DUKE ENERGY FLORIDA

Matthew R. Bernier
Associate General Counsel

March 15, 2018

VIA ELECTRONIC FILING

Ms. Carlotta Stauffer, 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. 20180001-EI*

Dear Ms. Stauffer:

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 ending December 2017; and
- Direct Testimony of Matthew J. Jones with Exhibit No. ___(MJJ-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
cc: Certificate of Service

106 East College Avenue, Suite 800 ▪ Tallahassee, Florida 32301
Phone: 850.521.1428 ▪ Fax: 727.820.5041 ▪ Email: matthew.bernier@duke-energy.com

Duke Energy Florida, LLC

Docket No. 20180001

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 15th day of March, 2018.

s/ Matthew R. Bernier
Attorney

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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor	Docket No. 20180001-EI Filed: March 15, 2018

PETITION FOR APPROVAL OF GPIF RESULTS
FOR THE PERIOD ENDING DECEMBER 2017

Duke Energy Florida, LLC ("DEF") hereby petitions this Commission for approval of its Generating Performance Incentive Factor ("GPIF") results for the period ending December 2017. 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
299 First Avenue North
St. Petersburg, FL, 33701
Dianne.triplett@duke-energy.com

Matthew R. Bernier
106 East College Avenue
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3. By Order No. PSC-2016-0547-FOF-EI, dated December 05, 2016, the Commission approved DEF's GPIF Targets for the period January 2017 through December 2017. The application of the GPIF formula to DEF's performance during that period produces a penalty of $2,301,526. Matters relating to the GPIF are contained in

the prepared direct testimony of DEF witness Matthew J. Jones 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 2018.

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 15th day of March, 2018.

s/Matthew R. Bernier
Attorney

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DUKE ENERGY FLORIDA, LLC

DOCKET NO. 20180001-EI

GPIF Schedules for
January through December 2017

DIRECT TESTIMONY OF MATTHEW J. JONES

March 15, 2018

Q. Please state your name and business address.

A. My name is Matthew J. Jones. 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 Carolinas, LLC ("DEC") as Managing Director of Analytics for Fuels and Systems Optimization.

Q. Describe your responsibilities as Managing Director of Analytics.

A. As Managing Director of 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 DEC, Duke Energy Progress, LLC, Duke Energy Indiana LLC, and Duke Energy Kentucky, Inc. 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. 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 2017. 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. _____ (MJJ-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 penalty of $2,301,526. 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.

Pursuant to Sections 4.3.1 and 4.3.2 of the GPIF Implementation Manual, adjustments were made to remove the impacts of Hurricane Irma in September 2017. This was accomplished by removing generation and fuel used during events specifically identified as hurricane-related and by classifying forced outage hours and partial forced outage hours for those same events as service hours. Hurricane-related events were recorded for Crystal River 4 and 5, and Hines 2 and 3.

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 2017 - December 2017

	Generating Performance Incentive Points (GPIF)	Fuel Savings/Loss ($)	Generating Performance Incentive Factor ($)
	10	$ 47,614,271	$ 20,942,002
	9	$ 42,852,844	$ 18,847,802
	8	$ 38,091,417	$ 16,753,602
	7	$ 33,329,990	$ 14,659,401
	6	$ 28,568,563	$ 12,565,201
	5	$ 23,807,136	$ 10,471,001
	4	$ 19,045,708	$ 8,376,801
	3	$ 14,284,281	$ 6,282,601
	2	$ 9,522,854	$ 4,188,400
	1	$ 4,761,427	$ 2,094,200
	0	$ -	$ -
	-1	$ (5,458,403)	$ (2,094,200)
****	-1.099	$ (5,998,785)	$ (2,301,526)
	-2	$ (10,916,807)	$ (4,188,400)
	-3	$ (16,375,210)	$ (6,282,601)
	-4	$ (21,833,614)	$ (8,376,801)
	-5	$ (27,292,017)	$ (10,471,001)
	-6	$ (32,750,421)	$ (12,565,201)
	-7	$ (38,208,824)	$ (14,659,401)
	-8	$ (43,667,228)	$ (16,753,602)
	-9	$ (49,125,631)	$ (18,847,802)
	-10	$ (54,584,034)	$ (20,942,002)

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Original Sheet No. 6.101.2

GENERATION PERFORMANCE INCENTIVE FACTOR

CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

Duke Energy Florida
January 2017 - December 2017

1	Beginning of period balance of common equity	$ 4,900,112,586	
	END OF MONTH BALANCE OF COMMON EQUITY:		
2	Month of JANUARY 2017	$ 4,960,083,493	
3	Month of FEBRUARY 2017	$ 4,959,787,676	
4	Month of MARCH 2017	$ 4,991,028,125	
5	Month of APRIL 2017	$ 5,033,182,181	
6	Month of MAY 2017	$ 5,088,668,181	
7	Month of JUNE 2017	$ 5,151,971,019	
8	Month of JULY 2017	$ 5,227,865,220	
9	Month of AUGUST 2017	$ 5,219,421,854	
10	Month of SEPTEMBER 2017	$ 5,273,638,030	
11	Month of OCTOBER 2017	$ 5,321,751,129	
12	Month of NOVEMBER 2017	$ 5,357,965,082	
13	Month of DECEMBER 2017	$ 5,617,924,574	
14	Average common equity for the period	$ 5,161,799,935	
15	25 Basis Points	0.0025	
16	Revenue Expansion Factor	61.2073%	
17	Maximum allowed incentive dollars	$ 21,083,260	
18	Jurisdictional Sales *	38,024,013	MWH
19	Total Sales *	38,280,181	MWH
20	Jurisdictional Separation Factor	99.3300%	
21	Maximum allowed jurisdictional incentive dollars	$ 20,942,002	
22	Incentive Cap (50% of Projected Fuel Savings at 10 GPIF Point Level) From Sheet No. 6.101.1	$ 23,807,136	
23	Maximum Allowed GPIF Reward (Lesser of Line 21 and Line 22)	$ 20,942,002	

* Net sales (Sales - Interruptible)

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GENERATION PERFORMANCE INCENTIVE FACTOR

CALCULATION OF SYSTEM ACTUAL GPIF POINTS

Duke Energy Florida
January 2017 - December 2017

Plant/Unit	Performance Indicator EAF or ANOHR	Weighting Factor %	Unit Points	Weighted Unit Points
Bartow CC	EAF	3.45	-10.000	-0.345
	ANOHR	19.62	-10.000	-1.962
Crystal River 4	EAF	5.04	-9.288	-0.468
	ANOHR	14.25	3.263	0.465
Crystal River 5	EAF	2.10	-7.257	-0.153
	ANOHR	14.70	2.297	0.338
Hines 1	EAF	0.37	-9.227	-0.034
	ANOHR	9.27	4.270	0.396
Hines 2	EAF	5.86	10.000	0.586
	ANOHR	5.06	-0.943	-0.048
Hines 3	EAF	0.87	-3.225	-0.028
	ANOHR	10.99	1.176	0.129
Hines 4	EAF	0.25	10.000	0.025
	ANOHR	8.18	0.000	0.000
GPIF System		100.00		-1.099

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Original Sheet No. 6.101.4

GENERATION PERFORMANCE INCENTIVE FACTOR
GPIF UNIT PERFORMANCE SUMMARY

Duke Energy Florida
January 2017 - December 2017

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	3.45	90.21	92.62	85.32	$1,643	($2,937)	84.72	($2,937)
Crystal River 4	5.04	88.23	92.41	80.01	$2,398	($4,765)	80.59	($4,426)
Crystal River 5	2.10	88.60	90.23	85.27	$1,002	($2,076)	86.19	($1,506)
Hines 1	0.37	91.52	92.29	89.91	$178	($138)	90.03	($127)
Hines 2	5.86	67.95	80.55	41.49	$2,788	($4,567)	93.89	$2,788
Hines 3	0.87	87.26	89.00	83.72	$413	($856)	86.12	($276)
Hines 4	0.25	89.44	91.71	84.73	$117	($170)	92.16	$117
GPIF System	17.93				$8,537.7	($15,507.5)		($6,366.6)

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	19.62	7,324	90.6	6,968	7,681	$9,342	($9,342)	7,909	($9,342)
Crystal River 4	14.25	10,255	84.8	9,814	10,697	$6,784	($6,784)	10,060	$2,214
Crystal River 5	14.70	9,848	85.8	9,392	10,303	$7,001	($7,001)	9,685	$1,608
Hines 1	9.27	7,515	83.2	7,043	7,987	$4,412	($4,412)	7,270	$1,884
Hines 2	5.06	7,287	89.6	6,956	7,619	$2,411	($2,411)	7,387	($227)
Hines 3	10.99	7,171	97.2	6,676	7,666	$5,232	($5,232)	7,046	$615
Hines 4	8.18	7,018	99.6	6,716	7,321	$3,895	($3,895)	6,971	$0
GPIF System	82.07					$39,076.5	($39,076.5)		($3,248.2)

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Original Sheet No. 6.101.5

GENERATION PERFORMANCE INCENTIVE FACTOR
ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida
January 2017 - December 2017

Plant/Unit	ACTUAL EAF %	ADJUSTMENTS (1) TO EAF %	ADJUSTED ACTUAL EAF %
Bartow CC	87.48	-2.76	84.72
Crystal River 4	82.07	-1.48	80.59
Crystal River 5	75.29	10.90	86.19
Hines 1	89.12	0.92	90.03
Hines 2	91.42	2.47	93.89
Hines 3	87.82	-1.70	86.12
Hines 4	88.69	3.46	92.16

Plant/Unit	ACTUAL ANOHR BTU/KWH	ADJUSTMENTS (2) TO ANOHR BTU/KWH	ADJUSTED ACTUAL ANOHR BTU/KWH
Bartow CC	7,972.6	-63.8	7,908.8
Crystal River 4	10,284.0	-223.6	10,060.5
Crystal River 5	10,042.7	-357.3	9,685.3
Hines 1	7,267.9	2.2	7,270.1
Hines 2	7,470.0	-83.5	7,386.6
Hines 3	7,083.5	-37.0	7,046.5
Hines 4	7,022.2	-51.1	6,971.1

(1) For documentation of adjustments to actual EAF, see sheet 6.
(2) For documentation of adjustments to actual ANOHR, see sheet 7.

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GENERATION PERFORMANCE INCENTIVE FACTOR
ADJUSTMENTS TO EAF ACTUAL

Duke Energy Florida
January 2017 - December 2017

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.	135.75	83.94	1,715.91	683 33	698.04	634.28	814.10
2	Target POH	Hrs.	408 00	240.00	696.00	600 00	480.00	792.00	504 00
3	Adj. Factor (PH-POHT/PH-POHA)		0.97	0.98	1.14	1 01	1.03	0.98	1 04
4	Actual EUOH	Hrs.	961.13	1,486.68	448.99	270.19	53.41	432.29	176 33
5	Adj. EUOH (3*4)	Hrs.	930.79	1,459.94	514.00	272.98	54.85	423.90	183 21
6	Actual EAF	%	87.48	82.07	75.29	89.12	91.42	87.82	88 69
7	Adjusted EAF (using 2 & 5)	%	84.72	80.59	86.19	90 03	93.89	86.12	92.16
8	Difference (7-6)	%	-2.76	-1.48	10.90	0.92	2.47	-1.70	3.46
9	Total adj. to EAF	%	-2.76	-1.48	10.90	0.92	2.47	-1.70	3.46

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GENERATION PERFORMANCE INCENTIVE FACTOR
ADJUSTMENTS TO ANOHR ACTUAL

Duke Energy Florida
January 2017 - December 2017

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	%	90.6	84.8	85 8	83.2	89.6	97 2	99.6
2	Target ANOHR	Btu/kwh	7324.3	10255.1	9847 8	7514.6	7287.4	7170.9	7018.5
3	Actual NOF	%	81.8	73.9	73 8	83.3	83.8	84.4	88.4
4	Calc. ANOHR (using 3)	Btu/kwh	7,388.0	10,478.6	10,205.1	7,512.4	7,370.8	7,207.9	7,069.6
5	Total adj. to ANOHR (2-4)	Btu/kwh	-63.8	-223.6	-357 3	2.2	-83.5	-37 0	-51.1

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2017 - December 2017

Unit: Bartow CC

	Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)	
	10	$1,642,526	92.62	10	$9,341,632	6,967.9	
	9	$1,478,274	92.38	9	$8,407,468	6,996.1	
	8	$1,314,021	92.14	8	$7,473,305	7,024.2	
	7	$1,149,768	91.90	7	$6,539,142	7,052.3	
	6	$985,516	91.66	6	$5,604,979	7,080.5	
	5	$821,263	91.42	5	$4,670,816	7,108.6	
	4	$657,011	91.18	4	$3,736,653	7,136.7	
	3	$492,758	90.94	3	$2,802,489	7,164.9	
	2	$328,505	90.70	2	$1,868,326	7,193.0	
	1	$164,253	90.45	1	$934,163	7,221.1	
		$0	90.21	0	$0	7,249.3	
	0	$0	90.21	0	$0	7,324.3	
		$0	90.21	0	$0	7,399.3	
	-1	($293,657)	89.72	-1	($934,163)	7,427.4	
	-2	($587,314)	89.24	-2	($1,868,326)	7,455.6	
	-3	($880,970)	88.75	-3	($2,802,489)	7,483.7	
	-4	($1,174,627)	88.26	-4	($3,736,653)	7,511.8	
	-5	($1,468,284)	87.77	-5	($4,670,816)	7,540.0	
	-6	($1,761,941)	87.28	-6	($5,604,979)	7,568.1	
	-7	($2,055,598)	86.79	-7	($6,539,142)	7,596.2	
	-8	($2,349,254)	86.30	-8	($7,473,305)	7,624.4	
	-9	($2,642,911)	85.81	-9	($8,407,468)	7,652.5	
	-10	($2,936,568)	85.32	-10	($9,341,632)	7,680.6	
****	-10	($2,936,568)	85.32	-10	($9,341,632)	7,680.6	****

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
3.45%	19.62%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2017 - December 2017

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	$2,398,324	92.41	10	$6,783,800	9,813.5	
	9	$2,158,491	91.99	9	$6,105,420	9,850.2	
	8	$1,918,659	91.57	8	$5,427,040	9,886.8	
	7	$1,678,827	91.16	7	$4,748,660	9,923.5	
	6	$1,438,994	90.74	6	$4,070,280	9,960.1	
	5	$1,199,162	90.32	5	$3,391,900	9,996.8	
	4	$959,329	89.90	4	$2,713,520	10,033.4	
	3	$719,497	89.48	3.263	$2,213,554	10,060.5	****
	2	$479,665	89.07	3	$2,035,140	10,070.1	
	1	$239,832	88.65	2	$1,356,760	10,106.8	
		$0	88.23	1	$678,380	10,143.4	
	0	$0	88.23	0	$0	10,180.1	
		$0	88.23	0	$0	10,255.1	
	-1	($476,503)	87.41	0	$0	10,330.1	
	-2	($953,007)	86.59	-1	($678,380)	10,366.7	
	-3	($1,429,510)	85.76	-2	($1,356,760)	10,403.4	
	-4	($1,906,013)	84.94	-3	($2,035,140)	10,440.0	
	-5	($2,382,516)	84.12	-4	($2,713,520)	10,476.7	
	-6	($2,859,020)	83.30	-5	($3,391,900)	10,513.3	
	-7	($3,335,523)	82.48	-6	($4,070,280)	10,550.0	
	-8	($3,812,026)	81.65	-7	($4,748,660)	10,586.6	
	-9	($4,288,529)	80.83	-8	($5,427,040)	10,623.3	
****	-9.288	($4,425,762)	80.59	-9	($6,105,420)	10,660.0	
	-10	($4,765,033)	80.01	-10	($6,783,800)	10,696.6	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
5.04%	14.25%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2017 - December 2017

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	$1,001,687	90.23	10	$7,000,976	9,392.2	
	9	$901,518	90.07	9	$6,300,879	9,430.2	
	8	$801,349	89.90	8	$5,600,781	9,468.3	
	7	$701,181	89.74	7	$4,900,683	9,506.3	
	6	$601,012	89.58	6	$4,200,586	9,544.4	
	5	$500,843	89.42	5	$3,500,488	9,582.5	
	4	$400,675	89.25	4	$2,800,391	9,620.5	
	3	$300,506	89.09	3	$2,100,293	9,658.6	
	2	$200,337	88.93	2.297	$1,608,124	9,685.3	****
	1	$100,169	88.77	2	$1,400,195	9,696.6	
		$0	88.60	1	$700,098	9,734.7	
	0	$0	88.60	0	$0	9,772.8	
		$0	88.60	0	$0	9,847.8	
	-1	($207,554)	88.27	0	$0	9,922.8	
	-2	($415,108)	87.94	-1	($700,098)	9,960.8	
	-3	($622,662)	87.60	-2	($1,400,195)	9,998.9	
	-4	($830,216)	87.27	-3	($2,100,293)	10,036.9	
	-5	($1,037,770)	86.94	-4	($2,800,391)	10,075.0	
	-6	($1,245,324)	86.61	-5	($3,500,488)	10,113.1	
	-7	($1,452,879)	86.27	-6	($4,200,586)	10,151.1	
****	-7.257	($1,506,220)	86.19	-7	($4,900,683)	10,189.2	
	-8	($1,660,433)	85.94	-8	($5,600,781)	10,227.2	
	-9	($1,867,987)	85.61	-9	($6,300,879)	10,265.3	
	-10	($2,075,541)	85.27	-10	($7,000,976)	10,303.4	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
2.10%	14.70%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2017 - December 2017

Unit: Hines 1

	Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)	
	10	$177,545	92.29	10	$4,411,985	7,042.6	
	9	$159,790	92.21	9	$3,970,786	7,082.3	
	8	$142,036	92.14	8	$3,529,588	7,122.0	
	7	$124,281	92.06	7	$3,088,389	7,161.7	
	6	$106,527	91.98	6	$2,647,191	7,201.4	
	5	$88,772	91.90	5	$2,205,992	7,241.1	
	4	$71,018	91.83	4.27	$1,883,918	7,270.1	****
	3	$53,263	91.75	4	$1,764,794	7,280.8	
	2	$35,509	91.67	3	$1,323,595	7,320.5	
	1	$17,754	91.60	2	$882,397	7,360.2	
		$0	91.52	1	$441,198	7,399.9	
	0	$0	91.52	0	$0	7,439.6	
		$0	91.52	0	$0	7,514.6	
	-1	($13,754)	91.36	0	$0	7,589.6	
	-2	($27,509)	91.20	-1	($441,198)	7,629.3	
	-3	($41,263)	91.04	-2	($882,397)	7,669.0	
	-4	($55,018)	90.88	-3	($1,323,595)	7,708.7	
	-5	($68,772)	90.71	-4	($1,764,794)	7,748.4	
	-6	($82,527)	90.55	-5	($2,205,992)	7,788.1	
	-7	($96,281)	90.39	-6	($2,647,191)	7,827.8	
	-8	($110,036)	90.23	-7	($3,088,389)	7,867.5	
	-9	($123,790)	90.07	-8	($3,529,588)	7,907.2	
****	-9.227	($126,913)	90.03	-9	($3,970,786)	7,946.9	
	-10	($137,545)	89.91	-10	($4,411,985)	7,986.6	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
0.37%	9.27%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2017 - December 2017

Unit: Hines 2

	Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)	
****	10	$2,788,133	80.55	10	$2,411,093	6,955.8	
	10	$2,788,133	80.55	9	$2,169,983	6,981.4	
	9	$2,509,320	79.29	8	$1,928,874	7,007.1	
	8	$2,230,506	78.03	7	$1,687,765	7,032.8	
	7	$1,951,693	76.77	6	$1,446,656	7,058.4	
	6	$1,672,880	75.51	5	$1,205,546	7,084.1	
	5	$1,394,066	74.25	4	$964,437	7,109.7	
	4	$1,115,253	72.99	3	$723,328	7,135.4	
	3	$836,440	71.73	2	$482,219	7,161.0	
	2	$557,627	70.47	1	$241,109	7,186.7	
	1	$278,813	69.21	0	$0	7,212.4	
		$0	67.95	0	$0	7,287.4	
	0	$0	67.95	0	$0	7,362.4	
		$0	67.95	-0.943	($227,366)	7,386.5	****
	-1	($456,690)	65.30	-1	($241,109)	7,388.0	
	-2	($913,379)	62.66	-2	($482,219)	7,413.7	
	-3	($1,370,069)	60.01	-3	($723,328)	7,439.3	
	-4	($1,826,758)	57.37	-4	($964,437)	7,465.0	
	-5	($2,283,448)	54.72	-5	($1,205,546)	7,490.6	
	-6	($2,740,137)	52.07	-6	($1,446,656)	7,516.3	
	-7	($3,196,827)	49.43	-7	($1,687,765)	7,541.9	
	-8	($3,653,516)	46.78	-8	($1,928,874)	7,567.6	
	-9	($4,110,206)	44.14	-9	($2,169,983)	7,593.3	
	-10	($4,566,896)	41.49	-10	($2,411,093)	7,618.9	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
5.86%	5.06%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2017 - December 2017

Unit: Hines 3

	Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)	
	10	$412,697	89.00	10	$5,231,629	6,675.8	
	9	$371,427	88.83	9	$4,708,467	6,717.8	
	8	$330,158	88.65	8	$4,185,304	6,759.8	
	7	$288,888	88.48	7	$3,662,141	6,801.8	
	6	$247,618	88.31	6	$3,138,978	6,843.8	
	5	$206,349	88.13	5	$2,615,815	6,885.8	
	4	$165,079	87.96	4	$2,092,652	6,927.8	
	3	$123,809	87.78	3	$1,569,489	6,969.9	
	2	$82,539	87.61	2	$1,046,326	7,011.9	
	1	$41,270	87.44	1.176	$615,240	7,046.5	****
		$0	87.26	1	$523,163	7,053.9	
	0	$0	87.26	0	$0	7,095.9	
		$0	87.26	0	$0	7,170.9	
	-1	($85,611)	86.91	0	$0	7,245.9	
	-2	($171,221)	86.55	-1	($523,163)	7,287.9	
	-3	($256,832)	86.20	-2	($1,046,326)	7,329.9	
****	-3.225	($276,095)	86.12	-3	($1,569,489)	7,371.9	
	-4	($342,443)	85.85	-4	($2,092,652)	7,413.9	
	-5	($428,054)	85.49	-5	($2,615,815)	7,455.9	
	-6	($513,664)	85.14	-6	($3,138,978)	7,497.9	
	-7	($599,275)	84.78	-7	($3,662,141)	7,539.9	
	-8	($684,886)	84.43	-8	($4,185,304)	7,581.9	
	-9	($770,497)	84.07	-9	($4,708,467)	7,623.9	
	-10	($856,107)	83.72	-10	($5,231,629)	7,665.9	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
0.87%	10.99%

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida
January 2017 - December 2017

Unit: Hines 4

	Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)	
****	10	$116,833	91.71	10	$3,895,411	6,715.6	
	10	$116,833	91.71	9	$3,505,870	6,738.4	
	9	$105,150	91.48	8	$3,116,329	6,761.2	
	8	$93,467	91.25	7	$2,726,788	6,784.0	
	7	$81,783	91.03	6	$2,337,247	6,806.8	
	6	$70,100	90.80	5	$1,947,706	6,829.6	
	5	$58,417	90.57	4	$1,558,165	6,852.3	
	4	$46,733	90.34	3	$1,168,623	6,875.1	
	3	$35,050	90.12	2	$779,082	6,897.9	
	2	$23,367	89.89	1	$389,541	6,920.7	
	1	$11,683	89.66	0	$0	6,943.5	
		$0	89.44	0.000	$0	6,971.1	****
	0	$0	89.44	0	$0	7,018.5	
		$0	89.44	0	$0	7,093.5	
	-1	($16,982)	88.97	-1	($389,541)	7,116.3	
	-2	($33,964)	88.49	-2	($779,082)	7,139.1	
	-3	($50,946)	88.02	-3	($1,168,623)	7,161.9	
	-4	($67,928)	87.55	-4	($1,558,165)	7,184.6	
	-5	($84,910)	87.08	-5	($1,947,706)	7,207.4	
	-6	($101,892)	86.61	-6	($2,337,247)	7,230.2	
	-7	($118,873)	86.14	-7	($2,726,788)	7,253.0	
	-8	($135,855)	85.67	-8	($3,116,329)	7,275.8	
	-9	($152,837)	85.20	-9	($3,505,870)	7,298.6	
	-10	($169,819)	84.73	-10	($3,895,411)	7,321.4	

Equivalent Availability Weighting Factor:	Heat Rate Weighting Factor:
0.25%	8.18%

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Bartow CC	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-Dec Period
1. EAF	98.64	61.18	54.81	87.33	92.62	96.22	93.82	97.05	94.96	94.72	88.94	87.45	87.48
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	677.0	411.2	365.4	644.2	725.6	703.4	716.1	744.0	673.7	703.5	620.5	669.2	7,653.8
4. RSH	67.0	0.0	41.8	0.0	1.7	11.5	4.4	0.0	30.6	24.7	42.0	0.0	223.5
5. UH	0.0	260.9	335.8	75.8	16.8	5.2	23.6	0.0	15.7	15.8	58.5	74.8	882.7
6. POH	0.0	0.0	41.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	30.8	125.6
7. FOH	0.0	233.1	292.1	75.8	8.0	5.2	23.6	0.0	7.0	0.7	3.7	0.0	649.0
8. MOH	0.0	27.8	2.7	0.0	8.8	0.0	0.0	0.0	8.7	15.1	1.0	44.0	108.1
9. PPOH	56.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.4
10. LR PP (MW)	198.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	198.4
11. PFOH	0.0	0.0	0.0	203.8	521.6	292.5	313.7	288.9	279.5	315.7	279.9	288.9	2,784.4
12. LR PF (MW)	0.0	0.0	0.0	84.0	78.7	83.5	79.0	84.0	81.4	82.3	84.0	71.2	80.6
13. PMOH	0.0	0.0	0.0	0.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5
14. LR PM (MW)	0.0	0.0	0.0	0.0	46.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.5
15. NSC (MW)	1,105	1,105	1,105	1,105	1,105	1,105	1,105	1,105	1,105	1,105	1,105	1,105	1,105
16. OPER MBTU	4,539,060	2,658,016	3,220,610	4,384,107	5,221,540	5,117,090	5,246,283	5,508,700	4,954,829	5,117,858	4,241,007	4,934,341	55,143,442
17. NET GEN (MWH)	616,163	269,471	286,966	529,238	686,378	676,392	682,648	724,438	629,043	658,897	539,445	617,569	6,916,648
18. ANOHR (BTU/KWH)	7,366.7	9,863.8	11,223.0	8,283.8	7,607.4	7,565.3	7,685.2	7,604.1	7,876.8	7,767.3	7,861.8	7,989.9	7,972.6
19. NOF (%)	82.36	59.31	71.06	74.34	85.61	87.03	86.27	88.12	84.50	84.76	78.67	83.51	81.78
20. NPC (MW)	1,105	1,105	1,105	1,105	1,105	1,105	1,105	1,105	1,105	1,105	1,105	1,105	1,105
ANOHR EQUATION:	ANOHR=	-7.262	x NOF +	7,981.94									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Crystal River 4	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-Dec Period
1. EAF	86.49	95.82	93.36	97.90	96.59	97.50	60.17	94.54	89.32	93.75	10.09	69.66	82.07
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	648.7	650.3	696.4	720.0	744.0	712.7	505.4	705.8	695.3	744.0	72.8	519.6	7,414.8
4. RSH	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
5. UH	95.3	21.7	46.6	0.0	0.0	7.4	238.7	38.3	24.7	0.0	648.2	224.4	1,345.2
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	0.0	0.0	0.0	0.0	4.2	123.4	38.3	24.7	0.0	648.2	224.4	1,063.1
8. MOH	95.3	21.7	46.6	0.0	0.0	3.2	115.3	0.0	0.0	0.0	0.0	0.0	282.1
9. PPOH	0.0	0.0	0.0	0.0	164.0	96.0	9.0	9.3	43.3	345.5	0.0	3.5	670.5
10. LR PP (MW)	0.0	0.0	0.0	0.0	65.6	65.0	284.0	93.0	147.7	93.0	0.0	236.0	89.1
11. PFOH	21.1	14.0	13.5	8.4	36.8	2.5	78.0	9.0	90.3	0.9	0.0	0.8	275.3
12. LR PF (MW)	155.5	61.9	93.0	89.2	97.2	164.1	494.0	93.0	334.7	92.7	0.0	93.4	290.2
13. PMOH	4.5	14.8	7.0	46.0	40.1	9.8	0.0	0.0	5.7	1.6	0.0	0.0	129.5
14. LR PM (MW)	93.0	249.0	93.0	217.5	93.0	93.1	0.0	0.0	93.1	561.1	0.0	0.0	161.0
15. NSC (MW)	712	712	712	712	712	712	712	712	712	712	712	712	712
16. OPER MBTU	3,201,197	3,213,960	3,897,728	4,051,925	4,065,264	3,905,693	2,673,655	3,806,783	3,892,131	4,344,195	364,537	2,693,279	40,110,346
17. NET GEN (MWH)	311,345	321,341	390,869	417,993	404,965	371,422	257,492	378,909	357,397	384,385	37,309	266,830	3,900,257
18. ANOHR (BTU/KWH)	10,281.8	10,001.7	9,972.0	9,693.8	10,038.6	10,515.5	10,383.5	10,046.7	10,890.2	11,301.7	9,770.7	10,093.6	10,284.0
19. NOF (%)	67.41	69.40	78.83	81.54	76.45	73.20	71.56	75.41	72.19	72.56	72.00	72.13	73.88
20. NPC (MW)	712	712	712	712	712	712	712	712	712	712	712	712	712
ANOHR EQUATION:	ANOHR=	-20.485	x NOF +	11,992.06									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Crystal River 5	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-Dec Period
1. EAF	99.76	99.71	81.87	76.96	98.67	99.16	99.97	99.92	81.89	64.45	0.00	2.16	75.29
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	744.0	672.0	658.8	607.1	744.0	720.0	744.0	744.0	591.8	479.5	0.0	16.1	6,721.3
4. RSH	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
5. UH	0.0	0.0	84.2	112.9	0.0	0.0	0.0	0.0	128.2	264.5	721.0	728.0	2,038.7
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	264.5	721.0	728.0	1,713.5
7. FOH	0.0	0.0	10.0	112.9	0.0	0.0	0.0	0.0	82.6	0.0	0.0	0.0	205.6
8. MOH	0.0	0.0	74.2	0.0	0.0	0.0	0.0	0.0	45.5	0.0	0.0	0.0	119.7
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	62.7	0.0	0.0	0.0	64.7
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	91.0	0.0	25.0	0.0	0.0	0.0	27.0
11. PFOH	0.0	0.0	6.3	4.3	10.6	38.2	0.0	4.5	0.0	0.0	0.0	0.0	64.0
12. LR PF (MW)	0.0	0.0	150.6	91.3	282.1	113.0	0.0	91.0	0.0	0.0	0.0	0.0	141.8
13. PMOH	13.8	15.0	384.0	408.7	44.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	865.8
14. LR PM (MW)	91.0	91.0	91.0	91.0	91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.0
15. NSC (MW)	710	710	710	710	710	710	710	710	710	710	710	710	710
16. OPER MBTU	3,645,405	3,211,345	3,234,019	3,012,117	4,110,218	3,820,292	4,144,109	3,955,008	3,326,476	2,859,922	0	39,291	35,358,201
17. NET GEN (MWH)	358,248	321,503	331,274	318,570	422,498	376,188	415,873	401,595	312,418	260,943	0	1,689	3,520,799
18. ANOHR (BTU/KWH)	10,175.6	9,988.5	9,762.4	9,455.1	9,728.4	10,155.3	9,964.8	9,848.2	10,647.5	10,960.0	0.0	23,262.6	10,042.7
19. NOF (%)	67.82	67.38	70.82	73.91	79.98	73.59	78.73	76.03	74.35	76.65	0.00	14.82	73.78
20. NPC (MW)	710	710	710	710	710	710	710	710	710	710	710	710	710
ANOHR EQUATION:	ANOHR=	-29.604	x NOF +	12,389.22									

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ACTUAL UNIT PERFORMANCE DATA

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Hines 1	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-Dec Period
1. EAF	100.00	99.83	99.12	15.67	82.77	87.53	95.90	99.98	99.98	93.13	98.46	96.28	89.12
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	603.3	672.0	736.4	112.8	514.8	641.2	722.5	724.2	662.3	653.4	691.8	621.7	7,356.5
4. RSH	140.7	0.0	0.1	0.0	134.8	0.0	1.4	19.8	57.7	40.7	19.0	98.8	512.9
5. UH	0.0	0.0	6.5	607.2	94.4	78.8	20.0	0.0	0.0	50.0	10.2	23.6	890.7
6. POH	0.0	0.0	6.5	607.2	61.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	675.4
7. FOH	0.0	0.0	0.0	0.0	32.7	78.8	20.0	0.0	0.0	3.9	10.2	23.6	169.2
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.1	0.0	0.0	46.1
9. PPOH	0.0	7.5	0.0	0.0	0.0	0.0	64.5	0.9	0.9	5.3	0.0	0.0	79.0
10. LR PP (MW)	0.0	81.1	0.0	0.0	0.0	0.0	45.6	74.4	69.2	78.1	0.0	0.0	51.7
11. PFOH	0.0	0.0	0.0	0.0	287.4	83.5	22.7	0.0	0.0	2.7	0.0	4.1	400.4
12. LR PF (MW)	0.0	0.0	0.0	0.0	60.8	68.2	108.0	0.0	0.0	78.0	0.0	99.0	65.5
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	17.1	21.9
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.0	99.0	99.0
15. NSC (MW)	517	517	517	517	517	517	517	517	517	517	517	517	517
16. OPER MBTU	1,622,731	2,202,517	2,460,422	272,583	1,281,405	1,952,407	2,352,464	2,416,836	2,195,681	2,224,068	2,186,657	1,866,765	23,034,537
17. NET GEN (MWH)	236,527	303,529	341,546	32,942	158,770	264,972	318,889	330,615	303,269	303,077	323,030	252,170	3,169,336
18. ANOHR (BTU/KWH)	6,860.7	7,256.4	7,203.8	8,274.6	8,070.8	7,368.4	7,377.1	7,310.1	7,240.0	7,338.3	6,769.2	7,402.8	7,267.9
19. NOF (%)	75.83	87.37	89.71	56.49	59.65	79.93	85.37	88.30	88.57	89.72	90.32	78.46	83.33
20. NPC (MW)	517	517	517	517	517	517	517	517	517	517	517	517	517
ANOHR EQUATION:	ANOHR=	-16.120	x NOF +	8,855.77									

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ACTUAL UNIT PERFORMANCE DATA

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Hines 2	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-Dec Period
1. EAF	100.00	100.00	99.98	99.98	99.91	99.91	99.19	95.68	72.09	32.74	98.59	100.00	91.42
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	646.2	419.6	743.0	672.7	744.0	720.0	738.8	719.5	507.0	148.4	654.4	487.3	7,200.9
4. RSH	97.8	252.4	0.0	47.3	0.0	0.0	0.0	0.0	14.9	95.1	58.4	256.7	822.6
5. UH	0.0	0.0	0.0	0.0	0.0	0.0	5.2	24.5	198.1	500.5	8.2	0.0	736.5
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	193.9	500.5	0.0	0.0	694.4
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.5	4.2	0.0	8.2	0.0	36.9
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0	5.2
9. PPOH	0.0	0.0	1.5	1.3	5.7	5.3	6.0	4.7	4.8	0.0	0.0	0.0	29.3
10. LR PP (MW)	0.0	0.0	61.9	69.3	62.8	67.6	72.3	67.0	73.8	0.0	0.0	0.0	68.3
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0	9.2	0.0	9.1	0.0	47.3
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	132.4	133.3	0.0	117.4	0.0	129.7
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)	545	545	545	545	545	545	545	545	545	545	545	545	545
16. OPER MBTU	2,054,005	1,332,545	2,664,457	2,274,831	2,441,379	2,465,353	2,600,291	2,455,142	1,731,371	404,828	2,477,952	1,676,714	24,578,869
17. NET GEN (MWH)	277,273	179,574	368,942	301,569	332,165	331,551	351,053	337,111	226,742	50,740	304,921	228,688	3,290,329
18. ANOHR (BTU/KWH)	7,407.9	7,420.6	7,221.9	7,543.3	7,349.9	7,435.8	7,407.1	7,282.9	7,635.9	7,978.5	8,126.5	7,331.9	7,470.0
19. NOF (%)	78.73	78.52	91.11	82.26	81.92	84.49	87.19	85.97	82.06	62.73	85.50	86.11	83.84
20. NPC (MW)	545	545	545	545	545	545	545	545	545	545	545	545	545
ANOHR EQUATION:	ANOHR=	-14.421	x NOF +	8,579.91									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Hines 3	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-Dec Period
1. EAF	96.71	100.00	13.57	100.00	99.82	86.12	94.14	99.88	72.20	100.00	94.57	98.01	87.82
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	419.3	606.7	92.9	694.7	712.0	620.7	701.0	744.0	548.7	744.0	597.6	732.2	7,213.8
4. RSH	304.9	65.3	7.9	25.3	31.3	0.0	0.0	0.0	0.0	0.0	88.1	0.2	522.9
5. UH	19.9	0.0	642.2	0.0	0.7	99.3	43.0	0.0	171.3	0.0	35.3	11.7	1,023.3
6. POH	0.0	0.0	629.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	629.0
7. FOH	0.1	0.0	13.2	0.0	0.7	99.3	0.0	0.0	171.3	0.0	5.4	11.7	301.6
8. MOH	19.8	0.0	0.0	0.0	0.0	0.0	43.0	0.0	0.0	0.0	30.0	0.0	92.7
9. PPOH	0.0	0.0	0.0	0.0	6.0	6.5	6.1	6.9	7.5	0.0	0.0	18.1	51.1
10. LR PP (MW)	0.0	0.0	0.0	0.0	52.7	56.4	54.3	70.8	50.5	0.0	0.0	55.7	56.6
11. PFOH	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	138.0	0.0	0.0	6.2	144.3
12. LR PF (MW)	111.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.1	0.0	0.0	112.0	111.1
13. PMOH	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3	0.0	42.0
14. LR PM (MW)	110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108.1	0.0	109.1
15. NSC (MW)	543	543	543	543	543	543	543	543	543	543	543	543	543
16. OPER MBTU	1,386,224	1,937,839	314,395	2,267,932	2,285,493	2,005,129	2,360,337	2,574,238	1,571,084	2,513,394	1,770,959	2,422,893	23,409,917
17. NET GEN (MWH)	187,937	272,008	38,867	320,313	311,290	281,129	332,181	363,472	223,786	362,479	264,179	347,223	3,304,864
18. ANOHR (BTU/KWH)	7,376.0	7,124.2	8,089.0	7,080.4	7,342.0	7,132.4	7,105.6	7,082.4	7,020.5	6,933.9	6,703.6	6,977.9	7,083.5
19. NOF (%)	82.55	82.57	77.02	84.91	80.52	83.41	87.27	89.97	75.11	89.72	81.41	87.34	84.37
20. NPC (MW)	543	543	543	543	543	543	543	543	543	543	543	543	543
ANOHR EQUATION:	ANOHR=	-2.875	x NOF +	7,450.44									

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ACTUAL UNIT PERFORMANCE DATA

Duke Energy Florida

Hines 4	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-Dec Period
1. EAF	100.00	99.86	100.00	95.89	98.16	96.51	88.76	93.63	99.94	99.53	31.89	60.33	88.69
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8,760
3. SH	627.8	523.0	743.0	693.4	696.3	683.5	675.4	708.2	711.7	741.1	212.1	377.2	7,392.5
4. RSH	116.2	148.3	0.0	0.0	36.8	18.8	9.2	2.3	8.3	0.0	18.3	78.4	436.6
5. UH	0.0	0.8	0.0	26.6	10.9	17.7	59.5	33.5	0.0	2.9	490.7	288.4	930.9
6. POH	0.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0	489.6	288.4	791.8
7. FOH	0.0	0.8	0.0	12.8	10.9	2.7	50.5	33.5	0.0	2.9	1.1	0.0	115.1
8. MOH	0.0	0.0	0.0	0.0	0.0	15.0	9.0	0.0	0.0	0.0	0.0	0.0	24.0
9. PPOH	0.0	0.0	0.0	38.0	0.0	5.7	0.0	80.9	3.3	0.0	1.5	36.6	166.0
10. LR PP (MW)	0.0	0.0	0.0	41.8	0.0	63.4	0.0	73.5	71.2	0.0	59.9	96.8	70.9
11. PFOH	0.0	0.8	0.0	0.0	12.3	50.1	171.7	20.3	0.0	3.3	1.3	0.0	259.7
12. LR PF (MW)	0.0	106.8	0.0	0.0	119.8	70.3	74.1	67.8	0.0	87.7	99.7	0.0	75.5
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)	527	527	527	527	527	527	527	527	527	527	527	527	527
16. OPER MBTU	2,201,630	1,738,601	2,513,745	2,290,296	2,052,515	2,126,811	2,092,652	2,289,826	2,406,845	2,623,558	642,657	1,207,471	24,186,606
17. NET GEN (MWH)	302,283	247,902	367,494	323,783	295,301	304,140	294,537	323,452	344,501	370,699	96,832	173,376	3,444,300
18. ANOHR (BTU/KWH)	7,283.3	7,013.3	6,840.2	7,073.6	6,950.6	6,992.9	7,104.9	7,079.3	6,986.5	7,077.3	6,636.8	6,964.5	7,022.2
19. NOF (%)	91.37	89.95	93.85	88.61	80.47	84.44	82.75	86.66	91.85	94.92	86.65	87.22	88.41
20. NPC (MW)	527	527	527	527	527	527	527	527	527	527	527	527	527
ANOHR EQUATION:	ANOHR=	-4.571	x NOF +	7,473.73									

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PLANNED OUTAGE SCHEDULES
ACTUAL

Duke Energy Florida
January 2017 - December 2017

Plant/Unit	Planned Outage Dates	Reason for Outage
Bartow CC	03/04 (0015) - 03/15 (0715)	Gas Fuel System with controls and instruments
Bartow CC	11/04 (2123) - 12/09 (1053)	Gas Turbine - Boroscope Inspection, Gas Fuel System with controls and instrument
Crystal River 5	10/20 (2330) - 12/31 (0757)	Major Boiler Overhaul (720 Hours or Longer)
Hines 1	03/31 (0402) - 05/08 (2045)	General Gas Turbine Unit Inspection
Hines 2	09/22 (2143) - 10/25 (1453)	Distributive Control System Upgrades
Hines 3	03/03 (2305) - 03/30 (1944)	General Gas Turbine Unit Inspection
Hines 4	04/08 (2315) - 04/09 (1537)	Turbine Hydraulic System Pipes And Valves
Hines 4	11/09 (1640) - 12/16 (1845)	Distributive Control System Upgrades

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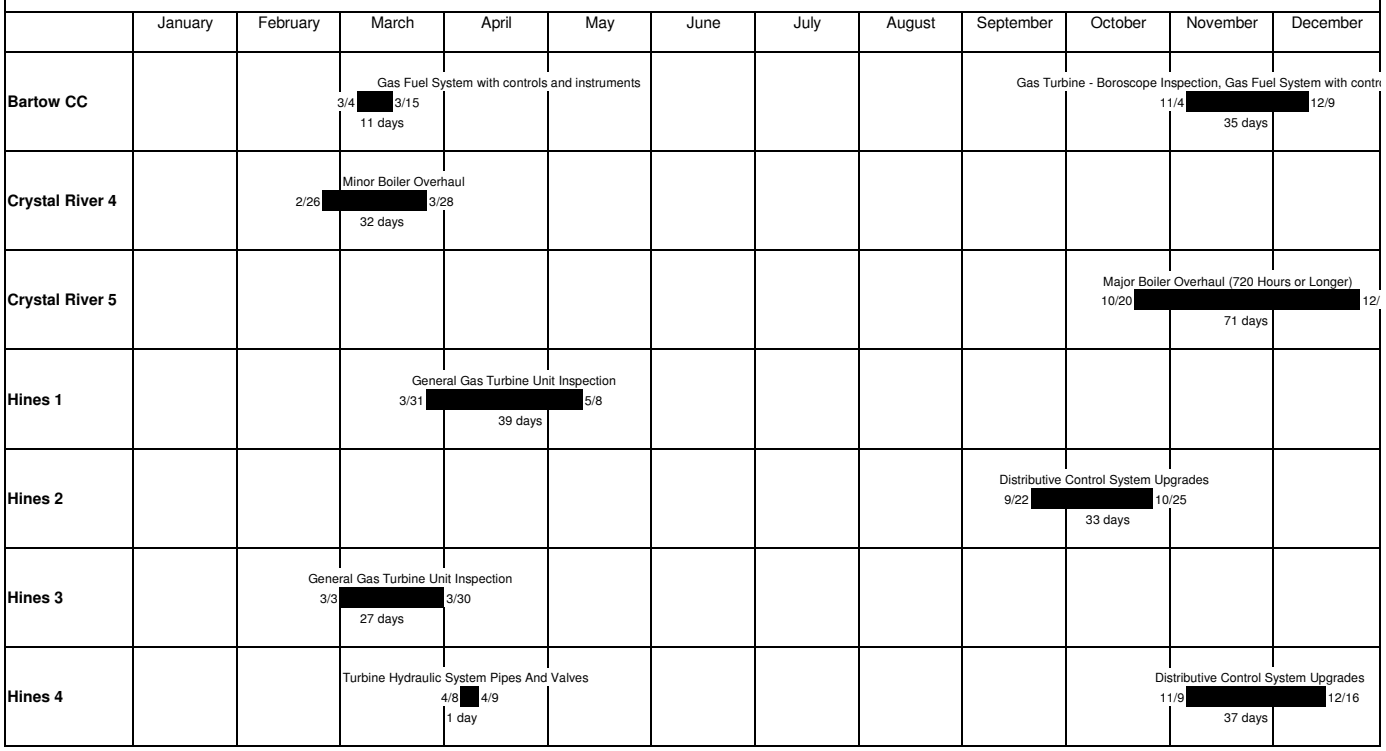
Planned Outage Schedule - Actual

Duke Energy Florida

January 2017 - December 2017



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