207,963)	77.25	-1	($593,920)	10,329.2	
	-3	($311,945)	76.83	-2	($1,187,839)	10,377.5	
	-4	($415,927)	76.41	-3	($1,781,759)	10,425.8	
	-5	($519,909)	75.99	-4	($2,375,679)	10,474.1	
	-6	($623,890)	75.57	-5	($2,969,599)	10,522.4	
	-7	($727,872)	75.15	-6	($3,563,518)	10,570.7	
	-8	($831,854)	74.73	-7	($4,157,438)	10,619.0	
	-9	($935,835)	74.31	-8	($4,751,358)	10,667.3	
	-10	($1,039,817)	73.88	-9	($5,345,278)	10,715.5	
****	-10	($1,039,817)	73.88	-10	($5,939,197)	10,763.8	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
2.08%	16.66%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2019 - December 2019

Unit: Hines 1

	Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)	
	10	$278,783	92.78	10	$2,750,000	6,920.6	
	9	$250,905	92.70	9	$2,475,000	6,954.8	
	8	$223,027	92.62	8	$2,200,000	6,988.9	
	7	$195,148	92.54	7	$1,925,000	7,023.1	
	6	$167,270	92.46	6	$1,650,000	7,057.3	
	5	$139,392	92.37	5	$1,375,000	7,091.4	
	4	$111,513	92.29	4	$1,100,000	7,125.6	
	3	$83,635	92.21	3	$825,000	7,159.7	
	2	$55,757	92.13	2	$550,000	7,193.9	
	1	$27,878	92.05	1	$275,000	7,228.1	
		$0	91.96	0	$0	7,262.2	
	0	$0	91.96	0	$0	7,337.2	
		$0	91.96	0	$0	7,412.2	
	-1	($25,305)	91.79	-0.094	($25,850)	7,415.4	****
	-2	($50,610)	91.62	-1	($275,000)	7,446.4	
	-3	($75,915)	91.45	-2	($550,000)	7,480.5	
	-4	($101,220)	91.28	-3	($825,000)	7,514.7	
	-5	($126,525)	91.11	-4	($1,100,000)	7,548.8	
	-6	($151,830)	90.94	-5	($1,375,000)	7,583.0	
	-7	($177,135)	90.77	-6	($1,650,000)	7,617.2	
	-8	($202,440)	90.60	-7	($1,925,000)	7,651.3	
	-9	($227,745)	90.43	-8	($2,200,000)	7,685.5	
	-10	($253,049)	90.26	-9	($2,475,000)	7,719.6	
****	-10	($253,049)	90.26	-10	($2,750,000)	7,753.8	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
0.78%	7.71%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2019 - December 2019

Unit: Hines 2

	Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)	
****	10	$81,517	92.88	10	$1,811,231	7,225.7	
	10	$81,517	92.88	9	$1,630,108	7,245.7	
	9	$73,366	92.81	8	$1,448,985	7,265.7	
	8	$65,214	92.74	7	$1,267,862	7,285.8	
	7	$57,062	92.66	6	$1,086,738	7,305.8	
	6	$48,910	92.59	5	$905,615	7,325.9	
	5	$40,759	92.52	4	$724,492	7,345.9	
	4	$32,607	92.45	3	$543,369	7,366.0	
	3	$24,455	92.37	2	$362,246	7,386.0	
	2	$16,303	92.30	1	$181,123	7,406.1	
	1	$8,152	92.23	0	$0	7,426.1	
		$0	92.15	0	$0	7,501.1	
	0	$0	92.15	0	$0	7,576.1	
		$0	92.15	-1	($181,123)	7,596.1	
	-1	($34,725)	92.00	-1.093	($197,968)	7,598.0	****
	-2	($69,450)	91.85	-2	($362,246)	7,616.2	
	-3	($104,175)	91.70	-3	($543,369)	7,636.2	
	-4	($138,900)	91.55	-4	($724,492)	7,656.3	
	-5	($173,625)	91.40	-5	($905,615)	7,676.3	
	-6	($208,350)	91.24	-6	($1,086,738)	7,696.4	
	-7	($243,075)	91.09	-7	($1,267,862)	7,716.4	
	-8	($277,800)	90.94	-8	($1,448,985)	7,736.4	
	-9	($312,525)	90.79	-9	($1,630,108)	7,756.5	
	-10	($347,250)	90.64	-10	($1,811,231)	7,776.5	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
0.23%	5.08%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2019 - December 2019

Unit: Hines 3

	Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)	
****	10	$369,550	89.19	10	$1,788,615	7,109.8	
	10	$369,550	89.19	9	$1,609,754	7,126.8	
	9	$332,595	89.08	8	$1,430,892	7,143.7	
	8	$295,640	88.97	7	$1,252,031	7,160.7	
	7	$258,685	88.86	6	$1,073,169	7,177.6	
	6	$221,730	88.75	5	$894,308	7,194.6	
	5	$184,775	88.64	4	$715,446	7,211.5	
	4	$147,820	88.53	3	$536,585	7,228.5	
	3	$110,865	88.42	2	$357,723	7,245.4	
	2	$73,910	88.31	1	$178,862	7,262.4	
	1	$36,955	88.20	0	$0	7,279.3	
		$0	88.09	0.000	$0	7,359.1	****
	0	$0	88.09	0	$0	7,354.3	
		$0	88.09	0	$0	7,429.3	
	-1	($16,937)	87.86	-1	($178,862)	7,446.2	
	-2	($33,873)	87.64	-2	($357,723)	7,463.2	
	-3	($50,810)	87.41	-3	($536,585)	7,480.1	
	-4	($67,746)	87.18	-4	($715,446)	7,497.1	
	-5	($84,683)	86.96	-5	($894,308)	7,514.0	
	-6	($101,619)	86.73	-6	($1,073,169)	7,531.0	
	-7	($118,556)	86.50	-7	($1,252,031)	7,547.9	
	-8	($135,492)	86.28	-8	($1,430,892)	7,564.9	
	-9	($152,429)	86.05	-9	($1,609,754)	7,581.8	
	-10	($169,365)	85.82	-10	($1,788,615)	7,598.8	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
1.04%	5.02%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2019 - December 2019

Unit: Hines 4

	Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)	
****	10	$1,026,341	85.53	10	$1,756,447	6,838.4	
	10	$1,026,341	85.53	9	$1,580,802	6,852.1	
	9	$923,707	85.09	8	$1,405,157	6,865.8	
	8	$821,073	84.66	7	$1,229,513	6,879.5	
	7	$718,439	84.22	6	$1,053,868	6,893.2	
	6	$615,805	83.78	5	$878,223	6,906.8	
	5	$513,170	83.35	4	$702,579	6,920.5	
	4	$410,536	82.91	3	$526,934	6,934.2	
	3	$307,902	82.48	2	$351,289	6,947.9	
	2	$205,268	82.04	1	$175,645	6,961.6	
	1	$102,634	81.60	0	$0	6,975.3	
		$0	81.17	0.000	$0	7,008.0	****
	0	$0	81.17	0	$0	7,050.3	
		$0	81.17	0	$0	7,125.3	
	-1	($256,892)	80.27	-1	($175,645)	7,139.0	
	-2	($513,784)	79.36	-2	($351,289)	7,152.7	
	-3	($770,677)	78.46	-3	($526,934)	7,166.4	
	-4	($1,027,569)	77.56	-4	($702,579)	7,180.1	
	-5	($1,284,461)	76.66	-5	($878,223)	7,193.8	
	-6	($1,541,353)	75.75	-6	($1,053,868)	7,207.5	
	-7	($1,798,246)	74.85	-7	($1,229,513)	7,221.2	
	-8	($2,055,138)	73.95	-8	($1,405,157)	7,234.9	
	-9	($2,312,030)	73.04	-9	($1,580,802)	7,248.5	
	-10	($2,568,922)	72.14	-10	($1,756,447)	7,262.2	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
2.88%	4.93%

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Bartow CC	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-Dec Period
1. EAF	98.52	97.86	62.26	85.22	96.58	99.14	99.54	99.71	96.37	38.49	33.06	74.66	81.69
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	603.9	593.9	485.5	612.3	712.0	695.1	737.1	740.6	670.4	278.8	189.6	483.5	6,802.7
4. RSH	129.0	65.0	8.7	1.3	12.3	20.2	4.2	1.8	23.8	7.6	48.8	71.9	394.7
5. UH	11.0	13.1	248.8	106.4	19.7	4.7	2.7	1.7	25.8	457.6	482.6	188.6	1,562.6
6. POH	0.0	0.0	234.0	70.6	0.0	0.0	0.0	0.0	24.6	457.6	482.5	169.2	1,438.5
7. FOH	8.5	13.1	0.0	14.1	9.2	4.7	1.2	0.7	1.2	0.0	0.1	0.0	52.7
8. MOH	2.5	0.0	14.8	21.7	10.6	0.0	1.5	0.9	0.0	0.0	0.0	19.4	71.4
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	21.6	0.0	0.0	15.4	24.8	1.9	1.2	1.8	0.0	0.0	0.0	66.7
12. LR PF (MW)	0.0	67.0	0.0	0.0	187.0	67.0	186.8	187.1	187.6	0.0	0.0	0.0	103.5
13. PMOH	0.0	0.0	182.7	0.0	17.8	0.0	2.3	1.5	0.0	0.0	0.0	0.0	204.4
14. LR PM (MW)	0.0	0.0	187.0	0.0	187.0	0.0	187.2	187.3	0.0	0.0	0.0	0.0	187.0
15. NSC (MW)	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080
16. OPER MBTU	3,968,623	3,524,794	2,757,930	3,820,788	4,860,440	4,828,905	5,080,089	5,207,503	4,502,703	0	0	2,877,618	41,429,394
17. NET GEN (MWH)	519,987	458,412	365,538	483,493	640,960	630,820	650,624	679,421	574,195	0	0	378,620	5,382,070
18. ANOHR (BTU/KWH)	7,632.2	7,689.1	7,544.9	7,902.5	7,583.1	7,655.0	7,808.0	7,664.6	7,841.8	0.0	0.0	7,600.3	7,697.7
19. NOF (%)	79.72	71.47	69.72	73.11	83.36	84.03	81.73	84.95	73.11	0.00	0.00	81.73	81.34
20. NPC (MW)	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080	1,080
ANOHR EQUATION:	ANOHR=	-25.878	x NOF +	9,778.34									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Crystal River 4	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-Dec Period
1. EAF	95.90	98.58	99.85	99.10	99.94	98.66	98.20	57.66	71.51	81.08	94.93	35.48	85.75
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	249.0	85.3	743.0	720.0	744.0	720.0	742.2	263.4	545.9	606.4	627.6	0.0	6,046.6
4. RSH	465.5	582.4	0.0	0.0	0.0	0.0	0.0	169.8	79.1	0.0	69.4	264.0	1,630.2
5. UH	29.6	4.2	0.0	0.0	0.0	0.0	1.9	310.8	95.1	137.6	24.0	480.0	1,083.2
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	480.0	504.0
7. FOH	29.6	4.2	0.0	0.0	0.0	0.0	0.0	310.8	95.1	137.6	0.0	0.0	577.3
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	1.9
9. PPOH	0.0	6.7	8.5	39.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.7
10. LR PP (MW)	0.0	93.0	93.0	108.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.1
11. PFOH	2.2	2.9	0.0	1.7	0.0	70.0	71.5	17.6	525.6	9.7	38.8	0.0	740.0
12. LR PF (MW)	284.4	93.0	0.0	188.0	0.0	98.2	115.2	171.0	149.1	231.9	231.1	0.0	147.2
13. PMOH	0.0	31.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.3
14. LR PM (MW)	0.0	93.0	0.0	0.0	93.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	93.0
15. NSC (MW)	712	712	712	712	712	712	712	712	712	712	712	712	712
16. OPER MBTU	917,440	391,844	3,216,166	3,273,475	3,558,000	3,435,077	3,020,101	1,170,419	1,954,665	2,891,216	3,214,753	0	27,043,156
17. NET GEN (MWH)	82,152	31,051	323,578	318,328	344,212	326,986	288,033	104,856	181,143	294,269	326,021	0	2,620,629
18. ANOHR (BTU/KWH)	11,167.6	12,619.4	9,939.4	10,283.3	10,336.7	10,505.3	10,485.3	11,162.2	10,790.7	9,825.1	9,860.6	0.0	10,319.3
19. NOF (%)	46.35	51.11	61.17	62.10	64.98	63.78	54.51	55.92	46.61	68.16	72.96	0.00	60.87
20. NPC (MW)	712	712	712	712	712	712	712	712	712	712	712	712	712

ANOHR EQUATION: ANOHR= -31.322 x NOF + 12,583.90

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Crystal River 5	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-Dec Period
1. EAF	99.93	78.57	0.00	0.00	0.05	55.99	77.95	92.04	96.29	99.37	75.45	35.48	59.14
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	547.7	0.0	0.0	0.0	0.0	453.3	598.3	551.6	711.6	744.0	527.6	0.0	4,134.0
4. RSH	196.3	528.0	0.0	0.0	0.0	0.0	22.1	192.4	8.4	0.0	25.9	264.0	1,237.1
5. UH	0.0	144.0	743.0	720.0	743.6	266.7	123.7	0.0	0.0	0.0	167.6	480.0	3,388.5
6. POH	0.0	144.0	743.0	720.0	311.0	0.0	0.0	0.0	0.0	0.0	24.0	480.0	2,422.0
7. FOH	0.0	0.0	0.0	0.0	432.6	266.7	0.0	0.0	0.0	0.0	143.6	0.0	842.8
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	123.7	0.0	0.0	0.0	0.0	0.0	123.7
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.5	0.0	0.0	32.5	0.0	41.9
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	0.0	0.0	92.8	0.0	75.1
11. PFOH	1.0	0.0	0.0	0.0	0.0	585.3	402.5	435.0	67.7	8.0	40.5	0.0	1,540.0
12. LR PF (MW)	377.0	0.0	0.0	0.0	0.0	60.9	71.2	96.3	280.4	282.0	91.0	0.0	85.4
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	9.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120.0	0.0	0.0	120.0
15. NSC (MW)	710	710	710	710	710	710	710	710	710	710	710	710	710
16. OPER MBTU	2,006,569	0	0	0	13,291	1,663,716	2,298,627	2,289,894	2,963,269	3,539,459	2,519,396	0	17,294,221
17. NET GEN (MWH)	185,022	0	0	0	0	148,500	226,349	214,475	293,804	365,817	267,021	0	1,700,988
18. ANOHR (BTU/KWH)	10,845.0	0.0	0.0	0.0	0.0	11,203.5	10,155.2	10,676.7	10,085.9	9,675.5	9,435.2	0.0	10,167.2
19. NOF (%)	47.58	0.00	0.00	0.00	0.00	46.14	53.29	54.77	58.15	69.25	71.29	0.00	57.95
20. NPC (MW)	710	710	710	710	710	710	710	710	710	710	710	710	710
ANOHR EQUATION:	ANOHR=	-24.714	x NOF +	11,961.49									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Hines 1	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-Dec Period
1. EAF	47.59	89.85	98.58	39.42	76.09	95.54	98.28	99.88	99.22	100.00	99.91	100.00	87.05
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	356.2	588.3	669.0	260.0	562.9	555.8	705.6	744.0	676.3	726.6	721.0	265.0	6,830.6
4. RSH	25.7	17.4	66.4	28.5	5.0	138.1	25.8	0.0	38.8	17.4	0.0	479.0	842.2
5. UH	362.1	66.2	7.6	431.5	176.1	26.1	12.6	0.0	4.9	0.0	0.0	0.0	1,087.3
6. POH	0.0	0.0	0.0	391.9	158.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	550.6
7. FOH	6.7	0.0	7.6	39.6	5.8	26.1	12.6	0.0	4.9	0.0	0.0	0.0	103.4
8. MOH	355.4	66.2	0.0	0.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	433.3
9. PPOH	0.0	0.0	12.1	0.0	11.3	0.0	0.0	6.2	5.3	0.0	0.0	0.0	34.9
10. LR PP (MW)	0.0	0.0	68.1	0.0	50.3	0.0	0.0	68.1	63.7	0.0	0.0	0.0	61.7
11. PFOH	166.5	12.0	7.3	26.3	5.4	69.3	12.3	0.0	0.0	0.0	4.0	0.0	303.1
12. LR PF (MW)	82.0	82.0	85.1	78.4	51.3	42.4	8.0	0.0	0.0	0.0	74.5	0.0	69.1
13. PMOH	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
14. LR PM (MW)	0.0	0.0	0.0	78.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.1
15. NSC (MW)	490	490	490	490	490	490	490	490	490	490	490	490	490
16. OPER MBTU	872,136	1,738,925	1,939,335	666,151	1,699,555	1,636,821	2,139,685	2,310,949	2,006,923	2,318,967	2,438,084	802,632	20,570,163
17. NET GEN (MWH)	114,118	234,944	260,779	88,049	226,948	220,581	284,517	314,211	269,663	315,031	336,111	109,638	2,774,590
18. ANOHR (BTU/KWH)	7,642.4	7,401.4	7,436.7	7,565.7	7,488.7	7,420.5	7,520.4	7,354.8	7,442.3	7,361.1	7,253.8	7,320.7	7,413.8
19. NOF (%)	65.39	81.50	79.55	69.13	82.29	80.99	82.29	86.19	81.38	88.48	95.14	84.44	82.90
20. NPC (MW)	490	490	490	490	490	490	490	490	490	490	490	490	490
ANOHR EQUATION:	ANOHR=	-6.116	x NOF +	7,842.57									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Hines 2	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-Dec Period
1. EAF	99.35	99.93	54.47	100.00	99.98	99.86	99.90	99.83	99.41	99.46	100.00	100.00	95.95
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	522.1	594.2	262.4	703.8	741.6	693.4	743.0	738.0	651.3	669.5	721.0	744.0	7,784.3
4. RSH	217.0	77.8	142.3	16.2	2.4	26.6	1.0	6.0	64.4	71.4	0.0	0.0	625.3
5. UH	4.8	0.0	338.3	0.0	0.0	0.0	0.0	0.0	4.3	3.1	0.0	0.0	350.5
6. POH	0.0	0.0	331.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	331.3
7. FOH	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.1	0.0	0.0	11.5
8. MOH	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	7.7
9. PPOH	0.0	4.5	0.0	0.0	1.5	4.0	6.3	10.3	0.0	8.0	0.0	0.0	34.6
10. LR PP (MW)	0.0	51.1	0.0	0.0	56.4	126.0	59.5	62.2	0.0	60.8	0.0	0.0	67.1
11. PFOH	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
12. LR PF (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
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)	512	512	512	512	512	512	512	512	512	512	512	512	512
16. OPER MBTU	1,575,600	1,841,414	767,331	2,404,824	2,515,630	2,265,725	2,430,450	2,416,542	2,033,709	2,288,147	2,548,196	2,314,478	25,402,044
17. NET GEN (MWH)	216,465	250,392	94,594	326,935	338,507	305,167	325,431	323,493	271,218	308,402	345,625	311,830	3,418,059
18. ANOHR (BTU/KWH)	7,278.8	7,354.1	8,111.8	7,355.7	7,431.5	7,424.5	7,468.4	7,470.2	7,498.4	7,419.4	7,372.7	7,422.2	7,431.7
19. NOF (%)	80.97	82.31	70.40	90.73	89.15	85.96	85.55	85.61	81.33	89.97	93.63	81.86	85.76
20. NPC (MW)	512	512	512	512	512	512	512	512	512	512	512	512	512
ANOHR EQUATION:	ANOHR=	-16.213	x NOF +	8,725.21									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Hines 3	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-Dec Period
1. EAF	99.51	100.00	99.99	95.45	99.92	99.20	99.54	99.07	97.60	25.65	98.77	99.99	92.78
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	700.1	638.3	343.6	606.6	744.0	604.2	726.7	702.2	640.5	190.9	658.5	395.4	6,950.9
4. RSH	40.7	33.7	399.4	86.5	0.0	112.4	13.9	34.8	63.4	0.0	55.0	348.6	1,188.3
5. UH	3.2	0.0	0.0	26.9	0.0	3.4	3.4	7.0	16.1	553.1	7.6	0.0	620.8
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	553.1	0.0	0.0	553.1
7. FOH	3.2	0.0	0.0	23.9	0.0	3.4	3.4	0.0	16.1	0.0	7.6	0.0	57.7
8. MOH	0.0	0.0	0.0	3.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	10.0
9. PPOH	0.0	0.0	1.0	18.8	5.8	8.0	0.0	0.0	8.0	0.0	0.0	0.7	42.4
10. LR PP (MW)	0.0	0.0	52.2	54.8	55.0	127.3	0.0	0.0	40.2	0.0	0.0	33.5	65.3
11. PFOH	3.3	0.0	0.0	24.5	0.0	3.7	0.0	0.0	3.2	0.0	7.8	0.0	42.4
12. LR PF (MW)	75.3	0.0	0.0	80.4	0.0	49.6	0.0	0.0	83.3	0.0	87.3	0.0	78.8
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)	516	516	516	516	516	516	516	516	516	516	516	516	516
16. OPER MBTU	2,287,431	1,840,031	1,054,849	1,858,493	2,424,687	1,893,691	2,266,552	2,205,309	1,947,286	649,818	2,122,817	1,146,754	21,697,718
17. NET GEN (MWH)	308,437	251,190	147,150	263,134	337,696	262,628	316,781	307,592	266,440	91,572	304,172	154,744	3,011,536
18. ANOHR (BTU/KWH)	7,416.2	7,325.3	7,168.5	7,062.9	7,180.1	7,210.5	7,155.0	7,169.6	7,308.5	7,096.3	6,979.0	7,410.7	7,204.9
19. NOF (%)	85.38	76.26	82.99	84.07	87.96	84.25	84.48	84.89	80.62	92.98	89.52	75.85	83.96
20. NPC (MW)	516	516	516	516	516	516	516	516	516	516	516	516	516
ANOHR EQUATION:	ANOHR=	-19.597	x NOF +	8,845.53									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Hines 4	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-Dec Period
1. EAF	99.64	99.74	98.79	99.78	99.60	93.95	69.25	98.66	99.73	80.44	7.39	98.96	87.18
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	677.2	637.2	680.2	678.2	738.9	603.6	509.8	702.4	685.3	543.0	53.3	734.8	7,243.8
4. RSH	64.8	33.4	62.8	41.8	2.9	72.8	5.4	31.7	32.8	55.8	0.0	1.5	405.7
5. UH	2.0	1.4	0.0	0.0	2.2	43.6	228.8	10.0	2.0	145.2	667.7	7.7	1,110.5
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	142.8	665.6	6.9	815.3
7. FOH	2.0	1.4	0.0	0.0	2.2	43.6	228.8	0.0	2.0	2.4	2.1	0.8	285.2
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0
9. PPOH	5.5	0.0	202.9	39.8	5.1	0.0	0.0	0.0	0.0	3.5	0.0	0.0	256.8
10. LR PP (MW)	66.1	0.0	21.2	21.0	59.3	0.0	0.0	0.0	0.0	54.4	0.0	0.0	23.3
11. PFOH	0.0	0.0	8.5	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6
12. LR PF (MW)	0.0	0.0	38.7	0.0	55.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0
13. PMOH	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
14. LR PM (MW)	0.0	78.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.1
15. NSC (MW)	516	516	516	516	516	516	516	516	516	516	516	516	516
16. OPER MBTU	2,212,083	1,913,058	2,029,918	2,065,703	2,421,807	1,882,729	1,630,498	2,256,821	2,142,692	1,703,035	122,325	2,268,485	22,649,155
17. NET GEN (MWH)	319,434	276,729	292,615	303,025	342,323	266,653	226,841	313,995	303,106	239,878	17,330	334,807	3,236,736
18. ANOHR (BTU/KWH)	6,925.0	6,913.1	6,937.2	6,816.9	7,074.6	7,060.6	7,187.8	7,187.4	7,069.1	7,099.6	7,058.6	6,775.5	6,997.5
19. NOF (%)	91.42	84.16	83.37	86.59	89.78	85.61	86.24	86.64	85.72	85.61	63.00	88.30	86.59
20. NPC (MW)	516	516	516	516	516	516	516	516	516	516	516	516	516
ANOHR EQUATION:	ANOHR=	-7.869	x NOF +	7,721.26									

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PLANNED OUTAGE SCHEDULES
ACTUAL

Duke Energy Florida
January 2019 - December 2019

Plant/Unit	Planned Outage Dates	Reason for Outage
Bartow CC	03/01 (0000) - 03/25 (2100)	4C: HGP, 4C HRSG & BOP, A&B Exciters
Bartow CC	03/01 (0000) - 04/17 (0856)	4A: Gen Major, 4A HGP, 4A HRSG & BOP, A&B Exciters
Bartow CC	09/28 (0300) - 12/06 (1836)	4S: NERC PRC-025, ST-V, ST-Major HP/IP, DFLP, ST-Gen Minor, BOP
Bartow CC	09/29 (1833) - 01/28/20 (2043)	4B: HGP & Gen Major Rotor Out, Exciters, BOP, ST-V, ST-Major HP/IP, DFLP, ST-Gen Minor
Bartow CC	10/04 (2029) - 11/20 (1111)	4D: HGP & Gen Major Rotor Out, Exciters, BOP, ST-V, ST-Major HP/IP, DFLP, ST-Gen Minor
Bartow CC	11/03 (0707) - 11/12 (0122)	4A: General Gas Turbine Unit Inspection
Bartow CC	11/03 (2345) - 11/10 (2251)	4C: General Gas Turbine Unit Inspection
Crystal River 4	11/30 (0001) - 12/21 (0000)	Control room conversion, flex- clean air work, absorber work
Crystal River 5	02/23 (0000) - 05/13 (2301)	Super heat panels, tube replacement, VFD's, Gen Major, Gen field rewind
Crystal River 5	11/30 (0001) - 12/21 (0000)	Control room conversion, flex- clean air work, absorber work
Hines 1	04/13 (0009) - 05/06 (0000)	CI and CT Gen Minors(A&B), BOP, ST-V
Hines 2	03/02 (0000) - 03/15 (2017)	Balance of Plant Maintenance
Hines 3	10/01 (0100) - 10/24 (2130)	BOP, CT Gen Med Robotic(A&B), L-0 inspection
Hines 4	10/26 (0144) - 12/01 (2033)	BOP, HGP(A), (A) Gen Minor

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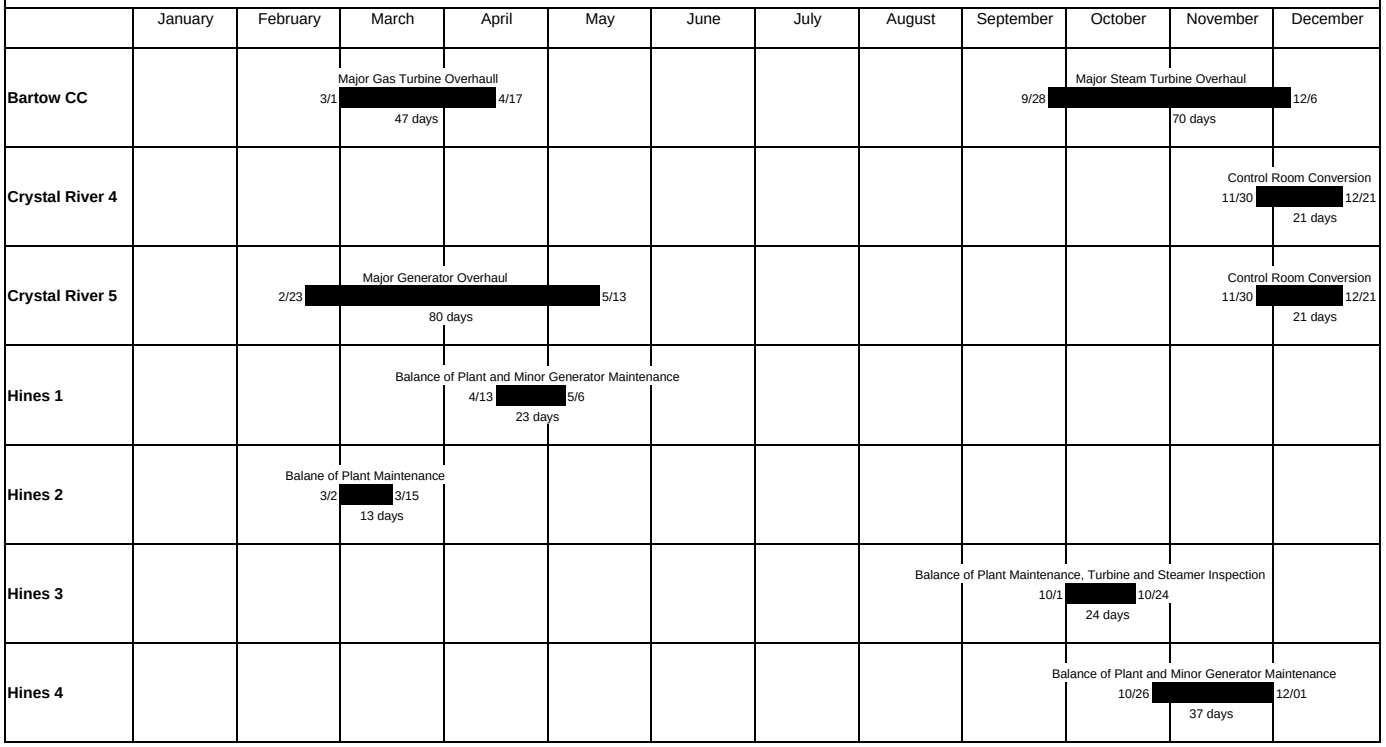
Planned Outage Schedule - Actual

Duke Energy Florida

January 2019 - December 2019



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