Matthew R. Bernier
Associate General Counsel

August 24, 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 Petition for Approval of Fuel and Purchase Power Cost Recovery Factors for the Period of January 2019 through December 2019;
- Direct Testimony of Christopher A. Menendez and redacted Exhibit No. ___ (CAM-3); and
- Direct Testimony of Matthew J. Jones and Exhibit No. ___(MJJ-1P).

A Request for Confidential Classification covering the confidential information contained in Exhibit No. ___(CAM-3) to the direct testimony of Christopher A. Menendez, along with the confidential information at issue is being filed under separate cover. 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
Matt.Bernier@duke-energy.com

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. 20180001-EI Filed: August 24, 2018

PETITION FOR APPROVAL OF FUEL AND PURCHASE COST RECOVERY FACTORS FOR THE PERIOD JANUARY 2019 THROUGH DECEMBER 2019

Duke Energy Florida, LLC ("DEF" or the "Company") hereby petitions this Commission for approval of its proposed fuel and capacity cost recovery factors for the period January 2019 through December 2019. In support of this Petition, DEF states as follows:

Fuel Cost Recovery Factors

1. DEF's proposed fuel cost recovery factors are presented in the pre-filed testimony and exhibits of Christopher A. Menendez. Schedule E1, Part 2 of Exhibit No.__ (CAM-3) shows the calculation of the Company's basic fuel cost factor of 3.969 cents/kWh (before metering voltage adjustments). The basic factor consists of a fuel cost for the projection period of 3.5943 cents/kWh (adjusted for jurisdictional losses), a GPIF penalty of (0.0059) cents/kWh, and an estimated prior period under-recovery true-up of 0.3778 cents/kWh. Utilizing this basic factor, Schedule E1-D shows the calculation and supporting data for the Company's final levelized fuel cost factors for service taken at secondary, primary and transmission metering voltage

levels.

Capacity Cost Recovery Factors

2. The calculation of DEF's proposed capacity cost recovery ("CCR") factors is shown in Part 3 of Exhibit No. __(CAM-3). The proposed CCR factors allocate capacity costs to rate classes in the same manner that they would be allocated if they were recovered in base rates. As shown on Schedule E12-E, page 1 of 2, the average retail capacity CCR factor, including ISFSI and excluding nuclear costs is 0.985 cents/kWh.

Other Issues

3. DEF has calculated that it is subject to a GPIF penalty of $2,301,526 for the performance experienced during the period January 1, 2017 through December 31, 2017. The Company is also proposing GPIF targets and ranges for the period January 1, 2019 through December 31, 2019 with such proposed targets and ranges being detailed in the testimony and exhibits of DEF witness Matthew J. Jones.

WHEREFORE, Duke Energy Florida, LLC, respectfully requests that the Commission approve the Company's fuel and capacity cost recovery true-ups and proposed fuel and capacity cost recovery factors for the period January 2019 through December 2019 as set forth in the testimony and supporting exhibit of Christopher A. Menendez filed on August 24, 2018. DEF also requests the Commission approve the Company's GPIF targets and ranges for the period January 1, 2019 through December 31, 2019 as set forth in the testimony and exhibits of Matthew J. Jones

filed on August 24, 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 24th day of August, 2018.

s/ Matthew R. Bernier
Attorney

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DUKE ENERGY FLORIDA, LLC

DOCKET NO. 20180001-EI

Fuel and Capacity Cost Recovery Factors
January through December 2019

DIRECT TESTIMONY OF
Christopher A. Menendez

August 24, 2018

Q. Please state your name and business address.

A. My name is Christopher A. Menendez. My business address is 299 1st Avenue North, St. Petersburg, Florida 33701.

Q. Have you previously filed testimony before this Commission in Docket No. 20180001-EI?

A. Yes, I provided direct testimony on March 2, 2018 and July 27, 2018.

Q. Have your duties and responsibilities remained the same since your testimony was last filed in this docket?

A. Yes.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to present for Commission approval the fuel and capacity cost recovery factors of Duke Energy Florida, LLC ("DEF" or the "Company") for the period of January through December 2019.

Q. Do you have an exhibit to your testimony?

A. Yes. I have prepared Exhibit No.__(CAM-3), consisting of Parts 1, 2 and 3. Part 1 contains DEF's forecast assumptions on fuel costs. Part 2 contains fuel cost recovery ("FCR") schedules E1 through E10, H1 and the calculation of the inverted residential fuel rate. I have also included a schedule to support the capital structure components and cost rates relied upon to calculate the return requirements on all capital projects recovered through the fuel clause as required by Order No. PSC-2018-0079-PCO-EI. Part 3 contains capacity cost recovery ("CCR") schedules.

FUEL COST RECOVERY CLAUSE

Q. Please describe the fuel cost factors calculated by the Company for the projection period.

A. Schedule E1 shows the calculation of the Company's jurisdictional fuel cost factor of 3.969 ¢/kWh. This factor consists of a fuel cost for the projection period of 3.5943 ¢/kWh (adjusted for jurisdictional losses), a GPIF penalty of (0.0059) ¢/kWh, and an estimated prior period under-recovery true-up of 0.3778 ¢/kWh. Utilizing this factor, Schedule E1-D shows the calculation and supporting data for the Company's levelized fuel cost factors for service taken at secondary, primary and transmission metering voltage levels. To perform this calculation, effective jurisdictional sales at the secondary level are calculated by applying 1% and 2% metering reduction factors to primary and

transmission sales, respectively (forecasted at meter level). This is consistent with the methodology used in the development of the CCR factors.

Schedule E1-D, lines 11-12 show the Company's proposed tiered rates of 3.698 ¢/kWh for the first 1,000 kWh and 4.698 ¢/kWh above 1,000 kWh. These rates are developed in the "Calculation of Inverted Residential Fuel Rates" schedule in Part 2 of my exhibit.

Schedule E1-E develops the Time of Use ("TOU") multipliers of 1.247 On-peak and 0.891 Off-peak. The multipliers are then applied to the levelized fuel cost factors for each metering voltage level which results in the final TOU fuel factors to be applied to customer bills during the projection period.

Q. What is the amount of the 2018 net true-up that DEF has included in the fuel cost recovery factor for 2019?

A. DEF has included a projected under-recovery of $148,450,915. This amount includes a projected actual/estimated under-recovery for 2018 of $34,602,826, a final 2017 true-up net under-recovery of $16,096,207 as shown in my Direct Testimony filed on March 2, 2018, and the second half of the 2017 true-up under-recovery deferral of $97,751,882, as included in DEF's Second Revised and Restated Stipulation and Settlement Agreement ("2017 Settlement") approved in Order No. PSC-2017-0421-AS-EU.

Q. What is the change in the levelized residential fuel factor for the projection period from the fuel factor currently in effect?

A. The projected levelized residential fuel factor for 2019 of 3.974 ¢/kWh is a decrease of 0.158 ¢/kWh or 4% from the 2018 levelized residential fuel factor of 4.132 ¢/kWh.

Q. Please explain the decrease in the 2019 fuel factor compared with the 2018 fuel factor.

A. The primary drivers of the decrease in the 2019 fuel factor are a decrease in jurisdictional fuel and purchased power expense of approximately $84 million and a decrease in the GPIF amount of approximately $5 million partially offset by an increase in the prior period true-up of approximately $51 million.

Q. Have you made any adjustments to your estimated fuel costs for the period January through December 2019?

A. Yes. Consistent with Order No. PSC-2018-0240-PAA-EQ dated May 8, 2018, DEF included an adjustment of $14,228,988 (grossed up to $14,305,402 from retail to system) for the amortization of Florida Power Development, LLC qualifying facility regulatory asset from January 2019 through December 2019.

Q. Is DEF proposing to continue the tiered rate structure for residential customers?

A. Yes. DEF is proposing to continue use of the inverted rate design for residential fuel factors to encourage energy efficiency and conservation.

Specifically, the Company proposes to continue a two-tiered fuel charge whereby the charge for a customer's monthly usage in excess of 1,000 kWh (second tier) is priced one cent per kWh higher than the charge for the customer's usage up to 1,000 kWh (first tier). The 1,000 kWh price change breakpoint is reasonable in that approximately 72% of all residential energy is consumed in the first tier and 28% of all energy is consumed in the second tier. The Company believes the one cent higher per unit price, targeted at the second tier of the residential class' energy consumption, will promote energy efficiency and conservation. This inverted rate design was incorporated in the Company's base rates approved in Order No. PSC-2002-0655-AS-EI.

Q. How was the inverted fuel rate calculated?

A. I have included a page in Part 2 of my exhibit that shows the calculation of the fuel cost factors for the two tiers of the residential rate. The two factors are calculated on a revenue neutral basis so that the Company will recover the same fuel costs as it would under the traditional levelized approach. The two-tiered factors are determined by first calculating the amount of revenues that would be generated by the overall levelized residential factor of 3.974 ¢/kWh shown on Schedule E1-D. The two factors are then calculated by allocating the total revenues to the two tiers for residential customers based on the total annual energy usage for each tier.

Q. How do DEF's projected gains on non-separated wholesale energy sales for 2019 compare to the incentive benchmark?

A. The total gain on non-separated sales for 2019 is estimated to be $1,748,022 which is above the benchmark of $1,303,502. 100% of gains below the benchmark and 80% of gains above the benchmark will be distributed to customers based on the sharing mechanism approved by the Commission in Order No. PSC-2000-1744-PAA-EI. Therefore, since the total gain on non-separated sales was above the benchmark, $88,904 of the gains will be retained for shareholders. The benchmark was calculated based on the average of actual gains for 2016 and 2017 of $843,842 and $887,370, respectively, and estimated gains for 2018 of $2,179,293 in accordance with Order No. PSC-2000-1744-PAA-EI.

Q. Please explain the entry on Schedule E1, line 11, "Fuel Cost of Stratified Sales."

A. DEF has several wholesale contracts with SECI. One contract provides for the sale of supplemental energy to supply the portion of their load in excess of SECI's own resources. The fuel costs charged to SECI for supplemental sales are calculated on a "stratified" basis in a manner which recovers the higher cost of intermediate/peaking generation used to provide the energy. There are other contracts with SECI, Reedy Creek and the City of Homestead for fixed amounts of base, intermediate, peaking and plant-specific capacity. DEF is crediting average fuel cost of the appropriate strata in accordance with Order No. PSC-1997-0262-FOF-EI. The fuel costs of wholesale sales are normally included in the total cost of fuel and net power transactions used to calculate the average system cost per kWh for fuel adjustment purposes. However,

since the fuel costs of the stratified and plant-specific sales are not recovered on an average system cost basis, an adjustment has been made to remove these costs and related kWh sales from the fuel adjustment calculation in the same manner that interchange sales are removed from the calculation.

Q. Please give a brief overview of the procedure used in developing the projected fuel cost data from which the Company's fuel cost recovery factor was calculated.

A. The process begins with a fuel price forecast and a system sales forecast. These forecasts are input into the Company's production cost simulation model along with purchased power information, generating unit operating characteristics, maintenance schedules, incremental delivered fuel prices and other pertinent data. The model then computes system fuel consumption and fuel and purchased power costs. This information is the basis for the calculation of the Company's fuel cost factors and supporting schedules.

Q. What is the source of the system sales forecast?

A. System sales are forecasted by the DEF Load and Fundamentals Forecasting Department using a sales-weighted 30-year average of weather conditions at the St. Petersburg, Orlando and Tallahassee weather stations, population projections from the Bureau of Economic and Business Research at the University of Florida, and economic assumptions from Moody's Analytics.

Q. What is the source of the Company's fuel price forecast?

A. The fuel price forecasts are based on a combination of third party forecasts as well as hedges and/or forward contracts currently in place. Additional details and forecast assumptions are provided in Part 1 of my exhibit.

Q. Are current fuel prices the same as those used in the development of the projected fuel factor?

A. No. Fuel prices can change significantly from day to day. Consistent with past practices, DEF will continue to monitor fuel prices and update the projection filing prior to the November hearing if changes in fuel prices warrant such an update.

Q. Is the 2017 GPIF penalty discussed in the March 2, 2018 direct testimony of Matt J. Jones included in 2018 rates?

A. Yes. The GPIF penalty of $2,301,526 is included on Schedule E1, Line 26 of Exhibit CAM-3, Part 2.

Q. Does DEF's Weighted Average Cost of Capital ("WACC") comply with paragraph 19 of the 2017 Settlement?

A. Yes. The WACC complies with paragraph 19 of the 2017 Settlement.

CAPACITY COST RECOVERY CLAUSE

Q. Please explain the schedules that are included in Exhibit__(CAM-3) Part 3.

A. The following schedules are included in my exhibit:

Schedule E12-A – Calculation of Projected Capacity Costs – Year 2019

Page 1 of Schedule E12-A includes estimated 2019 calendar year system capacity payments to Qualifying Facilities ("QF") and other power suppliers, as well as recovery of nuclear costs pursuant to Rule 25-6.0423, F.A.C. The retail portion of the capacity payments is calculated using separation factors consistent with the 2017 Settlement.

The revenue requirements for the CR3 Uprate Project are as stipulated by DEF and the intervener parties and approved by bench vote of the Commission on August 7, 2018, in Docket 20180009-EI. The recovery of estimated Dry Casket Storage costs, also referred to as Independent Spent Fuel Storage Installation ("ISFSI") costs, are included on line 38 of Schedule E12-A, page 1. Schedule E12-A, page 2, provides dates and MWs associated with the QF and purchase power contracts.

DEF has shown the 2019 Calculation of Projected Capacity Costs on Schedule E-12A, line 39.

Schedule E12-B – Calculation of Estimated/Actual True-Up - Year 2018

Schedule E12-B, which is also included in Exhibit __(CAM-2) to my direct testimony filed on July 27, 2018, as part of the 2018 actual/estimated true-up filing, calculates the estimated true-up capacity over-recovered balance for calendar year 2018 of $16,610,473. This balance is carried forward to Schedule E12-A, line 29 to be collected from customers from January through December 2019.

Schedule E12-D – Calculation of Energy and Demand Percent by Rate Class

Schedule E12-D is the calculation of the 12CP and 1/13 average demand allocators for each rate class. Schedule E12-D also includes the uniform percentage calculation and allocation of the ISFSI revenue requirement to the rate classes.

Schedule E12-E – Calculation of Capacity Cost Recovery Factors by Rate Class

Schedule E12-E, page 1 calculates the CCR factors for capacity and CR3 Uprate costs for each rate class based on the 12CP and 1/13 annual average demand allocators from Schedule E12-D. The factors for capacity and CR3 Uprate for the Residential, General Service Non-Demand, General Service (GS-2) and Lighting secondary delivery rate class in cents per kWh are calculated by multiplying total recoverable jurisdictional capacity (including revenue taxes) from Schedule E12-A by the class demand allocation factor, and then dividing by estimated effective sales at the secondary metering level.

The factor for ISFSI Dry Cask Storage in cents per kWh is calculated by dividing recoverable costs allocated on Schedule E12-D by estimated effective sales at the secondary metering level. The factors for primary and transmission rate classes reflect the application of metering reduction factors of 1% and 2% from the secondary factor, respectively. The factors allocate capacity and CR3 Uprate costs to rate classes in the same manner in which they would be allocated if they were recovered in base rates. ISFSI costs are allocated to rate classes by applying a uniform percent increase as approved in Order No. PSC-2016-0425-PAA-EI. Pursuant to the 2013 Revised and Restated Stipulation and Settlement Agreement approved in Order No. PSC-13-0598-FOF-EI, DEF has prepared the billing rates for the demand (General Service Demand, Curtailable, and Interruptible) rate classes to be on a kilo-watt (kW) rather than a kilo-watt-hour (kWh) basis. These changes are reflected on Schedule E12-E page 2 in columns 13 – 16.

Q. Has DEF used the most recent load research information in the development of its capacity cost allocation factors?

A. Yes. The 12CP load factor relationships from DEF's most recent load research conducted for the period April 2017 through March 2018 are incorporated into the capacity cost allocation factors. This information is included in DEF's Load Research Report filed with the Commission on July 31, 2018.

Q. What is the 2019 projected average retail CCR factor?

A. The 2019 average retail CCR factor is 1.097 ¢/kWh, made up of capacity of 0.967 ¢/kWh, ISFSI costs of 0.018 ¢/kWh and CR3 Uprate costs of .0112 ¢/kWh.

Q. Please explain the change in the CCR factor for the projection period compared to the CCR factor currently in effect.

A. The total projected average retail CCR rate of 1.097 is 0.115 ¢/kWh, or 10%, lower than the 2018 factor of 1.212 ¢/kWh. This decrease is primarily due to the conclusion of the recovery of RRSSA 2nd Amendment costs at year end 2018, as approved in Order No. PSC-2016-0138-FOF-EI, and the difference in the in the prior period true-up balance.

Q. Does this conclude your testimony?

A. Yes

Docket No.20180001-EI
Exhibit No. ____(CAM-3)
Part 1

DUKE ENERGY FLORIDA, LLC

Fuel and Capacity Cost Recovery Factor

January through December 2019

PART 1 – 2019 FUEL PRICE FORECAST ASSUMPTIONS

Projected Market Price by Fuel Type

PROJECTED MARKET PRICE BY FUEL TYPE

	Light Oil		Coal Crystal River 4 & 5		Natural Gas
Month	$/barrel	$/mmbtu	$/ton	$/mmbtu	$/mmbtu
Jan 2019	85.61	14.77	73.92	3.17	3.23
Feb 2019	86.22	14.88	72.38	3.11	3.19
Mar 2019	86.09	14.85	71.78	3.09	3.09
Apr 2019	85.81	14.81	71.24	3.07	2.69
May 2019	85.73	14.79	70.32	3.03	2.65
Jun 2019	85.89	14.82	69.54	3.01	2.67
Jul 2019	86.12	14.86	68.92	2.99	2.70
Aug 2019	86.42	14.91	68.43	2.97	2.71
Sep 2019	86.64	14.95	68.10	2.96	2.70
Oct 2019	86.68	14.95	67.90	2.95	2.71
Nov 2019	86.62	14.94	67.68	2.94	2.76
Dec 2019	86.45	14.92	67.61	2.94	2.89
Average	86.19	14.87	69.82	3.02	2.83

Light Oil: The above base market oil price forecasts are the NYMEX forwards. Oil prices projected within the fuel forecast are based on expected contract structures and specifications, and incorporate current hedge positions and transportation costs.

Coal: Coal price projections are based on the current coal supply, transportation agreement and forecasted deliveries. Crystal River Units 4 and 5 have operating scrubbers that allow for consideration of higher sulfur coal.

Natural Gas: The base market natural gas price forecast is the NYMEX Henry Hub forward. This table includes natural gas market commodity prices only; however, the fuel forecast incorporates hedges and transportation costs. Forecast prices are based on expected contract specifications and incorporate current hedge positions. Firm transportation costs for Florida Gas Transmission, Gulstream and Sabal Trail pipelines are based on expected tariff rates and market conditions.

DUKE ENERGY FLORIDA, LLC

Fuel Cost Recovery

January through December 2019

PART 2 - 2019 FUEL COST RECOVERY SCHEDULES

Schedule E1 – Fuel Cost Recovery Clause Calculation

Schedule E1-A – Calculation of Total True-up

Schedule E1-B – Calculation of Prior Year Estimated True-up

Schedule E1-C – Calculation of GPIF & True-up Factors

Schedule E1-D – Calculation of Levelized Fuel Adjustment Factors

Schedule E1-E – Calculation of Factors for Metering Voltage and Time of Use

Schedule E1-F – Calculation of Jurisdictional Delivery Loss Multipliers

Schedule E2 – Fuel Cost Recovery Clause Calculation by Month

Schedule E3 – Generating System Comparative Data

Schedule E4 – System Net Generation & Fuel Cost by Month

Schedule E5 – Inventory Analysis

Schedule E6 – Fuel Cost of Power Sold

Schedule E7 – Purchased Power

Schedule E8 – Energy Payments to Qualifying Facilities

Schedule E9 – Economy Energy Purchases

Schedule E10 – Residential Bill Comparison

Calculation of Inverted Residential Fuel Rate

Schedule H1 – Generating System Comparative Data

Capital Structure and Cost Rates Applied to Capital Projects

(Order No. PSC-12-0425-PAA-EU)

Duke Energy Florida, LLC
Fuel and Purchased Power Cost Recovery Clause
Estimated for the Period of : January 2019 through December 2019

			DOLLARS	mWh	CENTS/KWH
1.	Fuel Cost of System Net Generation (E3)		1,281,071,130	39,800,289	3.2187
2.	Coal Car Investment		0	0	0.0000
3.	Adjustment to Fuel Cost		14,290,753	0	0.0000
4.	TOTAL COST OF GENERATED POWER		1,295,361,883	39,800,289	3.2547
5.	Energy Cost of Purchased Power (Excl. Econ & Cogens) (E7)		24,127,178	696,167	3.4657
6.	Energy Cost of Economy Purchases (E9)		2,366,773	57,825	4.0930
7.	Payments to Qualifying Facilities (E8)		130,146,818	3,080,184	4.2253
8.	TOTAL COST OF PURCHASED POWER		156,640,769	3,834,176	4.0854
9.	TOTAL AVAILABLE mWh			43,634,464	
10.	Fuel Cost of Economy Sales	(E6)	(6,284,266)	(177,337)	3.5437
10a.	Gain on Economy Sales	(E6)	(1,748,022)	(177,337) *	0.9857
10b.	Gain on Total Power Sales - 20%	(E6)	88,904		
11.	Fuel Cost of Stratified Sales	(E6)	(24,433,112)	(1,327,455)	1.8406
12.	TOTAL FUEL COST AND GAINS ON POWER SALES		(32,376,496)	(1,504,792)	2.1516
13.	Net Inadvertent Interchange				
14.	TOTAL FUEL AND NET POWER TRANSACTIONS		1,419,626,156	42,129,673	3.3697
15.	Net Unbilled		4,340,841 *	(128,821)	0.0110
16.	Company Use		5,885,310 *	(174,656)	0.0149
17.	T & D Losses		78,095,751 *	(2,317,616)	0.1977
18.	Adjusted System Sales		1,419,626,156	39,508,579	3.5932
19.	Wholesale Sales (Excluding Supplemental Sales)		(7,650,122)	(212,147)	3.6060
20.	Jurisdictional Sales		1,411,976,034	39,296,432	3.5931
21.	Jurisdictional Sales Adjusted for Line Losses x	1.00031	1,412,413,746	39,296,432	3.5943
22.	Prior Period True-Up (Sch E1-A)		148,450,915	39,296,432	0.3778
23.	Total Jurisdictional Fuel Cost		1,560,864,661	39,296,432	3.9720
24.	Revenue Tax Factor		1,123,823		1.00072
25.	Fuel Cost Adjusted for Taxes		1,561,988,484	39,296,432	3.9749
26.	GPIF **		(2,301,526)	39,296,432	(0.0059)
27.	Fuel Factor Adjusted for taxes including GPIF		1,559,686,958	39,296,432	3.9690
28.	Total Fuel Cost Factor (rounded to the nearest .001 cents/ KWH)				3.969

* For Informational Purposes Only
** Based on Jurisdictional Sales

Duke Energy Florida, LLC
Calculation of Total True-Up
(Projected Period)
Estimated for the Period of : January 2019 through December 2019

1.	Actual Over/(Under) Recovery January - December 2017 **(** Schedule E1-B, Page 2 of 2, Section C, Line 9 - Dec '17 **)**	$	(211,599,981)
2.	Projected (Over)/Under Recovery January - December 2017 (Refunded)/Collected January 2018 - December 2019 per Order No. PSC-2017-0421-AS-EU	$	195,503,774
3.	Estimated Over/(Under) Recovery January - December 2018 **(** Schedule E1-B, Page 2 of 2, Section C, Line 8 - Dec '18 **)**	$	(34,602,826)
4.	Total Over/(Under) Recovery (Line 1 through Line 3)	$	(50,699,033)
5.	Total 2017 Over/(Under) Recovery to be Collected January - December 2019 (2017 Settlement - Order No. PSC-2017-0451-AS-EU)	$	(97,751,882)
6.	Total Over/(Under) Recovery to be Included in the January - December 2019 Projected Period (Line 4 + Line 5)	$	(148,450,915)
7.	Jurisdictional mWh Sales (Projected Period)	mWh	39,296,432
8.	True-Up Factor (Line 6 / Line 7)	Cents/kWh	0.378

Duke Energy Florida, LLC
Calculation of Estimated True-Up
6 Months Actual & 6 Months Estimated
Estimated for the Period of : January 2018 through December 2018

			Jan Actual	Feb Actual	Mar Actual	Apr Actual	May Actual	Jun Actual	6 Month Sub-Total
A	1	Fuel Cost of System Generation	$ 112,913,665	$ 83,401,172	$ 84,812,907	$ 89,220,818	$ 111,294,344	$ 125,529,591	$ 607,172,497
	2	Fuel Cost of Power Sold	(9,605,716)	(3,497,655)	(2,583,535)	(2,055,117)	(2,910,542)	(5,643,807)	(26,296,373)
	3	Fuel Cost of Purchased Power	8,102,839	8,081,727	8,846,730	14,994,550	12,024,468	17,187,681	69,237,994
	3a	Demand and Non-Fuel Cost of Purchased Power							-
	3b	Energy Payments to Qualified Facilities	12,317,998	13,169,787	11,522,091	12,129,406	13,617,807	12,190,979	74,948,069
	4	Energy Cost of Economy Purchases	2,201,782	344,053	853,758	1,336,389	1,331,976	588,120	6,656,077
	5	Adjustments to Fuel Cost	104,607	380	470	560	(98,376)	730	8,370
	6	TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Through A5)	126,035,174	101,499,464	103,452,422	115,626,605	135,259,676	149,853,294	731,726,636
B	1	Jurisdictional mWh Sales	2,806,833	2,986,052	2,939,587	2,788,016	2,885,900	3,475,353	17,881,740
	2	Non-Jurisdictional mWh Sales	18,727	11,367	14,028	15,678	20,520	25,623	105,944
	3	TOTAL SALES (Lines B1 + B2)	2,825,560	2,997,418	2,953,615	2,803,694	2,906,421	3,500,976	17,987,684
	4	Jurisdictional % of Total Sales (Line B1/B3)	99.34%	99.62%	99.53%	99.44%	99.29%	99.27%	99.41%
C	1	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	114,339,903	121,300,462	118,437,965	112,665,165	117,461,745	143,106,586	727,311,827
	2	True-Up Provision	(8,145,991)	(8,145,991)	(8,145,991)	(8,145,991)	(8,145,991)	(8,145,991)	(48,875,946)
	2a	Incentive Provision	(232,768)	(232,768)	(232,768)	(232,768)	(232,768)	(232,768)	(1,396,608)
	3	FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Through C2a)	105,961,144	112,921,703	110,059,206	104,286,406	109,082,986	134,727,827	677,039,273
	4	Fuel & Net Power Transactions (Line A6)	126,035,174	101,499,464	103,452,422	115,626,605	135,259,676	149,853,294	731,726,636
	5	Jurisdictional Total Fuel Costs & Net Power Transactions (Line A6 * Line B4 * Line Loss Multiplier)	125,343,570	101,145,111	102,998,115	115,014,740	134,340,965	148,805,481	727,647,982
	6	Over/(Under) Recovery (Line C3 - Line C5)	(19,382,425)	11,776,592	7,061,090	(10,728,334)	(25,257,978)	(14,077,653)	(50,608,709)
	7	Interest Provision	(275,867)	(272,833)	(283,996)	(294,237)	(309,957)	(338,886)	(1,775,776)
	8	TOTAL ESTIMATED TRUE-UP FOR THE PERIOD	(19,658,292)	11,503,759	6,777,095	(11,022,571)	(25,567,935)	(14,416,537)	(52,384,482)
	9	Plus: Prior Period Balance	(211,599,981)	(211,599,981)	(211,599,981)	(211,599,981)	(211,599,981)	(211,599,981)	(211,599,981)
	10	Plus: Cumulative True-Up Provision	8,145,991	16,291,982	24,437,973	32,583,964	40,729,955	48,875,946	48,875,946
	11	Subtotal Prior Period True-up	(203,453,990)	(195,307,999)	(187,162,008)	(179,016,017)	(170,870,026)	(162,724,035)	(162,724,035)
	12	Regulatory Accounting Adjustment	-	-	-	-	-	-	-
	13	TOTAL TRUE-UP BALANCE	($223,112,283)	(203,462,533)	($188,539,447)	($191,416,028)	($208,837,972)	($215,108,517)	(215,108,517)

Duke Energy Florida, LLC
Calculation of Estimated True-Up
6 Months Actual & 6 Months Estimated
Estimated for the Period of : January 2018 through December 2018

			Jul Estimated	Aug Estimated	Sep Estimated	Oct Estimated	Nov Estimated	Dec Estimated	12 Month Period
A	1	Fuel Cost of System Generation	$ 134,146,384	$ 135,566,020	$ 127,685,381	$ 113,036,297	$ 98,793,448	$ 105,646,287	$ 1,322,046,314
	2	Fuel Cost of Power Sold	(2,733,280)	(3,042,758)	(2,389,591)	(1,860,656)	(1,440,801)	(1,898,113)	(39,661,571)
	3	Fuel Cost of Purchased Power	11,454,032	11,066,448	7,669,205	4,622,388	472,290	269,187	104,791,544
	3a	Demand and Non-Fuel Cost of Purchased Power							0
	3b	Energy Payments to Qualified Facilities	14,137,764	11,653,872	10,903,647	7,192,194	10,719,470	11,174,285	140,729,302
	4	Energy Cost of Economy Purchases	314,846	569,569	342,596	204,877	60,855	0	8,148,820
	5	Adjustments to Fuel Cost	0	1,260,203	1,255,693	1,251,566	1,246,815	1,245,321	6,267,968
	6	TOTAL FUEL & NET POWER TRANSACTIONS (Sum of Lines A1 Through A5)	157,319,747	157,073,355	145,466,931	124,446,666	109,852,077	116,436,966	1,542,322,378
B	1	Jurisdictional mWh Sales	3,842,941	4,014,062	3,923,616	3,561,556	3,027,388	2,879,737	39,131,041
	2	Non-Jurisdictional mWh Sales	22,368	24,340	21,311	18,093	13,020	17,608	222,684
	3	TOTAL SALES (Lines B1 + B2)	3,865,309	4,038,402	3,944,927	3,579,649	3,040,408	2,897,345	39,353,725
	4	Jurisdictional % of Total Sales (Line B1/B3)	99.42%	99.40%	99.46%	99.49%	99.57%	99.39%	99.43%
C	1	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	158,485,523	165,542,690	161,812,596	146,881,013	124,851,565	118,762,346	1,603,647,559
	2	True-Up Provision	(8,145,991)	(8,145,991)	(8,145,991)	(8,145,991)	(8,145,991)	(8,145,991)	(97,751,887)
	2a	Incentive Provision	(232,768)	(232,768)	(232,768)	(232,768)	(232,768)	(232,768)	(2,793,216)
	3	FUEL REVENUE APPLICABLE TO PERIOD (Sum of Lines C1 Through C2a)	150,106,764	157,163,931	153,433,837	138,502,254	116,472,806	110,383,587	1,503,102,456
	4	Fuel & Net Power Transactions (Line A6)	157,319,747	157,073,355	145,466,931	124,446,666	109,852,077	116,436,966	1,542,322,378
	5	Jurisdictional Total Fuel Costs & Net Power Transactions (Line A6 * Line B4 * Line Loss Multiplier)	156,455,778	156,179,315	144,726,261	123,850,370	109,413,621	115,762,576	1,534,035,903
	6	Over/(Under) Recovery (Line C3 - Line C5)	(6,349,015)	984,616	8,707,576	14,651,884	7,059,185	(5,378,989)	(30,933,453)
	7	Interest Provision	(342,645)	(334,447)	(314,197)	(282,987)	(253,050)	(239,081)	(3,542,182)
	8	TOTAL ESTIMATED TRUE-UP FOR THE PERIOD	(6,691,660)	650,169	8,393,380	14,368,897	6,806,135	(5,618,070)	(34,475,632)
	9	Plus: Prior Period Balance	(211,599,981)	(211,599,981)	(211,599,981)	(211,599,981)	(211,599,981)	(211,599,981)	(211,599,981)
	10	Plus: Cumulative True-Up Provision	57,021,937	65,167,928	73,313,919	81,459,910	89,605,901	97,751,892	97,751,892
	11	Subtotal Prior Period True-up	(154,578,044)	(146,432,053)	(138,286,062)	(130,140,071)	(121,994,080)	(113,848,089)	(113,848,089)
	12	Regulatory Accounting Adjustment	-	-	-	-	-	-	-
	13	TOTAL TRUE-UP BALANCE	($213,654,186)	($204,858,026)	($188,318,655)	($165,803,768)	($150,851,642)	($148,323,721)	(148,323,721)

Duke Energy Florida, LLC
Calculation of Generating Performance Incentive
And True-Up Adjustment Factors
Estimated for the Period of : January 2019 through December 2019

1.	TOTAL AMOUNT OF ADJUSTMENTS:		
	A. Generating Performance Incentive Reward / (Penalty)	$	(2,301,526)
	B. True-Up (Over) / Under Recovery	$	148,450,915
2.	JURISDICTIONAL mWh SALES	mWh	39,296,432
3.	ADJUSTMENT FACTORS:		
	A. Generating Performance Incentive Factor	Cents/kWh	(0.006)
	B. True-Up Factor	Cents/kWh	0.378

Duke Energy Florida, LLC
Calculation of Levelized Fuel Adjustment Factors
Estimated for the Period of : January 2019 through December 2019

1.	Period Jurisdictional Fuel Cost (Schedule E-1, line 21)	$	1,412,413,746	
1a.	Prior Period True-up (E1, Line 22)	$	148,450,915	
2.	Regulatory Assessment Fee (E1, Line 24)	$	1,123,823	
3.	Generating Performance Incentive Factor (GPIF) (E1, Line 26)	$	(2,301,526)	
4.	Total Amount to be Recovered	$	1,559,686,958	
5.	Jurisdictional Sales (January - December 2018)		39,296,432	mWh
6.	Jurisdictional Cost per kWh Sold (Line 4 / Line 5 / 10)		3.969	Cents/kWh
7.	Effective Jurisdictional Sales (See Below)		39,249,118	mWh
	LEVELIZED FUEL FACTORS:			
8.	Fuel Factor at Secondary Metering (Line 4 / Line 7 / 10)		3.974	Cents/kWh
9.	Fuel Factor at Primary Metering		3.934	Cents/kWh
10.	Fuel Factor at Transmission Metering		3.895	Cents/kWh
	TIERED FUEL FACTORS:			
11	Fuel Factor - First Tier (0-1000 kWh)		3.698	Cents/kWh
12	Fuel Factor - Second Tier (Over 1000 kWh)		4.698	Cents/kWh

	JURISDICTIONAL SALES (mWh)	
METERING VOLTAGE:	METER	SECONDARY
Distribution Secondary	35,015,852	35,015,852
Distribution Primary	3,829,675	3,791,379
Transmission	450,906	441,888
Total	39,296,433	39,249,118

Duke Energy Florida, LLC
Calculation of Final Fuel Cost Factors
Estimated for the Period of : January 2019 through December 2019

Line:	Metering Voltage	First Tier Factor Cents/kWh	Second Tier Factor Cents/kWh	Levelized Factors Cents/kWh	----------Time of Use---------- On-Peak Multiplier 1.247	Off-Peak Multiplier 0.891
1.	Distribution Secondary	3.698	4.698	3.974	4.956	3.541
2.	Distribution Primary	--	--	3.934	4.906	3.505
3.	Transmission	--	--	3.895	4.857	3.470
4.	Lighting Service	--	--	3.805	--	--

Line 4 calculated at secondary rate of 3.974 * (18.7% * On-Peak Multiplier 1.247 + 81.3% * Off-Peak Multiplier 0.891).

DEVELOPMENT OF TIME OF USE MULTIPLIERS

	ON-PEAK PERIOD			OFF-PEAK PERIOD			TOTAL		
Mo/Yr	System mWh Requirements	Marginal Cost	Average Marginal Cost (¢/kWh)	System mWh Requirements	Marginal Cost	Average Marginal Cost (¢/kWh)	System mWh Requirements	Marginal Cost	Average Marginal Cost (¢/kWh)
Jan-19	902,327	31,950,562	3.541	2,411,687	60,844,147	2.523	3,314,014	92,794,709	2.800
Feb-19	790,881	23,910,940	3.023	2,111,038	49,738,433	2.356	2,901,919	73,649,373	2.538
Mar-19	782,243	24,032,742	3.072	2,349,446	65,288,905	2.779	3,131,689	89,321,647	2.852
Apr-19	1,099,616	37,320,647	3.394	2,114,604	54,530,399	2.579	3,214,219	91,851,046	2.858
May-19	1,335,068	49,332,945	3.695	2,541,970	63,540,999	2.500	3,877,039	112,873,944	2.911
Jun-19	1,356,977	49,232,544	3.628	2,842,446	67,426,226	2.372	4,199,423	116,658,770	2.778
Jul-19	1,489,367	52,046,033	3.495	2,934,820	72,352,586	2.465	4,424,187	124,398,619	2.812
Aug-19	1,480,361	52,866,452	3.571	2,929,767	69,939,661	2.387	4,410,128	122,806,113	2.785
Sep-19	1,313,895	48,224,569	3.670	2,804,895	63,804,038	2.275	4,118,790	112,028,607	2.720
Oct-19	1,266,210	45,354,203	3.582	2,306,423	56,033,285	2.429	3,572,633	101,387,488	2.838
Nov-19	729,597	22,824,813	3.128	2,298,459	63,383,706	2.758	3,028,056	86,208,519	2.847
Dec-19	821,238	24,909,814	3.033	2,447,034	56,020,138	2.289	3,268,272	80,929,952	2.476
TOTAL	13,367,780	462,006,264	3.456	30,092,589	742,902,522	2.469	43,460,368	1,204,908,786	2.772

	ON-PEAK	OFF-PEAK	AVERAGE
MARGINAL FUEL COST			
WEIGHTING MULTIPLIER	1.247	0.891	1.000

Duke Energy Florida, LLC
Development of Jurisdictional Delivery Loss Multipliers
Based on Actual Twelve Months Ending December 31, 2017
Estimated for the Period of : January 2019 through December 2019

		Energy Delivered @ Billing Level							
		Billed mWh	Unbilled mWh	Total mWh	% of Total	Delivery Efficiency	Energy Required @ Source Level	% of Total	Jurisdictional Loss Multiplier
Retail									
Transmission		437,264	3,465	440,729		0.9824085	448,621		
Distribution Primary		3,731,243	29,567	3,760,810		0.9724085	3,867,521		
Distribution Secondary		33,855,504	268,289	34,123,793		0.9412933	36,252,029		
Total Retail		38,024,010	301,321	38,325,331	99.40%	0.9447143	40,568,171	99.43%	1.00031
						5.53%			
Wholesale									
Generation Level		203,696	-	203,696		1.0000000	203,696		
Transmission		-	-	-		0.9824085	-		
Distribution Primary		26,157	-	26,157		0.9724085	26,899		
Distribution Secondary		-	-	-			-		
Total Wholesale		229,853	-	229,853	0.60%	0.9967814	230,595	0.57%	0.94806
						0.32%			
Subtotal Class		38,253,864	301,321	38,555,185	100.00%	0.9450086	40,798,767	100.00%	1.00000
						5.50%			
Non-Class									
SEPA	Transmission	26,315	-	26,315		0.9824085	26,786		
Homestead Base & Int	Generation	67,700	-	67,700		1.0000000	67,700		
SECI - CC	Generation	691,402	-	691,402		1.0000000	691,402		
SECI - Base	Generation	70,800	-	70,800		1.0000000	70,800		
Reedy Creek Base & Int	Generation	533,762	-	533,762		1.0000000	533,762		
Reedy Creek Hines	Generation	429,936	-	429,936		1.0000000	429,936		
NSB - Peaking	Generation	-	-	-		1.0000000	-		
SECI - Intermediate	Generation	137,290	-	137,290		1.0000000	137,290		
SECI - Peaking	Generation	9,007	-	9,007		1.0000000	9,007		
Interchange	Generation	41,044	-	41,044		1.0000000	41,044		
Company Use	Secondary	166,031	-	166,031		0.9412933	176,386		
Total Non-Class		2,173,287	-	2,173,287			2,184,113		
Total System		40,427,151	301,321	40,728,472		0.947551	42,982,880		

Duke Energy Florida, LLC
Fuel and Purchased Power Cost Recovery Clause
Estimated for the Period of : January 2019 through December 2019

			Estimated Jan-19	Estimated Feb-19	Estimated Mar-19	Estimated Apr-19	Estimated May-19	Estimated Jun-19	Estimated Jul-19	Estimated Aug-19	Estimated Sep-19	Estimated Oct-19	Estimated Nov-19	Estimated Dec-19	TOTAL
1	Fuel Cost of System Net Generation		$108,895,443	$94,009,386	$99,074,057	$91,704,002	$111,397,907	$116,918,399	$123,992,742	$124,062,184	$116,733,848	$103,304,963	$93,539,707	$97,438,492	$1,281,071,130
1a	Nuclear Fuel Disposal Cost		0	0	0	0	0	0	0	0	0	0	0	0	0
1b	Adjustments to Fuel Cost		1,211,913	1,205,895	1,202,191	1,199,210	1,196,828	1,192,999	1,189,651	1,186,540	1,181,999	1,177,938	1,173,527	1,172,063	14,290,753
2	Fuel Cost of Power Sold		(1,654,782)	(537,941)	(66,519)	(44,504)	(334,110)	(578,060)	(792,944)	(965,958)	(480,312)	(282,089)	(266,863)	(280,184)	(6,284,266)
2a	Gains on Power Sales		(460,291)	(149,633)	(18,503)	(12,379)	(92,936)	(160,792)	(220,564)	(268,689)	(133,602)	(78,467)	(74,231)	(77,935)	(1,748,022)
2b	Gains on Total Power Sales - 20%		0	0	0	0	0	0	0	16,057	26,720	15,693	14,846	15,587	88,904
2c	Fuel Cost of Stratified Sales		(1,675,394)	(1,020,082)	(1,786,362)	(1,843,913)	(2,084,153)	(2,667,405)	(2,906,589)	(2,800,270)	(2,459,370)	(2,101,290)	(1,274,663)	(1,813,621)	(24,433,112)
3	Fuel Cost of Purchased Power (Excl Economy)		922,550	347,190	2,340,555	3,578,115	2,921,807	2,594,085	2,885,738	2,989,273	2,696,091	2,208,691	373,154	269,929	24,127,178
3a	Energy Payments to Qualifying Facilities		11,618,340	10,273,495	10,456,333	10,243,817	11,605,827	11,197,834	11,386,296	11,427,590	10,812,285	9,187,418	10,030,064	11,907,522	130,146,818
4	Energy Cost of Economy Purchases		120,872	57,823	225,982	231,920	203,001	177,197	179,437	159,094	190,430	312,579	372,580	135,858	2,366,773
5	Total System Fuel & Net Power Transactions		$118,978,650	$104,186,133	$111,427,734	$105,056,267	$124,814,171	$128,674,257	$135,713,766	$135,805,821	$128,568,089	$113,745,436	$103,888,121	$108,767,711	$1,419,626,156
6	Jurisdictional mWh Sold		2,910,658	2,865,578	2,726,453	2,827,964	3,072,144	3,633,132	3,867,657	3,885,511	3,970,304	3,614,731	3,056,719	2,865,582	39,296,432
7	Jurisdictional % of Total Sales		99.36%	99.56%	99.57%	99.52%	99.42%	99.44%	99.42%	99.38%	99.46%	99.50%	99.57%	99.39%	99.46%
8	Jurisdicitonal Fuel & Net Power Transactions		118,217,187	103,727,714	110,948,594	104,551,997	124,090,249	127,953,681	134,926,626	134,963,825	127,873,821	113,176,709	103,441,402	108,104,228	1,411,976,034
9	Jurisdictional Loss Multiplier		1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031
10	Jurisdictional Fuel & Net Power Transactions		118,253,834	103,759,869	110,982,988	104,584,408	124,128,717	127,993,347	134,968,454	135,005,664	127,913,462	113,211,793	103,473,469	108,137,741	1,412,413,746
11	Adjusted System Sales	mWh	2,929,443	2,878,185	2,738,168	2,841,713	3,090,014	3,653,499	3,890,074	3,909,882	3,991,669	3,632,889	3,069,808	2,883,237	39,508,579
12	System Cost per kWh Sold	c/kWh	4.0615	3.6199	4.0694	3.6970	4.0392	3.5220	3.4887	3.4734	3.2209	3.1310	3.3842	3.7724	3.5932
13	Jurisdictional Loss Multiplier	x	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031	1.00031
14	Jurisdictional Cost per kWh Sold	c/kWh	4.0628	3.6209	4.0706	3.6982	4.0405	3.5229	3.4897	3.4746	3.2218	3.1320	3.3851	3.7737	3.5943
15	Prior Period True-Up	+	0.4250	0.4317	0.4537	0.4375	0.4027	0.3405	0.3199	0.3184	0.3116	0.3422	0.4047	0.4317	0.3778
16	Total Jurisdictional Fuel Expense	c/kWh	4.4878	4.0526	4.5243	4.1357	4.4431	3.8634	3.8095	3.7930	3.5333	3.4742	3.7898	4.2054	3.9720
17	Revenue Tax Multiplier	x	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072
18	Recovery Factor Adjusted for Taxes	c/kWh	4.4910	4.0555	4.5276	4.1386	4.4463	3.8662	3.8123	3.7957	3.5359	3.4767	3.7926	4.2084	3.9749
19	GPIF	+	-0.0066	-0.0067	-0.0070	-0.0068	-0.0062	-0.0053	-0.0050	-0.0049	-0.0048	-0.0053	-0.0063	-0.0067	-0.0059
20	Total Recovery Factor (rounded .001)	c/kWh	4.484	4.049	4.521	4.132	4.440	3.861	3.807	3.791	3.531	3.471	3.786	4.202	3.969

Duke Energy Florida, LLC
Generating System Comparative Data by Fuel Type
Estimated for the Period of : January 2019 through December 2019

			Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Subtotal
	FUEL COST OF SYSTEM NET GENERATION ($)								
1	HEAVY OIL		0	0	0	0	0	0	0
2	LIGHT OIL		147,660	132,973	116,318	169,020	194,584	152,107	912,662
3	COAL		28,596,584	21,709,301	13,670,390	13,949,841	20,852,181	22,322,461	121,100,758
4	GAS		80,151,199	72,167,112	85,287,349	77,585,141	90,351,142	94,443,831	499,985,774
5	NUCLEAR		0	0	0	0	0	0	0
6	OTHER		0	0	0	0	0	0	0
7	TOTAL	$	108,895,443	94,009,386	99,074,057	91,704,002	111,397,907	116,918,399	621,999,194
	SYSTEM NET GENERATION (MWH)								
8	HEAVY OIL		0	0	0	0	0	0	0
9	LIGHT OIL		63	0	12	18	45	0	138
10	COAL		863,167	658,283	408,463	418,829	643,550	693,715	3,686,007
11	GAS		2,179,746	1,988,419	2,395,842	2,425,115	2,850,639	3,151,515	14,991,276
12	NUCLEAR		0	0	0	0	0	0	0
13	SOLAR		15,369	15,825	21,340	23,074	24,870	22,663	123,142
14	OTHER		0	0	0	0	0	0	0
15	TOTAL	MWH	3,058,345	2,662,527	2,825,658	2,867,036	3,519,104	3,867,893	18,800,563
	UNITS OF FUEL BURNED								
16	HEAVY OIL	BBL	0	0	0	0	0	0	0
17	LIGHT OIL	BBL	737	570	387	972	1,256	783	4,705
18	COAL	TON	378,258	291,179	181,616	186,911	287,498	311,868	1,637,330
19	GAS	MCF	15,542,166	14,086,771	17,835,110	18,043,691	21,410,306	23,118,450	110,036,494
20	NUCLEAR	MMBTU	0	0	0	0	0	0	0
21	OTHER		0	0	0	0	0	0	0
	BTUS BURNED (MMBTU)								
22	HEAVY OIL		0	0	0	0	0	0	0
23	LIGHT OIL		4,299	3,320	2,256	5,662	7,319	4,565	27,421
24	COAL		8,833,151	6,773,980	4,222,673	4,343,170	6,663,355	7,210,937	38,047,266
25	GAS		15,542,166	14,086,771	17,835,110	18,043,691	21,410,306	23,118,450	110,036,494
26	NUCLEAR		0	0	0	0	0	0	0
27	OTHER		0	0	0	0	0	0	0
28	TOTAL	MMBTU	24,379,616	20,864,071	22,060,039	22,392,523	28,080,980	30,333,952	148,111,181
	GENERATION MIX (% MWH)								
29	HEAVY OIL		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
30	LIGHT OIL		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
31	COAL		28.22%	24.72%	14.46%	14.61%	18.29%	17.94%	19.61%
32	GAS		71.27%	74.68%	84.79%	84.59%	81.01%	81.48%	79.74%
33	NUCLEAR		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
34	SOLAR		0.50%	0.59%	0.76%	0.81%	0.71%	0.59%	0.66%
35	OTHER		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
36	TOTAL	%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	FUEL COST PER UNIT								
37	HEAVY OIL	$/BBL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	LIGHT OIL	$/BBL	200.35	233.29	300.56	173.89	154.92	194.26	193.98
39	COAL	$/TON	75.60	74.56	75.27	74.63	72.53	71.58	73.96
40	GAS	$/MCF	5.16	5.12	4.78	4.30	4.22	4.09	4.54
41	NUCLEAR	$/MMBTU	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	OTHER		0.00	0.00	0.00	0.00	0.00	0.00	0.00
	FUEL COST PER MMBTU ($/MMBTU)								
43	HEAVY OIL		0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	LIGHT OIL		34.35	40.05	51.56	29.85	26.59	33.32	33.28
45	COAL		3.24	3.21	3.24	3.21	3.13	3.10	3.18
46	GAS		5.16	5.12	4.78	4.30	4.22	4.09	4.54
47	NUCLEAR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	OTHER		0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	TOTAL	$/MMBTU	4.47	4.51	4.49	4.10	3.97	3.85	4.20
	BTU BURNED PER KWH (BTU/KWH)								
50	HEAVY OIL		0	0	0	0	0	0	0
51	LIGHT OIL		68,022	0	188,000	314,556	163,007	0	198,559
52	COAL		10,233	10,290	10,338	10,370	10,354	10,395	10,322
53	GAS		7,130	7,084	7,444	7,440	7,511	7,336	7,340
54	NUCLEAR		0	0	0	0	0	0	0
55	OTHER		0	0	0	0	0	0	0
56	TOTAL	BTU/KWH	7,972	7,836	7,807	7,810	7,980	7,843	7,878
	GENERATED FUEL COST PER KWH (C/KWH)								
57	HEAVY OIL		0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	LIGHT OIL		233.64	0.00	969.32	939.00	433.37	0.00	660.87
59	COAL		3.31	3.30	3.35	3.33	3.24	3.22	3.29
60	GAS		3.68	3.63	3.56	3.20	3.17	3.00	3.34
61	NUCLEAR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	OTHER		0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	TOTAL	C/KWH	3.56	3.53	3.51	3.20	3.17	3.02	3.31

Duke Energy Florida, LLC
Generating System Comparative Data by Fuel Type
Estimated for the Period of : January 2019 through December 2019

			Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total
	FUEL COST OF SYSTEM NET GENERATION ($)								
1	HEAVY OIL		0	0	0	0	0	0	0
2	LIGHT OIL		165,205	133,092	159,200	207,712	165,674	147,299	1,890,844
3	COAL		23,187,546	23,686,552	22,428,862	20,818,786	22,270,669	18,680,007	252,173,180
4	GAS		100,639,991	100,242,540	94,145,786	82,278,465	71,103,364	78,611,186	1,027,007,106
5	NUCLEAR		0	0	0	0	0	0	0
6	OTHER		0	0	0	0	0	0	0
7	TOTAL	$	123,992,742	124,062,184	116,733,848	103,304,963	93,539,707	97,438,492	1,281,071,130
	SYSTEM NET GENERATION (MWH)								
8	HEAVY OIL		0	0	0	0	0	0	0
9	LIGHT OIL		0	0	0	109	0	51	299
10	COAL		727,129	747,130	706,764	652,884	708,069	583,509	7,811,492
11	GAS		3,340,316	3,305,091	3,067,083	2,622,250	2,053,326	2,373,867	31,753,209
12	NUCLEAR		0	0	0	0	0	0	0
13	SOLAR		21,977	21,145	19,147	19,359	16,106	14,414	235,289
14	OTHER		0	0	0	0	0	0	0
15	TOTAL	MWH	4,089,422	4,073,366	3,792,994	3,294,602	2,777,501	2,971,841	39,800,289
	UNITS OF FUEL BURNED								
16	HEAVY OIL	BBL	0	0	0	0	0	0	0
17	LIGHT OIL	BBL	926	570	854	1,388	926	728	10,097
18	COAL	TON	327,243	336,888	318,812	296,043	318,471	265,661	3,500,448
19	GAS	MCF	24,491,507	24,258,441	22,502,785	18,873,591	14,900,955	16,412,571	231,476,344
20	NUCLEAR	MMBTU	0	0	0	0	0	0	0
21	OTHER		0	0	0	0	0	0	0
	BTUS BURNED (MMBTU)								
22	HEAVY OIL		0	0	0	0	0	0	0
23	LIGHT OIL		5,395	3,320	4,980	8,085	5,395	4,229	58,825
24	COAL		7,550,990	7,760,644	7,336,813	6,809,589	7,320,738	6,107,718	80,933,758
25	GAS		24,491,507	24,258,441	22,502,785	18,873,591	14,900,955	16,412,571	231,476,344
26	NUCLEAR		0	0	0	0	0	0	0
27	OTHER		0	0	0	0	0	0	0
28	TOTAL	MMBTU	32,047,892	32,022,405	29,844,578	25,691,265	22,227,088	22,524,518	312,468,927
	GENERATION MIX (% MWH)								
29	HEAVY OIL		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
30	LIGHT OIL		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
31	COAL		17.78%	18.34%	18.63%	19.82%	25.49%	19.64%	19.63%
32	GAS		81.68%	81.14%	80.86%	79.59%	73.93%	79.88%	79.78%
33	NUCLEAR		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
34	SOLAR		0.54%	0.52%	0.51%	0.59%	0.58%	0.49%	0.59%
35	OTHER		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
36	TOTAL	%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	FUEL COST PER UNIT								
37	HEAVY OIL	$/BBL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	LIGHT OIL	$/BBL	178.41	233.49	186.42	149.65	178.91	202.33	187.27
39	COAL	$/TON	70.86	70.31	70.35	70.32	69.93	70.32	72.04
40	GAS	$/MCF	4.11	4.13	4.18	4.36	4.77	4.79	4.44
41	NUCLEAR	$/MMBTU	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	OTHER		0.00	0.00	0.00	0.00	0.00	0.00	0.00
	FUEL COST PER MMBTU ($/MMBTU)								
43	HEAVY OIL		0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	LIGHT OIL		30.62	40.09	31.97	25.69	30.71	34.83	32.14
45	COAL		3.07	3.05	3.06	3.06	3.04	3.06	3.12
46	GAS		4.11	4.13	4.18	4.36	4.77	4.79	4.44
47	NUCLEAR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	OTHER		0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	TOTAL	$/MMBTU	3.87	3.87	3.91	4.02	4.21	4.33	4.10
	BTU BURNED PER KWH (BTU/KWH)								
50	HEAVY OIL		0	0	0	0	0	0	0
51	LIGHT OIL		0	0	0	74,038	0	82,276	196,937
52	COAL		10,385	10,387	10,381	10,430	10,339	10,467	10,361
53	GAS		7,332	7,340	7,337	7,197	7,257	6,914	7,290
54	NUCLEAR		0	0	0	0	0	0	0
55	OTHER		0	0	0	0	0	0	0
56	TOTAL	BTU/KWH	7,837	7,861	7,868	7,798	8,003	7,579	7,851
	GENERATED FUEL COST PER KWH (C/KWH)								
57	HEAVY OIL		0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	LIGHT OIL		0.00	0.00	0.00	190.21	0.00	286.57	633.02
59	COAL		3.19	3.17	3.17	3.19	3.15	3.20	3.23
60	GAS		3.01	3.03	3.07	3.14	3.46	3.31	3.23
61	NUCLEAR		0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	OTHER		0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	TOTAL	C/KWH	3.03	3.05	3.08	3.14	3.37	3.28	3.22

Duke Energy Florida, LLC
System Net Generation and Fuel Cost
Estimated for the Period of: Jan-19

	(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		(J)	(K)	(L)	(M)
	PLANT/UNIT		NET CAPACITY (MW)	NET GENERATION (MWH)	CAPACITY FACTOR (%)	EQUIV AVA L FACTOR (%)	OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)		FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST ($)	FUEL COST PER KWH (C/KWH)
1	CRYSTAL RIVER	1	376	0	0 0	0.00	0.0	0	COAL	0	TONS	0 00	0	0	0.00
2	CRYSTAL RIVER	2	500	0	0 0	0.00	0.0	0	COAL	0	TONS	0 00	0	0	0.00
3	CRYSTAL RIVER	4	732	431,773	79 3	92.90	85.4	10,249	COAL	189,493	TONS	23 35	4,425,074	14,325,195	3.32
4	CRYSTAL RIVER	5	712	431,394	81.4	98.06	83.5	10,218	COAL	188,765	TONS	23 35	4,408,077	14,271,389	3.31
5	ANCLOTE	1	517	76,070	19 8	91.94	21.5	11,560	GAS	879,387	MCF	1 00	879,387	3,774,886	4.96
6	ANCLOTE	2	521	5,414	1.4	94.19	30.6	11,548	GAS	62,518	MCF	1 00	62,518	1,136,400	20.99
7	AVON PARK	1-2	69	0	0 0	93.87	0.0	0	GAS	0	MCF	0 00	0	0	0.00
8	BARTOW	1-4	228	172	0.1	76.86	0.3	13,868	GAS	2,388	MCF	1 00	2,388	12,454	7.23
9	BARTOW CC	1	1279	446,606	46 9	98.06	47.8	7,679	GAS	3,429,337	MCF	1 00	3,429,337	17,881,260	4.00
10	CITRUS CC	1-2	1640	1,154,080	94 6	96.62	99.7	6,513	GAS	7,516,300	MCF	1 00	7,516,300	39,191,515	3.40
11	DEBARY	1-10	785	1,330	0 2	85.23	12.1	12,467	GAS	16,578	MCF	1 00	16,578	86,443	6.50
12	HIGGINS	1-4	129	249	0 3	89.60	24.1	16,510	GAS	4,111	MCF	1 00	4,111	21,435	8.61
13	HINES CC	1-4	2,204	413,178	25 2	97.90	74.3	7,081	GAS	2,925,898	MCF	1 00	2,925,898	14,335,831	3.47
14	NT CITY	1-14	1,186	2,211	0 3	95.09	8.1	12,315	GAS	27,230	MCF	1 00	27,230	141,983	6.42
15	OSPREY CC	1	505	31,986	8 5	97.67	80.2	7,775	GAS	248,704	MCF	1 00	248,704	1,296,792	4.05
16	SUWANNEE STEAM	1	67	0	0 0	0.00	0.0	0	GAS	0	MCF	0 00	0	0	0.00
17	SUWANNEE STEAM	2	66	0	0 0	0.00	0.0	0	GAS	0	MCF	0 00	0	0	0.00
18	SUWANNEE STEAM	3	67	0	0 0	0.00	0.0	0	GAS	0	MCF	0 00	0	0	0.00
19	SUWANNEE CT	1-3	200	867	0 6	96.56	28.9	13,043	GAS	11,311	MCF	1 00	11,311	58,977	6.80
20	TIGER BAY CC	1	225	13,856	8 3	94.19	102.6	7,406	GAS	102,621	MCF	1 00	102,621	535,087	3.86
21	UNIV OF FLA. CC	1	47	33,727	96 5	96.45	99.9	9,363	GAS	315,783	MCF	1 00	315,783	1,678,136	4.98
22	AVON PARK	1-2	69	2	0 0	93.87	0.0	30,833	LIGHT OIL	13	BBLS	5 69	74	1,137	47.38
23	BARTOW	1-4	228	0	0 0	76.86	0.0	0	LIGHT OIL	0	BBLS	0 00	0	94	0.00
24	BAYBORO	1-4	231	0	0 0	93.87	0.0	0	LIGHT OIL	0	BBLS	0 00	0	244	0.00
25	DEBARY	1-10	785	4	0 2	85.23	0.0	20,250	LIGHT OIL	14	BBLS	5.79	81	2,329	58.23
26	HIGGINS	1-4	129	0	0 0	89.60	0.0	0	LIGHT OIL	0	BBLS	0 00	0	0	0.00
27	OTHER		0	0	0 0	0.00	0.0	0	LIGHT OIL	0	BBLS	0 00	0	0	0.00
28	NT CITY	1-14	1,186	54	0 3	95.09	0.0	14,108	LIGHT OIL	130	BBLS	5 84	759	16,011	29.76
29	RIO PINAR	1	16	0	0 0	0.00	0.0	0	LIGHT OIL	0	BBLS	0 00	0	0	0.00
30	SUWANNEE	1-3	200	3	0 6	96.56	0.0	21,667	LIGHT OIL	11	BBLS	5 91	65	1,379	45.97
31	TURNER	1-4	199	0	0 0	0.00	0.0	0	LIGHT OIL	0	BBLS	0 00	0	0	0.00
32	OTHER & START UP		-	0	-	0.00	0.0	0	LIGHT OIL	569	BBLS	5 83	3,320	126,466	0.00
33	SOLAR		92	15,369	22 5	0.00	0.0	0	SOLAR	0	N/A		0	0	0.00
34	TOTAL			3,058,345									24,379,616	108,895,443	3.56

Duke Energy Florida, LLC
System Net Generation and Fuel Cost
Estimated for the Period of: Feb-19

	(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		(J)	(K)	(L)	(M)
	PLANT/UNIT		NET CAPACITY (MW)	NET GENERATION (MWH)	CAPACITY FACTOR (%)	EQUIV AVA L FACTOR (%)	OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)		FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST ($)	FUEL COST PER KWH (C/KWH)
1	CRYSTAL RIVER	1	376	0	0 0	0.00	0.0	0	COAL	0	TONS	0.00	0	0	0 00
2	CRYSTAL RIVER	2	500	0	0 0	0.00	0.0	0	COAL	0	TONS	0.00	0	0	0 00
3	CRYSTAL RIVER	4	732	365,963	74.4	92.86	80.1	10,307	COAL	162,145	TONS	23.26	3,772,129	12,052,894	3 29
4	CRYSTAL RIVER	5	712	292,320	61.1	78.57	78.1	10,269	COAL	129,034	TONS	23.26	3,001,851	9,656,407	3 30
5	ANCLOTE	1	517	66,708	19 2	92.86	20.7	11,650	GAS	777,156	MCF	1.00	777,156	3,255,273	4 88
6	ANCLOTE	2	521	0	0 0	90.36	0.0	0	GAS	0	MCF	0.00	0	769,930	0 00
7	AVON PARK	1-2	69	0	0 0	94.29	0.0	0	GAS	0	MCF	0.00	0	0	0 00
8	BARTOW	1-4	228	134	0.1	78.48	29.3	13,747	GAS	1,838	MCF	1.00	1,838	9,517	7.12
9	BARTOW CC	1	1279	391,084	45 5	97.14	46.8	7,676	GAS	3,001,879	MCF	1.00	3,001,879	15,547,942	3 98
10	CITRUS CC	1-2	1640	1,083,076	98 3	98.39	100.1	6,491	GAS	7,030,375	MCF	1.00	7,030,375	36,413,146	3 36
11	DEBARY	1-10	785	881	0 2	84.86	12.5	12,459	GAS	10,979	MCF	1.00	10,979	56,865	6.45
12	HIGG NS	1-4	129	95	0.1	87.59	36.9	15,725	GAS	1,497	MCF	1.00	1,497	7,755	8.15
13	H NES CC	1-4	2,204	395,277	26.7	92.31	72.1	7,069	GAS	2,794,023	MCF	1.00	2,794,023	13,648,284	3.45
14	INT CITY	1-14	1,186	2,002	0 3	90.20	8.0	12,349	GAS	24,721	MCF	1.00	24,721	128,045	6.40
15	OSPREY CC	1	505	17,423	5.1	96.21	61.6	8,326	GAS	145,059	MCF	1.00	145,059	751,318	4 31
16	SUWANNEE STEAM	1	67	0	0 0	0.00	0.0	0	GAS	0	MCF	0.00	0	0	0 00
17	SUWANNEE STEAM	2	66	0	0 0	0.00	0.0	0	GAS	0	MCF	0.00	0	0	0 00
18	SUWANNEE STEAM	3	67	0	0 0	0.00	0.0	0	GAS	0	MCF	0.00	0	0	0 00
19	SUWANNEE CT	1-3	200	607	0 5	95.47	30.3	13,103	GAS	7,952	MCF	1.00	7,952	41,188	6.79
20	TIGER BAY CC	1	225	0	0 0	97.50	0.0	0	GAS	0	MCF	0.00	0	0	0 00
21	UNIV OF FLA. CC	1	47	31,133	98 6	98.57	100.1	9,356	GAS	291,292	MCF	1.00	291,292	1,537,849	4 94
22	AVON PARK	1-2	69	0	0 0	94.29	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
23	BARTOW	1-4	228	0	0 0	78.48	0.0	0	LIGHT OIL	0	BBLS	0.00	0	94	0 00
24	BAYBORO	1-4	231	0	0 0	95.36	0.0	0	LIGHT OIL	0	BBLS	0.00	0	244	0 00
25	DEBARY	1-10	785	0	0 0	84.86	0.0	0	LIGHT OIL	0	BBLS	0.00	0	1,062	0 00
26	HIGG NS	1-4	129	0	0 0	87.59	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
27	OTHER		0	0	0 0	0.00	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
28	INT CITY	1-14	1,186	0	0 0	90.20	0.0	0	LIGHT OIL	0	BBLS	0.00	0	4,403	0 00
29	RIO P NAR	1	16	0	0 0	0.00	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
30	SUWANNEE	1-3	200	0	0 0	95.47	0.0	0	LIGHT OIL	0	BBLS	0.00	0	355	0 00
31	TURNER	1-4	199	0	0 0	0.00	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
32	OTHER & START UP		-	0	-	0.00	0.0	0	LIGHT OIL	570	BBLS	5.82	3,320	126,815	0 00
33	SOLAR		92	15,825	25 6	0.00	0.0	0	SOLAR	0	N/A		0	0	0 00
34	TOTAL			2,662,527									20,864,071	94,009,386	3 53

Duke Energy Florida, LLC
System Net Generation and Fuel Cost
Estimated for the Period of: Mar-19

	(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		(J)	(K)	(L)	(M)
	PLANT/UNIT		NET CAPACITY (MW)	NET GENERATION (MWH)	CAPACITY FACTOR (%)	EQUIV AVAIL FACTOR (%)	OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)		FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST ($)	FUEL COST PER KWH (C/KWH)
1	CRYSTAL RIVER	1	376	0	0.0	0 00	0 0	0	COAL	0	TONS	0 00	0	0	0.00
2	CRYSTAL RIVER	2	500	0	0.0	0 00	0 0	0	COAL	0	TONS	0 00	0	0	0.00
3	CRYSTAL RIVER	4	732	408,463	75.0	95.16	79 3	10,338	COAL	181,616	TONS	23 25	4,222,673	13,353,333	3.27
4	CRYSTAL RIVER	5	712	0	0.0	0 00	0 0	0	COAL	0	TONS	0 00	0	317,057	0.00
5	ANCLOTE	1	517	93,495	24.3	93 23	26.1	11,241	GAS	1,051,009	MCF	1.00	1,051,009	4,200,139	4.49
6	ANCLOTE	2	521	2,886	0.7	92 58	42 6	11,072	GAS	31,958	MCF	1.00	31,958	1,031,910	35.75
7	AVON PARK	1-2	69	0	0.0	94 20	0 0	0	GAS	0	MCF	0.00	0	0	0.00
8	BARTOW	1-4	228	0	0.0	77 58	0 0	0	GAS	0	MCF	0.00	0	0	0.00
9	BARTOW CC	1	1279	209,740	22.0	44 51	23.7	11,029	GAS	2,313,134	MCF	1.00	2,313,134	11,175,258	5.33
10	CITRUS CC	1-2	1640	1,143,057	93.7	96.45	97 5	6,521	GAS	7,454,002	MCF	1.00	7,454,002	36,011,912	3.15
11	DEBARY	1-10	785	1,902	0.3	85 00	9.7	12,807	GAS	24,356	MCF	1.00	24,356	117,668	6.19
12	HIGGINS	1-4	129	6	0.0	88 63	2 3	41,333	GAS	248	MCF	1.00	248	1,198	19.97
13	HINES CC	1-4	2,204	836,093	51.0	83 87	72 3	7,273	GAS	6,080,843	MCF	1.00	6,080,843	28,491,958	3.41
14	NT CITY	1-14	1,186	2,629	0.3	85.77	6 3	12,794	GAS	33,633	MCF	1.00	33,633	162,489	6.18
15	OSPREY CC	1	505	82,359	21.9	68 39	72 8	7,879	GAS	648,903	MCF	1.00	648,903	3,134,993	3.81
16	SUWANNEE STEAM	1	67	0	0.0	0 00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
17	SUWANNEE STEAM	2	66	0	0.0	0 00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
18	SUWANNEE STEAM	3	67	0	0.0	0 00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
19	SUWANNEE CT	1-3	200	215	0.1	97.10	21 5	13,845	GAS	2,974	MCF	1.00	2,974	14,366	6.69
20	TIGER BAY CC	1	225	14,960	8.9	62.79	88.7	7,651	GAS	114,460	MCF	1.00	114,460	552,981	3.70
21	UNIV OF FLA. CC	1	47	8,501	24.3	22 06	97 8	9,363	GAS	79,590	MCF	1.00	79,590	392,477	4.62
22	AVON PARK	1-2	69	0	0.0	94 20	0 0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
23	BARTOW	1-4	228	0	0.0	77 58	0 0	0	LIGHT OIL	0	BBLS	0.00	0	94	0.00
24	BAYBORO	1-4	231	0	0.0	95 24	0 0	0	LIGHT OIL	0	BBLS	0 00	0	244	0.00
25	DEBARY	1-10	785	0	0.0	85 00	0 0	0	LIGHT OIL	0	BBLS	0 00	0	1,062	0.00
26	HIGGINS	1-4	129	0	0.0	88 63	0 0	0	LIGHT OIL	0	BBLS	0 00	0	0	0.00
27	OTHER		0	0	0.0	0 00	0 0	0	LIGHT OIL	0	BBLS	0 00	0	0	0.00
28	INT CITY	1-14	1,186	12	0.3	85.77	0 0	15,083	LIGHT OIL	31	BBLS	5 84	181	7,188	59.90
29	RIO PINAR	1	16	0	0.0	0 00	0 0	0	LIGHT OIL	0	BBLS	0 00	0	0	0.00
30	SUWANNEE	1-3	200	0	0.0	97.10	0 0	0	LIGHT OIL	0	BBLS		0	355	0.00
31	TURNER	1-4	199	0	0.0	0 00	0 0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
32	OTHER & START UP		-	0	-	0 00	0 0	0	LIGHT OIL	356	BBLS	5.83	2,075	107,375	0.00
33	SOLAR		92	21,340	31.2	0 00	0 0	0	SOLAR	0	N/A		0	0	0.00
34	TOTAL			2,825,658									22,060,039	99,074,057	3.51

Duke Energy Florida, LLC
System Net Generation and Fuel Cost
Estimated for the Period of: Apr-19

	(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		(J)	(K)	(L)	(M)
	PLANT/UNIT		NET CAPACITY (MW)	NET GENERATION (MWH)	CAPACITY FACTOR (%)	EQUIV AVAIL FACTOR (%)	OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)		FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST ($)	FUEL COST PER KWH (C/KWH)
1	CRYSTAL RIVER	1	376	0	0.0	0 00	0 0	0	COAL	0	TONS	0.00	0	0	0.00
2	CRYSTAL RIVER	2	500	0	0.0	0 00	0 0	0	COAL	0	TONS	0.00	0	0	0.00
3	CRYSTAL RIVER	4	732	384,086	72.9	97 00	75 3	10,379	COAL	171,567	TONS	23.24	3,986,619	12,539,634	3.26
4	CRYSTAL RIVER	5	712	34,743	6.8	10 00	80 0	10,263	COAL	15,344	TONS	23.24	356,551	1,410,207	4.06
5	ANCLOTE	1	517	32,907	8.8	28 33	25.1	11,326	GAS	372,693	MCF	1.00	372,693	1,987,897	6.04
6	ANCLOTE	2	521	73,503	19.6	93 67	36 5	11,198	GAS	823,109	MCF	1.00	823,109	3,203,121	4.36
7	AVON PARK	1-2	69	0	0.0	93 00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
8	BARTOW	1-4	228	29	0.0	77 33	12 6	15,069	GAS	434	MCF	1.00	434	1,883	6.54
9	BARTOW CC	1	1279	449,436	48.8	80 34	50 5	8,334	GAS	3,745,648	MCF	1.00	3,745,648	16,259,990	3.62
10	CITRUS CC	1-2	1640	791,432	67.0	69 00	97 2	6,516	GAS	5,156,726	MCF	1.00	5,156,726	22,385,525	2.83
11	DEBARY	1-10	785	8,576	1.5	84.70	9 6	12,943	GAS	110,993	MCF	1.00	110,993	481,824	5.62
12	HIGGINS	1-4	129	34	0.0	89 08	6 6	26,618	GAS	913	MCF	1.00	913	3,964	11.56
13	HINES CC	1-4	2,204	942,484	59.4	82 08	79 3	7,210	GAS	6,795,743	MCF	1.00	6,795,743	28,756,558	3.05
14	NT CITY	1-14	1,186	7,283	0.9	88 05	6.4	12,869	GAS	93,722	MCF	1.00	93,722	406,849	5.59
15	OSPREY CC	1	505	114,376	31.5	57.70	90 6	7,688	GAS	879,293	MCF	1.00	879,293	3,817,042	3.34
16	SUWANNEE STEAM	1	67	0	0.0	0 00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
17	SUWANNEE STEAM	2	66	0	0.0	0 00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
18	SUWANNEE STEAM	3	67	0	0.0	0 00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
19	SUWANNEE CT	1-3	200	4,172	2.9	96 56	25.4	13,399	GAS	55,898	MCF	1.00	55,898	242,655	5.82
20	TIGER BAY CC	1	225	0	0.0	0 00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
21	UNIV OF FLA. CC	1	47	883	2.6	0 00	98 9	9,646	GAS	8,519	MCF	1.00	8,519	37,833	4.28
22	AVON PARK	1-2	69	0	0.0	93 00	0 0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
23	BARTOW	1-4	228	0	0.0	77 33	0 0	0	LIGHT OIL	0	BBLS	0.00	0	94	0.00
24	BAYBORO	1-4	231	0	0.0	94.75	0 0	0	LIGHT OIL	0	BBLS	0.00	0	244	0.00
25	DEBARY	1-10	785	0	0.0	84.70	0 0	0	LIGHT OIL	0	BBLS	0.00	0	1,062	0.00
26	HIGGINS	1-4	129	0	0.0	89 08	0 0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
27	OTHER		0	0	0.0	0 00	0 0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
28	INT CITY	1-14	1,186	18	0.9	88 05	0 0	14,833	LIGHT OIL	46	BBLS	5.80	267	8,504	47.24
29	RIO PINAR	1	16	0	0.0	0 00	0 0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
30	SUWANNEE	1-3	200	0	0.0	96 56	0 0	0	LIGHT OIL	0	BBLS	0.00	0	355	0.00
31	TURNER	1-4	199	0	0.0	0 00	0 0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
32	OTHER & START UP		-	0	-	0 00	0 0	0	LIGHT OIL	926	BBLS	5.83	5,395	158,761	0.00
33	SOLAR		92	23,074	34.8	0 00	0 0	0	SOLAR	0	N/A		0	0	0.00
34	TOTAL			2,867,036									22,392,523	91,704,002	3.20

Duke Energy Florida, LLC
System Net Generation and Fuel Cost
Estimated for the Period of: May-19

	(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		(J)	(K)	(L)	(M)
	PLANT/UNIT		NET CAPACITY (MW)	NET GENERATION (MWH)	CAPACITY FACTOR (%)	EQUIV AVAIL FACTOR (%)	OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)		FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST ($)	FUEL COST PER KWH (C/KWH)
1	CRYSTAL RIVER	1	376	0	0.0	0 00	0 0	0	COAL	0	TONS	0.00	0	0	0.00
2	CRYSTAL RIVER	2	500	0	0.0	0 00	0 0	0	COAL	0	TONS	0.00	0	0	0.00
3	CRYSTAL RIVER	4	732	262,263	48.2	65 52	74 8	10,381	COAL	117,466	TONS	23.18	2,722,513	8,577,753	3.27
4	CRYSTAL RIVER	5	712	381,287	72.0	97.10	74 6	10,336	COAL	170,032	TONS	23.18	3,940,842	12,274,428	3.22
5	ANCLOTE	1	517	78,455	20.4	59 64	32 8	11,002	GAS	863,176	MCF	1.00	863,176	3,673,226	4.68
6	ANCLOTE	2	521	76,471	19.7	97.10	35.1	11,310	GAS	864,863	MCF	1.00	864,863	3,677,712	4.81
7	AVON PARK	1-2	69	0	0.0	93 39	0 0	0	GAS	0	MCF	0.00	0	0	0.00
8	BARTOW	1-4	228	0	0.0	78 95	0 0	0	GAS	0	MCF	0.00	0	0	0.00
9	BARTOW CC	1	1279	622,472	65.4	98 06	66.7	7,712	GAS	4,800,668	MCF	1.00	4,800,668	20,421,658	3.28
10	CITRUS CC	1-2	1640	603,023	49.4	49.78	98.4	6,545	GAS	3,946,911	MCF	1.00	3,946,911	16,789,841	2.78
11	DEBARY	1-10	785	10,741	1.8	85 23	9.7	12,925	GAS	138,827	MCF	1.00	138,827	590,559	5.50
12	HIGGINS	1-4	129	55	0.1	88 31	8 5	26,120	GAS	1,434	MCF	1.00	1,434	6,098	11.11
13	HINES CC	1-4	2,204	1,194,319	72.8	94.18	79.1	7,227	GAS	8,631,474	MCF	1.00	8,631,474	35,959,910	3.01
14	NT CITY	1-14	1,186	9,541	1.1	87 83	6 5	12,871	GAS	122,801	MCF	1.00	122,801	522,385	5.48
15	OSPREY CC	1	505	164,168	43.7	95 35	95 3	7,721	GAS	1,267,537	MCF	1.00	1,267,537	5,392,000	3.28
16	SUWANNEE STEAM	1	67	0	0.0	0 00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
17	SUWANNEE STEAM	2	66	0	0.0	0 00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
18	SUWANNEE STEAM	3	67	0	0.0	0 00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
19	SUWANNEE CT	1-3	200	4,414	3.0	96 02	25.7	13,402	GAS	59,160	MCF	1.00	59,160	251,661	5.70
20	TIGER BAY CC	1	225	53,750	32.1	41 59	88 8	7,486	GAS	402,353	MCF	1.00	402,353	1,711,578	3.18
21	UNIV OF FLA. CC	1	47	33,230	95.0	97.10	97 9	9,362	GAS	311,102	MCF	1.00	311,102	1,354,514	4.08
22	AVON PARK	1-2	69	0	0.0	93 39	0 0	0	LIGHT O L	0	BBLS	0.00	0	0	0.00
23	BARTOW	1-4	228	0	0.0	78 95	0 0	0	LIGHT O L	0	BBLS	0.00	0	94	0.00
24	BAYBORO	1-4	231	0	0.0	94 60	0 0	0	LIGHT O L	0	BBLS	0.00	0	244	0.00
25	DEBARY	1-10	785	8	1.8	85 23	0 0	19,500	LIGHT O L	26	BBLS	6.00	156	3,489	43.61
26	HIGGINS	1-4	129	0	0.0	88 31	0 0	0	LIGHT O L	0	BBLS	0.00	0	0	0.00
27	OTHER		0	0	0.0	0 00	0 0	0	LIGHT O L	0	BBLS	0.00	0	0	0.00
28	NT CITY	1-14	1,186	37	1.1	87 83	0 0	14,173	LIGHT O L	90	BBLS	5.81	523	12,426	33.67
29	RIO PINAR	1	16	0	0.0	0 00	0 0	0	LIGHT O L	0	BBLS	0.00	0	0	0.00
30	SUWANNEE	1-3	200	0	0.0	96 02	0 0	0	LIGHT O L	0	BBLS	0.00	0	355	0.00
31	TURNER	1-4	199	0	0.0	0 00	0 0	0	LIGHT O L	0	BBLS	0.00	0	0	0.00
32	OTHER & START UP		-	0	-	0 00	0 0	0	LIGHT O L	1,140	BBLS	5.82	6,640	177,976	0.00
33	SOLAR		92	24,870	36.3	0 00	0 0	0	SOLAR	0	N/A		0	0	0.00
34	TOTAL			3,519,104									28,080,980	111,397,907	3.17

Duke Energy Florida, LLC
System Net Generation and Fuel Cost
Estimated for the Period of: Jun-19

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		(J)	(K)	(L)	(M)
	PLANT/UNIT	NET CAPACITY (MW)	NET GENERATION (MWH)	CAPACITY FACTOR (%)	EQUIV AVAIL FACTOR (%)	OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)		FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST ($)	FUEL COST PER KWH (C/KWH)
1	CRYSTAL RIVER 1	376	0	0.0	0.00	0.0	0	COAL	0	TONS	0.00	0	0	0 00
2	CRYSTAL RIVER 2	500	0	0.0	0.00	0.0	0	COAL	0	TONS	0.00	0	0	0 00
3	CRYSTAL RIVER 4	732	347,607	66.0	93.00	72.5	10,419	COAL	156,630	TONS	23.12	3,621,567	11,209,650	3 22
4	CRYSTAL RIVER 5	712	346,108	67.5	95.00	72.0	10,371	COAL	155,238	TONS	23.12	3,589,370	11,112,811	3 21
5	ANCLOTE 1	517	97,045	26.1	84.67	30.8	11,058	GAS	1,073,106	MCF	1.00	1,073,106	3,955,918	4 08
6	ANCLOTE 2	521	38,057	10.1	97.00	36.0	11,294	GAS	429,819	MCF	1.00	429,819	2,229,978	5 86
7	AVON PARK 1-2	69	0	0.0	93.67	0.0	0	GAS	0	MCF	0.00	0	0	0 00
8	BARTOW 1-4	228	103	0.1	78.75	22.6	13,973	GAS	1,442	MCF	1.00	1,442	5,936	5.75
9	BARTOW CC 1	1279	566,520	61.5	95.33	64.5	7,714	GAS	4,370,361	MCF	1.00	4,370,361	17,987,986	3.18
10	CITRUS CC 1-2	1640	1,123,344	95.1	97.67	97.5	6,513	GAS	7,316,244	MCF	1.00	7,316,244	30,112,960	2 68
11	DEBARY 1-10	785	7,348	1.3	85.30	9.8	12,931	GAS	95,018	MCF	1.00	95,018	391,086	5 32
12	HIGG NS 1-4	129	51	0.1	89.83	9.9	20,157	GAS	1,030	MCF	1.00	1,030	4,241	8 30
13	H NES CC 1-4	2,204	1,048,560	66.1	96.33	74.0	7,289	GAS	7,642,917	MCF	1.00	7,642,917	30,717,649	2 93
14	INT CITY 1-14	1,186	7,954	0.9	93.61	6.4	12,865	GAS	102,325	MCF	1.00	102,325	421,160	5 30
15	OSPREY CC 1	505	141,717	39.0	97.16	97.8	7,767	GAS	1,100,666	MCF	1.00	1,100,666	4,530,237	3 20
16	SUWANNEE STEAM 1	67	0	0.0	0.00	0.0	0	GAS	0	MCF	0.00	0	0	0 00
17	SUWANNEE STEAM 2	66	0	0.0	0.00	0.0	0	GAS	0	MCF	0.00	0	0	0 00
18	SUWANNEE STEAM 3	67	0	0.0	0.00	0.0	0	GAS	0	MCF	0.00	0	0	0 00
19	SUWANNEE CT 1-3	200	3,149	2.2	97.11	25.4	13,500	GAS	42,508	MCF	1.00	42,508	174,957	5 56
20	TIGER BAY CC 1	225	85,210	52.6	95.00	88.9	7,503	GAS	639,333	MCF	1.00	639,333	2,631,434	3 09
21	UNIV OF FLA. CC 1	47	32,458	95.9	98.00	97.8	9,356	GAS	303,681	MCF	1.00	303,681	1,280,289	3 94
22	AVON PARK 1-2	69	0	0.0	93.67	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
23	BARTOW 1-4	228	0	0.0	78.75	0.0	0	LIGHT OIL	0	BBLS	0.00	0	94	0 00
24	BAYBORO 1-4	231	0	0.0	94.34	0.0	0	LIGHT OIL	0	BBLS	0.00	0	244	0 00
25	DEBARY 1-10	785	0	0.0	85.30	0.0	0	LIGHT OIL	0	BBLS	0.00	0	1,062	0 00
26	HIGG NS 1-4	129	0	0.0	89.83	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
27	OTHER	0	0	0.0	0.00	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
28	INT CITY 1-14	1,186	0	0.0	93.61	0.0	0	LIGHT OIL	0	BBLS	0.00	0	4,403	0 00
29	RIO P NAR 1	16	0	0.0	0.00	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
30	SUWANNEE 1-3	200	0	0.0	97.11	0.0	0	LIGHT OIL	0	BBLS	0.00	0	355	0 00
31	TURNER 1-4	199	0	0.0	0.00	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
32	OTHER & START UP	-	0	-	0.00	0.0	0	LIGHT OIL	783	BBLS	5.83	4,565	145,949	0 00
33	SOLAR	92	22,663	34.2	0.00	0.0	0	SOLAR	0	N/A		0	0	0 00
34	TOTAL		3,867,893									30,333,952	116,918,399	3 02

Duke Energy Florida, LLC
System Net Generation and Fuel Cost
Estimated for the Period of: Jul-19

	(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		(J)	(K)	(L)	(M)
	PLANT/UNIT		NET CAPACITY (MW)	NET GENERATION (MWH)	CAPACITY FACTOR (%)	EQUIV AVAIL FACTOR (%)	OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)		FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST ($)	FUEL COST PER KWH (C/KWH)
1	CRYSTAL RIVER	1	376	0	0.0	0 00	0.0	0	COAL	0	TONS	0.00	0	0	0 00
2	CRYSTAL RIVER	2	500	0	0.0	0 00	0.0	0	COAL	0	TONS	0.00	0	0	0 00
3	CRYSTAL RIVER	4	732	363,416	66.7	92 58	73.3	10,410	COAL	163,959	TONS	23.07	3,783,290	11,617,055	3 20
4	CRYSTAL RIVER	5	712	363,713	68.7	95.16	73.0	10,359	COAL	163,284	TONS	23.07	3,767,700	11,570,491	3.18
5	ANCLOTE	1	517	104,189	27.1	87.10	31.1	11,037	GAS	1,149,902	MCF	1.00	1,149,902	4,264,579	4 09
6	ANCLOTE	2	521	43,471	11.2	97.10	36.0	11,332	GAS	492,595	MCF	1.00	492,595	2,482,621	5.71
7	AVON PARK	1-2	69	0	0.0	93.71	0.0	0	GAS	0	MCF	0.00	0	0	0 00
8	BARTOW	1-4	228	61	0.0	78.47	13.4	13,934	GAS	850	MCF	1.00	850	3,494	5.73
9	BARTOW CC	1	1279	597,278	62.8	96.77	64.9	7,711	GAS	4,605,685	MCF	1.00	4,605,685	18,919,662	3.17
10	CITRUS CC	1-2	1640	1,170,623	95.9	98 07	98.0	6,512	GAS	7,622,614	MCF	1.00	7,622,614	31,312,879	2 67
11	DEBARY	1-10	785	6,503	1.1	84.45	9.5	12,993	GAS	84,497	MCF	1.00	84,497	347,104	5 34
12	HIGG NS	1-4	129	10	0.0	88 55	3.8	29,192	GAS	289	MCF	1.00	289	1,187	11 99
13	H NES CC	1-4	2,204	1,141,316	69.6	97 26	75.0	7,274	GAS	8,301,816	MCF	1.00	8,301,816	34,102,967	2 99
14	INT CITY	1-14	1,186	7,351	0.8	94 84	6.5	12,891	GAS	94,768	MCF	1.00	94,768	389,298	5 30
15	OSPREY CC	1	505	143,474	38.2	96 94	95.3	7,766	GAS	1,114,232	MCF	1.00	1,114,232	4,577,146	3.19
16	SUWANNEE STEAM	1	67	0	0.0	0 00	0.0	0	GAS	0	MCF	0.00	0	0	0 00
17	SUWANNEE STEAM	2	66	0	0.0	0 00	0.0	0	GAS	0	MCF	0.00	0	0	0 00
18	SUWANNEE STEAM	3	67	0	0.0	0 00	0.0	0	GAS	0	MCF	0.00	0	0	0 00
19	SUWANNEE CT	1-3	200	2,968	2.0	96 56	25.6	13,407	GAS	39,794	MCF	1.00	39,794	163,470	5 51
20	TIGER BAY CC	1	225	89,399	53.4	96.45	88.9	7,488	GAS	669,396	MCF	1.00	669,396	2,749,807	3 08
21	UNIV OF FLA. CC	1	47	33,672	96.3	98 39	97.9	9,357	GAS	315,069	MCF	1.00	315,069	1,325,777	3 94
22	AVON PARK	1-2	69	0	0.0	93.71	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
23	BARTOW	1-4	228	0	0.0	78.47	0.0	0	LIGHT OIL	0	BBLS	0.00	0	94	0 00
24	BAYBORO	1-4	231	0	0.0	95 08	0.0	0	LIGHT OIL	0	BBLS	0.00	0	244	0 00
25	DEBARY	1-10	785	0	0.0	84.45	0.0	0	LIGHT OIL	0	BBLS	0.00	0	1,062	0 00
26	HIGG NS	1-4	129	0	0.0	88 55	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
27	OTHER		0	0	0.0	0 00	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
28	INT CITY	1-14	1,186	0	0.0	94 84	0.0	0	LIGHT OIL	0	BBLS	0.00	0	4,403	0 00
29	RIO P NAR	1	16	0	0.0	0 00	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
30	SUWANNEE	1-3	200	0	0.0	96 56	0.0	0	LIGHT OIL	0	BBLS		0	355	0 00
31	TURNER	1-4	199	0	0.0	0 00	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0 00
32	OTHER & START UP		-	0	-	0 00	0.0	0	LIGHT OIL	926	BBLS	5.83	5,395	159,047	0 00
33	SOLAR		92	21,977	32.1	0 00	0.0	0	SOLAR	0	N/A		0	0	0 00
34	TOTAL			4,089,422									32,047,892	123,992,742	3 03

Duke Energy Florida, LLC
System Net Generation and Fuel Cost
Estimated for the Period of: Aug-19

	(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		(J)	(K)	(L)	(M)
	PLANT/UNIT		NET CAPACITY (MW)	NET GENERATION (MWH)	CAPACITY FACTOR (%)	EQUIV AVAIL FACTOR (%)	OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)		FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST ($)	FUEL COST PER KWH (C/KWH)
1	CRYSTAL RIVER	1	376	0	0.0	0.00	0 0	0	COAL	0	TONS	0.00	0	0	0.00
2	CRYSTAL RIVER	2	500	0	0.0	0.00	0 0	0	COAL	0	TONS	0.00	0	0	0.00
3	CRYSTAL RIVER	4	732	387,492	71.2	97.74	73.1	10,411	COAL	175,123	TONS	23.04	4,034,178	12,300,294	3.17
4	CRYSTAL RIVER	5	712	359,638	67.9	94.19	72.7	10,362	COAL	161,765	TONS	23.04	3,726,466	11,386,258	3.17
5	ANCLOTE	1	517	99,502	25.9	85.81	30 2	11,071	GAS	1,101,608	MCF	1.00	1,101,608	4,087,644	4.11
6	ANCLOTE	2	521	38,849	10.0	90.32	33.4	11,448	GAS	444,730	MCF	1.00	444,730	2,300,278	5.92
7	AVON PARK	1-2	69	0	0.0	94.36	0 0	0	GAS	0	MCF	0.00	0	0	0.00
8	BARTOW	1-4	228	115	0.1	78.55	25 3	13,995	GAS	1,615	MCF	1.00	1,615	6,672	5.78
9	BARTOW CC	1	1279	601,093	63.2	97.42	64 8	7,713	GAS	4,636,329	MCF	1.00	4,636,329	19,152,678	3.19
10	CITRUS CC	1-2	1640	1,126,823	92.4	94.84	97 9	6,519	GAS	7,345,713	MCF	1.00	7,345,713	30,345,147	2.69
11	DEBARY	1-10	785	6,710	1.1	84.58	9.7	12,916	GAS	86,664	MCF	1.00	86,664	358,010	5.34
12	HIGGINS	1-4	129	17	0.0	89.28	6 6	25,917	GAS	438	MCF	1.00	438	1,808	10.70
13	HINES CC	1-4	2,204	1,158,531	70.7	97.66	74 6	7,274	GAS	8,426,875	MCF	1.00	8,426,875	34,811,426	3.00
14	INT CITY	1-14	1,186	8,266	0.9	94.82	6 5	12,841	GAS	106,150	MCF	1.00	106,150	438,506	5.30
15	OSPREY CC	1	505	136,789	36.4	96.29	93.1	7,793	GAS	1,066,065	MCF	1.00	1,066,065	4,403,916	3.22
16	SUWANNEE STEAM	1	67	0	0.0	0.00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
17	SUWANNEE STEAM	2	66	0	0.0	0.00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
18	SUWANNEE STEAM	3	67	0	0.0	0.00	0 0	0	GAS	0	MCF	0.00	0	0	0.00
19	SUWANNEE CT	1-3	200	3,159	2.1	96.66	25 5	13,397	GAS	42,316	MCF	1.00	42,316	174,807	5.53
20	TIGER BAY CC	1	225	92,227	55.1	96.13	88 9	7,491	GAS	690,900	MCF	1.00	690,900	2,854,109	3.09
21	UNIV OF FLA. CC	1	47	33,010	94.4	96.45	97 8	9,362	GAS	309,038	MCF	1.00	309,038	1,307,539	3.96
22	AVON PARK	1-2	69	0	0.0	94.36	0 0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
23	BARTOW	1-4	228	0	0.0	78.55	0 0	0	LIGHT OIL	0	BBLS	0.00	0	94	0.00
24	BAYBORO	1-4	231	0	0.0	95.57	0 0	0	LIGHT OIL	0	BBLS	0.00	0	244	0.00
25	DEBARY	1-10	785	0	0.0	84.58	0 0	0	LIGHT OIL	0	BBLS	0.00	0	1,062	0.00
26	HIGGINS	1-4	129	0	0.0	89.28	0 0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
27	OTHER		0	0	0.0	0.00	0 0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
28	INT CITY	1-14	1,186	0	0.0	94.82	0 0	0	LIGHT OIL	0	BBLS	0.00	0	4,403	0.00
29	RIO PINAR	1	16	0	0.0	0.00	0 0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
30	SUWANNEE	1-3	200	0	0.0	96.66	0 0	0	LIGHT OIL	0	BBLS		0	355	0.00
31	TURNER	1-4	199	0	0.0	0.00	0 0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
32	OTHER & START UP		-	0	-	0.00	0 0	0	LIGHT OIL	570	BBLS	5.82	3,320	126,934	0.00
33	SOLAR		92	21,145	30.9	0.00	0 0	0	SOLAR	0	N/A		0	0	0.00
34	TOTAL			4,073,366									32,022,405	124,062,184	3.05

Duke Energy Florida, LLC
System Net Generation and Fuel Cost
Estimated for the Period of: Sep-19

	(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		(J)	(K)	(L)	(M)
	PLANT/UNIT		NET CAPACITY (MW)	NET GENERATION (MWH)	CAPACITY FACTOR (%)	EQUIV AVAIL FACTOR (%)	OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)		FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST ($)	FUEL COST PER KWH (C/KWH)
1	CRYSTAL RIVER	1	376	0	0 0	0.00	0.0	0	COAL	0	TONS	0.00	0	0	0.00
2	CRYSTAL RIVER	2	500	0	0 0	0.00	0.0	0	COAL	0	TONS	0.00	0	0	0.00
3	CRYSTAL RIVER	4	732	356,122	67 6	93.33	73.5	10,404	COAL	161,005	TONS	23.01	3,705,207	11,323,332	3.18
4	CRYSTAL RIVER	5	712	350,642	68.4	95.00	73.0	10,357	COAL	157,807	TONS	23.01	3,631,606	11,105,530	3.17
5	ANCLOTE	1	517	101,550	27 3	91.67	29.8	11,073	GAS	1,124,443	MCF	1.00	1,124,443	4,160,647	4.10
6	ANCLOTE	2	521	34,193	9.1	93.00	35.7	11,316	GAS	386,926	MCF	1.00	386,926	2,160,500	6.32
7	AVON PARK	1-2	69	0	0 0	93.84	0.0	0	GAS	0	MCF	0.00	0	0	0.00
8	BARTOW	1-4	228	117	0.1	75.61	17.1	14,022	GAS	1,642	MCF	1.00	1,642	6,867	5.86
9	BARTOW CC	1	1279	573,224	62 2	94.29	64.6	7,709	GAS	4,419,264	MCF	1.00	4,419,264	18,483,124	3.22
10	CITRUS CC	1-2	1640	1,089,640	92 3	94.67	98.1	6,518	GAS	7,102,131	MCF	1.00	7,102,131	29,703,946	2.73
11	DEBARY	1-10	785	5,394	1 0	75.84	10.0	12,858	GAS	69,359	MCF	1.00	69,359	290,087	5.38
12	HIGGINS	1-4	129	24	0 0	89.67	9.1	19,661	GAS	464	MCF	1.00	464	1,942	8.23
13	HINES CC	1-4	2,204	1,010,701	63.7	88.54	75.3	7,275	GAS	7,352,395	MCF	1.00	7,352,395	30,750,648	3.04
14	NT CITY	1-14	1,186	7,760	0 9	94.81	6.5	12,831	GAS	99,561	MCF	1.00	99,561	416,403	5.37
15	OSPREY CC	1	505	138,462	38.1	97.09	95.9	7,773	GAS	1,076,305	MCF	1.00	1,076,305	4,501,536	3.25
16	SUWANNEE STEAM	1	67	0	0 0	0.00	0.0	0	GAS	0	MCF	0.00	0	0	0.00
17	SUWANNEE STEAM	2	66	0	0 0	0.00	0.0	0	GAS	0	MCF	0.00	0	0	0.00
18	SUWANNEE STEAM	3	67	0	0 0	0.00	0.0	0	GAS	0	MCF	0.00	0	0	0.00
19	SUWANNEE CT	1-3	200	2,301	1 6	79.67	26.1	13,407	GAS	30,846	MCF	1.00	30,846	129,009	5.61
20	TIGER BAY CC	1	225	71,480	44.1	93.00	89.0	7,523	GAS	537,768	MCF	1.00	537,768	2,249,159	3.15
21	UNIV OF FLA. CC	1	47	32,237	95 3	97.33	97.8	9,358	GAS	301,681	MCF	1.00	301,681	1,291,918	4.01
22	AVON PARK	1-2	69	0	0 0	93.84	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
23	BARTOW	1-4	228	0	0 0	75.61	0.0	0	LIGHT OIL	0	BBLS	0.00	0	94	0.00
24	BAYBORO	1-4	231	0	0 0	94.75	0.0	0	LIGHT OIL	0	BBLS	0.00	0	244	0.00
25	DEBARY	1-10	785	0	0 0	75.84	0.0	0	LIGHT OIL	0	BBLS	0.00	0	1,062	0.00
26	HIGGINS	1-4	129	0	0 0	89.67	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
27	OTHER		0	0	0 0	0.00	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
28	NT CITY	1-14	1,186	0	0 0	94.81	0.0	0	LIGHT OIL	0	BBLS	0.00	0	4,403	0.00
29	RIO PINAR	1	16	0	0 0	0.00	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
30	SUWANNEE	1-3	200	0	0 0	79.67	0.0	0	LIGHT OIL	0	BBLS	0.00	0	355	0.00
31	TURNER	1-4	199	0	0 0	0.00	0.0	0	LIGHT OIL	0	BBLS	0.00	0	0	0.00
32	OTHER & START UP		-	0	-	0.00	0.0	0	LIGHT OIL	854	BBLS	5.83	4,980	153,042	0.00
33	SOLAR		92	19,147	28 9	0.00	0.0	0	SOLAR	0	N/A		0	0	0.00
34	TOTAL			3,792,994									29,844,578	116,733,848	3.08

Duke Energy Florida, LLC
System Net Generation and Fuel Cost
Estimated for the Period of: Oct-19

	(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)		(J)	(K)	(L)	(M)
	PLANT/UNIT		NET CAPACITY (MW)	NET GENERATION (MWH)	CAPACITY FACTOR (%)	EQUIV AVAIL FACTOR (%)	OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)		FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST ($)	FUEL COST PER KWH (C/KWH)
1	CRYSTAL RIVER	1	376	0	0 0	0.00	0.0	0	COAL	0	TONS	0 00	0	0	0.00
2	CRYSTAL RIVER	2	500	0	0 0	0.00	0.0	0	COAL	0	TONS	0 00	0	0	0.00
3	CRYSTAL RIVER	4	732	332,350	61 0	92.26	69.5	10,454	COAL	151,053	TONS	23 00	3,474,524	10,615,229	3.19
4	CRYSTAL RIVER	5	712	320,534	60 5	91.94	68.8	10,405	COAL	144,990	TONS	23 00	3,335,065	10,203,557	3.18
5	ANCLOTE	1	517	35,508	9 2	94.19	33.8	11,029	GAS	391,626	MCF	1 00	391,626	1,481,495	4.17
6	ANCLOTE	2	521	10,383	2.7	66.88	35.6	11,346	GAS	117,814	MCF	1 00	117,814	738,918	7.12
7	AVON PARK	1-2	69	0	0 0	92.58	0.0	0	GAS	0	MCF	0 00	0	0	0.00
8	BARTOW	1-4	228	196	0.1	57.41	17.2	13,996	GAS	2,739	MCF	1 00	2,739	11,937	6.10
9	BARTOW CC	1	1279	533,722	56.1	75.44	58.5	7,663	GAS	4,089,860	MCF	1 00	4,089,860	17,825,815	3.34
10	CITRUS CC	1-2	1640	1,121,269	91 9	96.13	95.8	6,520	GAS	7,310,664	MCF	1 00	7,310,664	31,863,814	2.84
11	DEBARY	1-10	785	4,297	0.7	78.46	7.8	13,651	GAS	58,661	MCF	1 00	58,661	255,676	5.95
12	HIGG NS	1-4	129	88	0.1	87.26	6.2	29,523	GAS	2,598	MCF	1 00	2,598	11,322	12.87
13	H NES CC	1-4	2,204	684,772	41 8	67.67	71.3	7,352	GAS	5,034,502	MCF	1 00	5,034,502	21,943,071	3.20
14	INT CITY	1-14	1,186	7,145	0 8	91.17	6.1	13,025	GAS	93,061	MCF	1 00	93,061	405,613	5.68
15	OSPREY CC	1	505	132,358	35 2	98.06	97.1	7,772	GAS	1,028,683	MCF	1 00	1,028,683	4,483,554	3.39
16	SUWANNEE STEAM	1	67	0	0 0	0.00	0.0	0	GAS	0	MCF	0 00	0	0	0.00
17	SUWANNEE STEAM	2	66	0	0 0	0.00	0.0	0	GAS	0	MCF	0 00	0	0	0.00
18	SUWANNEE STEAM	3	67	0	0 0	0.00	0.0	0	GAS	0	MCF	0 00	0	0	0.00
19	SUWANNEE CT	1-3	200	1,938	1 3	65.16	21.1	14,446	GAS	28,000	MCF	1 00	28,000	122,041	6.30
20	TIGER BAY CC	1	225	72,247	43 2	95.81	88.7	7,524	GAS	543,554	MCF	1 00	543,554	2,369,102	3.28
21	UNIV OF FLA. CC	1	47	18,326	52.4	52.49	98.0	9,376	GAS	171,829	MCF	1 00	171,829	766,107	4.18
22	AVON PARK	1-2	69	1	0 0	92.58	0.0	43,000	LIGHT OIL	7	BBLS	6.14	43	665	66.50
23	BARTOW	1-4	228	0	0 0	57.41	0.0	0	LIGHT OIL	0	BBLS	0 00	0	94	0.00
24	BAYBORO	1-4	231	7	0 0	94.92	0.0	14,730	LIGHT OIL	19	BBLS	5.74	109	1,921	25.96
25	DEBARY	1-10	785	6	0.7	78.46	0.0	18,833	LIGHT OIL	19	BBLS	5 95	113	2,844	47.40
26	HIGG NS	1-4	129	0	0 0	87.26	0.0	0	LIGHT OIL	0	BBLS	0 00	0	0	0.00
27	OTHER		0	0	0 0	0.00	0.0	0	LIGHT OIL	0	BBLS	0 00	0	0	0.00
28	INT CITY	1-14	1,186	80	0 8	91.17	6.7	14,586	LIGHT OIL	201	BBLS	5.79	1,164	22,437	28.12
29	RIO P NAR	1	16	0	0 0	0.00	0.0	0	LIGHT OIL	0	BBLS	0 00	0	0	0.00
30	SUWANNEE	1-3	200	15	1 3	65.16	0.0	12,733	LIGHT OIL	33	BBLS	5.79	191	3,426	22.84
31	TURNER	1-4	199	0	0 0	0.00	0.0	0	LIGHT OIL	0	BBLS	0 00	0	0	0.00
32	OTHER & START UP		-	0	-	0.00	0.0	0	LIGHT OIL	1,109	BBLS	5 83	6,465	176,325	0.00
33	SOLAR		92	19,359	28 3	0.00	0.0	0	SOLAR	0	N/A		0	0	0.00
34	TOTAL			3,294,602									25,691,265	103,304,963	3.14

Duke Energy Florida, LLC
System Net Generation and Fuel Cost
Estimated for the Period of: Nov-19

(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
PLANT/UNIT		NET CAPACITY (MW)	NET GENERATION (MWH)	CAPACITY FACTOR (%)	EQUIV AVA L FACTOR (%)	OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST ($)	FUEL COST PER KWH (C/KWH)
1 CRYSTAL RIVER	1	376	0	0 0	0.00	0.0	0	COAL	0 TONS	0.00	0	0	0 00
2 CRYSTAL RIVER	2	500	0	0 0	0.00	0.0	0	COAL	0 TONS	0.00	0	0	0 00
3 CRYSTAL RIVER	4	732	353,610	67.1	92.00	76.1	10,357	COAL	159,316 TONS	22.99	3,662,217	11,140,775	3.15
4 CRYSTAL RIVER	5	712	354,459	69.1	95.33	73.2	10,321	COAL	159,155 TONS	22.99	3,658,521	11,129,894	3.14
5 ANCLOTE	1	517	4,353	1 2	90.00	23.4	11,351	GAS	49,416 MCF	1.00	49,416	186,118	4 28
6 ANCLOTE	2	521	0	0 0	95.33	0.0	0	GAS	0 MCF	0.00	0	49,582	0 00
7 AVON PARK	1-2	69	0	0 0	94.33	0.0	0	GAS	0 MCF	0.00	0	0	0 00
8 BARTOW	1-4	228	0	0 0	80.09	0.0	0	GAS	0 MCF	0.00	0	0	0 00
9 BARTOW CC	1	1279	557,752	60 6	97.32	61.8	7,681	GAS	4,284,085 MCF	1.00	4,284,085	20,433,949	3 66
10 CITRUS CC	1-2	1640	579,700	49.1	50.38	97.6	6,510	GAS	3,773,590 MCF	1.00	3,773,590	17,999,020	3.10
11 DEBARY	1-10	785	1,513	0 3	84.70	6.0	14,710	GAS	22,249 MCF	1.00	22,249	106,119	7 02
12 HIGG NS	1-4	129	4	0 0	89.34	7.7	41,250	GAS	165 MCF	1.00	165	788	19.70
13 H NES CC	1-4	2,204	736,768	46.4	78.23	75.9	7,285	GAS	5,367,692 MCF	1.00	5,367,692	25,602,462	3.47
14 INT CITY	1-14	1,186	801	0.1	83.58	5.2	13,612	GAS	10,898 MCF	1.00	10,898	51,980	6.49
15 OSPREY CC	1	505	85,665	23 6	96.59	75.1	7,922	GAS	678,604 MCF	1.00	678,604	3,236,761	3.78
16 SUWANNEE STEAM	1	67	0	0 0	0.00	0.0	0	GAS	0 MCF	0.00	0	0	0 00
17 SUWANNEE STEAM	2	66	0	0 0	0.00	0.0	0	GAS	0 MCF	0.00	0	0	0 00
18 SUWANNEE STEAM	3	67	0	0 0	0.00	0.0	0	GAS	0 MCF	0.00	0	0	0 00
19 SUWANNEE CT	1-3	200	656	0 5	66.90	18.2	15,238	GAS	9,990 MCF	1.00	9,990	47,651	7 27
20 TIGER BAY CC	1	225	54,320	33 5	95.00	88.8	7,484	GAS	406,552 MCF	1.00	406,552	1,939,146	3 57
21 UNIV OF FLA. CC	1	47	31,795	94 0	96.00	97.9	9,363	GAS	297,714 MCF	1.00	297,714	1,449,788	4 56
22 AVON PARK	1-2	69	0	0 0	94.33	0.0	0	LIGHT OIL	0 BBLS	0.00	0	0	0 00
23 BARTOW	1-4	228	0	0 0	80.09	0.0	0	LIGHT OIL	0 BBLS	0.00	0	94	0 00
24 BAYBORO	1-4	231	0	0 0	95.50	0.0	0	LIGHT OIL	0 BBLS	0.00	0	244	0 00
25 DEBARY	1-10	785	0	0 0	84.70	0.0	0	LIGHT OIL	0 BBLS	0.00	0	1,062	0 00
26 HIGG NS	1-4	129	0	0 0	89.34	0.0	0	LIGHT OIL	0 BBLS	0.00	0	0	0 00
27 OTHER		0	0	0 0	0.00	0.0	0	LIGHT OIL	0 BBLS	0.00	0	0	0 00
28 INT CITY	1-14	1,186	0	0 0	83.58	0.0	0	LIGHT OIL	0 BBLS	0.00	0	4,403	0 00
29 RIO P NAR	1	16	0	0 0	0.00	0.0	0	LIGHT OIL	0 BBLS	0.00	0	0	0 00
30 SUWANNEE	1-3	200	0	0 0	66.90	0.0	0	LIGHT OIL	0 BBLS	0.00	0	355	0 00
31 TURNER	1-4	199	0	0 0	0.00	0.0	0	LIGHT OIL	0 BBLS	0.00	0	0	0 00
32 OTHER & START UP		-	0	-	0.00	0.0	0	LIGHT OIL	926 BBLS	5.83	5,395	159,516	0 00
33 SOLAR		92	16,106		0.00	0.0	0	SOLAR	0 N/A		0	0	0 00
34 TOTAL			2,777,501								22,227,088	93,539,707	3 37

Duke Energy Florida, LLC
System Net Generation and Fuel Cost
Estimated for the Period of: Dec-19

	(A)		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	PLANT/UNIT		NET CAPACITY (MW)	NET GENERATION (MWH)	CAPACITY FACTOR (%)	EQUIV AVAIL FACTOR (%)	OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MMBTU)	AS BURNED FUEL COST ($)	FUEL COST PER KWH (C/KWH)
1	CRYSTAL RIVER	1	376	0	0.0	0 00	0.0	0	COAL	0 TONS	0 00	0	0	0.00
2	CRYSTAL RIVER	2	500	0	0.0	0 00	0.0	0	COAL	0 TONS	0 00	0	0	0.00
3	CRYSTAL RIVER	4	732	261,128	47.9	92 90	67.6	10,474	COAL	118,965 TONS	22 99	2,735,078	8,402,481	3.22
4	CRYSTAL RIVER	5	712	322,381	60.9	97.10	63.9	10,462	COAL	146,696 TONS	22 99	3,372,640	10,277,526	3.19
5	ANCLOTE	1	517	0	0.0	90 32	0.0	0	GAS	0 MCF	0 00	0	0	0.00
6	ANCLOTE	2	521	0	0.0	92 90	0.0	0	GAS	0 MCF	0 00	0	0	0.00
7	AVON PARK	1-2	69	0	0.0	91 94	0.0	0	GAS	0 MCF	0 00	0	0	0.00
8	BARTOW	1-4	228	12	0.0	77 99	6.6	22,917	GAS	275 MCF	1 00	275	1,315	10.96
9	BARTOW CC	1	1279	442,755	46.5	94.19	49.4	7,663	GAS	3,393,005 MCF	1 00	3,393,005	16,244,884	3.67
10	CITRUS CC	1-2	1640	1,239,925	101.6	97.42	105.1	6,483	GAS	8,038,537 MCF	1 00	8,038,537	38,486,565	3.10
11	DEBARY	1-10	785	821	0.1	84.42	7.5	14,026	GAS	11,508 MCF	1 00	11,508	55,098	6.72
12	HIGGINS	1-4	129	21	0.0	89.19	0.0	15,421	GAS	330 MCF	1 00	330	1,581	7.39
13	HINES CC	1-4	2,204	617,355	37.6	97 90	85.3	7,000	GAS	4,321,182 MCF	1 00	4,321,182	20,688,770	3.35
14	NT CITY	1-14	1,186	1,624	0.2	92.74	7.7	12,390	GAS	20,119 MCF	1 00	20,119	96,320	5.93
15	OSPREY CC	1	505	29,540	7.9	96.44	59.7	8,145	GAS	240,592 MCF	1 00	240,592	1,151,896	3.90
16	SUWANNEE STEAM	1	67	0	0.0	0 00	0.0	0	GAS	0 MCF	0 00	0	0	0.00
17	SUWANNEE STEAM	2	66	0	0.0	0 00	0.0	0	GAS	0 MCF	0 00	0	0	0.00
18	SUWANNEE STEAM	3	67	0	0.0	0 00	0.0	0	GAS	0 MCF	0 00	0	0	0.00
19	SUWANNEE CT	1-3	200	1,254	0.8	96 88	17.9	15,684	GAS	19,660 MCF	1 00	19,660	94,126	7.51
20	TIGER BAY CC	1	225	6,608	3.9	96.13	101.3	7,491	GAS	49,502 MCF	1 00	49,502	237,004	3.59
21	UNIV OF FLA. CC	1	47	33,953	97.1	97.10	100.1	9,362	GAS	317,861 MCF	1 00	317,861	1,553,627	4.58
22	AVON PARK	1-2	69	3	0.0	91 94	0.0	25,667	LIGHT O L	13 BBLS	5 92	77	1,208	40.27
23	BARTOW	1-4	228	3	0.0	77 99	0.0	22,667	LIGHT O L	12 BBLS	5 67	68	1,132	37.73
24	BAYBORO	1-4	231	5	0.0	94.19	0.0	14,565	LIGHT O L	12 BBLS	5 58	67	1,280	27.83
25	DEBARY	1-10	785	24	0.1	84.42	0.0	17,333	LIGHT O L	72 BBLS	5.78	416	7,626	31.78
26	HIGGINS	1-4	129	0	0.0	89.19	0.0	0	LIGHT O L	0 BBLS	0 00	0	0	0.00
27	OTHER		0	0	0.0	0 00	0.0	0	LIGHT O L	0 BBLS	0 00	0	0	0.00
28	NT CITY	1-14	1,186	17	0.2	92.74	0.0	16,726	LIGHT O L	49 BBLS	5.73	281	8,747	52.07
29	RIO PINAR	1	16	0	0.0	0 00	0.0	0	LIGHT O L	0 BBLS	0 00	0	0	0.00
30	SUWANNEE	1-3	200	0	0.0	96 88	0.0	0	LIGHT O L	0 BBLS	0 00	0	355	0.00
31	TURNER	1-4	199	0	0.0	0 00	0.0	0	LIGHT O L	0 BBLS	0 00	0	0	0.00
32	OTHER & START UP		-	0	-	0 00	0.0	0	LIGHT O L	570 BBLS	5 82	3,320	126,951	0.00
33	SOLAR		92	14,414	21.1	0 00	0.0	0	SOLAR	0 N/A		0	0	0.00
34	TOTAL			2,971,841								22,524,518	97,438,492	3.28

Duke Energy Florida, LLC
Inventory Analysis
Estimated for the Period of : January 2019 through December 2019

	HEAVY OIL		Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Subtotal
1	PURCHASES:								
2	UNITS	BBL	0	0	0	0	0	0	0
3	UNIT COST	$/BBL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	AMOUNT	$	0	0	0	0	0	0	0
5	BURNED:								
6	UNITS	BBL	0	0	0	0	0	0	0
7	UNIT COST	$/BBL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	AMOUNT	$	0	0	0	0	0	0	0
9	ENDING INVENTORY:								
10	UNITS	BBL	0	0	0	0	0	0	
11	UNIT COST	$/BBL	0.00	0.00	0.00	0.00	0.00	0.00	
12	AMOUNT	$	0	0	0	0	0	0	
	LIGHT OIL								
13	PURCHASES:								
14	UNITS	BBL	737	570	387	972	1,256	783	4,705
15	UNIT COST	$/BBL	200.35	233.29	300.56	173.89	154.92	194.26	193.98
16	AMOUNT	$	147,660	132,973	116,318	169,020	194,584	152,107	912,662
17	BURNED:								
18	UNITS	BBL	737	570	387	972	1,256	783	4,705
19	UNIT COST	$/BBL	200.35	233.29	300.56	173.89	154.92	194.26	193.98
20	AMOUNT	$	147,660	132,973	116,318	169,020	194,584	152,107	912,662
21	ENDING INVENTORY:								
22	UNITS	BBL	714,259	714,259	714,259	714,259	714,259	714,259	
23	UNIT COST	$/BBL	108.87	108.87	108.87	108.87	108.87	108.87	
24	AMOUNT	$	77,760,783	77,760,783	77,760,783	77,760,783	77,760,783	77,760,783	
	COAL								
25	PURCHASES:								
26	UNITS	TON	378,258	291,179	181,616	186,911	287,498	311,868	1,637,330
27	UNIT COST	$/TON	75.60	74.56	75.27	74.63	72.53	71.58	73.96
28	AMOUNT	$	28,596,584	21,709,301	13,670,390	13,949,841	20,852,181	22,322,461	121,100,758
29	BURNED:								
30	UNITS	TON	378,258	291,179	181,616	186,911	287,498	311,868	1,637,330
31	UNIT COST	$/TON	75.60	74.56	75.27	74.63	72.53	71.58	73.96
32	AMOUNT	$	28,596,584	21,709,301	13,670,390	13,949,841	20,852,181	22,322,461	121,100,758
33	ENDING INVENTORY:								
34	UNITS	TON	914,150	914,150	914,150	914,150	914,150	914,150	
35	UNIT COST	$/TON	75.60	74.56	75.27	74.63	72.53	71.58	
36	AMOUNT	$	69,110,380	68,155,824	68,808,802	68,226,305	66,303,117	65,431,749	
	GAS								
37	BURNED:								
38	UNITS	MCF	15,542,166	14,086,771	17,835,110	18,043,691	21,410,306	23,118,450	110,036,494
39	UNIT COST	$/MCF	5.16	5.12	4.78	4.30	4.22	4.09	4.54
40	AMOUNT	$	80,151,199	72,167,112	85,287,349	77,585,141	90,351,142	94,443,831	499,985,774
	NUCLEAR								
41	BURNED:								
42	UNITS	MMBTU	0	0	0	0	0	0	0
43	UNIT COST	$/MMBTU	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	AMOUNT	$	0	0	0	0	0	0	0

Duke Energy Florida, LLC
Inventory Analysis
Estimated for the Period of : January 2019 through December 2019

	HEAVY OIL		Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total
1	PURCHASES:								
2	UNITS	BBL	0	0	0	0	0	0	0
3	UNIT COST	$/BBL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	AMOUNT	$	0	0	0	0	0	0	0
5	BURNED:								
6	UNITS	BBL	0	0	0	0	0	0	0
7	UNIT COST	$/BBL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	AMOUNT	$	0	0	0	0	0	0	0
9	ENDING INVENTORY:								
10	UNITS	BBL	0	0	0	0	0	0	
11	UNIT COST	$/BBL	0.00	0.00	0.00	0.00	0.00	0.00	
12	AMOUNT	$	0	0	0	0	0	0	
	LIGHT OIL								
13	PURCHASES:								
14	UNITS	BBL	926	570	854	1,388	926	728	10,097
15	UNIT COST	$/BBL	178.41	233.49	186.42	149.65	178.91	202.33	187.27
16	AMOUNT	$	165,205	133,092	159,200	207,712	165,674	147,299	1,890,844
17	BURNED:								
18	UNITS	BBL	926	570	854	1,388	926	728	10,097
19	UNIT COST	$/BBL	178.41	233.49	186.42	149.65	178.91	202.33	187.27
20	AMOUNT	$	165,205	133,092	159,200	207,712	165,674	147,299	1,890,844
21	ENDING INVENTORY:								
22	UNITS	BBL	714,259	714,259	714,259	714,259	714,259	714,259	
23	UNIT COST	$/BBL	108.87	108.87	108.87	108.87	108.87	108.87	
24	AMOUNT	$	77,760,783	77,760,783	77,760,783	77,760,783	77,760,783	77,760,783	
	COAL								
25	PURCHASES:								
26	UNITS	TON	327,243	336,888	318,812	296,043	318,471	265,661	3,500,448
27	UNIT COST	$/TON	70.86	70.31	70.35	70.32	69.93	70.32	72.04
28	AMOUNT	$	23,187,546	23,686,552	22,428,862	20,818,786	22,270,669	18,680,007	252,173,180
29	BURNED:								
30	UNITS	TON	327,243	336,888	318,812	296,043	318,471	265,661	3,500,448
31	UNIT COST	$/TON	70.86	70.31	70.35	70.32	69.93	70.32	72.04
32	AMOUNT	$	23,187,546	23,686,552	22,428,862	20,818,786	22,270,669	18,680,007	252,173,180
33	ENDING INVENTORY:								
34	UNITS	TON	914,150	914,150	914,150	914,150	914,150	914,150	
35	UNIT COST	$/TON	70.86	70.31	70.35	70.32	69.93	70.32	
36	AMOUNT	$	64,774,201	64,273,795	64,311,732	64,286,228	63,926,510	64,278,640	
	GAS								
37	BURNED:								
38	UNITS	MCF	24,491,507	24,258,441	22,502,785	18,873,591	14,900,955	16,412,571	231,476,344
39	UNIT COST	$/MCF	4.11	4.13	4.18	4.36	4.77	4.79	4.44
40	AMOUNT	$	100,639,991	100,242,540	94,145,786	82,278,465	71,103,364	78,611,186	1,027,007,106
	NUCLEAR								
41	BURNED:								
42	UNITS	MMBTU	0	0	0	0	0	0	0
43	UNIT COST	$/MMBTU	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	AMOUNT	$	0	0	0	0	0	0	0

Duke Energy Florida, LLC
Fuel Cost of Power Sold
Estimated for the Period of : January 2019 through December 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)
				MWH		C/KWH				REFUNDABLE
MONTH	SOLD TO	TYPE & SCHED	TOTAL MWH SOLD	WHEELED FROM OTHER SYSTEMS	MWH FROM OWN GENERATION	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJ (6) x (7)(A)	TOTAL COST $ (6) x (7)(B)	GAIN ON POWER SALES $
Jan-19	ECONSALE	--	42,806		42,806	3.866	4.941	1,654,782	2,115,073	460,291
	ECONOMY	C	0		0	0.000	0.000	0	0	0
	EXCESS GAIN	--	0		0	0.000	0.000	0	0	0
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	104,119		104,119	1.609	1.609	1,675,394	1,675,394	0
	TOTAL		146,925		146,925	2.267	2.580	3,330,176	3,790,467	460,291
Feb-19	ECONSALE	--	15,778		15,778	3.410	4.358	537,941	687,574	149,633
	ECONOMY	C	0		0	0.000	0.000	0	0	0
	EXCESS GAIN	--	0		0	0.000	0.000	0	0	0
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	73,752		73,752	1.383	1.383	1,020,082	1,020,082	0
	TOTAL		89,530		89,530	1.740	1.907	1,558,023	1,707,656	149,633
Mar-19	ECONSALE	--	2,223		2,223	2.992	3.824	66,519	85,022	18,503
	ECONOMY	C	0		0	0.000	0.000	0	0	0
	EXCESS GAIN	--	0		0	0.000	0.000	0	0	0
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	111,435		111,435	1.603	1.603	1,786,362	1,786,362	0
	TOTAL		113,658		113,658	1.630	1.647	1,852,881	1,871,384	18,503
Apr-19	ECONSALE	--	1,386		1,386	3.212	4.105	44,504	56,883	12,379
	ECONOMY	C	0		0	0.000	0.000	0	0	0
	EXCESS GAIN	--	0		0	0.000	0.000	0	0	0
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	122,952		122,952	1.500	1.500	1,843,913	1,843,913	0
	TOTAL		124,338		124,338	1.519	1.529	1,888,417	1,900,796	12,379
May-19	ECONSALE	--	9,655		9,655	3.461	4.423	334,110	427,046	92,936
	ECONOMY	C	0		0	0.000	0.000	0	0	0
	EXCESS GAIN	--	0		0	0.000	0.000	0	0	0
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	137,434		137,434	1.516	1.516	2,084,153	2,084,153	0
	TOTAL		147,089		147,089	1.644	1.707	2,418,263	2,511,199	92,936
Jun-19	ECONSALE	--	16,302		16,302	3.546	4.532	578,060	738,852	160,792
	ECONOMY	C	0		0	0.000	0.000	0	0	0
	EXCESS GAIN	--	0		0	0.000	0.000	0	0	0
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	163,431		163,431	1.632	1.632	2,667,405	2,667,405	0
	TOTAL		179,733		179,733	1.806	1.895	3,245,465	3,406,257	160,792
Jan	ECONSALE	--	88,149		88,149	3.648	4.663	3,215,916	4,110,450	894,534
THRU	ECONOMY	C	0		0	0.000	0.000	0	0	0
Jun-19	EXCESS GAIN	--	0		0	0.000	0.000	0	0	0
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	713,123		713,123	1553.352	1553.352	11,077,309	11,077,309	0
	TOTAL		801,272		801,272	1.784	1.895	14,293,225	15,187,759	894,534

Duke Energy Florida, LLC
Fuel Cost of Power Sold
Estimated for the Period of : January 2019 through December 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)
				MWH		C/KWH				REFUNDABLE
MONTH	SOLD TO	TYPE & SCHED	TOTAL MWH SOLD	WHEELED FROM OTHER SYSTEMS	MWH FROM OWN GENERATION	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJ (6) x (7)(A)	TOTAL COST $ (6) x (7)(B)	GAIN ON POWER SALES $
Jul-19	ECONSALE	--	23,333		23,333	3.398	4.344	792,944	1,013,508	220,564
	ECONOMY	C	0		0	0.000	0.000	0	0	0
	EXCESS GAIN	--	0		0	0.000	0.000	0	0	0
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	135,175		135,175	2.150	2.150	2,906,589	2,906,589	0
	TOTAL		158,508		158,508	2.334	2.473	3,699,533	3,920,097	220,564
Aug-19	ECONSALE	--	25,187		25,187	3.835	4.902	965,958	1,234,647	268,689
	ECONOMY	C	0		0	0.000	0.000	0	0	0
	EXCESS GAIN	--	0		0	0.000	0.000	0	0	(16,057)
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	129,857		129,857	2.156	2.156	2,800,270	2,800,270	0
	TOTAL		155,044		155,044	2.429	2.602	3,766,228	4,034,917	252,632
Sep-19	ECONSALE	--	13,900		13,900	3.456	4.417	480,312	613,914	133,602
	ECONOMY	C	0		0	0.000	0.000	0	0	0
	EXCESS GAIN	--	0		0	0.000	0.000	0	0	(26,720)
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	115,085		115,085	2.137	2.137	2,459,370	2,459,370	0
	TOTAL		128,985		128,985	2.279	2.383	2,939,682	3,073,284	106,882
Oct-19	ECONSALE	--	9,259		9,259	3.047	3.894	282,089	360,556	78,467
	ECONOMY	C	0		0	0.000	0.000	0	0	0
	EXCESS GAIN	--	0		0	0.000	0.000	0	0	(15,693)
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	97,928		97,928	2.146	2.146	2,101,290	2,101,290	0
	TOTAL		107,187		107,187	2.224	2.297	2,383,379	2,461,846	62,774
Nov-19	ECONSALE	--	7,814		7,814	3.415	4.365	266,863	341,094	74,231
	ECONOMY	C	0		0	0.000	0.000	0	0	0
	EXCESS GAIN	--	0		0	0.000	0.000	0	0	(14,846)
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	56,793		56,793	2.244	2.244	1,274,663	1,274,663	0
	TOTAL		64,607		64,607	2.386	2.501	1,541,526	1,615,757	59,385
Dec-19	ECONSALE	--	9,694		9,694	2.890	3.694	280,184	358,119	77,935
	ECONOMY	C	0		0	0.000	0.000	0	0	0
	EXCESS GAIN	--	0		0	0.000	0.000	0	(88,904)	(15,587)
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	79,494		79,494	2.281	2.281	1,813,621	1,813,621	0
	TOTAL		89,188		89,188	2.348	2.335	2,093,805	2,082,836	62,348
Jan-19	ECONSALE	--	177,337		177,337	3.544	4.529	6,284,266	8,032,288	1,748,022
THRU	ECONOMY	C	0		0	0.000	0.000	0	0	0
Dec-19	EXCESS GAIN	--	0		0	0.000	0.000	0	(88,904)	(88,904)
	SALE OTHER	--	0		0	0.000	0.000	0	0	0
	STRATIFIED	--	1,327,455		1,327,455	1.841	1.841	24,433,112	24,433,112	0
	TOTAL		1,504,792		1,504,792	2.041	2.152	30,717,378	32,376,496	1,659,118

Duke Energy Florida, LLC
Purchased Power
(Exclusive of Economy & QF Purchases)
Estimated for the Period of : January 2019 through December 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)
MONTH	NAME OF PURCHASE	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FOR OTHER UTILITIES	MWH FOR INTERRUPTIBLE	MWH FOR FIRM	C/KWH (A) FUEL COST	C/KWH (B) TOTAL COST	TOTAL $ FOR FUEL ADJ (7) x (8)(B)
Jan-19	OTHER	--	0			0	0.000	0.000	0
	SHADY HILLS	--	2,123			2,123	7.164	7.164	152,083
	SOCO Franklin	--	11,600			11,600	3.353	3.353	388,972
	Vandolah (NSG)	--	5,356			5,356	7.123	7.123	381,495
	TOTAL		19,079	0	0	19,079	4.835	4.835	922,550
Feb-19	OTHER	--	0			0	0.000	0.000	0
	SHADY HILLS	--	86			86	8.434	8.434	7,253
	SOCO Franklin	--	4,571			4,571	3.507	3.507	160,312
	Vandolah (NSG)	--	2,011			2,011	8.932	8.932	179,625
	TOTAL		6,668	0	0	6,668	5.207	5.207	347,190
Mar-19	OTHER	--	0			0	0.000	0.000	0
	SHADY HILLS	--	928			928	6.296	6.296	58,427
	SOCO Franklin	--	55,999			55,999	3.162	3.162	1,770,627
	Vandolah (NSG)	--	8,177			8,177	6.255	6.255	511,501
	TOTAL		65,104	0	0	65,104	3.595	3.595	2,340,555
Apr-19	OTHER	--	0			0	0.000	0.000	0
	SHADY HILLS	--	4,437			4,437	4.795	4.795	212,722
	SOCO Franklin	--	69,585			69,585	2.793	2.793	1,943,226
	Vandolah (NSG)	--	26,329			26,329	5.401	5.401	1,422,167
	TOTAL		100,351	0	0	100,351	3.566	3.566	3,578,115
May-19	OTHER	--	0			0	0.000	0.000	0
	SHADY HILLS	--	592			592	5.493	5.493	32,520
	SOCO Franklin	--	77,798			77,798	2.786	2.786	2,167,544
	Vandolah (NSG)	--	12,695			12,695	5.685	5.685	721,743
	TOTAL		91,085	0	0	91,085	3.208	3.208	2,921,807
Jun-19	OTHER	--	0			0	0.000	0.000	0
	SHADY HILLS	--	512			512	5.839	5.839	29,898
	SOCO Franklin	--	68,150			68,150	2.858	2.858	1,947,993
	Vandolah (NSG)	--	10,941			10,941	5.632	5.632	616,194
	TOTAL		79,603	0	0	79,603	3.259	3.259	2,594,085
Jan-19	OTHER	--	0			0	0.000	0.000	0
THRU	SHADY HILLS	--	8,678			8,678	5.680	5.680	492,903
Jun-19	SOCO Franklin	--	287,702			287,702	2.912	2.912	8,378,674
	Vandolah (NSG)	--	65,509			65,509	5.851	5.851	3,832,725
	TOTAL		361,889	0	0	361,889	3.511	3.511	12,704,302

Duke Energy Florida, LLC
Purchased Power
(Exclusive of Economy & QF Purchases)
Estimated for the Period of : January 2019 through December 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)
MONTH	NAME OF PURCHASE	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FOR OTHER UTILITIES	MWH FOR INTERRUPTIBLE	MWH FOR FIRM	C/KWH (A) FUEL COST	C/KWH (B) TOTAL COST	TOTAL $ FOR FUEL ADJ (7) x (8)(B)
Jul-19	OTHER	--	0			0	0.000	0.000	0
	SHADY HILLS	--	320			320	5.662	5.662	18,117
	SOCO Franklin	--	74,306			74,306	2.914	2.914	2,165,340
	Vandolah (NSG)	--	12,540			12,540	5.600	5.600	702,281
	TOTAL		87,165	0	0	87,165	3.311	3.311	2,885,738
Aug-19	OTHER	--	0			0	0.000	0.000	0
	SHADY HILLS	--	622			622	5.866	5.866	36,510
	SOCO Franklin	--	76,613			76,613	2.925	2.925	2,241,069
	Vandolah (NSG)	--	12,682			12,682	5.612	5.612	711,694
	TOTAL		89,917	0	0	89,917	3.324	3.324	2,989,273
Sep-19	OTHER	--	0			0	0.000	0.000	0
	SHADY HILLS	--	1,776			1,776	4.945	4.945	87,797
	SOCO Franklin	--	66,657			66,657	2.882	2.882	1,921,031
	Vandolah (NSG)	--	12,338			12,338	5.570	5.570	687,263
	TOTAL		80,770	0	0	80,770	3.338	3.338	2,696,091
Oct-19	OTHER	--	0			0	0.000	0.000	0
	SHADY HILLS	--	1,575			1,575	5.635	5.635	88,748
	SOCO Franklin	--	47,630			47,630	2.989	2.989	1,423,659
	Vandolah (NSG)	--	12,065			12,065	5.771	5.771	696,284
	TOTAL		61,270	0	0	61,270	3.605	3.605	2,208,691
Nov-19	OTHER	--	0			0	0.000	0.000	0
	SHADY HILLS	--	0			0	0.000	0.000	834
	SOCO Franklin	--	5,532			5,532	3.055	3.055	168,963
	Vandolah (NSG)	--	2,742			2,742	7.415	7.415	203,357
	TOTAL		8,274	0	0	8,274	4.510	4.510	373,154
Dec-19	OTHER	--	0			0	0.000	0.000	0
	SHADY HILLS	--	0			0	0.000	0.000	834
	SOCO Franklin	--	6,582			6,582	3.168	3.168	208,524
	Vandolah (NSG)	--	300			300	20.197	20.197	60,571
	TOTAL		6,882	0	0	6,882	3.922	3.922	269,929
Jan-19	OTHER	--	0			0	0.000	0.000	0
THRU	SHADY HILLS	--	12,971			12,971	5.595	5.595	725,743
Dec-19	SOCO Franklin	--	565,021			565,021	2.922	2.922	16,507,260
	Vandolah (NSG)	--	118,176			118,176	5.834	5.834	6,894,175
TOTAL			696,167	0	0	696,167	3.466	3.466	24,127,178

Duke Energy Florida, LLC
Energy Payments to Qualifying Facilities
Estimated for the Period of : January 2019 through December 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)
MONTH	NAME OF PURCHASE	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FOR OTHER UTILITIES	MWH FOR INTERRUPTIBLE	MWH FOR FIRM	C/KWH (A) ENERGY COST	C/KWH (B) TOTAL COST	TOTAL $ FOR FUEL ADJ (7) x (8)(A)
Jan-19	QUAL. FACILITIES	COGEN	275,876			275,876	4.211	13.838	11,618,340
Feb-19	QUAL. FACILITIES	COGEN	247,051			247,051	4.158	14.908	10,273,495
Mar-19	QUAL. FACILITIES	COGEN	237,094			237,094	4.410	15.612	10,456,333
Apr-19	QUAL. FACILITIES	COGEN	242,172			242,172	4.230	15.196	10,243,817
May-19	QUAL. FACILITIES	COGEN	271,457			271,457	4.275	14.059	11,605,827
Jun-19	QUAL. FACILITIES	COGEN	264,061			264,061	4.241	14.298	11,197,834
Jul-19	QUAL. FACILITIES	COGEN	266,629			266,629	4.270	14.231	11,386,296
Aug-19	QUAL. FACILITIES	COGEN	268,357			268,357	4.258	14.155	11,427,590
Sep-19	QUAL. FACILITIES	COGEN	254,609			254,609	4.247	14.677	10,812,285
Oct-19	QUAL. FACILITIES	COGEN	217,948			217,948	4.215	16.401	9,187,418
Nov-19	QUAL. FACILITIES	COGEN	239,612			239,612	4.186	15.270	10,030,064
Dec-19	QUAL. FACILITIES	COGEN	295,316			295,316	4.032	13.025	11,907,522
TOTAL	QUAL. FACILITIES	COGEN	3,080,184			3,080,184	4.225	14.572	130,146,818

Duke Energy Florida, LLC
Economy Energy Purchases
Estimated for the Period of : January 2019 through December 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)
				TRANSACTION COST		TOTAL $	COST IF GENERATED		
MONTH	PURCHASE	TYPE & SCHED	TOTAL MWH PURCHASED	ENERGY COST C/KWH	TOTAL COST C/KWH	FOR FUEL ADJ (4) x (5)	(A) C/KWH	(B) $	FUEL SAVINGS (8)(B) - (7)
Jan-19	ECONPURCH	--	3,007	4.019	4.019	120,872	4.509	135,589	14,717
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		3,007	4.019	4.019	120,872	4.509	135,589	14,717
Feb-19	ECONPURCH	--	1,385	4.175	4.175	57,823	4.684	64,864	7,041
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		1,385	4.175	4.175	57,823	4.684	64,864	7,041
Mar-19	ECONPURCH	--	5,836	3.872	3.872	225,982	4.344	253,493	27,511
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		5,836	3.872	3.872	225,982	4.344	253,493	27,511
Apr-19	ECONPURCH	--	5,866	3.953	3.953	231,920	4.435	260,157	28,237
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		5,866	3.953	3.953	231,920	4.435	260,157	28,237
May-19	ECONPURCH	--	4,694	4.325	4.325	203,001	4.852	227,717	24,716
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		4,694	4.325	4.325	203,001	4.852	227,717	24,716
Jun-19	ECONPURCH	--	3,907	4.535	4.535	177,197	5.088	198,771	21,574
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		3,907	4.535	4.535	177,197	5.088	198,771	21,574
Jan-19 THRU Jun-19	ECONPURCH	--	24,695	4.117	4.117	1,016,795	4.62	1,140,591	123,796
	SEPA	--	0	0.000	0.000	0	-	0	-
	TOTAL		24,695	4.117	4.117	1,016,795	4.619	1,140,591	123,796

Duke Energy Florida, LLC
Economy Energy Purchases
Estimated for the Period of : January 2019 through December 2019

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)
				TRANSACTION COST		TOTAL $	COST IF GENERATED		
MONTH	PURCHASE	TYPE & SCHED	TOTAL MWH PURCHASED	ENERGY COST C/KWH	TOTAL COST C/KWH	FOR FUEL ADJ (4) x (5)	(A) C/KWH	(B) $	FUEL SAVINGS (8)(B) - (7)
Jul-19	ECONPURCH	--	3,986	4.502	4.502	179,437	5.050	201,280	21,843
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		3,986	4.502	4.502	179,437	5.050	201,280	21,843
Aug-19	ECONPURCH	--	3,441	4.623	4.623	159,094	5.186	178,465	19,371
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		3,441	4.623	4.623	159,094	5.186	178,465	19,371
Sep-19	ECONPURCH	--	4,130	4.611	4.611	190,430	5.173	213,621	23,191
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		4,130	4.611	4.611	190,430	5.173	213,621	23,191
Oct-19	ECONPURCH	--	7,662	4.080	4.080	312,579	4.577	350,638	38,059
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		7,662	4.080	4.080	312,579	4.577	350,638	38,059
Nov-19	ECONPURCH	--	10,178	3.661	3.661	372,580	4.106	417,945	45,365
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		10,178	3.661	3.661	372,580	4.106	417,945	45,365
Dec-19	ECONPURCH	--	3,734	3.639	3.639	135,858	4.082	152,400	16,542
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		3,734	3.639	3.639	135,858	4.082	152,400	16,542
Jan-19 THRU Dec-19	ECONPURCH	--	57,825	4.093	4.093	2,366,773	4.591	2,654,940	288,167
	SEPA	--	0	0.000	0.000	0	0.000	0	-
	TOTAL		57,825	4.093	4.093	2,366,773	4.591	2,654,940	288,167

Duke Energy Florida, LLC
Fuel and Purchased Power Cost Recovery Clause
Residential Bill Comparison
Estimated for the Period of : January 2019

	Nov - 2018 [1] ($/1000 kWh)	Requested Jan-2019 [2] ($/1000 kWh)	Difference $	Difference %
Base Rate	$64.55	$69.11	$4.56	7.06%
Fuel Cost Recovery	38.38	36.98	(1.40)	-3.64%
Capacity Cost Recovery (CCR)	12.81	11.21	(1.60)	-12.49%
Energy Conservation Cost Recovery (ECCR)	3.28	2.97	(0.31)	-9.45%
Environmental Cost Recovery (ECRC)	1.57	1.43	(0.14)	-8.92%
Nuclear CR3 Uprate	1.52	1.27	(0.25)	-16.45%
Asset Securitization Charge (ASC)	2.59	2.59	-	0.00%
Subtotal	124.70	125.56	0.86	0.00%
Gross Receipts Tax	3.20	3.22	0.02	0.63%
Total	$127.90	$128.78	$0.88	0.69%

[1] November 2018 Base Rate includes the Citrus 1 GBRA adjustment approved in Order PSC-2018-0367-TRF-EI.

[2] January 2019 Base Rate includes adjustments for Citrus 2 GBRA as approved in Order PSC-2018-0367-TRF-EI, Hamilton Project Solar Base Rate Adjustment and 2019 Multi-Year base rate increase as filed on August 24, 2018 in the Supplemental Direct Testimony of DEF Witness Marcia Olivier in Docket No. 20180149-EI.

Duke Energy Florida, LLC
Calculation of Inverted Residential Fuel Factors

	Annual Units mWh	Levelized Fuel Rate Cents/kWh		Annual Fuel Revenues	Inverted Fuel Rates Cents/kWh		Annual Fuel Revenues
Residential Excluding TOU:							
0 - 1,000 kWh	14,901,322	3.974	$	592,178,522	3.698	$	550,992,278
Over 1,000 kWh	5,691,799	3.974		226,192,102	4.698		267,378,347
Total	20,593,121		$	818,370,625		$	818,370,625
Rate Differential by Tier - Cents per kWh					1.000		

Residential Sales:	
Total	20,593,148
Time of Use	27
Levelized	20,593,121

Duke Energy Florida, LLC
Generating System Comparative Data by Fuel Type

		2016 Actual	2017 Actual	2018 Actual/Estimated	2019 Projection	2017 vs. 2016	2018 vs. 2017	2019 vs. 2018
FUEL COST OF SYSTEM NET GENERATION ($)								
HEAVY OIL		0	0	0	0	0.0%	0.0%	0.0%
LIGHT OIL		18,516,067	13,616,153	15,958,462	1,890,844	-26.5%	17.2%	-88.2%
COAL		339,340,725	313,055,107	320,893,530	252,173,180	-7.7%	2.5%	-21.4%
GAS		834,543,700	928,886,194	985,194,322	1,027,007,106	11.3%	6.1%	4.2%
NUCLEAR		0	0	0	0	0.0%	0.0%	0.0%
OTHER		0	0	0	0	0.0%	0.0%	0.0%
TOTAL	$	1,192,400,492	1,255,557,454	1,322,046,314	1,281,071,130	5.3%	5.3%	-3.1%
SYSTEM NET GENERATION (mWh)								
HEAVY OIL		0	0	0	0	0.0%	0.0%	0.0%
LIGHT OIL		76,916	62,216	60,432	299	-19.1%	-2.9%	-99.5%
COAL		8,851,647	8,722,203	9,475,431	7,811,492	-1.5%	8.6%	-17.6%
GAS		24,822,412	27,307,533	28,068,214	31,753,209	10.0%	2.8%	13.1%
NUCLEAR		0	0	0	0	0.0%	0.0%	0.0%
SOLAR		5,305	15,705	36,309	235,289	196.0%	131.2%	548.0%
OTHER		0	0	0	0	0.0%	0.0%	0.0%
TOTAL	mWh	33,756,279	36,107,657	37,640,386	39,800,289	7.0%	4.2%	5.7%
UNITS OF FUEL BURNED								
HEAVY OIL	BBL	0	0	0	0	0.0%	0.0%	0.0%
LIGHT OIL	BBL	172,049	136,260	135,384	10,097	-20.8%	-0.6%	-92.5%
COAL	TON	4,181,357	4,023,166	4,239,712	3,500,448	-3.8%	5.4%	-17.4%
GAS	MCF	199,365,868	213,729,336	214,463,963	231,476,344	7.2%	0.3%	7.9%
NUCLEAR	MMBTU	0	0	0	0	0.0%	0.0%	0.0%
OTHER		0	0	0	0	0.0%	0.0%	0.0%
BTUS BURNED (MMBTU)								
HEAVY OIL		0	0	0	0	0.0%	0.0%	0.0%
LIGHT OIL		992,122	828,727	783,757	58,825	-16.5%	-5.4%	-92.5%
COAL		93,670,913	90,926,387	98,222,765	80,933,758	-2.9%	8.0%	-17.6%
GAS		203,963,866	218,296,120	216,580,571	231,476,344	7.0%	-0.8%	6.9%
NUCLEAR		0	0	0	0	0.0%	0.0%	0.0%
OTHER		0	0	0	0	0.0%	0.0%	0.0%
TOTAL	MMBTU	298,626,901	310,051,234	315,587,093	312,468,927	3.8%	1.8%	-1.0%
GENERATION MIX (% mWh)								
HEAVY OIL		0.00%	0.00%	0.00%	0.00%	0.0%	0.0%	0.0%
LIGHT OIL		0.23%	0.17%	0.16%	0.00%	-43.9%	0.0%	-124.2%
COAL		26.22%	24.16%	25.17%	19.63%	-8.0%	4.1%	-21.8%
GAS		73.53%	75.63%	74.57%	79.78%	2.9%	-1.5%	7.0%
NUCLEAR		0.00%	0.00%	0.00%	0.00%	0.0%	0.0%	0.0%
SOLAR		0.02%	0.04%	0.10%	0.59%	0.0%	232.6%	520.8%
OTHER		0.00%	0.00%	0.00%	0.00%	0.0%	0.0%	0.0%
TOTAL	%	100.00%	100.00%	100.00%	100.00%	0.0%	0.0%	0.0%
FUEL COST PER UNIT								
HEAVY OIL	$/BBL	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
LIGHT OIL	$/BBL	107.62	99.93	117.88	187.27	-7.1%	18.0%	58.9%
COAL	$/TON	81.16	77.81	75.69	72.04	-4.1%	-2.7%	-4.8%
GAS	$/MCF	4.19	4.35	4.59	4.44	3.8%	5.7%	-3.4%
NUCLEAR	$/MMBTU	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
OTHER		0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
FUEL COST PER MMBTU ($/MMBTU)								
HEAVY OIL		0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
LIGHT OIL		18.66	16.43	20.36	32.14	-12.0%	23.9%	57.9%
COAL		3.62	3.44	3.27	3.12	-5.0%	-5.1%	-4.6%
GAS		4.09	4.26	4.55	4.44	4.0%	6.9%	-2.5%
NUCLEAR		0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
OTHER		0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
TOTAL	$/MMBTU	3.99	4.05	4.19	4.10	1.4%	3.4%	-2.1%
BTU BURNED PER kWh (BTU/kWh)								
HEAVY OIL		0	0	0	0	0.0%	0.0%	0.0%
LIGHT OIL		12,899	13,320	12,969	196,937	3.3%	-2.6%	1418.5%
COAL		10,582	10,425	10,366	10,361	-1.5%	-0.6%	-0.1%
GAS		8,217	7,994	7,716	7,290	-2.7%	-3.5%	-5.5%
NUCLEAR		0	0	0	0	0.0%	0.0%	0.0%
OTHER		0	0	0	0	0.0%	0.0%	0.0%
TOTAL	BTU/kWh	8,847	8,587	8,384	7,851	-2.9%	-2.4%	-6.4%
GENERATED FUEL COST PER kWh (C/kWh)								
HEAVY OIL		0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
LIGHT OIL		24.07	21.89	26.41	633.02	-9.1%	20.7%	2297.2%
COAL		3.83	3.59	3.39	3.23	-6.4%	-5.7%	-4.7%
GAS		3.36	3.40	3.51	3.23	1.2%	3.2%	-7.9%
NUCLEAR		0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
OTHER		0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
TOTAL	C/kWh	3.53	3.48	3.51	3.22	-1.6%	1.0%	-8.4%

Duke Energy Florida, LLC
Capital Structure and Cost Rates Applied to Capital Projects
Estimated for the Period of : January 2019 through December 2019

		Adjusted Retail $000's	Ratio	Cost Rate	Weighted Cost	PreTax Weighted Cost Rate
Common Equity	$	4,374,787	40.92%	10.50%	4.30%	5.75%
Long Term Debt		4,497,052	42.06%	4.90%	2.06%	2.06%
Short Term Debt		(193,058)	-1.81%	0.88%	-0.02%	-0.02%
Customer Deposits - Active		179,649	1.68%	2.35%	0.04%	0.04%
Customer Deposits - Inactive		1,597	0.01%	0.00%	0.00%	0.00%
Deferred Tax		1,826,909	17.09%	0.00%	0.00%	0.00%
Deferred Tax (FAS 109)		-	0.00%	0.00%	0.00%	0.00%
ITC		5,239	0.05%	7.85%	0.00%	0.00%
	$	10,692,175	100.00%		6.38%	7.84%
				Total Debt	2.09%	2.09%
				Total Equity	4.30%	5.75%

Above is the May 2018 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.

Docket No. 20180001-EI
Exhibit No. ____(CAM-3)
Part 3

DUKE ENERGY FLORIDA, LLC

Fuel and Capacity Cost Recovery Factor

January through December 2019

PART 3 – 2019 CAPACITY COST RECOVERY SCHEDULES

Schedule E12-A – Calculation of Projected Capacity Costs

Schedule E12-B – Calculation of Actual/Estimated True-up

Schedule E12-D – Calculation of Energy and Demand Percent by Rate Class

Schedule E12-E – Calculation of Capacity Cost Recovery Factors by Rate Class

Duke Energy Florida, LLC
Calculation Projected Capacity Costs
For the Year 2019

Docket No. 20180001-EI
Exhibit__CAM-3, Part 3
Schedule E12-A
Page 1 of 2

		EST Jan-19	EST Feb-19	EST Mar-19	EST Apr-19	EST May-19	EST Jun-19	EST Jul-19	EST Aug-19	EST Sep-19	EST Oct-19	EST Nov-19	EST Dec-19	TOTAL
1	**Base Production Level Capacity Costs**													
2	Orange Cogen (ORANGECO)	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	5,600,934	67,211,202
3	Orlando Cogen Limited (ORLACOGL)	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	5,636,162	67,633,941
4	Pasco County Resource Recovery (PASCOUNT)	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	2,019,170	24,230,040
5	Pinellas County Resource Recovery (PINCOUNT)	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	4,806,503	57,678,030
6	Polk Power Partners, L.P. (MULBERRY/ROYSTER)	7,693,915	7,693,915	7,693,915	7,693,915	7,693,915	7,693,915	7,693,915	7,693,915	7,693,915	7,693,915	7,693,915	7,693,915	92,326,984
7	Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	800,946	800,946	800,946	800,946	800,946	800,946	800,946	800,946	800,946	800,946	800,946	800,946	9,611,349
8	US EcoGen	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Subtotal - Base Level Capacity Costs	26,557,629	26,557,629	26,557,629	26,557,629	26,557,629	26,557,629	26,557,629	26,557,629	26,557,629	26,557,629	26,557,629	26,557,629	318,691,546
10	Base Production Jurisdictional Responsibility	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	
11	Base Level Jurisdictional Capacity Costs	24,668,054	24,668,053	24,668,053	24,668,053	24,668,053	24,668,054	24,668,054	24,668,054	24,668,054	24,668,054	24,668,054	24,668,054	296,016,640
12	**Intermediate Production Level Capacity Costs**													
13	Southern Franklin	4,827,230	4,827,230	2,888,986	2,888,986	3,165,878	5,441,774	6,566,702	6,566,702	4,879,310	2,910,686	2,910,686	3,754,382	51,628,548
14	Schedule H Capacity Sales - NSB	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Subtotal - Intermediate Level Capacity Costs	4,827,230	4,827,230	2,888,986	2,888,986	3,165,878	5,441,774	6,566,702	6,566,702	4,879,310	2,910,686	2,910,686	3,754,382	51,628,548
16	Intermediate Production Jurisdict. Responsibility	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	
17	Intermediate Level Jurisdict. Capacity Costs	3,509,541	3,509,541	2,100,379	2,100,379	2,301,689	3,956,333	4,774,189	4,774,189	3,547,405	2,116,156	2,116,156	2,729,548	37,535,504
18	**Peaking Production Level Capacity Costs**													
19	Shady Hills	1,983,330	1,983,330	1,416,664	1,374,376	1,924,126	3,911,684	3,911,684	3,911,684	1,825,453	1,374,376	1,374,376	1,983,330	26,974,412
20	Vandolah (NSG)	2,772,661	2,788,227	1,998,461	1,976,224	2,694,834	5,556,300	5,539,623	5,495,150	2,629,977	1,937,310	1,981,783	2,788,227	38,158,778
21	Other	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Subtotal - Peaking Level Capacity Costs	4,755,991	4,771,557	3,415,125	3,350,600	4,618,959	9,467,985	9,451,307	9,406,834	4,455,430	3,311,686	3,356,159	4,771,557	65,133,189
23	Peaking Production Jurisdictional Responsibility	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	
24	Peaking Level Jurisdictional Capacity Costs	4,562,137	4,577,068	3,275,924	3,214,029	4,430,691	9,082,070	9,066,072	9,023,412	4,273,827	3,176,702	3,219,362	4,577,068	62,478,361
25	**Other Capacity Costs**													
26	Retail Wheeling	(73,776)	(27,192)	(3,832)	(2,388)	(16,640)	(28,097)	(40,215)	(43,409)	(23,956)	(15,958)	(13,467)	(16,708)	(305,637)
27	Total Other Capacity Costs	(73,776)	(27,192)	(3,832)	(2,388)	(16,640)	(28,097)	(40,215)	(43,409)	(23,956)	(15,958)	(13,467)	(16,708)	(305,637)
28	**Total Capacity Costs (line 11+17+24+27)**	32,665,956	32,727,470	30,040,525	29,980,074	31,383,793	37,678,359	38,468,100	38,422,245	32,465,329	29,944,953	29,990,104	31,957,962	395,724,869
29	Actual/Estimated True-Up Provision - Jan - Dec 2018													(16,610,473)
30	**Total Capacity Costs w/ True-Up**													379,114,396
31	Revenue Tax Multiplier													1.00072
32	**Total Recoverable Capacity Costs**													379,387,358
33	**Nuclear Cost Recovery Clause**													43,827,298
34	Revenue Tax Multiplier													1.00072
35	**Total Recoverable Nuclear Costs**													43,858,854
36	**ISFSI Revenue Requirement** [1]													6,885,178
37	Revenue Tax Multiplier													1.00072
38	**Total Recoverable ISFSI Costs**													6,890,135
39	**Total Recov Capacity & Nuclear Costs (line 32+35+38)**													430,136,347

[1] Approved in Commission Order No. PSC-2016-0425-PAA-EI

Contract Data:

	Name	Start Date	Expiration Date	Type	Purchase/Sale	MW
1	Orlando Cogen Limited (ORLACOGL)	Sep-93	Dec-23	QF	Purch	115.00
2	Orange Cogen (ORANGECO)	Jul-95	Dec-25	QF	Purch	104.00
3	Pasco County Resource Recovery (PASCOUNT)	Jan-95	Dec-24	QF	Purch	23.00
4	Pinellas County Resource Recovery (PINCOUNT)	Jan-95	Dec-24	QF	Purch	54.75
5	Polk Power Partners, L. P. (MULBERY/ROYSTER)	Aug-94	Aug-24	QF	Purch	115.00
6	Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	Aug-94	Dec-23	QF	Purch	39.60
7	Southern - Franklin	Jun-16	May-21	Other	Purch	424.00
8	Schedule H Capacity - New Smyrna Beach	Nov-85	see note (1)	Other	Sale	1.00
9	Vandolah (NSG)	Jun-12	May-27	Other	Purch	655.00
10	Shady Hills Tolling Agreement	Apr-07	Apr-24	Other	Purch	515.00
11	US EcoGen	Dec-19	May-43	QF	Purch	60.00

(1) The New Smyrna Beach (NSB) Schedule H contract is in effect until cancelled by either Duke Energy Florida or NSB upon 1 year's written notice.

Duke Energy Florida, LLC
Calculation of Actual/Estimated True-up
For the Year 2018

Docket No. 20180001-EI
Exhibit__CAM-3, Part 3
Schedule E12-B

		ACT Jan-18	ACT Feb-18	ACT Mar-18	ACT Apr-18	ACT May-18	ACT Jun-18	EST Jul-18	EST Aug-18	EST Sep-18	EST Oct-18	EST Nov-18	EST Dec-18	TOTAL
1	**Base Production Level Capacity Costs**													
2	Orange Cogen (ORANGECO)	5,071,564	5,590,987	5,331,276	5,331,276	5,331,276	5,331,276	5,331,275	5,331,275	5,331,275	5,331,275	5,331,275	5,331,275	63,975,305
3	Orlando Cogen Limited (ORLACOGL)	5,025,789	5,514,457	5,302,972	5,361,969	5,361,790	5,361,790	5,361,790	5,361,790	5,361,790	5,361,790	5,361,790	5,361,790	64,099,507
4	Pasco County Resource Recovery (PASCOUNT)	1,784,800	2,011,580	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	1,898,190	22,778,280
5	Pinellas County Resource Recovery (PINCOUNT)	4,248,600	4,788,435	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	4,518,518	54,222,210
6	Polk Power Partners, L.P. (MULBERRY/ROYSTER)	6,965,675	7,676,459	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	7,321,066	87,852,794
7	Wheelabrator Ridge Energy, Inc. (RIDGEGEN)	765,872	790,760	798,927	800,946	800,946	800,946	800,946	800,946	800,946	800,946	800,946	800,946	9,564,071
8	US EcoGen	(93,000)	(93,000)	(84,000)	(93,000)	(90,000)	(93,000)	-	-	-	-	-	-	(546,000)
9	Subtotal - Base Level Capacity Costs	23,769,300	26,279,678	25,086,949	25,138,964	25,141,785	25,138,785	25,231,784	25,231,784	25,231,784	25,231,784	25,231,784	25,231,784	301,946,167
10	Base Production Jurisdictional Responsibility	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	92.885%	
11	Base Level Jurisdictional Capacity Costs	22,078,114	24,409,879	23,302,013	23,350,326	23,352,947	23,350,161	23,436,543	23,436,543	23,436,543	23,436,543	23,436,543	23,436,543	280,462,697
12	**Intermediate Production Level Capacity Costs**													
13	Southern Franklin	4,609,957	4,467,756	2,685,103	2,663,030	2,934,373	4,811,161	6,293,135	6,293,135	4,631,783	2,693,539	2,693,539	3,524,215	48,300,723
14	Schedule H Capacity Sales - NSB & RCID	(208,753)	(31,799)	379,669	270	(27,441)	-	-	-	-	-	-	-	111,946
15	Subtotal - Intermediate Level Capacity Costs	4,401,204	4,435,957	3,064,772	2,663,300	2,906,932	4,811,161	6,293,135	6,293,135	4,631,783	2,693,539	2,693,539	3,524,215	48,412,669
16	Intermediate Production Jurisdictioinal Responsibility	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	72.703%	
17	Intermediate Level Jurisdictional Capacity Costs	3,199,808	3,225,074	2,228,181	1,936,299	2,113,427	3,497,858	4,575,298	4,575,298	3,367,445	1,958,283	1,958,283	2,562,210	35,197,463
18	**Peaking Production Level Capacity Costs**													
19	Shady Hills	1,984,500	1,984,500	1,417,500	1,371,600	1,920,240	3,904,200	3,911,684	3,911,684	1,825,453	1,374,376	1,374,376	1,983,330	26,963,442
20	Vandolah (NSG)	2,926,756	2,888,311	1,965,274	1,943,845	2,795,467	5,725,022	5,539,623	5,495,150	2,629,977	1,937,310	1,981,783	2,788,227	38,616,745
21	Other	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Subtotal - Peaking Level Capacity Costs	4,911,256	4,872,811	3,382,774	3,315,445	4,715,707	9,629,222	9,451,307	9,406,834	4,455,430	3,311,686	3,356,159	4,771,557	65,580,188
23	Peaking Production Jurisdictional Responsibility	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	95.924%	
24	Peaking Level Jurisdictional Capacity Costs	4,711,073	4,674,196	3,244,893	3,180,307	4,523,495	9,236,735	9,066,072	9,023,412	4,273,827	3,176,702	3,219,362	4,577,068	62,907,139
25	**Other Capacity Costs**													
26	Retail Wheeling													
27	RRSSA Second Amendment [1]													
28	Total Other Capacity Costs													
29	**Total Capacity Costs (Line 11+17+24+28)**	31,537,913	33,933,287	30,392,188	30,081,704	31,569,791	37,695,859	38,691,081	38,651,525	32,683,005	30,171,375	30,222,229	32,184,839	397,814,797
30	**Nuclear Cost Recovery Clause**													
31	CR3 Uprate Costs	4,290,186	4,261,861	4,233,534	4,205,208	4,176,884	4,148,557	4,120,232	4,091,907	4,063,580	4,035,255	4,006,929	3,978,603	49,612,736
32	**Total Recoverable Nuclear Costs**	4,290,186	4,261,861	4,233,534	4,205,208	4,176,884	4,148,557	4,120,232	4,091,907	4,063,580	4,035,255	4,006,929	3,978,603	49,612,736
33	**ISFSI Revenue Requirement** [2]	677,047	628,287	579,175	555,717	573,770	573,765	573,765	573,765	573,765	573,765	573,765	573,765	7,030,351
34	**Total Recov Capacity & Nuclear Costs (Line 29+32+33)**	36,505,147	38,823,435	35,204,897	34,842,630	36,320,446	42,418,181	43,385,077	43,317,197	37,320,350	34,780,394	34,802,924	36,737,207	454,457,884
35	**Capacity Revenues**													
36	Capacity Cost Recovery Revenues (net of tax)	35,082,201	37,272,890	35,441,587	33,706,211	34,969,792	41,859,835	46,576,445	48,650,437	47,554,221	43,166,059	36,691,945	34,902,418	475,874,041
37	Prior Period True-Up Provision Over/(Under) Recovery	(426,778)	(426,778)	(426,778)	(426,778)	(426,778)	(426,778)	(426,778)	(426,778)	(426,778)	(426,778)	(426,778)	(426,778)	(5,121,339)
38	**Current Period Revenues (net of tax)**	34,655,423	36,846,111	35,014,809	33,279,433	34,543,014	41,433,057	46,149,667	48,223,659	47,127,442	42,739,281	36,265,167	34,475,639	470,752,702
39	**True-Up Provision**													
40	True-Up Provision - Over/(Under) Recov (Line 38-34)	(1,849,724)	(1,977,324)	(190,089)	(1,563,197)	(1,777,432)	(985,123)	2,764,590	4,906,462	9,807,092	7,958,887	1,462,243	(2,261,567)	16,294,818
41	Interest Provision for the Month	(6,952)	(8,935)	(11,087)	(12,566)	(14,513)	(16,532)	(5,949)	(1,687)	6,498	13,212	14,734	13,278	(30,499)
42	Current Cycle Balance - Over/(Under)	(1,856,676)	(3,842,934)	(4,044,110)	(5,619,874)	(7,411,819)	(8,413,473)	(5,654,833)	(750,058)	9,063,532	17,035,631	18,512,608	16,264,319	16,264,319
43	Prior Period Balance - Over/(Under) Recovered	(4,775,185)	(4,775,185)	(4,775,185)	(4,775,185)	(4,775,185)	(4,775,185)	(4,775,185)	(4,775,185)	(4,775,185)	(4,775,185)	(4,775,185)	(4,775,185)	(4,775,185)
44	Prior Period Cumulative True-Up Collected/(Refunded)	426,778	853,557	1,280,335	1,707,113	2,133,891	2,560,670	2,987,448	3,414,226	3,841,004	4,267,783	4,694,561	5,121,339	5,121,339
45	Prior Period True-up Balance - Over/(Under)	(4,348,407)	(3,921,628)	(3,494,850)	(3,068,072)	(2,641,294)	(2,214,515)	(1,787,737)	(1,360,959)	(934,181)	(507,402)	(80,624)	346,154	346,154
46	**Net Capacity True-up Over/(Under) (Line 42+45)**	($6,205,082)	($7,764,563)	($7,538,961)	($8,687,945)	($10,053,112)	($10,627,989)	($7,442,570)	($2,111,017)	$8,129,352	$16,528,229	$18,431,984	$16,610,473	$16,610,473

[1] Approved in Commission Order No. PSC-2016-0138-FOF-EI
[2] Approved in Commission Order No. PSC-2016-0425-PAA-EI

Duke Energy Florida, LLC
Calculation of Energy and Demand Percent by Rate Class
Using 12 CP & 1/13th AD Allocation Method for Production Demand
For the Year 2019

Docket No. 20180001-EI
Exhibit__CAM-3, Part 3
Schedule E12-D
Page 1 of 1

Rate Class	(1) Average 12CP Load Factor at Meter (%)	(2) Sales at Meter (MWh)	(3) Avg 12 CP at Meter (MW)	(4) Delivery Efficiency Factor	(5) Sales at Source (Generation) (MWh)	(6) Avg 12 CP at Source (MW)	(7) Annual Average Demand (MWh)	(8) Annual Average Demand Allocator (%)	(9) 12CP Allocator (%)	(10) 12CP 1/13 AD Demand Allocator (%)	(11) Base Energy & Demand Revenues ($000s)	(12) ISFSI Uniform Percent Allocation ($000s)
Residential												**0.34%**
RS-1, RST-1, RSL-1, RSL-2, RSS-1												
Secondary	0.548	20,593,148	4,291.48	0.9413447	21,876,309	4,558.88	2,497.30	52.591%	60.276%	59.685%	1,291,918	4,403
General Service Non-Demand												
GS-1, GST-1												
Secondary	0.576	2,001,248	396.85	0.9413447	2,125,946	421.58	242.69	5.111%	5.574%	5.538%		
Primary	0.576	15,976	3.17	0.9719653	16,437	3.26	1.88	0.040%	0.043%	0.043%		
Transmission	0.576	2,484	0.49	0.9819653	2,530	0.50	0.29	0.006%	0.007%	0.007%		
								5.156%	5.624%	5.588%	126,410	431
General Service												
GS-2 Secondary	1.000	177,263	20.24	0.9413447	188,308	21.50	21.50	0.453%	0.284%	0.297%	4,254	14
General Service Demand												
GSD-1, GSDT-1												
Secondary	0.742	11,774,036	1,810.48	0.9413447	12,507,677	1,923.29	1,427.82	30.069%	25.429%	25.786%		
Transm Del/ Primary Mtr	0.742	0	0.00	0.9719653	0	0.00	0.00	0.000%	0.000%	0.000%		
Sec Del/Primary Mtr	0.742	29,381	4.52	0.9719653	30,228	4.65	3.45	0.073%	0.061%	0.062%		
Primary	0.742	2,187,476	336.37	0.9719653	2,250,570	346.07	256.91	5.410%	4.576%	4.640%		
SS-1 Primary	0.796	44,079	6.32	0.9719653	45,350	6.51	5.18	0.109%	0.086%	0.088%		
Transm Del/ Primary Mtr	0.796	1,872	0.27	0.9719653	1,926	0.28	0.22	0.005%	0.004%	0.004%		
Transmission	0.796	8,533	1.22	0.9819653	8,690	1.25	0.99	0.021%	0.016%	0.017%		
								35.686%	30.172%	30.596%	536,098	1,827
Curtailable												
CS-1, CST-1, CS-2, CST-2, SS-3												
Primary	1.082	71,221	7.51	0.9719653	73,275	7.73	8.36	0.176%	0.102%	0.108%		
SS-3 Primary	1.248	66,505	6.08	0.9719653	68,423	6.26	7.81	0.164%	0.083%	0.089%		
								0.341%	0.185%	0.197%	5,434	19
Interruptible												
IS-1, IST-1, IS-2, IST-2												
Secondary	0.911	89,356	11.19	0.9413447	94,924	11.89	10.84	0.228%	0.157%	0.163%		
Sec Del/Primary Mtr	0.911	4,978	0.62	0.9719653	5,122	0.64	0.58	0.012%	0.008%	0.009%		
Primary Del / Primary Mtr	0.911	1,113,149	139.45	0.9719653	1,145,256	143.47	130.74	2.753%	1.897%	1.963%		
Primary Del / Transm Mtr	0.911	249	0.03	0.9819653	254	0.03	0.03	0.001%	0.000%	0.000%		
Transm Del/ Primary Mtr	0.911	223,444	27.99	0.9719653	229,889	28.80	26.24	0.553%	0.381%	0.394%		
Transm Del/ Transm Mtr	0.911	346,705	43.43	0.9819653	353,073	44.23	40.31	0.849%	0.585%	0.605%		
SS-2 Primary	0.686	60,525	10.07	0.9719653	62,271	10.37	7.11	0.150%	0.137%	0.138%		
Transm Del/ Primary Mtr	0.686	11,069	1.84	0.9719653	11,388	1.90	1.30	0.027%	0.025%	0.025%		
Transmission	0.686	92,935	15.47	0.9819653	94,642	15.75	10.80	0.228%	0.208%	0.210%		
								4.800%	3.399%	3.507%	48,212	164
Lighting												
LS-1 (Secondary)	10.191	380,801	4.27	0.9413447	404,528	4.53	46.18	0.972%	0.060%	0.130%	9,532	32
Total		39,296,433	7,139.36		41,597,015	7,563.34	4,748.52	100.000%	100.000%	100.000%	2,021,858	6,890

Notes:

(1) Average 12CP load factor based on load research study filed July 31, 2018 (FPSC rule 25-6.0437 (7))
(2) Projected mWh sales for the period Jan-Dec 2019
(3) Calculated: Column 2 / (8,760 hours x Column 1)
(4) Based on system average line loss analysis for 2017
(5) Calculated: Column 2 / Column 4
(6) Calculated: Column 3 / Column 4
(7) Calculated: Column 5 / 8,760 hours
(8) Calculated: Column 7 / Total Column 7
(9) Calculated: Column 6 / Total Column 6
(10) Calculated: Column 8 x 1/13 + Column 9 x 12/13
(11) Projected Base Energy & Demand Revenues for Jan-Dec 2019
(12) Uniform Percent Calculated: Column 12 Total / Column 11 Total
Calculated: Column 11 x Uniform Percent

Duke Energy Florida, LLC
Calculation of Capacity Cost Recovery Factors by Rate Class
For the Year 2019

Docket No. 20180001-EI
Exhibit__CAM-3, Part 3
Schedule E12-E
Page 1 of 2

Rate Class	(1) **12CP 1/13 AD** Demand Allocator (%)	(2) Effective mWh at Secondary Level (MWh)	(3) Capacity Production Demand Costs ($)	(4) ISFSI Dry Cask Storage Costs ($)	(5) CR3 Production Demand Costs ($)	(6) Capacity + Nuclear + ISFSI Production Demand Costs ($)	(7) Capacity CCR Factor (c/kWh)	(8) ISFSI CCR Factor (c/kWh)	(9) CR3 CCR Factor (c/kWh)	(10) Capacity & Nuclear CCR Factor (c/kWh)
Residential										
RS-1, RST-1, RSL-1, RSL-2, RSS-1										
Secondary	59.685%	20,593,148	$226,436,686	$4,402,627	$26,177,081	$257,016,393	**1.100**	**0.021**	**0.127**	**1.248**
General Service Non-Demand										
GS-1, GST-1										
Secondary		2,001,248					**1.050**	**0.021**	**0.121**	**1.192**
Primary		15,816					**1.040**	**0.021**	**0.120**	**1.180**
Transmission		2,434					**1.029**	**0.021**	**0.119**	**1.168**
TOTAL GS	5.588%	2,019,498	21,199,090	430,782	2,450,708	24,080,581				
General Service										
GS-2 Secondary	0.297%	177,263	1,127,455	14,498	130,339	1,272,292	**0.636**	**0.008**	**0.074**	**0.718**
General Service Demand										
GSD-1, GSDT-1, SS-1										
Secondary		11,774,036								
Primary		2,240,180								
Transmission		8,362								
TOTAL GSD	30.596%	14,022,578	116,078,962	1,826,927	13,419,241	131,325,130				
Curtailable										
CS-1, CST-1, CS-2, CST-2, CS-3, CST-3, SS-3										
Secondary		-								
Primary		136,349								
Transmission		-								
TOTAL CS	0.197%	136,349	747,134	18,518	86,372	852,024				
Interruptible										
IS-1, IST-1, IS-2, IST-2, SS-2										
Secondary		89,356								
Primary		1,399,033								
Transmission		431,091								
TOTAL IS	3.507%	1,919,481	13,304,407	164,298	1,538,048	15,006,753				
Lighting										
LS-1 Secondary	0.130%	380,801	493,623	32,485	57,065	583,173	**0.130**	**0.009**	**0.015**	**0.154**
Total	100.000%	39,249,118	$379,387,358	$6,890,135	$43,858,854	$430,136,347	**0.967**	**0.018**	**0.112**	**1.097**

Notes:

(1) From Schedule E12-D, Column 10
(2) Projected mWh sales at effective voltage level for Jan-Dec 2019
(3) Column 1 x Total Recoverable Payments (Schedule E12-A)
(4) From Schedule E12-D, Column 12
(5) Column 1 x Total Recoverable Payments (Schedule E12-A)
(6) Column 3 + Column 4 + Column 5
(7) (Column 3 / Column 2) / 10
(8) (Column 4 / Column 2) / 10
(9) (Column 5 / Column 2) / 10
(10) Column 7 + Column 8 + Column 9
(11) Class Billing kW Load Factor
(12) Column 2 x 1000 / 8,760 / Column 11 x 12
(13) Column 3 / Column 12
(14) Column 4 / Column 12
(15) Column 5 / Column 12
(16) Column 6 / Column 12

Duke Energy Florida, LLC
Calculation of Capacity Cost Recovery Factors by Rate Class
For the Year 2019

Docket No. 20180001-EI
Exhibit__CAM-3, Part 3
Schedule E12-E
Page 2 of 2

Rate Class	(1) **12CP 1/13 AD** Demand Allocator (%)	(2) Effective mWh at Secondary Level (MWh)	(3) Capacity Production Demand Costs ($)	(4) ISFSI Dry Cask Storage Costs ($)	(5) CR3 Production Demand Costs ($)	(6) Capacity + Nuclear + ISFSI Production Demand Costs ($)	(11) Billing KW Load Factor (%)	(12) Projected Effective KW at Meter Level (kW)	(13) Capacity CCR Factor ($/kW-mo)	(14) ISFSI CCR Factor ($/kW-mo)	(15) CR3 CCR Factor ($/kW-mo)	(16) Capacity & Nuclear CCR Factor ($/kW-mo)
Residential												
RS-1, RST-1, RSL-1, RSL-2, RSS-1												
Secondary	59.685%	20,593,148	$226,436,686	$4,402,627	$26,177,081	$257,016,393						
General Service Non-Demand												
GS-1, GST-1												
Secondary		2,001,248										
Primary		15,816										
Transmission		2,434										
TOTAL GS	5.588%	2,019,498	21,199,090	430,782	2,450,708	24,080,581						
General Service												
GS-2 Secondary	0.297%	177,263	1,127,455	14,498	130,339	1,272,292						
General Service Demand												
GSD-1, GSDT-1, SS-1												
Secondary		11,774,036							**3.29**	**0.05**	**0.38**	**3.72**
Primary		2,240,180							**3.26**	**0.05**	**0.38**	**3.68**
Transmission		8,362							**3.22**	**0.05**	**0.37**	**3.65**
TOTAL GSD	30.596%	14,022,578	116,078,962	1,826,927	13,419,241	131,325,130	54.40%	35,310,682				
Curtailable												
CS-1, CST-1, CS-2, CST-2, CS-3, CST-3, SS-3												
Secondary		-							**1.29**	**0.03**	**0.15**	**1.47**
Primary		136,349							**1.28**	**0.03**	**0.15**	**1.46**
Transmission		-							**1.26**	**0.03**	**0.15**	**1.44**
TOTAL CS	0.197%	136,349	747,134	18,518	86,372	852,024	32.20%	580,060				
Interruptible												
IS-1, IST-1, IS-2, IST-2, SS-2												
Secondary		89,356							**2.66**	**0.03**	**0.31**	**3.00**
Primary		1,399,033							**2.63**	**0.03**	**0.31**	**2.97**
Transmission		431,091							**2.61**	**0.03**	**0.30**	**2.94**
TOTAL IS	3.507%	1,919,481	13,304,407	164,298	1,538,048	15,006,753	52.60%	4,998,909				
Lighting												
LS-1 Secondary	0.130%	380,801	493,623	32,485	57,065	583,173						
Total	100.000%	39,249,118	$379,387,358	$6,890,135	$43,858,854	$430,136,347						

Notes:

(1) From Schedule E12-D, Column 10
(2) Projected mWh sales at effective voltage level for Jan-Dec 2019
(3) Column 1 x Total Recoverable Payments (Schedule E12-A)
(4) From Schedule E12-D, Column 12
(5) Column 1 x Total Recoverable Payments (Schedule E12-A)
(6) Column 3 + Column 4 + Column 5
(7) (Column 3 / Column 2) / 10
(8) (Column 4 / Column 2) / 10
(9) (Column 5 / Column 2) / 10
(10) Column 7 + Column 8 + Column 9
(11) Class Billing kW Load Factor
(12) Column 2 x 1000 / 8,760 / Column 11 x 1
(13) Column 3 / Column 12
(14) Column 4 / Column 12
(15) Column 5 / Column 12
(16) Column 6 / Column 12

***Calculation of Standby Service kW Charges:**

	Capacity + Nuclear Cost		
	Cost	Effective kW	$/kW
Total GSD, CS, IS	$147,183,907	40,889,651	3.60
SS-1, 2, 3 - $/kW-mo	Secondary	Primary	Trans
Monthly - $3.60/kW * 10%	0.360	0.356	0.353
Daily - $3.60/kW / 21	0.171	0.169	0.168

IN RE: PETITION ON BEHALF OF DUKE ENERGY FLORIDA
FOR
FUEL AND CAPACITY COST RECOVERY
FINAL TRUE-UP FOR THE PERIOD
JANUARY THROUGH JULY 2017

FPSC DOCKET NO. 20180001-EI

GPIF TARGETS AND RANGES FOR
JANUARY THROUGH DECEMBER 2019

DIRECT TESTIMONY OF MATTHEW J. JONES

August 24, 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, NC 28202.

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

A. I am employed by Duke Energy Corporation ("Duke Energy") as Managing Director of Analytics for Fuels and Systems Optimization. Duke Energy Florida, LLC ("DEF" or "Company") is a wholly-owned subsidiary of Duke Energy.

Q. What are your responsibilities in that position?

A. As Managing Director of Analytics for Fuels and Systems Optimization, I oversee the analysis and modeling of energy portfolios for Duke Energy's regulated utility subsidiaries, including DEF, as well as Duke Energy Carolinas, LLC, 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. Please describe your educational background and professional experience.

A. I earned a B.A. in Anthropology from State University of New York in 2001. From 2001 until 2004, I worked as an Account Representative for National Loop Company in Green Island, NY. From 2004 until 2007, I attended graduate school at Indiana University – Bloomington, where I earned a Master of Business Administration and a Doctor of Jurisprudence, *cum laude*. In 2008, I joined Duke Energy as a Commercial Associate, spending a six month rotation working in Business Development and another six month rotation in the FERC Legal group. In 2009, I entered the Business Development Analytics group where I worked in dispatch pricing, production cost modeling, and fuel burn forecasting for the Duke Energy Carolinas system. In 2010, I entered the Integrated Resource Planning group to work on the Kentucky IRP model and later in 2010, I became the Director of Wholesale and Commodities Business Support, where I had the responsibility to manage wholesale ratemaking, dispatch pricing, production cost modeling, fuel burn forecasting, position reporting, budgeting for bulk power marketing, and general analytical support for Fuels Hedging, Bulk Power Marketing, and Wholesale Origination for North and South Carolina, Indiana and Kentucky. In July of 2012, I became the Director of Analytics for Fuels and System Optimization, where, in addition to the responsibilities outlined in the previous question, I was also given the responsibility for the Contract Administration and Fuels System

Support organizations. In 2014, my title was changed to Managing Director and my organization now includes Quantitative Analytics.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to provide a recap of actual reward / penalty for the period of January through December 2017 and also present the development of the Company's Generating Performance Incentive Factor ("GPIF") targets and ranges for the period January through December 2019. These GPIF targets and ranges have been developed from individual unit equivalent availability, average net operating heat rate targets, and improvement/degradation ranges for each of the Company's GPIF generating units, in accordance with the Commission's GPIF Implementation Manual.

Q. What GPIF incentive amount was calculated and reported in your March 15, 2018 testimony for the period January through December 2017?

A. DEF's originally calculated GPIF incentive amount for this period was a penalty of $2,301,526. Please refer to my testimony filed March 15, 2018 for the details of how this incentive amount was calculated.

Q. Have there been any adjustments to the incentive amount filed in March?

A. No.

Q. Do you have an exhibit to your testimony?

A. Yes. I am sponsoring Exhibit No. _____ (MJJ-1P), which consists of the GPIF standard

form schedules prescribed in the GPIF Implementation Manual and supporting data, including outage rates, net operating heat rates, and computer analyses and graphs for each of the individual GPIF units. This exhibit is attached to my prepared testimony and includes as its first page an index to the contents of the exhibit.

Q. Which of the Company's generating units have you included in the GPIF program for the upcoming projection period?

A. For the 2019 projection period, the GPIF program includes the following units: Bartow Unit 4, Crystal River Units 4 and 5; and Hines Units 1 through 4. Combined, these units account for 88% of the estimated total system net generation for the period, excluding Citrus CC units 1 and 2 as explained below.

Citrus CC Units 1 and 2 were not included for the upcoming projection period since there is insufficient performance history to use in setting targets and ranges for these units.

Q. Have you determined the equivalent availability targets and improvement/degradation ranges for the Company's GPIF units?

A. Yes. This information is included in the GPIF Target and Range Summary on page 4 of my Exhibit No. ___ (MJJ-1P).

Q. How were the equivalent availability targets developed?

A. The equivalent availability targets were developed using the methodology established for the Company's GPIF units, as set forth in Section 4 of the GPIF Implementation Manual.

This includes the formulation of graphs based on each unit's historic performance data for the four individual unplanned outage rates (i.e., forced, partial forced, maintenance, and partial maintenance outage rates), which in combination constitute the unit's equivalent unplanned outage rate ("EUOR"). From operational data and these graphs, the individual target rates are determined through a review of three years of monthly data points. The unit's four target rates are then used to calculate its unplanned outage hours for the projection period. When the unit's projected planned outage hours are taken into account, the hours calculated from these individual unplanned outage rates can then be converted into an overall equivalent unplanned outage factor ("EUOF"). Because factors are additive (unlike rates), the EUOF and planned outage factor ("POF") when added to the equivalent availability factor ("EAF") will always equal 100%. For example, an EUOF of 15% and POF of 10% results in an EAF of 75%.

The supporting tables and graphs for the target and range rates are contained in pages 41-76 of my exhibit in the section entitled "Unplanned Outage Rate Tables and Graphs."

Q. Please describe the methodology utilized to develop the improvement/degradation ranges for each GPIF unit's availability targets?

A. The methodology described in the GPIF Implementation Manual was used. Ranges were first established for each of the four unplanned outage rates associated with each unit. From an analysis of the unplanned outage graphs, units with small historical variations in outage rates were assigned narrow ranges and units with large variations were assigned wider ranges. These individual ranges, expressed in term of rates, were then converted

into a single unit availability range, expressed in terms of a factor, using the same procedure described above for converting the availability targets from rates to factors.

Q. Were adjustments made to historical unit availability to account for significant anomalies in historical performance?

A. No.

Q. Have you determined the net operating heat rate targets and ranges for the Company's GPIF units?

A. Yes. This information is included in the Target and Range Summary on page 4 of my Exhibit No. ___ (MJJ-1P).

Q. How were these heat rate targets and ranges developed?

A. The development of the heat rate targets and ranges for the upcoming period utilized historical data from the past three years, as described in the GPIF Implementation Manual. A "least squares" procedure was used to curve-fit the heat rate data to a linear relationship with Net Operating Factor (NOF), and ranges at a 90% confidence level were also established assuming a normal distribution. The analyses and data plots used to develop the heat rate targets and ranges for each of the GPIF units are contained in pages 26-40 of my exhibit in the section entitled "Average Net Operating Heat Rate Curves."

Q. How were the GPIF incentive points developed for the unit availability and heat rate ranges?

A. GPIF incentive points for availability and heat rate were developed by evenly spreading the positive and negative point values from the target to the maximum and minimum values in the case of availability, and from the neutral band to the maximum and minimum values in the case of heat rate. The fuel savings (loss) dollars were evenly spread over the range in the same manner as described for incentive points. The maximum savings (loss) dollars are the same as those used in the calculation of the weighting factors.

Q. How were the GPIF weighting factors determined?

A. To determine the weighting factors for availability, a series of simulations was made using a production costing model in which each unit's maximum equivalent availability was substituted for the target value to obtain a new system fuel cost. The differences in fuel costs between these cases and the target case determine the contribution of each unit's availability to fuel savings. The heat rate contribution of each unit to fuel savings was determined by multiplying the BTU savings between the minimum and target heat rates (at constant generation) by the average cost per BTU for that unit. Weighting factors were then calculated by dividing each individual unit's fuel savings by total system fuel savings.

Q. What was the basis for determining the estimated maximum incentive amount?

A. The determination of the maximum reward or penalty was based upon monthly common equity projections obtained from a detailed financial simulation performed by the Company's Corporate Model.

Q. What is the Company's estimated maximum incentive amount for 2019?

A. The estimated maximum incentive for the Company is $17,823,338. The calculation of the estimated maximum incentive is shown on page 3 of my Exhibit No. ___ (MJJ-1P).

Q. Does this conclude your testimony?

A. Yes.

GPIF Targets and Ranges for January through December 2019

STANDARD FORM GPIF SCHEDULES

Original Sheet No. 7.101.1

GENERATING PERFORMANCE INCENTIVE FACTOR

REWARD/PENALTY TABLE

ESTIMATED

Duke Energy Florida
Period of: January 2019 - December 2019

Generating Performance Incentive Points (GPIF)	Fuel Saving/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	$7,129,335	$3,564,668
1	$3,564,668	$1,782,334
0	$0	$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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GENERATION PERFORMANCE INCENTIVE FACTOR

CALCULATION OF MAXIMUM ALLOWED INCENTIVE DOLLARS

ESTIMATED

Duke Energy Florida
Period of: January 2019 - December 2019

1	Beginning of period balance of common equity	$6,171,003,653	
	END OF MONTH BALANCE OF COMMON EQUITY:		
2	Month of JANUARY 2019	$6,218,338,385	
3	Month of FEBRUARY 2019	$6,254,720,825	
4	Month of MARCH 2019	$6,292,746,242	
5	Month of APRIL 2019	$6,331,433,790	
6	Month of MAY 2019	$6,396,061,227	
7	Month of JUNE 2019	$6,482,138,011	
8	Month of JULY 2019	$6,571,774,976	
9	Month of AUGUST 2019	$6,657,385,565	
10	Month of SEPTEMBER 2019	$6,736,841,285	
11	Month of OCTOBER 2019	$6,799,456,729	
12	Month of NOVEMBER 2019	$6,839,233,561	
13	Month of DECEMBER 2019	$6,877,430,518	
14	Average common equity for the period (Summation of LINE 1 through LINE 13 divided by 13)	$6,509,889,597	
15	25 Basis Points	0.0025	
16	Revenue Expansion Factor	74.3902%	
17	Maximum allowed incentive dollars (LINE 14 times LINE 15 divided by LINE 16)	$21,877,502	
18	Jurisdictional Sales	39,296,432	MWH
19	Total Sales	39,508,579	MWH
20	Jurisdictional Separation Factor (LINE 18 divided by LINE 19)	99.46%	
21	Maximum allowed jurisdictional incentive dollars (LINE 17 times LINE 20)	$21,759,364	
22	Incentive Cap (50% of Projected Fuel Savings at 10 GPIF Point Level) From Sheet No. 7.101.1	$17,823,338	
23	Maximum Allowed GPIF Reward (Lesser of Line 21 and Line 22)	$17,823,338	

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GPIF TARGET AND RANGE SUMMARY

Duke Energy Florida
Period of: January 2019 - December 2019

Plant/Unit	Weighting Factor (%)	EAF Target (%)	EAF RANGE Max. (%)	EAF RANGE Min. (%)	Max. Fuel Savings ($000)	Max. Fuel Loss ($000)
Bartow 4	1.92	77.28	81.18	69.39	684	(849)
Crystal River 4	3.93	88.12	92.48	79.53	1,399	(2,543)
Crystal River 5	2.08	78.10	80.15	73.88	741	(1,040)
Hines 1	0.78	91.96	92.78	90.26	279	(253)
Hines 2	0.23	92.15	92.88	90.64	82	(347)
Hines 3	1.04	88.09	89.19	85.82	370	(169)
Hines 4	2.88	81.17	85.53	72.14	1,026	(2,569)
GPIF System	12.85				4,580	(7,770)

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)
Bartow 4	28.83	8,075	65.8	7,426	8,724	10,278	(10,278)
Crystal River 4	18.92	10,237	74.9	9,700	10,773	6,743	(6,743)
Crystal River 5	16.66	10,206	71.0	9,648	10,764	5,939	(5,939)
Hines 1	7.71	7,337	82.6	6,921	7,754	2,750	(2,750)
Hines 2	5.08	7,501	75.5	7,226	7,777	1,811	(1,811)
Hines 3	5.02	7,354	76.1	7,110	7,599	1,789	(1,789)
Hines 4	4.93	7,050	85.3	6,838	7,262	1,756	(1,756)
GPIF System	87.15					31,066	(31,066)

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COMPARISON OF GPIF TARGETS VS. PRIOR PERIODS' ACTUAL PERFORMANCE AVAILABILITY

Duke Energy Florida
Period of: January 2019 - December 2019

Plant/Unit	Target Wt. Factor	Norm. Wt. Factor	Target POF	Target EUOF	Target EUOR	Actual Performance 1st Prior Period Jan-Jun 2018 POF	1st Prior Period Jan-Jun 2018 EUOF	1st Prior Period Jan-Jun 2018 EUOR	Actual Performance 2nd Prior Period Jan-Dec 2017 POF	2nd Prior Period Jan-Dec 2017 EUOF	2nd Prior Period Jan-Dec 2017 EUOR
Bartow 4	1.92	14.94	14.38	8.33	8.33	2.57	4.88	5.21	1.43	10.97	11.43
Crystal River 4	3.93	30.55	2.47	9.42	9.88	20.87	6.31	7.98	0.00	16.97	16.97
Crystal River 5	2.08	16.17	17.53	4.37	5.35	8.10	4.00	4.35	19.56	5.13	6.37
Hines 1	0.78	6.09	6.30	1.73	2.53	13.47	2.22	2.59	7.71	3.08	3.57
Hines 2	0.23	1.78	6.30	1.55	2.14	10.15	1.89	2.26	7.93	0.61	0.74
Hines 3	1.04	8.07	9.59	2.32	2.94	0.00	1.37	1.62	7.18	4.93	5.68
Hines 4	2.88	22.41	9.59	9.24	10.90	0.00	0.83	0.87	9.04	2.01	2.34
GPIF System Wghtd. Avg.	12.85	100.00	9.16	7.22	8.00	9.07	3.77	4.44	6.59	8.70	9.14

Plant/Unit	Actual Performance 3rd Prior Period Jan-Dec 2016 POF	3rd Prior Period Jan-Dec 2016 EUOF	3rd Prior Period Jan-Dec 2016 EUOR	Actual Performance 4th Prior Period Jan-Dec 2015 POF	4th Prior Period Jan-Dec 2015 EUOF	4th Prior Period Jan-Dec 2015 EUOR	Actual Performance 5th Prior Period Jan-Dec 2014 POF	5th Prior Period Jan-Dec 2014 EUOF	5th Prior Period Jan-Dec 2014 EUOR
Bartow 4	10.34	8.02	9.11	8.21	3.89	4.33	10.01	7.84	8.92
Crystal River 4	8.44	5.70	6.23	0.00	4.71	4.71	4.34	11.87	12.92
Crystal River 5	2.07	5.56	5.76	6.03	2.16	2.92	5.43	6.09	6.53
Hines 1	10.11	1.78	2.02	15.13	1.29	1.55	0.00	1.02	1.12
Hines 2	8.73	3.81	4.43	0.00	45.82	46.11	0.00	49.02	54.59
Hines 3	15.10	1.79	2.17	6.32	0.80	0.86	5.88	7.75	9.01
Hines 4	7.75	26.15	28.61	10.68	0.67	0.76	4.03	2.58	2.95
GPIF System Wghtd. Avg.	8.18	10.02	10.98	6.03	3.48	3.71	5.07	7.92	8.76

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COMPARISON OF GPIF TARGETS VS. PRIOR PERIODS' ACTUAL PERFORMANCE
AVERAGE NET OPERATING HEAT RATE

Duke Energy Florida
Period of: January 2019 - December 2019

Plant/Unit	Target Wt. Factor	Norm. Wt. Factor	Average Heat Rate Target	1st Prior HR Jan 2017 - Dec 2017	2nd Prior HR Jan 2016 - Dec 2016	3rd Prior HR Jan 2015 - Dec 2015
Bartow 4	28.83	33.08	8,075	8,219	8,116	7,833
Crystal River 4	18.92	21.70	10,237	10,289	10,283	10,268
Crystal River 5	16.66	19.12	10,206	10,208	10,130	10,303
Hines 1	7.71	8.85	7,337	7,341	7,206	7,479
Hines 2	5.08	5.83	7,501	7,560	7,479	7,544
Hines 3	5.02	5.76	7,354	7,279	7,368	7,501
Hines 4	4.93	5.65	7,050	7,058	7,049	7,146
			-	-	-	-
			-	-	-	-
			-	-	-	-
			-	-	-	-
			-	-	-	-
GPIF System Weighted Avg.	87.15	100.00	8,753	8,813	8,750	9,170

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DERIVATION OF WEIGHTING FACTORS

Duke Energy Florida
Period of: January 2019 - December 2019

Unit Performance Indicator	Production Costing Simulation Fuel Cost ($000) At Target (1)	At Maximum Improvement (2)	Savings (3)	Weighting Factor (% of Savings)
Bartow 4 EAF	1,880,591	1,879,907	684	1.92
Bartow 4 HR	1,880,591	1,870,313	10,278	28.83
Crystal River 4 EAF	1,880,591	1,879,192	1,399	3.93
Crystal River 4 HR	1,880,591	1,873,848	6,743	18.92
Crystal River 5 EAF	1,880,591	1,879,850	741	2.08
Crystal River 5 HR	1,880,591	1,874,652	5,939	16.66
Hines 1 EAF	1,880,591	1,880,312	279	0.78
Hines 1 HR	1,880,591	1,877,841	2,750	7.71
Hines 2 EAF	1,880,591	1,880,509	82	0.23
Hines 2 HR	1,880,591	1,878,780	1,811	5.08
Hines 3 EAF	1,880,591	1,880,221	370	1.04
Hines 3 HR	1,880,591	1,878,802	1,789	5.02
Hines 4 EAF	1,880,591	1,879,565	1,026	2.88
Hines 4 HR	1,880,591	1,878,835	1,756	4.93

1. Fuel Adjustment Base Case - all unit performance indicators at Target.
2. All other unit performance indicators at Target.
3. Expressed in replacement costs.

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INCENTIVE POINTS TABLES

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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida

Period of: January 2019 - December 2019

Bartow 4

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
9	$615,821	80.79	9	$9,250,065	7,483.1
8	$547,397	80.40	8	$8,222,280	7,540.5
7	$478,972	80.01	7	$7,194,495	7,598.0
6	$410,548	79.62	6	$6,166,710	7,655.4
5	$342,123	79.23	5	$5,138,925	7,712.9
4	$273,698	78.84	4	$4,111,140	7,770.3
3	$205,274	78.45	3	$3,083,355	7,827.7
2	$136,849	78.06	2	$2,055,570	7,885.2
1	$68,425	77.67	1	$1,027,785	7,942.6
					8,000.1
0	$0	77.28	0	$0	8,075.1
					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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GENERATING PERFORMANCE INCENTIVE POINTS TABLE

Duke Energy Florida

Period of: January 2019 - December 2019

Crystal River 4

Equivalent Availability (Points)	Fuel Savings/Loss ($)	Equivalent Availability (%)	Average Heat Rate (Points)	Fuel Savings/Loss ($)	Average Heat Rate (BTU/KWH)
					10,161.6
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	$4,045,705	9,884.8
5	$699,706	90.30	5	$3,371,421	9,930.9
4	$559,764	89.86	4	$2,697,136	9,977.1
3	$419,823	89.43	3	$2,022,852	10,023.2
2	$279,882	88.99	2	$1,348,568	10,069.3
1	$139,941	88.55	1	$674,284	10,115.4
					10,161.6
0	$0	88.12	0	$0	10,236.6
					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

Period of: January 2019 - December 2019

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	$2,969,599	9,889.5
4	$296,259	78.92	4	$2,375,679	9,937.8
3	$222,194	78.71	3	$1,781,759	9,986.1
2	$148,129	78.51	2	$1,187,839	10,034.4
1	$74,065	78.30	1	$593,920	10,082.7
					10,130.9
0	$0	78.10	0	$0	10,205.9
					10,280.9
-1	($103,982)	77.68	-1	($593,920)	10,329.2
-2	($207,963)	77.25	-2	($1,187,839)	10,377.5
-3	($311,945)	76.83	-3	($1,781,759)	10,425.8
-4	($415,927)	76.41	-4	($2,375,679)	10,474.1
-5	($519,909)	75.99	-5	($2,969,599)	10,522.4
-6	($623,890)	75.57	-6	($3,563,518)	10,570.7
-7	($727,872)	75.15	-7	($4,157,438)	10,619.0
-8	($831,854)	74.73	-8	($4,751,358)	10,667.3
-9	($935,835)	74.31	-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

Period of: January 2019 - December 2019

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
					7,262.2
0	$0	91.96	0	$0	7,337.2
					7,412.2
-1	($25,305)	91.79	-1	($275,000)	7,446.4
-2	($50,610)	91.62	-2	($550,000)	7,480.5
-3	($75,915)	91.45	-3	($825,000)	7,514.7
-4	($101,220)	91.28	-4	($1,100,000)	7,548.8
-5	($126,525)	91.11	-5	($1,375,000)	7,583.0
-6	($151,830)	90.94	-6	($1,650,000)	7,617.2
-7	($177,135)	90.77	-7	($1,925,000)	7,651.3
-8	($202,440)	90.60	-8	($2,200,000)	7,685.5
-9	($227,745)	90.43	-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

Period of: January 2019 - December 2019

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
9	$73,366	92.81	9	$1,630,108	7,245.7
8	$65,214	92.74	8	$1,448,985	7,265.7
7	$57,062	92.66	7	$1,267,862	7,285.8
6	$48,910	92.59	6	$1,086,738	7,305.8
5	$40,759	92.52	5	$905,615	7,325.9
4	$32,607	92.45	4	$724,492	7,345.9
3	$24,455	92.37	3	$543,369	7,366.0
2	$16,303	92.30	2	$362,246	7,386.0
1	$8,152	92.23	1	$181,123	7,406.1
					7,426.1
0	$0	92.15	0	$0	7,501.1
					7,576.1
-1	($34,725)	92.00	-1	($181,123)	7,596.1
-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

Period of: January 2019 - December 2019

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
9	$332,595	89.08	9	$1,609,754	7,126.8
8	$295,640	88.97	8	$1,430,892	7,143.7
7	$258,685	88.86	7	$1,252,031	7,160.7
6	$221,730	88.75	6	$1,073,169	7,177.6
5	$184,775	88.64	5	$894,308	7,194.6
4	$147,820	88.53	4	$715,446	7,211.5
3	$110,865	88.42	3	$536,585	7,228.5
2	$73,910	88.31	2	$357,723	7,245.4
1	$36,955	88.20	1	$178,862	7,262.4
					7,279.3
0	$0	88.09	0	$0	7,354.3
					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

Period of: January 2019 - December 2019

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
9	$923,707	85.09	9	$1,580,802	6,852.1
8	$821,073	84.66	8	$1,405,157	6,865.8
7	$718,439	84.22	7	$1,229,513	6,879.5
6	$615,805	83.78	6	$1,053,868	6,893.2
5	$513,170	83.35	5	$878,223	6,906.8
4	$410,536	82.91	4	$702,579	6,920.5
3	$307,902	82.48	3	$526,934	6,934.2
2	$205,268	82.04	2	$351,289	6,947.9
1	$102,634	81.60	1	$175,645	6,961.6
					6,975.3
0	$0	81.17	0	$0	7,050.3
					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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UNIT PERFORMANCE DATA

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EST MATED UNIT PERFORMANCE DATA

Duke Energy Florida
Period of: January 2019 - December 2019

PLANT/UNIT **Bartow 4**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1. EAF	91.67	91.67	19.09	79.17	91.67	91 67	91 67	91.67	84.17	16.67	89.17	91 67	77.28
2. POF	0.00	0.00	72.58	12.50	0.00	0.00	0 00	0.00	7.50	75.00	2.50	0 00	14.38
3. EUOF	8.33	8.33	8.33	8.33	8.33	8.33	8 33	8.33	8.33	8.33	8.33	8 33	8.33
4. EUOR	8.33	8.33	8.33	8.33	8.33	8.33	8 33	8.33	8.33	8.33	8.33	8 33	8.33
5. PH	744	672	744	720	744	720	744	744	720	744	720	744	8,760
6. SH	689 6	622 9	689.6	667.4	689.6	667.4	689.6	689 6	667.4	689 6	667.4	689.6	8,119.5
7. 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
8. UH	54.4	49.1	54.4	52 6	54.4	52.6	54.4	54.4	52.6	54.4	52.6	54.4	640.5
9. POH & PPOH	0 0	0 0	540.0	90.0	0 0	0.0	0.0	0 0	54.0	558 0	18.0	0.0	1260.0
10. FOH & PFOH	53 0	47 9	53.0	51 3	53 0	51.3	53.0	53 0	51.3	53 0	51.3	53.0	623.8
11. MOH & PMOH	9 0	8.1	9.0	8.7	9 0	8.7	9.0	9 0	8.7	9 0	8.7	9.0	106.2
12. Oper. Btu(MBtu)	3,566,135	3,415,354	1,705,510	3,485,652	4,494,883	4,294,507	4,469,213	4,400,425	4,157,640	4,161,242	4,186,289	3,807,593	46,607,027
13. Net Gen. (MWH)	430,576 0	418,024 0	186,819.0	421,792 0	578,664.0	550,435.0	574,217 0	562,416.0	527,272.0	522,607 0	532,067.0	466,830.0	5,771,719.0
14. ANOHR (Btu/KWH)	8,282	8,170	9,129	8,264	7,768	7,802	7,783	7,824	7,885	7,962	7,868	8,156	8,075
15. NOF (%)	57 8	62.1	25.1	58 5	77.7	76.4	77.1	75 5	73.2	70 2	73.8	62.7	65.8
16. NSC (MW)	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080
17. ANOHR Equation	ANOHR=	-25.878 x NOF +		9,778 3									

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EST MATED UNIT PERFORMANCE DATA

Duke Energy Florida
Period of: January 2019 - December 2019

PLANT/UNIT **Crystal River 4**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1. EAF	90.23	90.26	90.17	90.45	64.16	90 28	90.15	90.26	90.29	90.46	90.31	90 87	88.12
2. POF	0.00	0.00	0.00	0.00	29.03	0.00	0 00	0.00	0.00	0.00	0.00	0 00	2.47
3. EUOF	9.77	9.74	9.83	9.55	6.80	9.72	9 85	9.74	9.71	9.54	9.69	9.13	9.42
4. EUOR	9.88	9.88	9.88	9.88	9.88	9.88	9 88	9.88	9.88	9.88	9.88	9 88	9.88
5. PH	744	672	744	720	744	720	744	744	720	744	720	744	8,760
6. SH	674 0	606 6	678.2	637.7	469.2	648.7	679.1	671 8	647.8	658.1	646.9	629.9	7,648.1
7. RSH	8 2	9 8	3.6	23 8	15 8	11.8	2.6	10 6	12.8	25 6	13.8	56.4	194.8
8. UH	61 8	55 6	62.2	58 5	259.0	59.5	62.3	61 6	59.4	60 3	59.3	57.7	917.1
9. POH & PPOH	0 0	0 0	0.0	0.0	216.0	0.0	0.0	0 0	0.0	0 0	0.0	0.0	216.0
10. FOH & PFOH	46.1	41 5	46.4	43.7	32.1	44.4	46.5	46 0	44.4	45.1	44.3	43.1	523.6
11. MOH & PMOH	26 6	23 9	26.7	25.1	18 5	25.6	26.8	26 5	25.5	25 9	25.5	24.8	301.4
12. Oper. Btu(MBtu)	3,741,704	3,307,191	3,895,118	3,336,113	2,600,851	3,582,785	3,879,582	3,579,103	3,466,847	3,496,668	3,714,631	3,149,473	41,775,296
13. Net Gen. (MWH)	367,320 0	322,899 0	386,548.0	321,915 0	255,209.0	351,163.0	384,329 0	347,117.0	336,661.0	338,870 0	368,618.0	300,344.0	4,080,993.0
14. ANOHR (Btu/KWH)	10,186	10,242	10,077	10,363	10,191	10,203	10,094	10,311	10,298	10,319	10,077	10,486	10,237
15. NOF (%)	76 5	74 8	80.0	70 9	76.4	76.0	79.5	72 6	73.0	72 3	80.0	67.0	74.9
16. NSC (MW)	712	712	712	712	712	712	712	712	712	712	712	712	712
17. ANOHR Equation	ANOHR=	-31.322	x NOF +	12,583 9									

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EST MATED UNIT PERFORMANCE DATA

Duke Energy Florida
Period of: January 2019 - December 2019

PLANT/UNIT **Crystal River 5**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1. EAF	94.67	74.38	0.00	9.52	94.69	94.73	94.70	94.69	94.69	94.70	94.74	94 68	78.10
2. POF	0.00	21.43	100.00	90.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0 00	17.53
3. EUOF	5.33	4.19	0.00	0.48	5.31	5.27	5 30	5.31	5.31	5.30	5.26	5 32	4.37
4. EUOR	5.35	5.35	0.00	5.35	5.35	5.35	5 35	5.35	5.35	5.35	5.35	5 35	5.35
5. PH	744	672	744	720	744	720	744	744	720	744	720	744	8,760
6. SH	714 2	507 3	0.0	62 2	711.7	683.9	711.1	711 3	688.6	710 3	682.6	713.0	6,896.3
7. RSH	2 6	1.4	0.0	7.4	5 2	10.0	5.8	5 6	5.2	6 6	11.4	3.8	65 0
8. UH	27 2	163 3	744.0	650.4	27.1	26.1	27.1	27.1	26.2	27.1	26.0	27.2	1798.7
9. POH & PPOH	0 0	144 0	744.0	648 0	0 0	0.0	0.0	0 0	0.0	0 0	0.0	0.0	1536.0
10. FOH & PFOH	26 0	18 5	0.0	2.3	25 9	24.9	25.9	25 9	25.0	25 8	24.8	25.9	250.8
11. MOH & PMOH	13.7	9.7	0.0	1.2	13 6	13.1	13.6	13 6	13.2	13 6	13.1	13.6	131.9
12. Oper. Btu(MBtu)	3,887,361	2,666,418	-	309,707	3,776,791	3,405,965	3,782,689	3,722,615	3,547,511	3,473,236	3,451,822	3,461,398	35,497,565
13. Net Gen. (MWH)	385,561 0	262,422 0	-	30,140 0	372,474.0	331,501.0	373,250 0	366,028.0	347,658.0	336,853 0	336,992.0	335,247.0	3,478,126.0
14. ANOHR (Btu/KWH)	10,082	10,161	-	10,276	10,140	10,274	10,134	10,170	10,204	10,311	10,243	10,325	10,206
15. NOF (%)	76 0	72 9	0.0	68 2	73.7	68.3	73.9	72 5	71.1	66 8	69.5	66.2	71.0
16. NSC (MW)	710	710	710	710	710	710	710	710	710	710	710	710	710
17. ANOHR Equation	ANOHR=	-24.714 x NOF +		11,961 5									

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EST MATED UNIT PERFORMANCE DATA

Duke Energy Florida
Period of: January 2019 - December 2019

PLANT/UNIT **Hines 1**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1. EAF	99.22	99.12	98.06	39.10	81.81	97 62	97 51	97.50	97.49	98.02	98.31	99 36	91.96
2. POF	0.00	0.00	0.00	60.00	16.13	0.00	0 00	0.00	0.00	0.00	0.00	0 00	6.30
3. EUOF	0.78	0.88	1.94	0.90	2.06	2.38	2.49	2.50	2.51	1.98	1.69	0 64	1.73
4. EUOR	2.53	2.53	2.53	2.53	2.53	2.53	2 53	2.53	2.53	2.53	2.53	2 53	2.53
5. PH	744	672	744	720	744	720	744	744	720	744	720	744	8,760
6. SH	225.7	228 8	557.5	249.7	593.1	662.1	716.1	719.4	698.1	570 2	471.3	183.4	5,875.6
7. RSH	513 2	438 0	173.8	32 6	17.4	42.8	11.6	8 2	6.0	160 8	238.0	556.4	2198.8
8. UH	5.1	5 2	12.7	437.7	133.5	15.1	16.3	16.4	15.9	13 0	10.7	4.2	685.6
9. POH & PPOH	0 0	0 0	0.0	432 0	120.0	0.0	0.0	0 0	0.0	0 0	0.0	0.0	552.0
10. FOH & PFOH	4 9	5 0	12.2	5.5	13 0	14.5	15.7	15.7	15.3	12 5	10.3	4.0	128.4
11. MOH & PMOH	0 9	0 9	2.2	1.0	2.4	2.6	2.9	2 9	2.8	2 3	1.9	0.7	23.4
12. Oper. Btu(MBtu)	569,337	565,044	1,575,481	713,949	1,894,819	1,993,145	2,215,635	2,181,808	2,198,516	1,670,439	1,410,462	460,271	17,454,830
13. Net Gen. (MWH)	76,750 0	76,074 0	213,956.0	97,036 0	259,705.0	271,916.0	302,905 0	297,822.0	300,983.0	227,433 0	192,340.0	62,027.0	2,378,947.0
14. ANOHR (Btu/KWH)	7,418	7,428	7,364	7,358	7,296	7,330	7,315	7,326	7,304	7,345	7,333	7,421	7,337
15. NOF (%)	69.4	67 9	78.3	79 3	89.4	83.8	86.3	84 5	88.0	81.4	83.3	69.0	82.6
16. NSC (MW)	490	490	490	490	490	490	490	490	490	490	490	490	490
17. ANOHR Equation	ANOHR=	-6.116 x NOF +		7,842 6									

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EST MATED UNIT PERFORMANCE DATA

Duke Energy Florida
Period of: January 2019 - December 2019

PLANT/UNIT **Hines 2**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1. EAF	99.30	77.97	44.27	97.90	97.92	98 03	97 97	98.02	98.02	98.20	98.22	99.41	92.15
2. POF	0.00	21.43	54.84	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0 00	6.30
3. EUOF	0.70	0.60	0.89	2.10	2.08	1.97	2 03	1.98	1.98	1.80	1.78	0 59	1.55
4. EUOR	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
5. PH	744	672	744	720	744	720	744	744	720	744	720	744	8,760
6. SH	238 8	185 5	302.8	691.4	710.6	650.8	691.2	675.7	653.8	612 0	587.1	201.6	6,201.2
7. RSH	500.4	338 8	27.2	14 8	19 2	56.2	39.0	54 8	53.2	119 8	121.2	538.4	1883.0
8. UH	4 8	147.7	414.0	13 8	14 2	13.0	13.8	13 5	13.0	12 2	11.7	4.0	675.8
9. POH & PPOH	0 0	144 0	408.0	0.0	0 0	0.0	0.0	0 0	0.0	0 0	0.0	0.0	552.0
10. FOH & PFOH	3 5	2.7	4.4	10.0	10 3	9.4	10.0	9 8	9.5	8 9	8.5	2.9	90 0
11. MOH & PMOH	1.7	1.4	2.2	5.1	5 2	4.8	5.1	4 9	4.8	4 5	4.3	1.5	45.4
12. Oper. Btu(MBtu)	524,767	414,942	835,839	2,188,646	2,213,459	1,879,316	1,987,048	2,000,266	1,913,056	1,758,055	1,738,543	503,547	17,982,204
13. Net Gen. (MWH)	66,956 0	53,066 0	110,408.0	297,207 0	299,494.0	250,335.0	264,457 0	267,757.0	255,493.0	233,948 0	232,740.0	65,416.0	2,397,277.0
14. ANOHR (Btu/KWH)	7,837	7,819	7,570	7,364	7,391	7,507	7,514	7,470	7,488	7,515	7,470	7,698	7,501
15. NOF (%)	54 8	55 9	71.2	84 0	82 3	75.1	74.7	77.4	76.3	74.7	77.4	63.4	75.5
16. NSC (MW)	512	512	512	512	512	512	512	512	512	512	512	512	512
17. ANOHR Equation	ANOHR=	-16.213 x NOF +		8,725 2									

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EST MATED UNIT PERFORMANCE DATA

Duke Energy Florida
Period of: January 2019 - December 2019

PLANT/UNIT **Hines 3**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1. EAF	98.07	98.07	97.18	97.12	97.11	97.17	97.10	97.14	64.85	18.85	97.17	98 34	88.09
2. POF	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	33.33	80.65	0.00	0 00	9.59
3. EUOF	1.93	1.93	2.82	2.88	2.89	2.83	2 90	2.86	1.82	0.50	2.83	1 66	2.32
4. EUOR	2.94	2.94	2.94	2.94	2.94	2.94	2 94	2.94	2.94	2.94	2.94	2 94	2.94
5. PH	744	672	744	720	744	720	744	744	720	744	720	744	8,760
6. SH	475.7	427.7	694.4	685 5	710.7	672.6	713.5	702.4	432.7	123 0	673.6	408.2	6,719.9
7. RSH	255 0	232.4	30.2	15.4	13.4	28.6	10.6	22 0	35.2	17 6	27.6	324.4	1012.4
8. UH	13 3	11 9	19.4	19.1	19 9	18.8	19.9	19 6	252.1	603.4	18.8	11.4	1027.7
9. POH & PPOH	0 0	0 0	0.0	0.0	0 0	0.0	0.0	0 0	240.0	600 0	0.0	0.0	840.0
10. FOH & PFOH	10 6	9 5	15.4	15 2	15 8	14.9	15.9	15 6	9.6	2.7	15.0	9.1	149.3
11. MOH & PMOH	3 8	3.4	5.6	5.5	5.7	5.4	5.7	5 6	3.5	1 0	5.4	3.3	54 0
12. Oper. Btu(MBtu)	1,246,098	1,119,369	1,966,308	2,132,204	2,233,847	1,951,667	2,091,414	2,066,470	1,234,988	337,831	1,908,584	1,097,112	19,405,006
13. Net Gen. (MWH)	165,634 0	148,765 0	266,063.0	295,887 0	310,947.0	265,704.0	285,482 0	282,349.0	167,433.0	45,384 0	258,293.0	146,651.0	2,638,592.0
14. ANOHR (Btu/KWH)	7,523	7,524	7,390	7,206	7,184	7,345	7,326	7,319	7,376	7,444	7,389	7,481	7,354
15. NOF (%)	67 5	67.4	74.3	83.7	84 8	76.6	77.5	77 9	75.0	71 5	74.3	69.6	76.1
16. NSC (MW)	516	516	516	516	516	516	516	516	516	516	516	516	516
17. ANOHR Equation	ANOHR=	-19.597	x NOF +	8,845 5									

Issued by: Duke Energy Florida

Filed:
Suspended:
Effective:
Docket No.:
Order No.:

Original Sheet No. 7.107.1

EST MATED UNIT PERFORMANCE DATA

Duke Energy Florida
Period of: January 2019 - December 2019

PLANT/UNIT **Hines 4**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
1. EAF	90.46	90.74	89.83	89.36	89.42	89.44	89 88	89.55	89.48	52.23	23.93	89 58	81.17
2. POF	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	41.94	73.33	0 00	9.59
3. EUOF	9.54	9.26	10.17	10.64	10.58	10 56	10.12	10.45	10.52	5.84	2.74	10.42	9.24
4. EUOR	10.90	10.90	10.90	10.90	10.90	10 90	10.90	10.90	10.90	10.90	10.90	10 90	10.90
5. PH	744	672	744	720	744	720	744	744	720	744	720	744	8,760
6. SH	582 0	510.4	620.8	628 3	645.3	623.5	617.3	637 8	621.4	356 3	161.8	635.7	6,640.6
7. RSH	92 8	101 0	49.4	17 0	22 0	22.4	53.4	30.4	24.8	33.4	11.0	32.8	490.4
8. UH	69 2	60 6	73.8	74.7	76.7	74.1	73.3	75 8	73.8	354 3	547.2	75.5	1629.0
9. POH & PPOH	0 0	0 0	0.0	0.0	0 0	0.0	0.0	0 0	0.0	312 0	528.0	0.0	840.0
10. FOH & PFOH	67 6	59 3	72.1	73 0	75 0	72.4	71.7	74.1	72.2	41.4	18.8	73.9	771.5
11. MOH & PMOH	3 3	2 9	3.6	3.6	3.7	3.6	3.6	3.7	3.6	2 0	0.9	3.7	38 2
12. Oper. Btu(MBtu)	1,743,583	1,439,798	1,882,696	2,116,520	2,156,182	1,945,860	1,812,588	1,989,876	1,902,616	1,007,294	534,837	2,058,686	20,597,855
13. Net Gen. (MWH)	246,422 0	202,312 0	266,413.0	302,969 0	308,354.0	276,174.0	255,669 0	282,412.0	269,499.0	141,568 0	76,393.0	293,367.0	2,921,552.0
14. ANOHR (Btu/KWH)	7,076	7,117	7,067	6,986	6,993	7,046	7,090	7,046	7,060	7,115	7,001	7,017	7,050
15. NOF (%)	82 0	76 8	83.2	93.4	92 6	85.8	80.3	85 8	84.1	77 0	91.5	89.4	85.3
16. NSC (MW)	516	516	516	516	516	516	516	516	516	516	516	516	516
17. ANOHR Equation	ANOHR=	-7.869 x NOF +		7,721 3									

Issued by: Duke Energy Florida

Filed:
Suspended:
Effective:
Docket No.:
Order No.:

PLANNED OUTAGE SCHEDULES

Duke Energy Florida
Period of: January 2019 - December 2019

Plant/Unit	Planned Outage Dates	Reason for Outage
Bartow 4	03/03 (0001) - 03/17 (2400)	(A&C), condenser cleaning, BOP, ST-V, ST- Major, HP/IP, ST-Gen Minor
Bartow 4	03/03 (0001) - 03/17 (2400)	OPTIM: (BartowCC-4B CT - Hot Gas Path - Hours), (BartowCC-4B
Crystal River 4	05/11 (0001) - 05/19 (2400)	Flex
Crystal River 5	02/23 (0001) - 04/27 (2400)	Flex, combustible dust wash
Hines 1	04/13 (0001) - 05/05 (2400)	CI and CT Gen Minors(A&B),BOP, ST-V
Hines 2	02/23 (0001) - 03/17 (2400)	BOP
Hines 3	09/21 (0001) - 10/25 (2400)	**BOP, CT Gen Major Rotor Out w/rewedge (A&B), ST-3 Gen Medium & Minor**
Hines 4	10/19 (0001) - 11/22 (2400)	Controls Upgrade, BOP, HGP(A), ST-V, **(A) Gen Minor**

AVERAGE NET OPERATING HEAT RATE CURVES

DUKE ENERGY FLORIDA

Bartow Unit 4

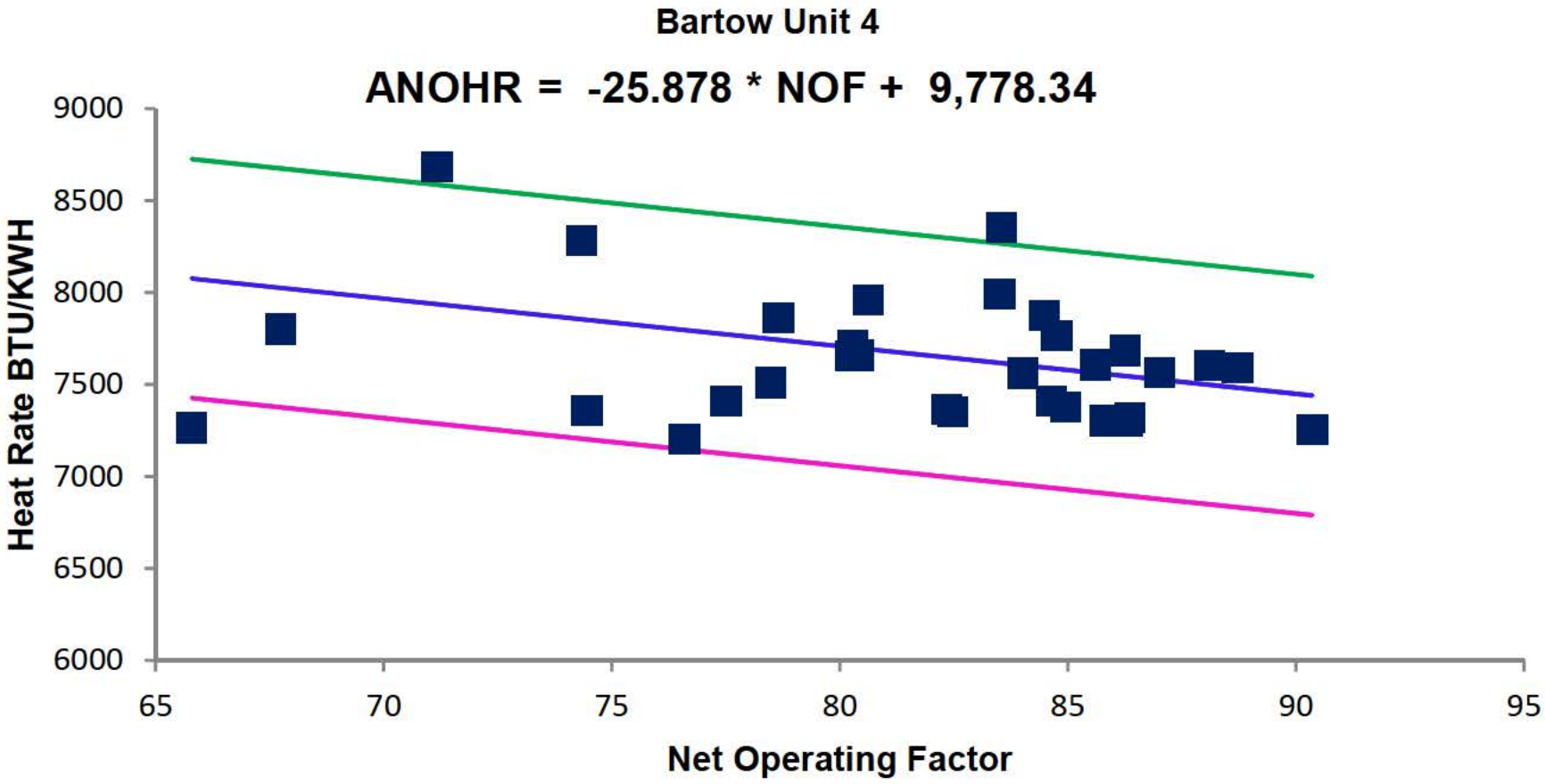
ANOHR = -25.878 * NOF + 9,778.34

TABLE OF RESIDUALS

DATE	OUTPUT FACTOR	ACT MONTHLY HEATRATE	PROJECTED HEATRATE	DIFFERENCE (ACT-PROJ)	HEAT RATE RANGE @90% CONFID
Jul-15	67.7	7,801	8,025	-223.9	649.4
Aug-15	82.5	7,354	7,644	-290.1	649.4
Sep-15	78.5	7,509	7,747	-238.3	649.4
Oct-15	65.8	7,265	8,076	-810.6	649.4
Nov-15	77.5	7,410	7,773	-362.8	649.4
Dec-15	90.4	7,254	7,440	-185.8	649.4
Jan-16	85.0	7,378	7,580	-202.3	649.4
Feb-16	85.8	7,305	7,557	-252.0	649.4
Mar-16	76.6	7,205	7,796	-590.5	649.4
Apr-16	70.2	9,065	7,961	1103.8	649.4
Jun-16	83.6	8,352	7,616	736.2	649.4
Jul-16	86.3	7,303	7,545	-242.3	649.4
Aug-16	86.4	7,319	7,544	-224.4	649.4
Sep-16	84.7	7,414	7,588	-174.3	649.4
Oct-16	71.2	8,686	7,937	749.3	649.4
Dec-16	74.5	7,357	7,851	-494.1	649.4
Jan-17	82.4	7,367	7,647	-280.4	649.4
Apr-17	74.3	8,284	7,855	429.3	649.4
May-17	85.6	7,607	7,563	44.5	649.4
Jun-17	87.0	7,565	7,526	39.1	649.4
Jul-17	86.3	7,685	7,546	139.4	649.4
Aug-17	88.1	7,604	7,498	106.1	649.4
Sep-17	84.5	7,877	7,592	285.1	649.4
Oct-17	84.8	7,767	7,585	182.4	649.4
Nov-17	78.7	7,862	7,743	119.3	649.4
Dec-17	83.5	7,990	7,617	372.7	649.4
Jan-18	80.4	7,658	7,698	-39.3	649.4
Feb-18	80.3	7,655	7,701	-46.7	649.4
Mar-18	80.3	7,715	7,700	14.2	649.4
Apr-18	88.7	7,593	7,482	111.2	649.4
May-18	80.6	7,958	7,692	266.3	649.4
Jun-18	84.0	7,563	7,604	-40.9	649.4

Regression Output:

Constant	9778.34
Std Err of Y Est	401.0988825
R Squared	0.142320683
No. of Observations	32
Degrees of Freedom	30
X Coefficient	-25.87813416
Std Err of Coef.	11.59847237


Bartow Unit 4
ANOHR = -25.878 * NOF + 9,778.34
Heat Rate BTU/KWH
9000
8500
8000
7500
7000
6500
6000
65
70
75
80
85
90
95
Net Operating Factor

DUKE ENERGY FLORIDA

Crystal River Unit 4

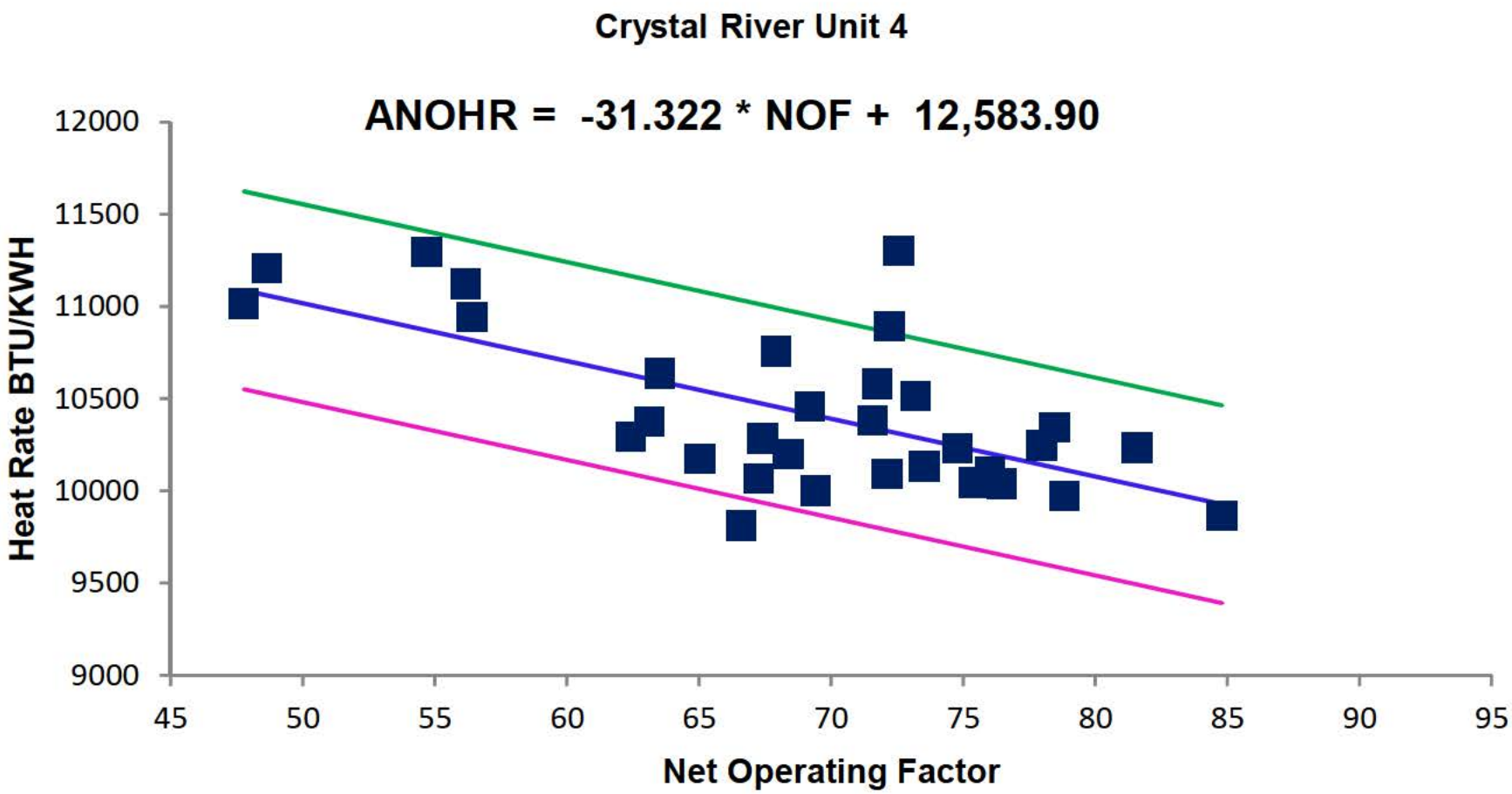
ANOHR = -31.322 * NOF + 12,583.90

TABLE OF RESIDUALS

DATE	OUTPUT FACTOR	ACT MONTHLY HEATRATE	PROJECTED HEATRATE	DIFFERENCE (ACT-PROJ)	HEAT RATE RANGE @90% CONFID
Jul-15	71.7	10,582	10,337	245.1	536.2
Aug-15	67.9	10,757	10,457	299.9	536.2
Sep-15	69.2	10,458	10,417	41.3	536.2
Oct-15	63.1	10,378	10,607	-229.4	536.2
Nov-15	56.4	10,943	10,817	125.6	536.2
Dec-15	47.8	11,014	11,088	-73.7	536.2
Jan-16	54.7	11,297	10,871	425.9	536.2
Feb-16	48.6	11,206	11,060	145.2	536.2
Apr-16	62.4	10,294	10,629	-335.2	536.2
May-16	56.2	11,124	10,824	299.3	536.2
Jun-16	78.5	10,344	10,126	217.6	536.2
Jul-16	84.8	9,862	9,928	-65.0	536.2
Aug-16	81.6	10,232	10,028	204.1	536.2
Sep-16	78.0	10,246	10,141	105.3	536.2
Oct-16	76.0	10,104	10,203	-99.6	536.2
Nov-16	65.0	10,176	10,547	-370.8	536.2
Dec-16	74.8	10,229	10,241	-12.1	536.2
Jan-17	67.4	10,282	10,473	-190.7	536.2
Feb-17	69.4	10,002	10,410	-408.5	536.2
Mar-17	78.8	9,972	10,115	-142.9	536.2
May-17	76.5	10,039	10,189	-150.8	536.2
Jun-17	73.2	10,516	10,291	224.4	536.2
Jul-17	71.6	10,383	10,343	40.9	536.2
Aug-17	75.4	10,047	10,222	-175.2	536.2
Sep-17	72.2	10,890	10,323	567.4	536.2
Oct-17	72.6	11,302	10,311	990.5	536.2
Dec-17	72.1	10,094	10,325	-231.1	536.2
Feb-18	67.3	10,068	10,477	-408.4	536.2
Mar-18	66.6	9,811	10,498	-687.4	536.2
Apr-18	63.5	10,637	10,594	42.7	536.2
May-18	68.4	10,198	10,442	-243.6	536.2
Jun-18	73.5	10,130	10,281	-150.8	536.2

Regression Output:

Constant	12583.90
Std Err of Y Est	331.1875096
R Squared	0.423948652
No. of Observations	32
Degrees of Freedom	30
X Coefficient	-31.32164928
Std Err of Coef.	6.665887262


Crystal River Unit 4
ANOHR = -31.322 * NOF + 12,583.90
Heat Rate BTU/KWH
12000
11500
11000
10500
10000
9500
9000
45
50
55
60
65
70
75
80
85
90
95
Net Operating Factor

DUKE ENERGY FLORIDA

Crystal River Unit 5

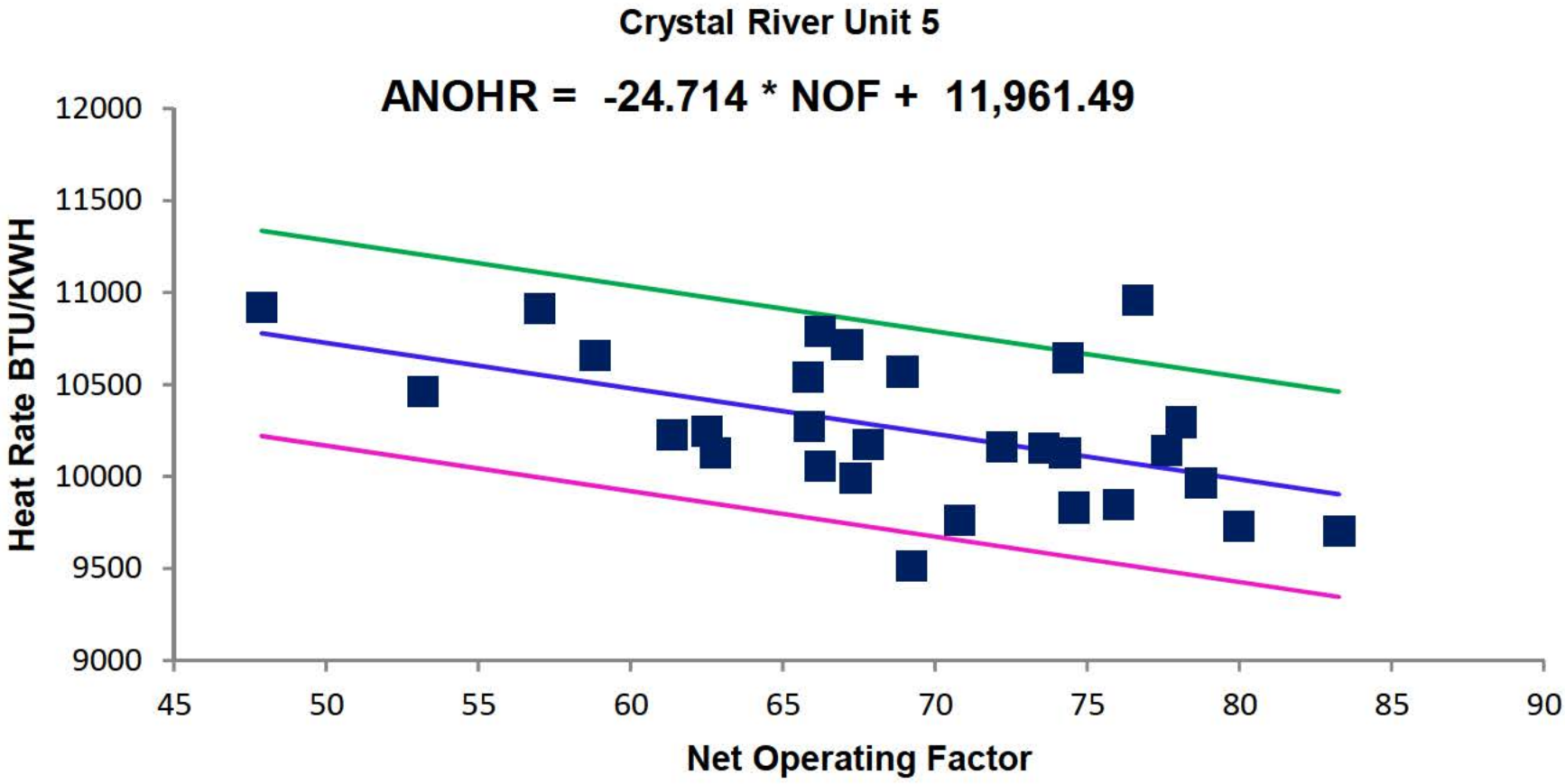
ANOHR = -24.714 * NOF + 11,961.49

TABLE OF RESIDUALS

DATE	OUTPUT FACTOR	ACT MONTHLY HEATRATE	PROJECTED HEATRATE	DIFFERENCE (ACT-PROJ)	HEAT RATE RANGE @90% CONFID
Jul-15	68.9	10,571	10,258	313.2	557.9
Aug-15	67.1	10,718	10,303	415.5	557.9
Sep-15	65.8	10,541	10,335	205.9	557.9
Oct-15	62.5	10,245	10,417	-172.3	557.9
Feb-16	47.9	10,921	10,778	142.2	557.9
Mar-16	53.2	10,460	10,647	-186.4	557.9
Apr-16	61.4	10,224	10,445	-220.8	557.9
May-16	57.0	10,912	10,553	359.8	557.9
Jun-16	77.6	10,140	10,043	96.9	557.9
Jul-16	83.3	9,705	9,903	-198.3	557.9
Aug-16	78.1	10,296	10,031	264.6	557.9
Sep-16	69.2	9,512	10,251	-738.5	557.9
Oct-16	65.9	10,272	10,333	-61.1	557.9
Nov-16	62.8	10,128	10,410	-281.3	557.9
Dec-16	72.2	10,160	10,177	-17.6	557.9
Jan-17	67.8	10,176	10,285	-109.7	557.9
Feb-17	67.4	9,989	10,296	-307.7	557.9
Mar-17	70.8	9,762	10,211	-448.9	557.9
May-17	80.0	9,728	9,985	-256.5	557.9
Jun-17	73.6	10,155	10,143	12.5	557.9
Jul-17	78.7	9,965	10,016	-50.9	557.9
Aug-17	76.0	9,848	10,082	-234.2	557.9
Sep-17	74.4	10,648	10,124	523.5	557.9
Oct-17	76.7	10,960	10,067	892.8	557.9
Feb-18	66.2	10,058	10,325	-267.2	557.9
Mar-18	74.6	9,831	10,119	-288.2	557.9
Apr-18	66.2	10,787	10,325	462.4	557.9
May-18	58.8	10,656	10,508	148.6	557.9
Jun-18	74.3	10,128	10,126	1.9	557.9

Regression Output:

Constant	11961.49
Std Err of Y Est	345.1439406
R Squared	0.268349107
No. of Observations	29
Degrees of Freedom	27
X Coefficient	-24.71398165
Std Err of Coef.	7.853490351


Crystal River Unit 5
ANOHR = -24.714 * NOF + 11,961.49
Heat Rate BTU/KWH
12000
11500
11000
10500
10000
9500
9000
45
50
55
60
65
70
75
80
85
90
Net Operating Factor

DUKE ENERGY FLORIDA

Hines Unit 1

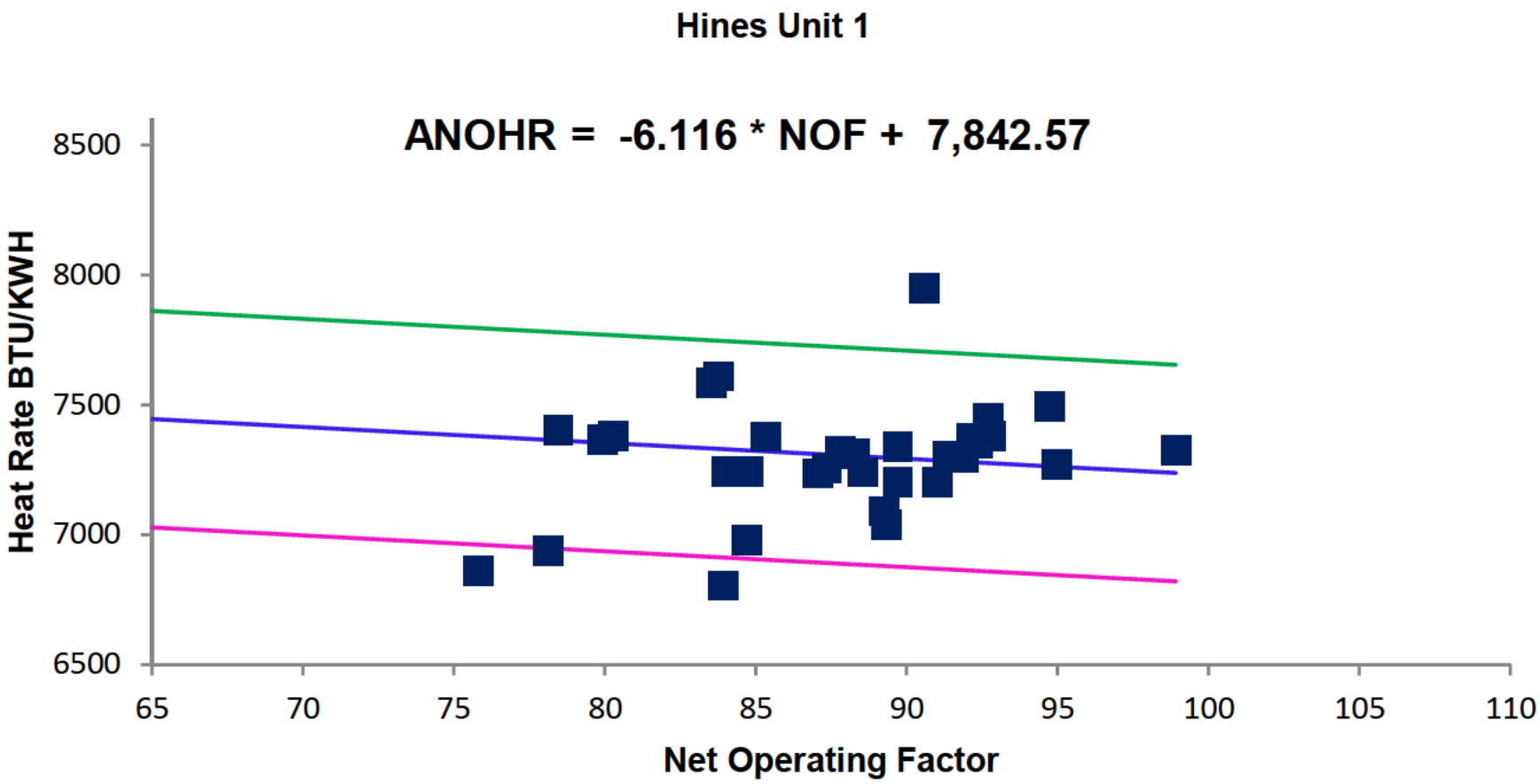
ANOHR = -6.116 * NOF + 7,842.57

TABLE OF RESIDUALS

DATE	OUTPUT FACTOR	ACT MONTHLY HEATRATE	PROJECTED HEATRATE	DIFFERENCE (ACT-PROJ)	HEAT RATE RANGE @90% CONFID
Jul-15	94.8	7,493	7,263	230.2	416.6
Aug-15	92.2	7,372	7,279	93.2	416.6
Sep-15	95.0	7,271	7,262	9.8	416.6
Oct-15	98.9	7,327	7,238	89.9	416.6
Nov-15	92.7	7,449	7,276	173.7	416.6
Dec-15	90.6	7,949	7,289	660.7	416.6
Jan-16	89.3	7,090	7,297	-206.9	416.6
Feb-16	89.4	7,038	7,296	-257.9	416.6
Mar-16	83.8	7,608	7,330	278.2	416.6
May-16	80.3	7,380	7,352	28.5	416.6
Jun-16	83.6	7,583	7,332	251.8	416.6
Jul-16	84.1	7,243	7,329	-85.2	416.6
Aug-16	87.1	7,236	7,310	-73.6	416.6
Sep-16	84.8	7,244	7,324	-80.2	416.6
Oct-16	83.9	6,803	7,329	-526.2	416.6
Nov-16	84.7	6,980	7,324	-344.3	416.6
Dec-16	78.1	6,938	7,365	-426.2	416.6
Jan-17	75.8	6,861	7,379	-518.1	416.6
Feb-17	87.4	7,256	7,308	-51.9	416.6
Mar-17	89.7	7,204	7,294	-90.1	416.6
May-17	59.7	8,071	7,478	593.1	416.6
Jun-17	79.9	7,368	7,354	14.6	416.6
Jul-17	85.4	7,377	7,320	56.6	416.6
Aug-17	88.3	7,310	7,303	7.6	416.6
Sep-17	88.6	7,240	7,301	-60.8	416.6
Oct-17	89.7	7,338	7,294	44.4	416.6
Dec-17	78.5	7,403	7,363	40.1	416.6
Jan-18	91.0	7,201	7,286	-85.1	416.6
Feb-18	91.4	7,301	7,284	17.3	416.6
Mar-18	92.4	7,354	7,278	76.2	416.6
Apr-18	91.9	7,300	7,280	19.7	416.6
May-18	87.8	7,323	7,306	17.2	416.6
Jun-18	92.8	7,379	7,275	103.7	416.6

Regression Output:

Constant	7842.57
Std Err of Y Est	257.1660041
R Squared	0.029431342
No. of Observations	33
Degrees of Freedom	31
X Coefficient	-6.115924617
Std Err of Coef.	6.307966476


Hines Unit 1
ANOHR = -6.116 * NOF + 7,842.57
Heat Rate BTU/KWH
8500
8000
7500
7000
6500
65
70
75
80
85
90
95
100
105
110
Net Operating Factor

DUKE ENERGY FLORIDA

Hines Unit 2

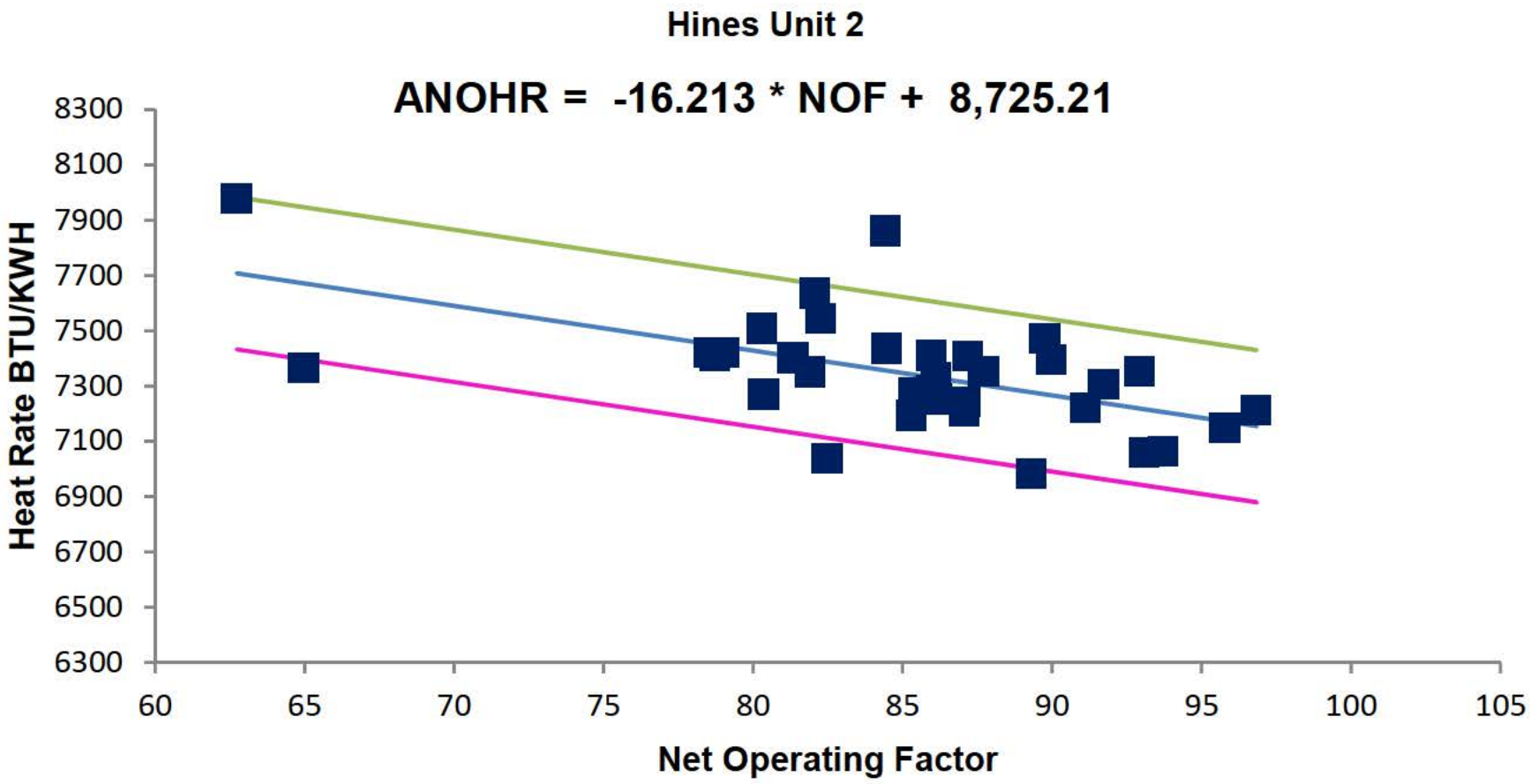
ANOHR = -16.213 * NOF + 8,725.21

TABLE OF RESIDUALS

DATE	OUTPUT FACTOR	ACT MONTHLY HEATRATE	PROJECTED HEATRATE	DIFFERENCE (ACT-PROJ)	HEAT RATE RANGE @90% CONFID
Jul-15	95.8	7,147	7,172	-24.9	275.4
Aug-15	93.7	7,061	7,206	-144.6	275.4
Sep-15	89.3	6,985	7,277	-292.8	275.4
Oct-15	96.8	7,212	7,155	56.5	275.4
Nov-15	93.1	7,059	7,216	-156.6	275.4
Dec-15	92.9	7,352	7,219	133.1	275.4
Jan-16	81.3	7,402	7,407	-4.9	275.4
Feb-16	80.3	7,509	7,423	85.5	275.4
Mar-16	80.4	7,270	7,423	-153.0	275.4
Apr-16	87.1	7,241	7,313	-72.6	275.4
May-16	85.3	7,193	7,342	-148.7	275.4
Jun-16	87.1	7,210	7,314	-103.9	275.4
Jul-16	85.4	7,274	7,341	-66.8	275.4
Aug-16	87.7	7,353	7,303	50.1	275.4
Sep-16	84.4	7,861	7,356	504.6	275.4
Oct-16	86.1	7,299	7,329	-29.7	275.4
Nov-16	79.1	7,422	7,444	-22.0	275.4
Dec-16	65.0	7,365	7,672	-306.8	275.4
Jan-17	78.7	7,408	7,449	-40.9	275.4
Feb-17	78.5	7,421	7,452	-31.6	275.4
Mar-17	91.1	7,222	7,248	-26.2	275.4
Apr-17	82.3	7,543	7,392	151.8	275.4
May-17	81.9	7,350	7,397	-47.2	275.4
Jun-17	84.5	7,436	7,355	80.4	275.4
Jul-17	87.2	7,407	7,312	95.5	275.4
Aug-17	86.0	7,283	7,331	-48.5	275.4
Sep-17	82.1	7,636	7,395	241.1	275.4
Oct-17	62.7	7,978	7,708	270.3	275.4
Dec-17	86.1	7,332	7,329	2.7	275.4
Jan-18	86.2	7,253	7,328	-75.9	275.4
Feb-18	82.5	7,038	7,388	-350.0	275.4
Mar-18	91.7	7,306	7,238	67.6	275.4
Apr-18	90.0	7,396	7,266	129.9	275.4
May-18	86.0	7,410	7,331	78.3	275.4
Jun-18	89.8	7,470	7,270	200.4	275.4

Regression Output:

Constant	8725.21
Std Err of Y Est	169.8814229
R Squared	0.32429828
No. of Observations	35
Degrees of Freedom	33
X Coefficient	-16.21251654
Std Err of Coef.	4.073790134


Hines Unit 2
ANOHR = -16.213 * NOF + 8,725.21
Heat Rate BTU/KWH
8300
8100
7900
7700
7500
7300
7100
6900
6700
6500
6300
60
65
70
75
80
85
90
95
100
105
Net Operating Factor

DUKE ENERGY FLORIDA

Hines Unit 3

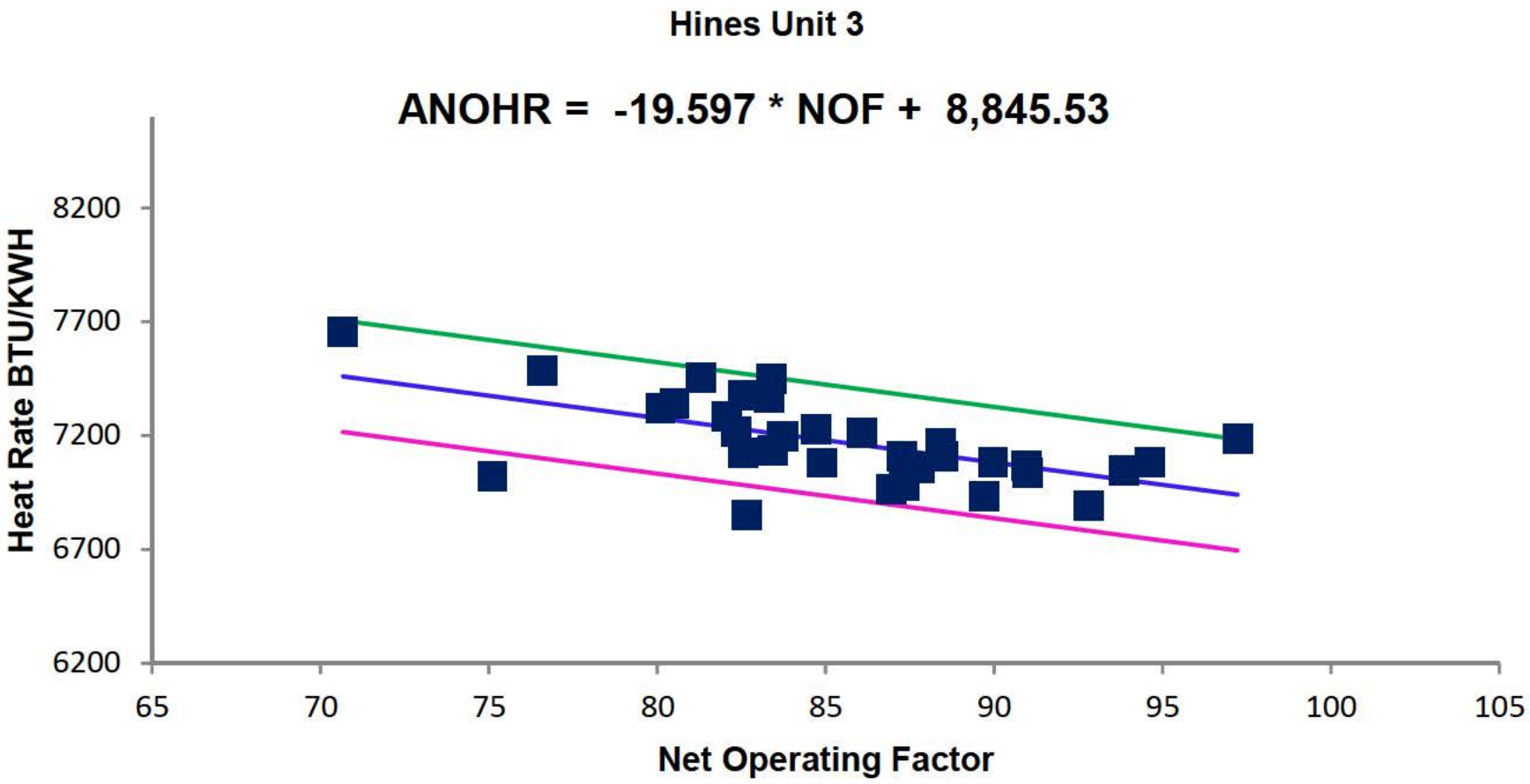
ANOHR = -19.597 * NOF + 8,845.53

TABLE OF RESIDUALS

DATE	OUTPUT FACTOR	ACT MONTHLY HEATRATE	PROJECTED HEATRATE	DIFFERENCE (ACT-PROJ)	HEAT RATE RANGE @90% CONFID
Jul-15	94.6	7,082	6,991	91.2	244.5
Aug-15	93.9	7,046	7,006	39.8	244.5
Oct-15	97.2	7,187	6,940	247.3	244.5
Nov-15	92.8	6,893	7,027	-133.9	244.5
Dec-15	91.0	7,068	7,063	5.0	244.5
Jan-16	86.1	7,213	7,159	54.7	244.5
Feb-16	82.1	7,285	7,237	47.2	244.5
Mar-16	82.4	7,218	7,232	-13.4	244.5
Apr-16	83.7	7,198	7,205	-6.7	244.5
Jun-16	81.3	7,457	7,252	204.9	244.5
Jul-16	84.7	7,225	7,185	39.3	244.5
Aug-16	87.0	6,966	7,142	-175.8	244.5
Sep-16	82.7	6,850	7,225	-375.0	244.5
Oct-16	76.6	7,485	7,345	140.1	244.5
Nov-16	70.7	7,656	7,461	195.5	244.5
Dec-16	80.1	7,320	7,276	44.3	244.5
Jan-17	82.6	7,376	7,228	148.2	244.5
Feb-17	82.6	7,124	7,227	-103.2	244.5
Apr-17	84.9	7,080	7,182	-101.2	244.5
May-17	80.5	7,342	7,268	74.4	244.5
Jun-17	83.4	7,132	7,211	-78.6	244.5
Jul-17	87.3	7,106	7,135	-29.8	244.5
Aug-17	90.0	7,082	7,082	-0.1	244.5
Sep-17	75.1	7,020	7,374	-353.1	244.5
Oct-17	89.7	6,934	7,087	-153.4	244.5
Dec-17	87.3	6,978	7,134	-156.0	244.5
Jan-18	83.4	7,447	7,211	235.6	244.5
Feb-18	83.3	7,365	7,212	153.1	244.5
Mar-18	87.8	7,060	7,125	-64.8	244.5
Apr-18	88.4	7,166	7,113	52.6	244.5
May-18	88.5	7,107	7,111	-4.5	244.5
Jun-18	91.0	7,038	7,062	-23.7	244.5

Regression Output:

Constant	8845.53
Std Err of Y Est	150.9842498
R Squared	0.363689616
No. of Observations	32
Degrees of Freedom	30
X Coefficient	-19.59671034
Std Err of Coef.	4.732510662


Hines Unit 3
ANOHR = -19.597 * NOF + 8,845.53
Heat Rate BTU/KWH
8200
7700
7200
6700
6200
65
70
75
80
85
90
95
100
105
Net Operating Factor

DUKE ENERGY FLORIDA

Hines Unit 4

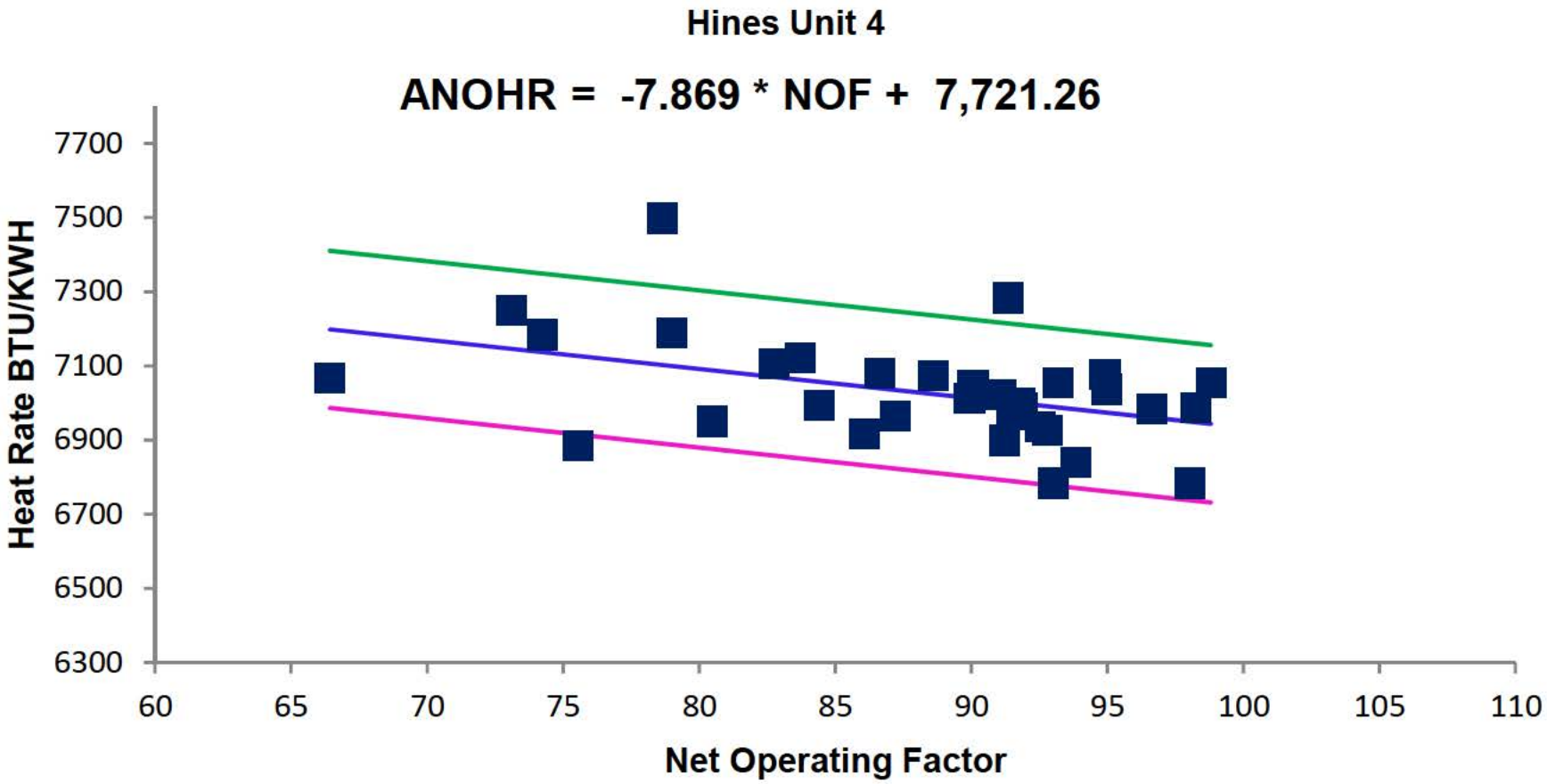
ANOHR = -7.869 * NOF + 7,721.26

TABLE OF RESIDUALS

DATE	OUTPUT FACTOR	ACT MONTHLY HEATRATE	PROJECTED HEATRATE	DIFFERENCE (ACT-PROJ)	HEAT RATE RANGE @90% CONFID
Jul-15	98.8	7,055	6,944	111.7	211.9
Aug-15	98.3	6,988	6,948	40.1	211.9
Sep-15	96.7	6,982	6,961	21.4	211.9
Oct-15	78.7	7,498	7,102	396.1	211.9
Nov-15	75.6	6,885	7,127	-241.2	211.9
Dec-15	93.0	6,784	6,989	-205.6	211.9
Jan-16	92.5	6,937	6,993	-56.3	211.9
Feb-16	91.8	7,001	6,999	1.8	211.9
Mar-16	91.5	6,969	7,001	-32.5	211.9
Apr-16	90.1	7,047	7,012	35.1	211.9
May-16	74.2	7,184	7,137	46.6	211.9
Aug-16	83.7	7,122	7,062	59.8	211.9
Sep-16	86.1	6,915	7,044	-128.7	211.9
Oct-16	73.1	7,250	7,146	104.0	211.9
Nov-16	66.4	7,068	7,199	-131.0	211.9
Dec-16	79.0	7,189	7,100	89.3	211.9
Jan-17	91.4	7,283	7,002	281.1	211.9
Feb-17	90.0	7,013	7,013	-0.2	211.9
Mar-17	93.9	6,840	6,983	-142.5	211.9
Apr-17	88.6	7,074	7,024	49.6	211.9
May-17	80.5	6,951	7,088	-137.4	211.9
Jun-17	84.4	6,993	7,057	-63.9	211.9
Jul-17	82.8	7,105	7,070	34.8	211.9
Aug-17	86.7	7,079	7,039	40.0	211.9
Sep-17	91.9	6,986	6,998	-12.0	211.9
Oct-17	94.9	7,077	6,974	103.0	211.9
Dec-17	87.2	6,964	7,035	-70.4	211.9
Jan-18	92.8	6,925	6,991	-66.4	211.9
Feb-18	91.2	6,898	7,004	-105.1	211.9
Mar-18	98.0	6,783	6,950	-166.6	211.9
Apr-18	91.1	7,021	7,004	16.6	211.9
May-18	93.2	7,053	6,988	65.6	211.9
Jun-18	95.0	7,037	6,974	63.2	211.9

Regression Output:

Constant	7721.26
Std Err of Y Est	130.829427
R Squared	0.191255592
No. of Observations	33
Degrees of Freedom	31
X Coefficient	-7.869172666
Std Err of Coef.	2.906342559


Hines Unit 4
ANOHR = -7.869 * NOF + 7,721.26
Heat Rate BTU/KWH
7700
7500
7300
7100
6900
6700
6500
6300
60
65
70
75
80
85
90
95
100
105
110
Net Operating Factor

UNPLANNED OUTAGE RATE TABLES AND GRAPHS

Bartow
Unit 4

	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
PER HOURS	744.00	744.00	720.00	744 00	721.00	744.00	744.00	696.00	743.00	720.00	744.00	720 00	744.00	744.00	720.00	744.00	721.00	744.00
SER HOURS	716.81	690.70	670.45	516 38	585.59	680.70	648.71	645.84	548.91	375.56	440.49	612.16	730.81	736.37	700.33	529.72	429.97	653.16
RSH	13.83	12.27	15.47	9.75	14.49	5.32	28.26	36.95	23.14	0.00	4.59	0.00	0.00	0.00	0.00	19.78	0.00	28.24
UH	13.36	41.03	34 08	217 87	120.92	57.98	67.03	13.21	170.95	344.44	298.92	107 84	13.19	7.63	19.67	194.50	291.03	62.60
POH	0.00	0.00	18 24	217.87	120.92	0.00	0.00	0.00	170.95	340.93	288.85	107 84	0.00	0.00	0.00	0.00	0.00	0.00
FOH	9.56	19.19	0 00	0.00	0.00	2.51	67.03	13.21	0.00	3.51	5 33	0.00	13.19	7.08	19.67	112.38	291.03	62.60
MOH	3.80	21.84	15 84	0.00	0.00	55.47	0.00	0.00	0.00	0.00	4.74	0.00	0.00	0.56	0.00	82.12	0.00	0.00
PFOH	44.44	0.00	33 85	0.00	0.00	0.00	0.00	0.00	0.00	6.61	42.97	0.00	34.39	51.99	89.01	12.04	0.00	0.00
LRPF	137.54	0.00	193.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.41	0.00	297.87	163.49	44.29	179.07	0.00	0.00
EFOH	5.27	0.00	5.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 53	0.00	8.82	7.31	3.39	1.86	0.00	0.00
PMOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LRPM	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NPC	1160.00	1160.00	1160.00	1160 00	1160.00	1160.00	1162.00	1162.00	1162.00	1162.00	1162.00	1162.00	1162 00	1162.00	1162.00	1162.00	1162.00	1162.00

MONTHLY	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
FOR	1.32	2.70	0 00	0.00	0.00	0.37	9.37	2.00	0.00	0.93	1 20	0.00	1.77	0.95	2.73	17.50	40.36	8.75
MOR	0.53	3.07	2 31	0.00	0.00	7.53	0.00	0.00	0.00	0.00	1.06	0.00	0.00	0.08	0.00	13.42	0.00	0.00
PFOR	0.74	0.00	0 84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	1.21	0.99	0.48	0.35	0.00	0.00
PMOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EUOR	2.55	5.61	3.13	0.00	0.00	7.85	9.37	2.00	0.00	0.93	2.35	0.00	2.96	2.01	3.20	27.11	40.36	8.75
EUOF	2.50	5.51	2 99	0.00	0.00	7.79	9.01	1.90	0.00	0.49	1.43	0.00	2.96	2.01	3.20	26.39	40.36	8.41
POF	0.00	0.00	2 53	29.28	16.77	0.00	0.00	0.00	23.01	47.35	38.82	14 98	0.00	0.00	0.00	0.00	0.00	0.00
EAF	97.50	94.49	94.48	70.72	83.23	92.21	90.99	98.10	76.99	52.16	59.75	85 02	97.04	97.99	96.80	73.61	59.64	91.59

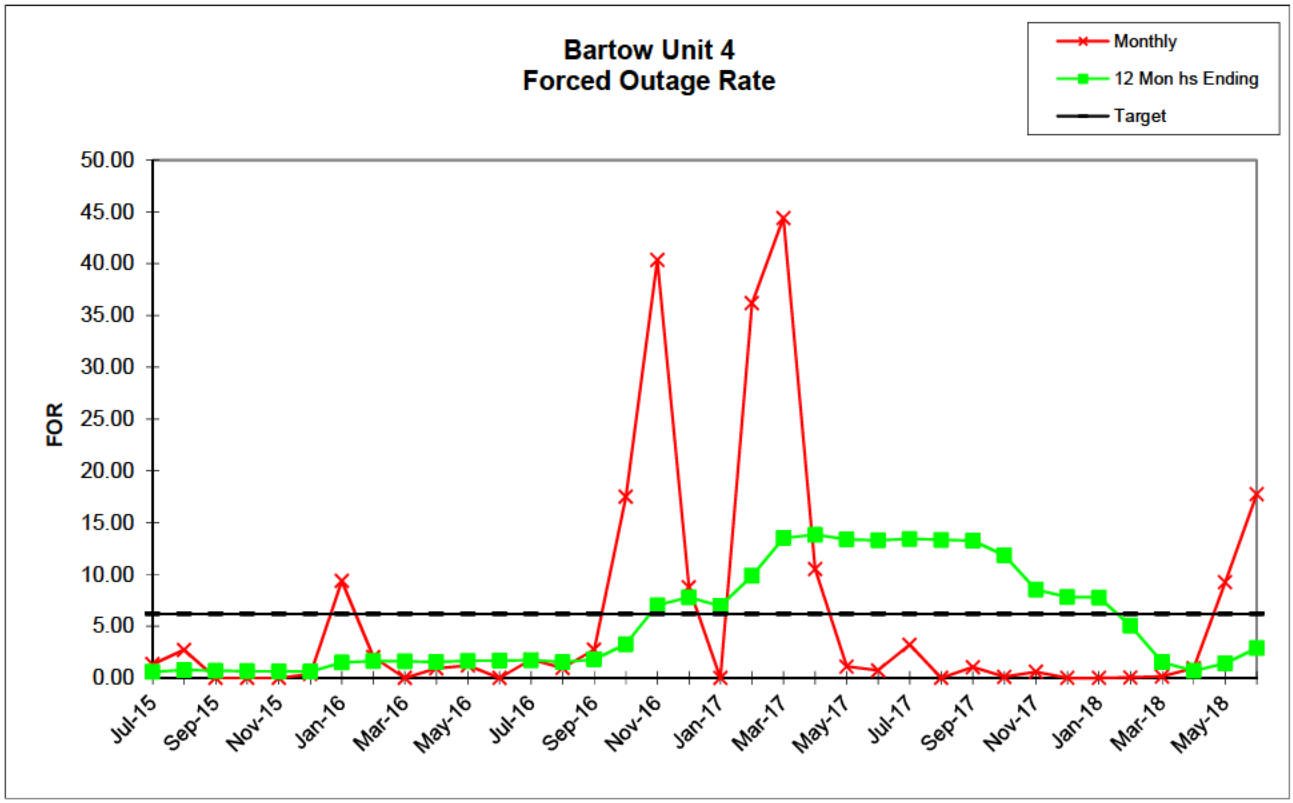
12 MONTHS	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
FOR	0.58	0.75	0.69	0.64	0.63	0.61	1.48	1.64	1.61	1.54	1.65	1.66	1.71	1.53	1.79	3.26	7.03	7.78
MOR	2.57	2.83	2 98	3.07	2.93	3.47	3.44	2.87	1.59	1.64	1.56	1.41	1.35	1.05	0.83	1.94	1.98	1.22
PFOR	0.24	0.22	0 27	0.26	0.26	0.25	0.25	0.24	0.24	0.25	0.18	0.16	0.21	0.31	0.28	0.30	0.31	0.31
PMOR	0.09	0.08	0 06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EUOR	3.45	3.84	3 96	3.99	3.83	4.33	5.11	4.71	3.43	3.42	3.33	3.17	3.21	2.86	2.86	5.36	9.02	9.11
EUOF	2.98	3.31	3.40	3.32	3.25	3.89	4.62	4.26	3.12	3.01	2 83	2.66	2.70	2.40	2.42	4.65	7.97	8.02
POF	10.72	10.72	10 93	13.42	12.33	8.21	7.55	7.52	6.93	9.89	13.18	14.41	14.41	14.41	14.20	11.72	10.34	10.34
EAF	86.30	85.97	85.67	83.26	84.42	87.89	87.84	88.22	89.95	87.09	83.99	82 93	82.90	83.19	83.38	83.63	81.69	81.64

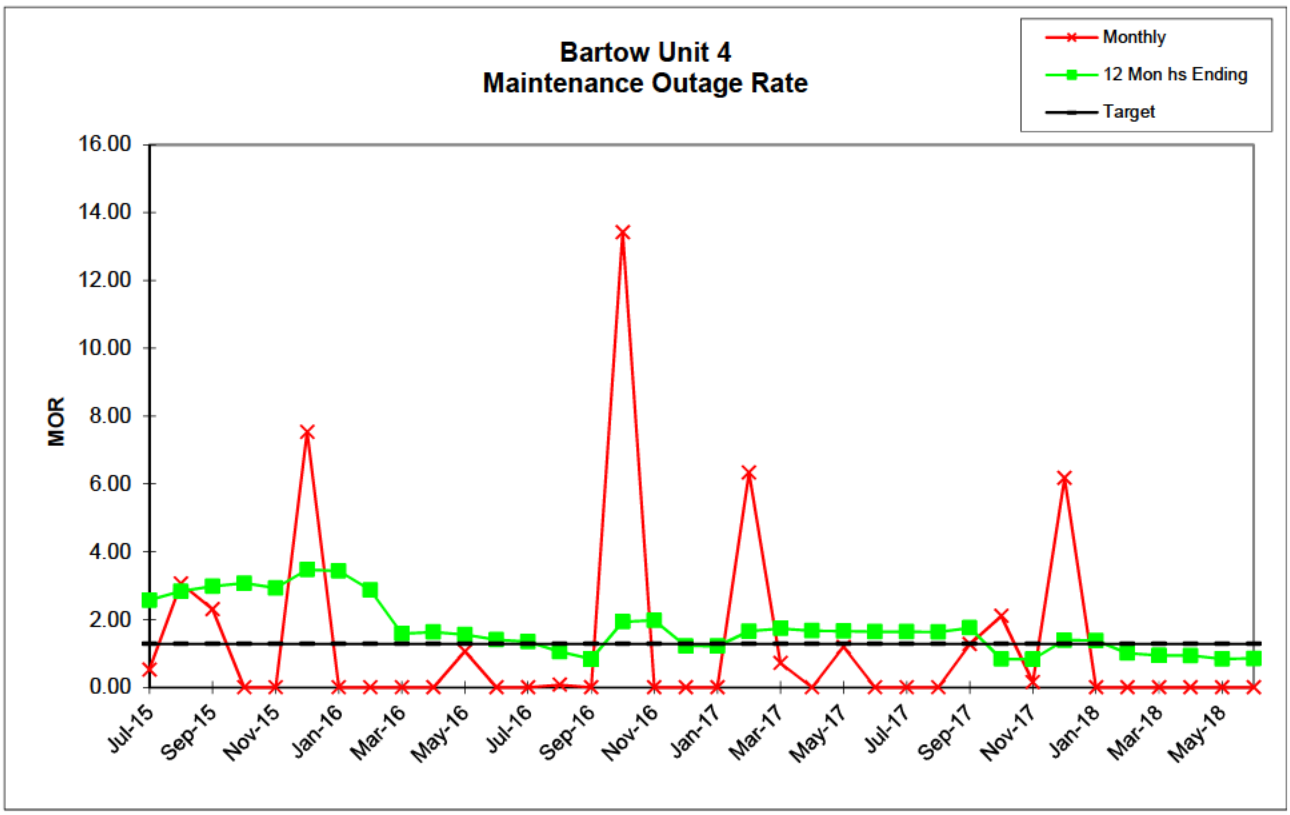
Bartow
Unit 4

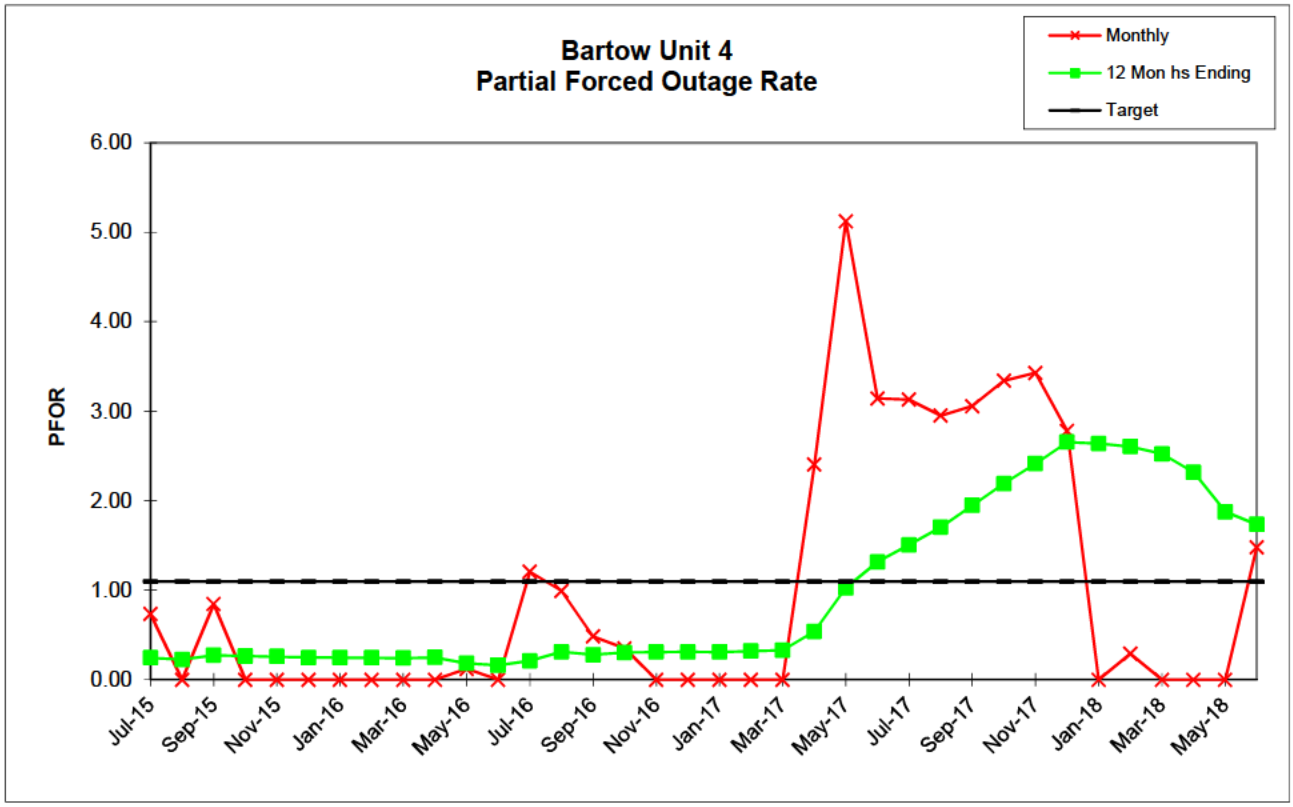
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
PER HOURS	744.00	672.00	743.00	720 00	744.00	720.00	744.00	744.00	720.00	744.00	721.00	744 00	744.00	672.00	743.00	720.00	744.00	720.00
SER HOURS	677.03	411.15	365.44	644 23	725.55	703.35	716.07	744.00	673.72	703.50	620.52	669 22	723.12	576.01	617.32	699.21	660.66	586.42
RSH	66.97	0.00	41.78	0.00	1.65	11.50	4.35	0.00	30.57	24.71	42.01	0.00	20.88	95.74	13.25	14.12	15.97	7.14
UH	0.00	260.85	335.78	75.77	16.80	5.15	23.58	0.00	15.71	15.79	58.47	74.78	0.00	0.25	112.43	6.67	67.37	126.44
POH	0.00	0.00	41 05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.82	30.75	0.00	0.00	111.65	0.00	0.00	0.00
FOH	0.00	233.06	292.09	75.77	8.01	5.15	23.58	0.00	7.01	0.67	3.68	0.00	0.00	0.25	0.78	6.67	67.37	126.44
MOH	0.00	27.79	2.65	0.00	8.79	0.00	0.00	0.00	8.70	15.12	0.97	44 03	0.00	0.00	0.00	0.00	0.00	0.00
PFOH	0.00	0.00	0 00	203.76	521.64	292.50	313.68	288.85	279.53	315.66	279.92	288 85	0.00	15.09	0.00	0.00	0.00	229.23
LRPF	0.00	0.00	0 00	84.00	78.74	83.49	78.98	84.00	81.39	82.28	84.00	71.19	0.00	120.02	0.00	0.00	0.00	40.82
EFOH	0.00	0.00	0 00	15.49	37.17	22.10	22.42	21.96	20.59	23.50	21.28	18.61	0.00	1.68	0.00	0.00	0.00	8.66
PMOH	0.00	0.00	0 00	0.00	22.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LRPM	0.00	0.00	0 00	0.00	46.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMOH	0.00	0.00	0 00	0.00	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NPC	1105.00	1105.00	1105.00	1105 00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1105.00	1080 00	1080.00	1080.00	1080.00	1080.00	1080.00

MONTHLY	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-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
FOR	0.00	36.18	44.42	10.52	1.09	0.73	3.19	0.00	1.03	0.10	0.59	0.00	0.00	0.04	0.13	0.94	9.25	17.74
MOR	0.00	6.33	0.72	0.00	1.20	0.00	0.00	0.00	1.27	2.10	0.16	6.17	0.00	0.00	0.00	0.00	0.00	0.00
PFOR	0.00	0.00	0 00	2.40	5.12	3.14	3.13	2.95	3.06	3.34	3.43	2.78	0.00	0.29	0.00	0.00	0.00	1.48
PMOR	0.00	0.00	0 00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EUOR	0.00	38.82	44.65	12.67	7.40	3.85	6.22	2.95	5.26	5.46	4.15	8.78	0.00	0.33	0.13	0.94	9.25	18.95
EUOF	0.00	38.82	39.67	12.67	7.38	3.78	6.18	2.95	5.04	5.28	3.60	8.42	0.00	0.29	0.10	0.93	9.06	18.76
POF	0.00	0.00	5 52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.46	4.13	0.00	0.00	15.03	0.00	0.00	0.00
EAF	100.00	61.18	54 81	87.33	92.62	96.22	93.82	97.05	94.96	94.72	88.94	87.45	100.00	99.71	84.87	99.07	90.94	81.24

12 MONTHS	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-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
FOR	6.94	9.85	13 50	13.83	13.38	13.29	13.42	13.34	13.25	11.83	8.52	7.82	7.77	5.03	1.52	0.68	1.40	2.87
MOR	1.22	1.66	1.74	1.67	1.66	1.64	1.64	1.64	1.76	0.84	0.83	1.39	1.38	1.01	0.95	0.94	0.84	0.85
PFOR	0.31	0.32	0 33	0.54	1.03	1.32	1.50	1.70	1.95	2.19	2.42	2.65	2.64	2.60	2.52	2.32	1.88	1.74
PMOR	0.00	0.00	0 00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
EUOR	8.28	11.48	15 09	15.53	15.52	15.66	15.95	16.03	16.25	14.41	11.42	11.43	11.37	8.40	4.91	3.90	4.05	5.35
EUOF	7.26	10.10	13.47	14.47	14.97	15.29	15.56	15.64	15.79	14.00	10.97	10 97	10.97	8.02	4.66	3.69	3.84	5.07
POF	10.34	10.37	8 89	5.00	1.70	0.47	0.47	0.47	0.47	0.47	1.08	1.43	1.43	1.43	2.24	2.24	2.24	2.24
EAF	82.40	79.53	77.64	80.53	83.33	84.25	83.97	83.89	83.74	85.53	87.95	87 59	87.59	90.55	93.10	94.07	93.92	92.69


Bartow Unit 4
Forced Outage Rate
Monthly
12 Mon hs Ending
Target
FOR
50.00
45.00
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Bartow Unit 4
Maintenance Outage Rate
Monthly
12 Mon hs Ending
Target
MOR
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Bartow Unit 4
Partial Forced Outage Rate
Monthly
12 Mon hs Ending
Target
PFOR
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
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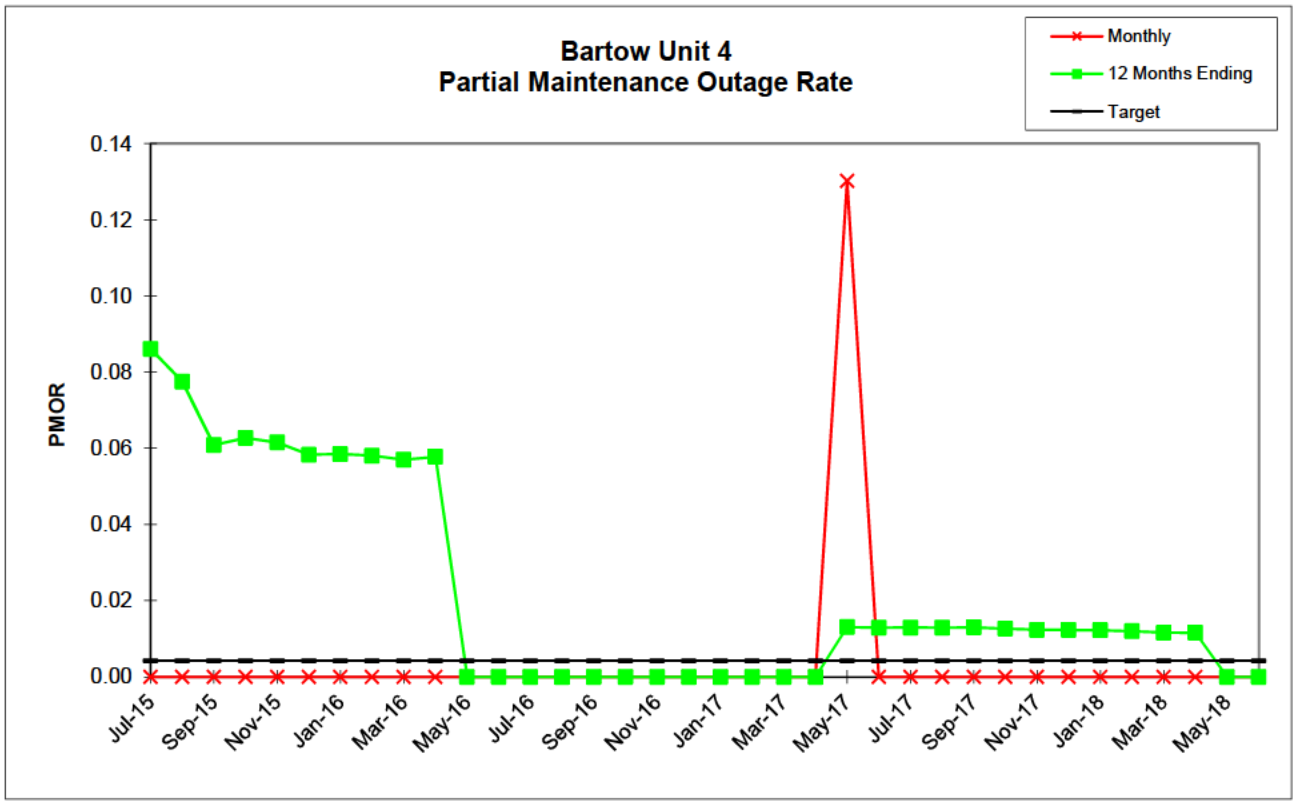
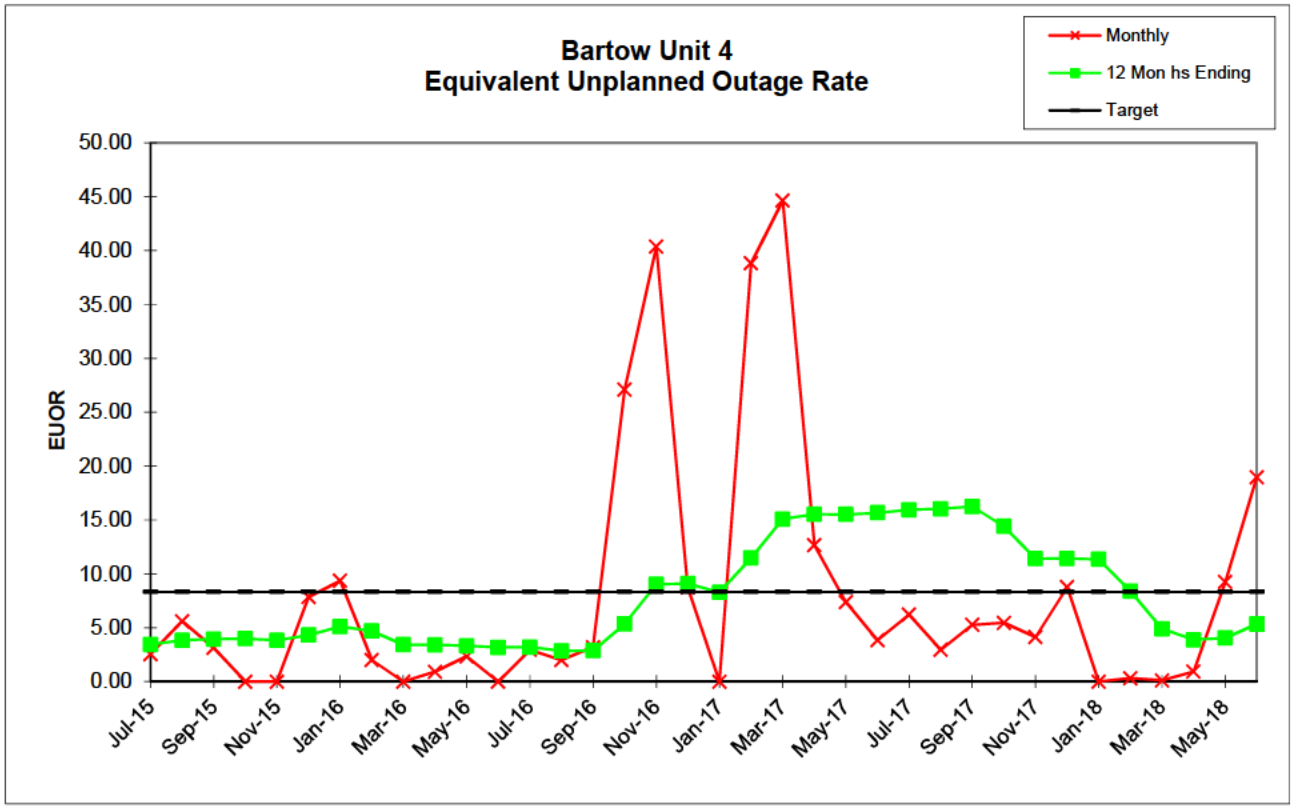
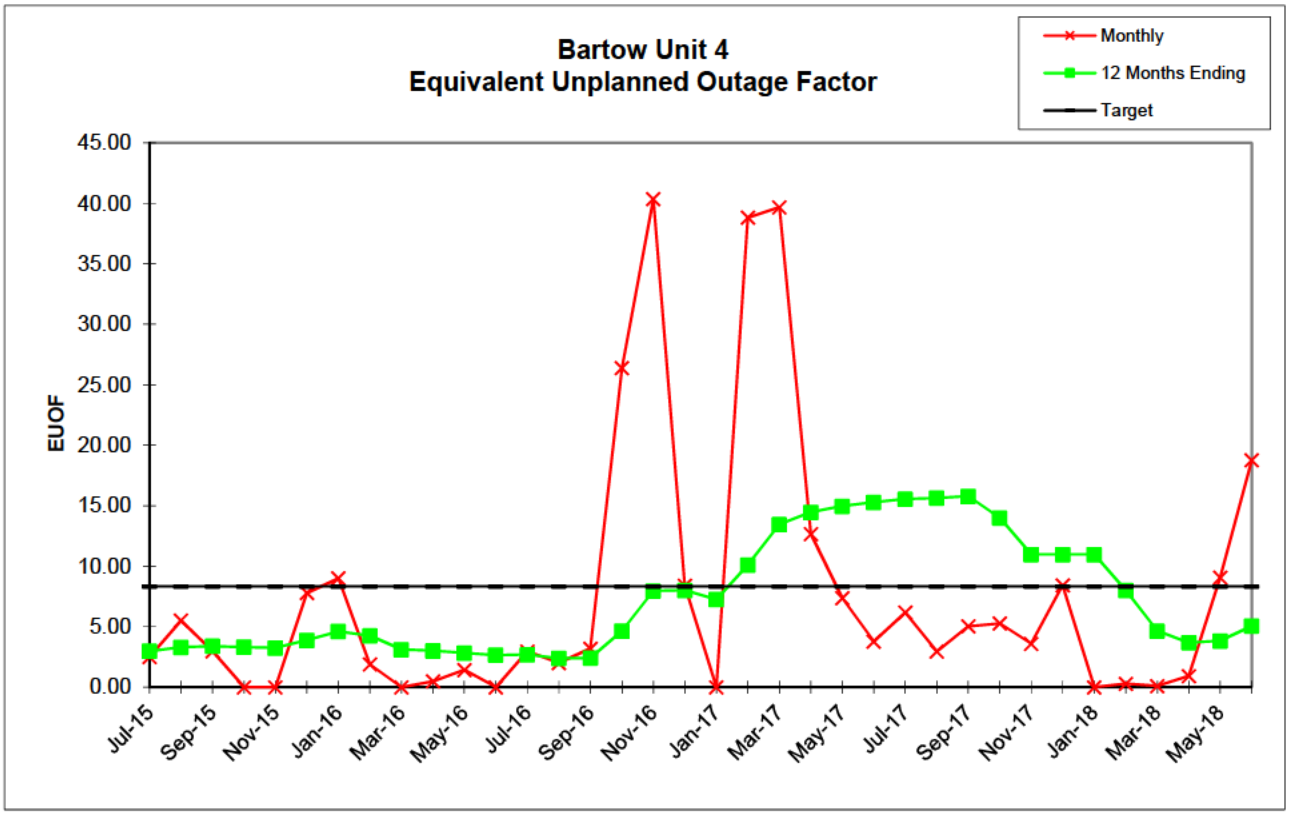
Nov-17
Jan-18
Mar-18
May-18


Bartow Unit 4
Partial Maintenance Outage Rate
Monthly
12 Months Ending
Target
PMOR
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Bartow Unit 4
Equivalent Unplanned Outage Rate
Monthly
12 Mon hs Ending
Target
EUOR
50.00
45.00
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Bartow Unit 4
Equivalent Unplanned Outage Factor
Monthly
12 Months Ending
Target
EUOF
45.00
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18

Crystal River
Unit 4

	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
PER HOURS	744.00	744.00	720.00	744 00	721.00	744.00	744.00	696.00	743.00	720.00	744.00	720 00	744.00	744.00	720.00	744.00	721.00	744.00	744.00	672.00	743.00
SER HOURS	744.00	744.00	720.00	739.68	608.77	744.00	723.07	613.65	83.77	720.00	498.87	720 00	714.50	744.00	720.00	744.00	629.25	744.00	648.70	650.33	696.37
RSH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
UH	0.00	0.00	0 00	4.32	112.23	0.00	20.93	82.35	659.23	0.00	245.13	0.00	29.50	0.00	0.00	0.00	91.75	0.00	95.30	21.67	46.63
POH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	82.35	659.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
FOH	0.00	0.00	0 00	4.32	0.00	0.00	20.93	0.00	0.00	0.00	0.00	0.00	29.50	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
MOH	0.00	0.00	0 00	0.00	112.23	0.00	0.00	0.00	0.00	0.00	245.13	0.00	0.00	0.00	0.00	0.00	91.75	0.00	95.30	21.67	46.63
PFOH	0.00	21.42	0 00	7.08	0.00	0.00	0.00	0.00	0.00	1.17	10.10	0.25	30.58	81.28	29.98	13.12	0.00	0.00	21.14	13 98	13.47
LRPF	0.00	252.79	0 00	108 03	0.00	0.00	0.00	0.00	0.00	92.74	284.00	65 00	175.02	164.65	401.81	98.29	0.00	0.00	155.46	61 94	92.98
EFOH	0.00	7.61	0 00	1.07	0.00	0.00	0.00	0.00	0.00	0.15	4.03	0.02	7.52	18.80	16.92	1.81	0.00	0.00	4.62	1 22	1.76
PMOH	4.00	20.65	35.71	174.62	31.26	0.00	2.00	17.28	54.67	45.96	3.00	13.67	32.80	21.58	75.60	73.23	41.23	6.22	4.50	14 81	7.00
LRPM	65.00	198.85	67.41	127 94	191.25	0.00	93.00	173.96	92.99	96.52	65.00	65.62	256.86	127.97	121.35	93.00	106.12	92.95	93.00	249.04	93.00
EMOH	0.37	5.77	3 38	31.38	8.40	0.00	0.26	4.22	7.14	6.23	0.27	1.26	11.83	3.88	12.89	9.57	6.15	0.81	0.59	5.18	0.91
NPC	712.00	712.00	712.00	712 00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712 00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00

MONTHLY	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**	**Jan-17**	**Feb-17**	**Mar-17**
FOR	0.00	0.00	0 00	0.58	0.00	0.00	2.81	0.00	0.00	0.00	0.00	0.00	3.97	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
MOR	0.00	0.00	0 00	0.00	15.57	0.00	0.00	0.00	0.00	0.00	32.95	0.00	0.00	0.00	0.00	0.00	12.73	0.00	12.81	3 22	6.28
PFOR	0.00	1.02	0 00	0.15	0.00	0.00	0.00	0.00	0.00	0.02	0 81	0.00	1.05	2.53	2.35	0.24	0.00	0.00	0.71	0.19	0.25
PMOR	0.05	0.78	0.47	4.24	1.38	0.00	0.04	0.69	8.52	0.87	0 05	0.17	1.66	0.52	1.79	1.29	0.98	0.11	0.09	0 80	0.13
EUOR	0.05	1.80	0.47	4.94	16.73	0.00	2.85	0.69	8.52	0.89	33.53	0.18	6.57	3.05	4.14	1.53	13.58	0.11	13.51	4.18	6.64
EUOF	0.05	1.80	0.47	4.94	16.73	0.00	2.85	0.61	0.96	0.89	33.53	0.18	6.57	3.05	4.14	1.53	13.58	0.11	13.51	4.18	6.64
POF	0.00	0.00	0 00	0.00	0.00	0.00	0.00	11.83	88.73	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
EAF	99.95	98.20	99 53	95.06	83.27	100.00	97.15	87.56	10.31	99.11	66.47	99 82	93.43	96.95	95.86	98.47	86.42	99.89	86.49	95 82	93.36

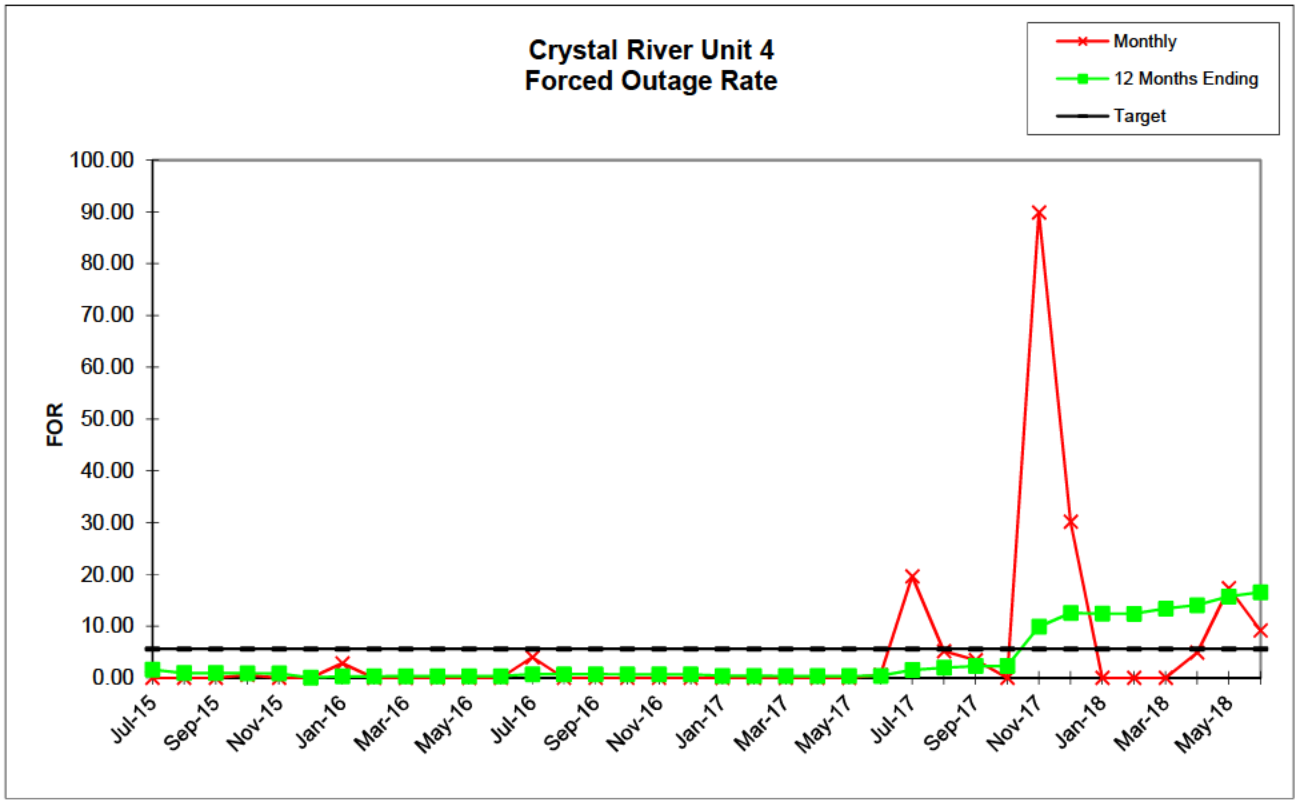
12 MONTHS	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**	**Jan-17**	**Feb-17**	**Mar-17**
FOR	1.60	0.90	0 90	0.89	0.85	0.05	0.30	0.30	0.32	0.32	0 33	0.33	0.71	0.71	0.71	0.66	0.65	0.65	0.39	0 39	0.36
MOR	1.92	1.91	1 91	1.91	3.11	3.09	2.31	2.32	2.51	2.51	4 93	4.46	4.47	4.47	4.47	4.47	4.22	4.22	5.39	5.62	5.73
PFOR	0.27	0.36	0 36	0.37	0.36	0.35	0.35	0.29	0.28	0.16	0 22	0.17	0.27	0.41	0.64	0.65	0.64	0.64	0.71	0.72	0.69
PMOR	1.05	1.08	1.13	1.33	1.38	1.27	1.25	1.31	1.42	1.29	0 94	0.90	1.05	1.03	1.15	0.86	0.83	0.84	0.86	0 86	0.72
EUOR	4.73	4.18	4 22	4.42	5.58	4.71	4.14	4.16	4.47	4.23	6 33	5.77	6.37	6.49	6.82	6.50	6.22	6.23	7.22	7.46	7.38
EUOF	4.53	4.00	4 04	4.23	5.58	4.71	4.14	4.12	4.09	3.88	5.79	5.28	5.84	5.94	6.24	5.95	5.70	5.70	6.61	6 90	7.38
POF	4.34	4.34	4 34	4.34	0.00	0.00	0.00	0.94	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	7 53	0.00
EAF	91.14	91.67	91.63	91.44	94.42	95.29	95.86	94.95	87.47	87.68	85.76	86 27	85.72	85.62	85.31	85.60	85.86	85.85	84.95	85 58	92.62

Crystal River
Unit 4

	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
PER HOURS	720.00	744.00	720.00	744 00	744.00	720.00	744.00	721.00	744.00	744.00	672.00	743 00	720.00	744.00	720.00
SER HOURS	720.00	744.00	712.65	505 35	705.75	695.30	744.00	72.78	519.57	744.00	672.00	47.78	482.33	615.00	654.25
RSH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00
UH	0.00	0.00	7 35	238.65	38.25	24.70	0.00	648.22	224.43	0.00	0.00	695 22	237.67	129.00	65.75
POH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	695 22	211.03	0.00	0.00
FOH	0.00	0.00	4.15	123.38	38.25	24.70	0.00	648.22	224.43	0.00	0.00	0.00	24.63	129.00	65.75
MOH	0.00	0.00	3 20	115.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00
PFOH	8.40	36.78	2 51	77.98	9.00	90.28	0.92	0.00	0.83	65.74	6.48	0.00	5.95	39.72	0.00
LRPF	89.23	97.16	164.06	494.02	93.00	334.75	92.66	0.00	93.37	339.02	93.05	0.00	93.00	106.76	0.00
EFOH	1.05	5.02	0 58	54.11	1.18	42.45	0.12	0.00	0.11	31.30	0.85	0.00	0.78	5.96	0.00
PMOH	46.03	40.05	9.76	0.00	0.00	5.73	1.63	0.00	0.00	0.00	0 00	0.00	34.08	13.35	0.00
LRPM	217.53	93.00	93 06	0.00	0.00	93.05	561.15	0.00	0.00	0.00	0 00	0.00	160.04	331.00	0.00
EMOH	14.06	5.23	1 28	0.00	0.00	0.75	1.28	0.00	0.00	0.00	0 00	0.00	7.66	6.21	0.00
NPC	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712.00	712 00	712.00	712.00	712.00

MONTHLY	**Apr-17**	**May-17**	**Jun-17**	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**	**Jun-18**
FOR	0.00	0.00	0 58	19.62	5.14	3.43	0.00	89.91	30.17	0.00	0.00	0.00	4.86	17.34	9.13
MOR	0.00	0.00	0.45	18.57	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.41	0.00	0.00
PFOR	0.15	0.67	0 08	10.71	0.17	6.10	0.02	0.00	0.02	4.21	0.13	0.00	0.16	0.97	0.00
PMOR	1.95	0.70	0.18	0.00	0.00	0.11	0.17	0.00	0.00	0.00	0 00	0.00	1.59	1.01	0.00
EUOR	2.10	1.38	1 28	39.35	5.30	9.43	0.19	89.91	30.18	4.21	0.13	0.00	6.89	18.97	9.13
EUOF	2.10	1.38	1 28	39.35	5.30	9.43	0.19	89.91	30.18	4.21	0.13	0.00	4.87	18.97	9.13
POF	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	93 57	29.31	0.00	0.00
EAF	97.90	98.62	98.72	60.65	94.70	90.57	99.81	10.09	69.82	95.79	99.87	6.43	65.82	81.03	90.87

12 MONTHS	**Apr-17**	**May-17**	**Jun-17**	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**	**Jun-18**
FOR	0.36	0.35	0.40	1.52	1.98	2.27	2.27	9.89	12.54	12.40	12.37	13 38	14.07	15.73	16.52
MOR	5.73	2.92	2 96	4.33	4.35	4.36	4.36	3.56	3.66	2.43	2.15	1.69	1.78	1.82	1.78
PFOR	0.70	0.69	0.70	1.28	1.07	1.39	1.37	1.47	1.51	1.85	1 84	1.99	2.05	2.11	2.12
PMOR	0.82	0.85	0 85	0.73	0.69	0.54	0.44	0.39	0.39	0.38	0 31	0.33	0.24	0.26	0.25
EUOR	7.48	4.75	4 84	7.62	7.81	8.25	8.14	14.42	16.97	16.18	15.87	16.63	17.33	19.00	19.72
EUOF	7.48	4.75	4 84	7.62	7.81	8.25	8.14	14.42	16.97	16.18	15.87	15 31	15.54	17.03	17.68
POF	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	7.94	10.35	10.35	10.35
EAF	92.52	95.25	95.16	92.38	92.19	91.75	91.86	85.58	83.03	83.82	84.13	76.76	74.12	72.62	71.98


Crystal River Unit 4
Forced Outage Rate
Monthly
12 Months Ending
Target
FOR
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
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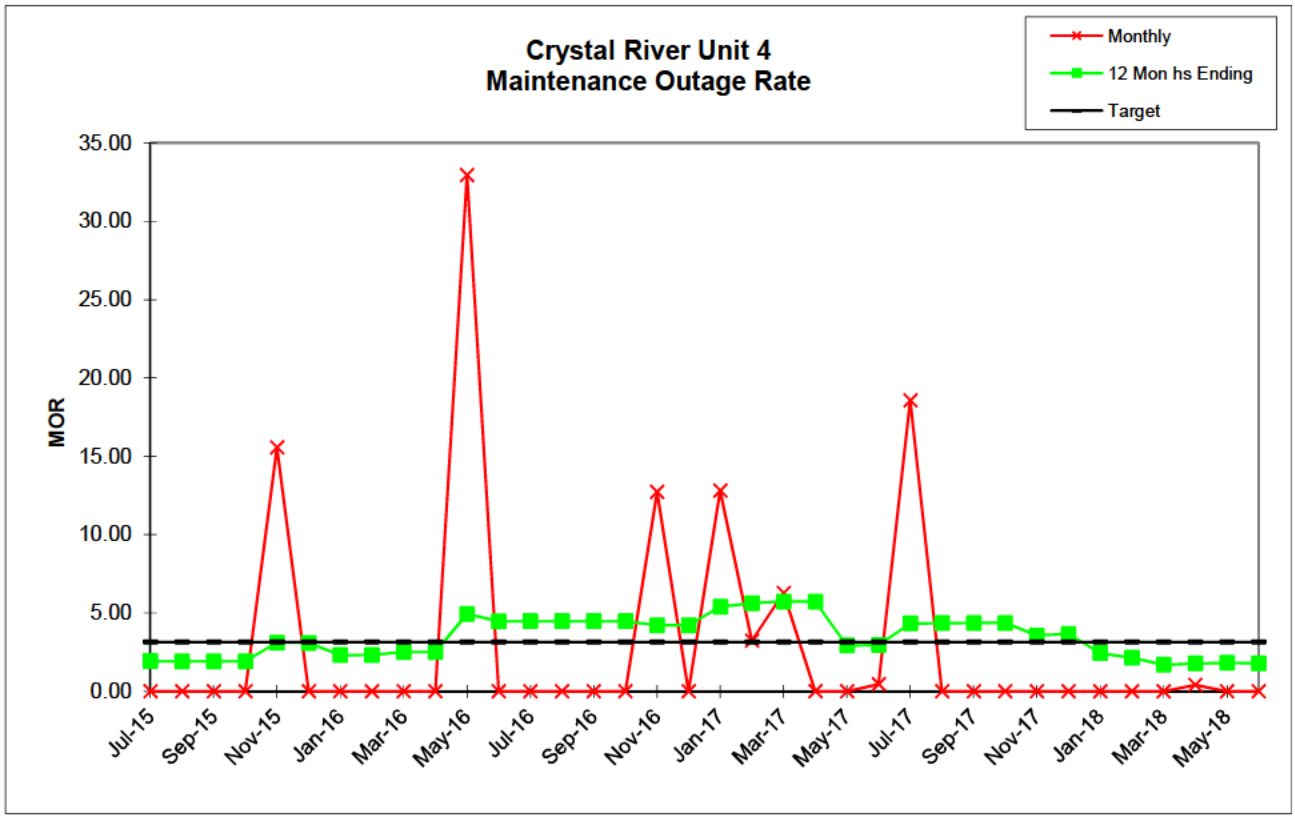
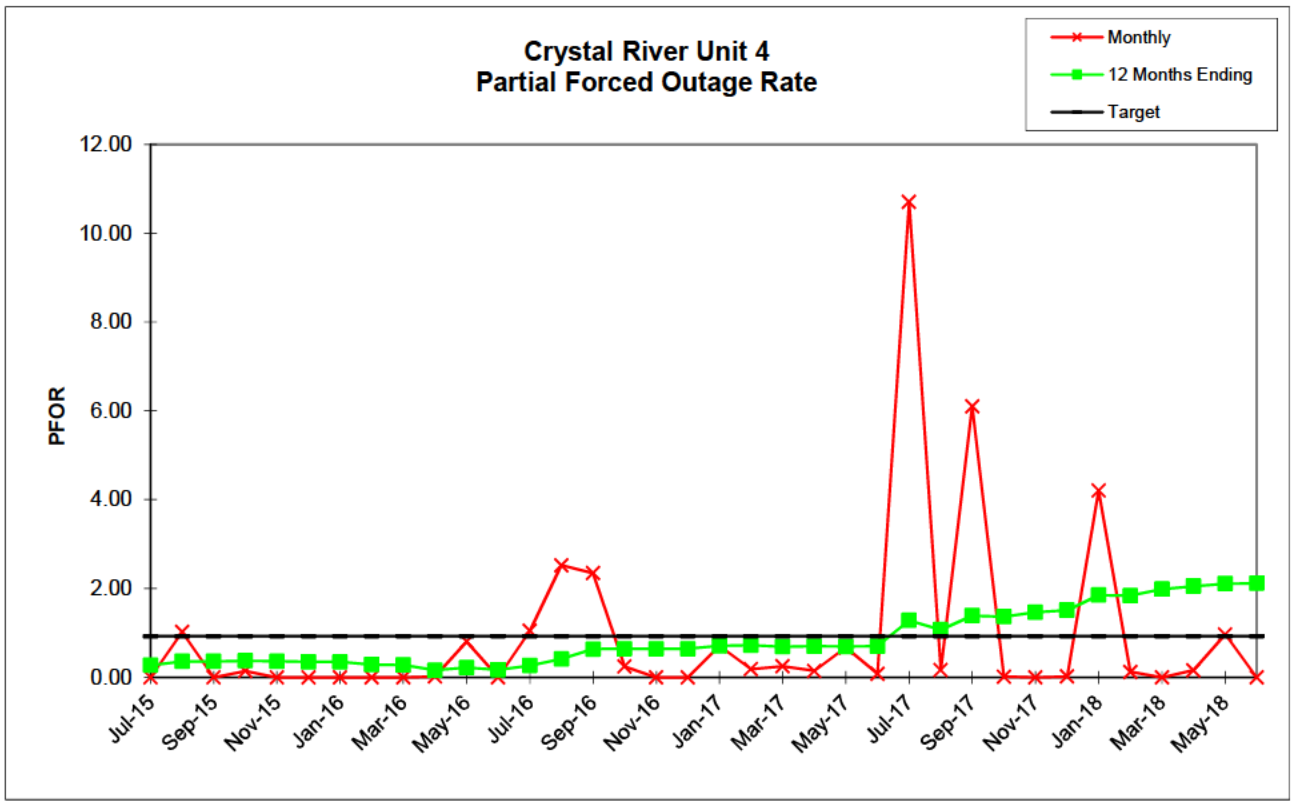
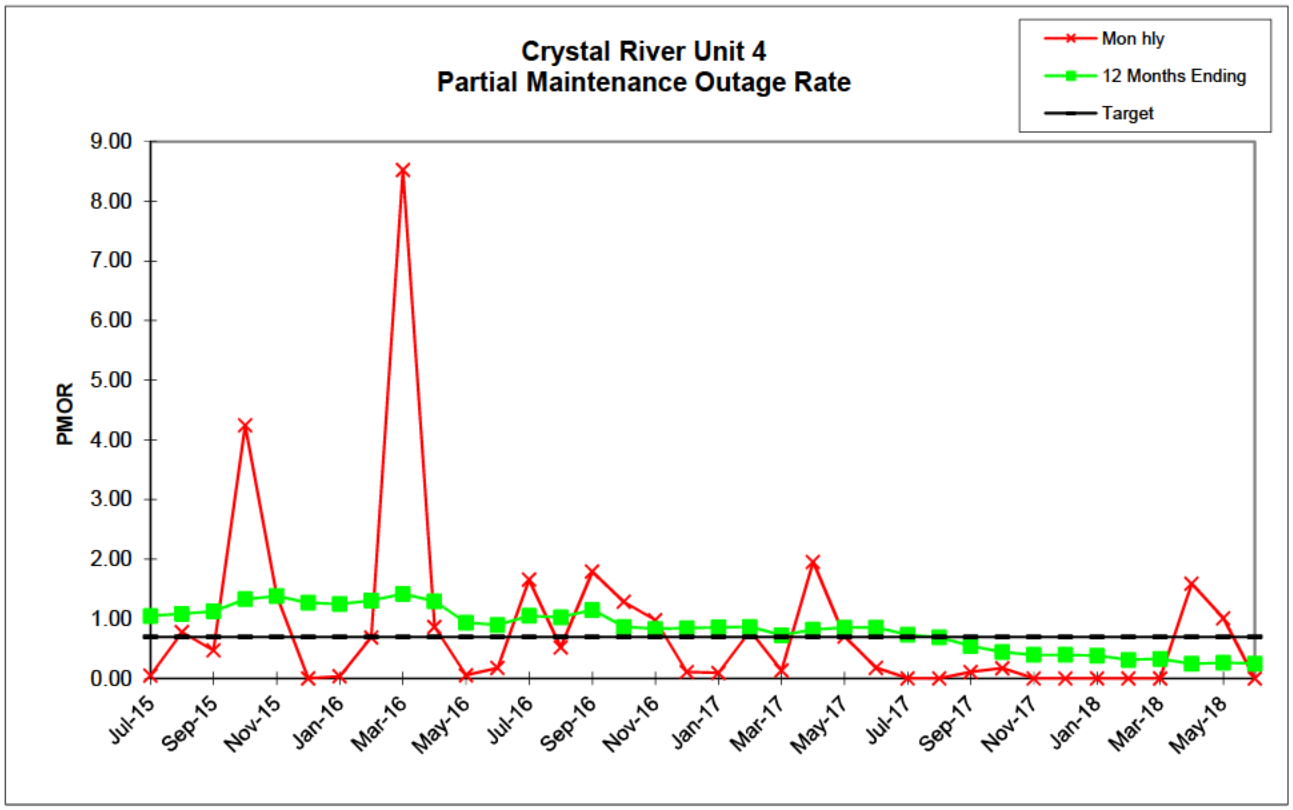
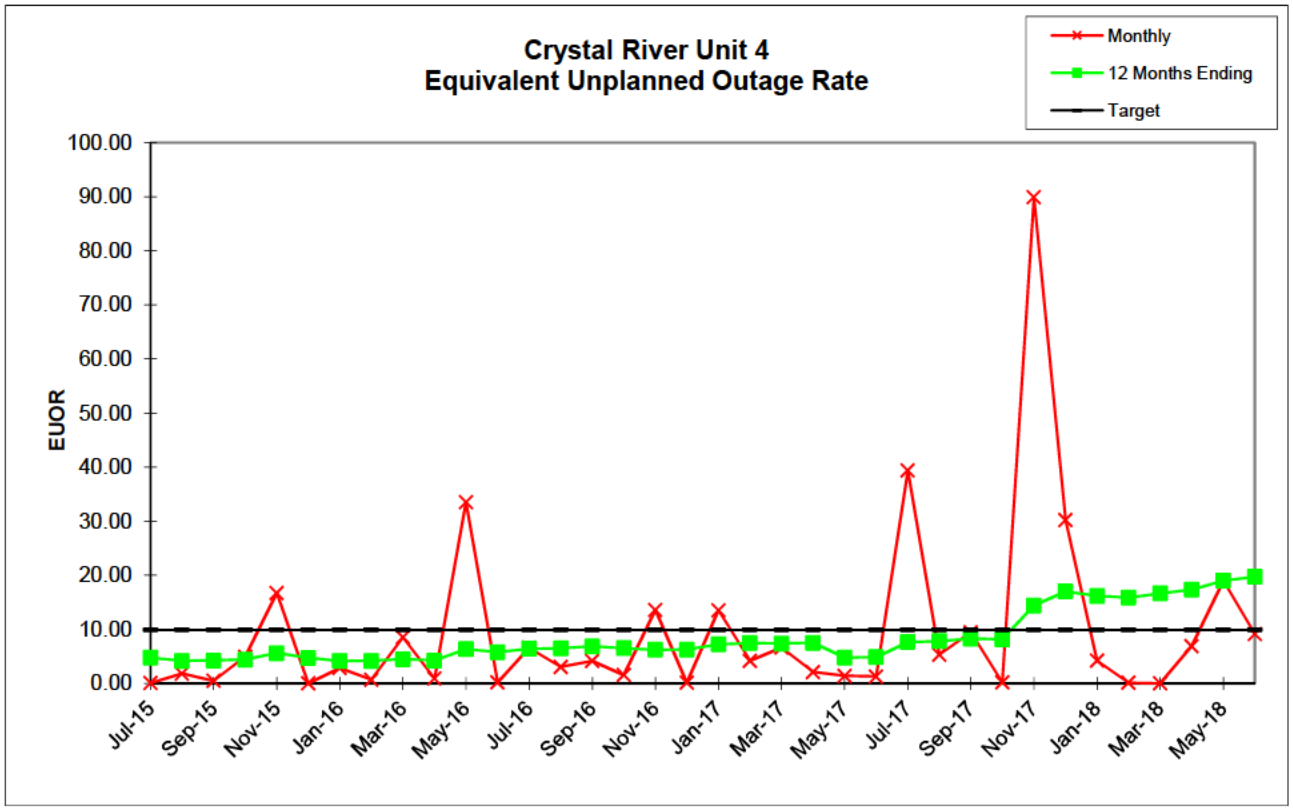
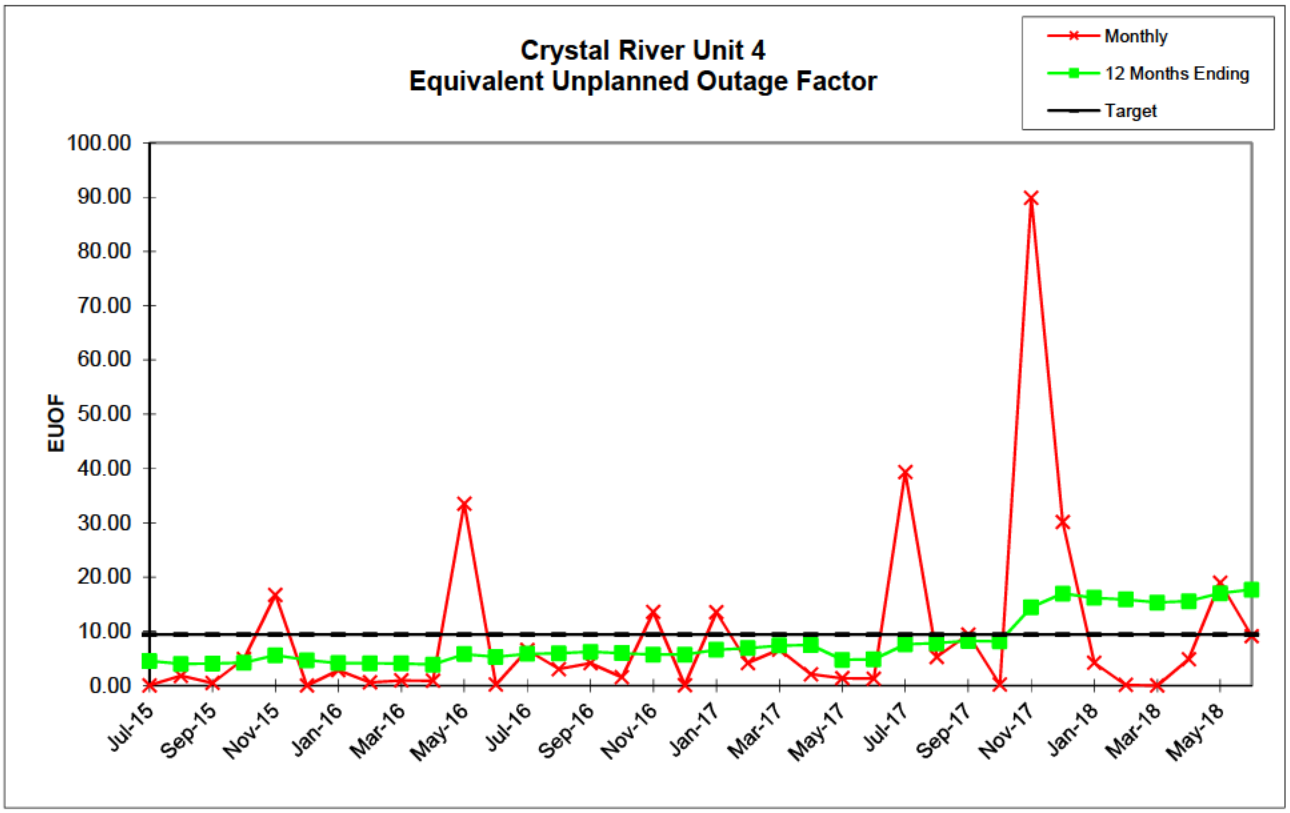
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Crystal River Unit 4
Maintenance Outage Rate
Monthly
12 Mon hs Ending
Target
MOR
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Crystal River Unit 4
Partial Forced Outage Rate
Monthly
12 Months Ending
Target
PFOR
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Crystal River Unit 4
Partial Maintenance Outage Rate
Mon hly
12 Months Ending
Target
PMOR
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Crystal River Unit 4
Equivalent Unplanned Outage Rate
Monthly
12 Months Ending
Target
EUOR
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Crystal River Unit 4
Equivalent Unplanned Outage Factor
Monthly
12 Months Ending
Target
EUOF
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18

Crystal River
Unit 5

	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
PER HOURS	744.00	744.00	720.00	744 00	721.00	744.00	744.00	696.00	743.00	720.00	744.00	720 00	744.00	744.00	720.00	744.00	721.00	744.00	744.00	672.00	743.00
SER HOURS	744.00	744.00	720.00	719 98	0.00	104.30	618.47	696.00	743.00	720.00	744.00	720 00	744.00	744.00	403.02	562.38	721.00	744.00	744.00	672.00	658.83
RSH	0.00	0.00	0 00	0.00	217.00	588.60	124.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
UH	0.00	0.00	0 00	24.02	504.00	51.10	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	316.98	181.62	0.00	0.00	0.00	0 00	84.17
POH	0.00	0.00	0 00	24.02	504.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	181.62	0.00	0.00	0.00	0 00	0.00
FOH	0.00	0.00	0 00	0.00	0.00	51.10	1.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	316.98	0.00	0.00	0.00	0.00	0 00	10.00
MOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	74.17
PFOH	0.00	41.84	22 99	9.25	0.00	43.90	20.02	8.26	5.45	3.00	0.00	0.00	0.00	67.69	31.35	0.00	7.83	0.00	0.00	0 00	6.33
LRPF	0.00	174.52	144.53	472 00	0.00	53.00	303.68	91.07	91.00	63.00	0.00	0.00	0.00	149.95	106.15	0.00	91.04	0.00	0.00	0 00	150 55
EFOH	0.00	10.28	4.68	6.15	0.00	3.28	8.56	1.06	0.70	0.27	0.00	0.00	0.00	14.30	4.69	0.00	1.00	0.00	0.00	0 00	1.34
PMOH	12.00	17.98	23 07	39.61	0.00	3.00	3.63	58.14	10.50	16.91	2.75	40.17	39.12	83.41	51.20	318.05	15.73	46.42	13.83	15 00	384 00
LRPM	63.00	80.35	292.06	124 01	0.00	472.00	63.06	152.69	345.00	126.26	567.00	148.78	347.05	256.26	142.95	91.00	91.02	90.99	91.02	91.00	91.00
EMOH	1.06	2.03	9.49	6.92	0.00	1.99	0.32	12.50	5.10	3.01	2.20	8.42	19.12	30.11	10.31	40.76	2.02	5.95	1.77	1 92	49.22
NPC	710.00	710.00	710.00	710 00	710.00	710.00	710.00	710.00	710.00	710.00	710.00	710 00	710.00	710.00	710.00	710.00	710.00	710.00	710.00	710.00	710.00

MONTHLY	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**	**Jan-17**	**Feb-17**	**Mar-17**
FOR	0.00	0.00	0 00	0.00	0.00	32.88	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.03	0.00	0.00	0.00	0.00	0 00	1.50
MOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	10.12
PFOR	0.00	1.38	0.65	0.85	0.00	3.14	1.38	0.15	0.09	0.04	0 00	0.00	0.00	1.92	1.16	0.00	0.14	0.00	0.00	0 00	0.20
PMOR	0.14	0.27	1 32	0.96	0.00	1.91	0.05	1.80	0.69	0.42	0 30	1.17	2.57	4.05	2.56	7.25	0.28	0.80	0.24	0 29	7.47
EUOR	0.14	1.66	1 97	1.82	0.00	36.28	1.62	1.95	0.78	0.45	0 30	1.17	2.57	5.97	46.11	7.25	0.42	0.80	0.24	0 29	18.13
EUOF	0.14	1.66	1 97	1.76	0.00	7.58	1.35	1.95	0.78	0.45	0 30	1.17	2.57	5.97	46.11	5.48	0.42	0.80	0.24	0 29	18.13
POF	0.00	0.00	0 00	3.23	69.90	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	24.41	0.00	0.00	0.00	0 00	0.00
EAF	99.86	98.34	98 03	95.02	30.10	92.42	98.65	98.05	99.22	99.55	99.70	98 83	97.43	94.03	53.89	70.11	99.58	99.20	99.76	99.71	81.87

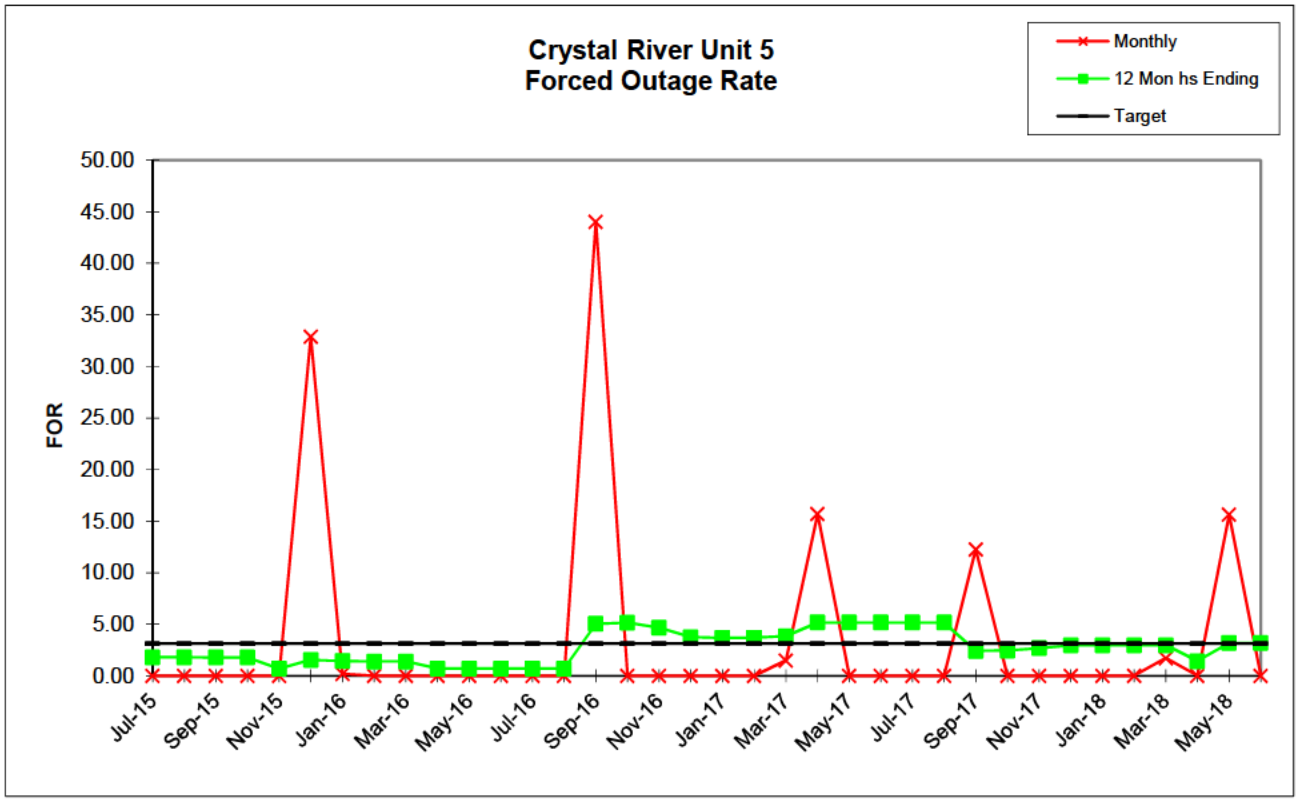
12 MONTHS	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**	**Jan-17**	**Feb-17**	**Mar-17**
FOR	1.80	1.80	1.78	1.79	0.71	1.56	1.45	1.39	1.39	0.71	0.71	0.71	0.71	0.71	5.04	5.15	4.68	3.75	3.68	3.70	3.84
MOR	1.06	1.06	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.90
PFOR	0.17	0.30	0 35	0.42	0.39	0.47	0.56	0.55	0.53	0.48	0.48	0.48	0.48	0.54	0.56	0.48	0.45	0.37	0.27	0 25	0.26
PMOR	0.87	0.88	0 96	0.84	0.84	0.91	0.85	0.95	0.94	0.89	0.67	0.73	0.98	1.36	1.44	1.97	1.81	1.71	1.70	1 58	2.14
EUOR	3.83	3.97	3 06	3.03	1.92	2.92	2.84	2.87	2.84	2.07	1 85	1.91	2.16	2.60	6.94	7.48	6.83	5.76	5.58	5.46	6.97
EUOF	3.42	3.55	2.73	2.69	1.56	2.16	2.28	2.40	2.37	1.73	1 55	1.60	1.80	2.17	5.79	6.10	6.14	5.56	5.47	5 35	6.82
POF	0.00	0.00	0 00	0.27	6.03	6.03	6.03	6.01	6.01	6.01	6 01	6.01	6.01	6.01	6.01	7.81	2.07	2.07	2.07	2 07	2.07
EAF	96.58	96.45	97 27	97.03	92.42	91.81	91.70	91.59	91.62	92.26	92.44	92 39	92.19	91.82	88.20	86.09	91.80	92.37	92.46	92 58	91.11

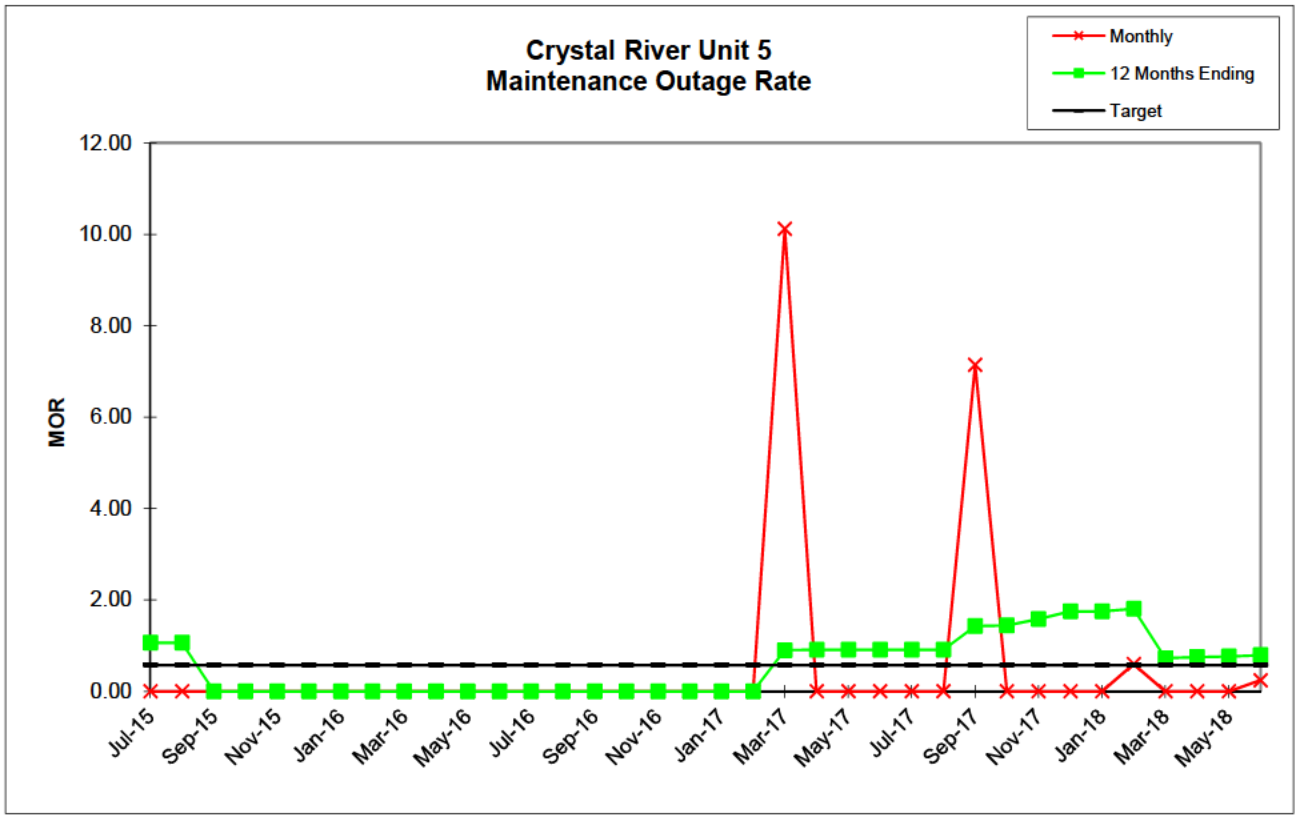
Crystal River
Unit 5

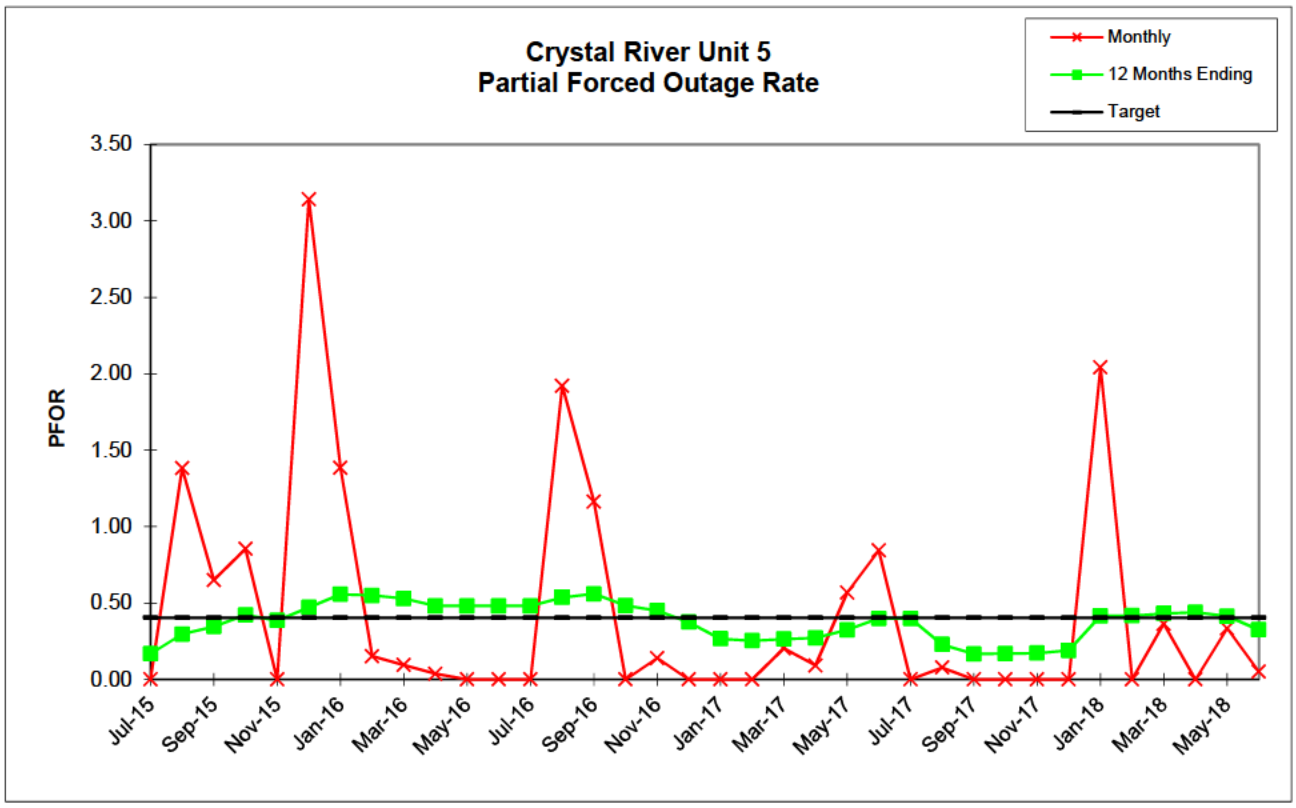
	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
PER HOURS	720.00	744.00	720.00	744 00	744.00	720.00	744.00	721.00	744.00	744.00	672.00	743 00	720.00	744.00	720.00
SER HOURS	607.08	744.00	720.00	744 00	744.00	591.83	479.50	0.00	16.05	744.00	668.00	730 30	368.40	627.72	718.25
RSH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00
UH	112.92	0.00	0 00	0.00	0.00	128.17	264.50	721.00	727.95	0.00	4.00	12.70	351.60	116.28	1.75
POH	0.00	0.00	0 00	0.00	0.00	0.00	264.50	721.00	727.95	0.00	0.00	0.00	351.60	0.00	0.00
FOH	112.92	0.00	0 00	0.00	0.00	82.63	0.00	0.00	0.00	0.00	0.00	12.70	0.00	116.28	0.00
MOH	0.00	0.00	0 00	0.00	0.00	45.53	0.00	0.00	0.00	0.00	4 00	0.00	0.00	0.00	1.75
PFOH	4.33	10.63	38.17	0.00	4.50	0.00	0.00	0.00	0.00	36.45	0.00	5.00	0.00	3.00	2.84
LRPF	91.27	282.09	113.00	0.00	91.00	0.00	0.00	0.00	0.00	296.03	0.00	377 00	0.00	496.00	90.79
EFOH	0.56	4.22	6 07	0.00	0.58	0.00	0.00	0.00	0.00	15.20	0 00	2.65	0.00	2.10	0.36
PMOH	408.69	44.24	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.50	0.00	0.00	0.00	23.83
LRPM	91.00	90.99	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	496.00	0.00	0.00	0.00	91.01
EMOH	52.38	5.67	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.72	0.00	0.00	0.00	3.05
NPC	710.00	710.00	710.00	710 00	710.00	710.00	710.00	710.00	710.00	710.00	710.00	710 00	710.00	710.00	710.00

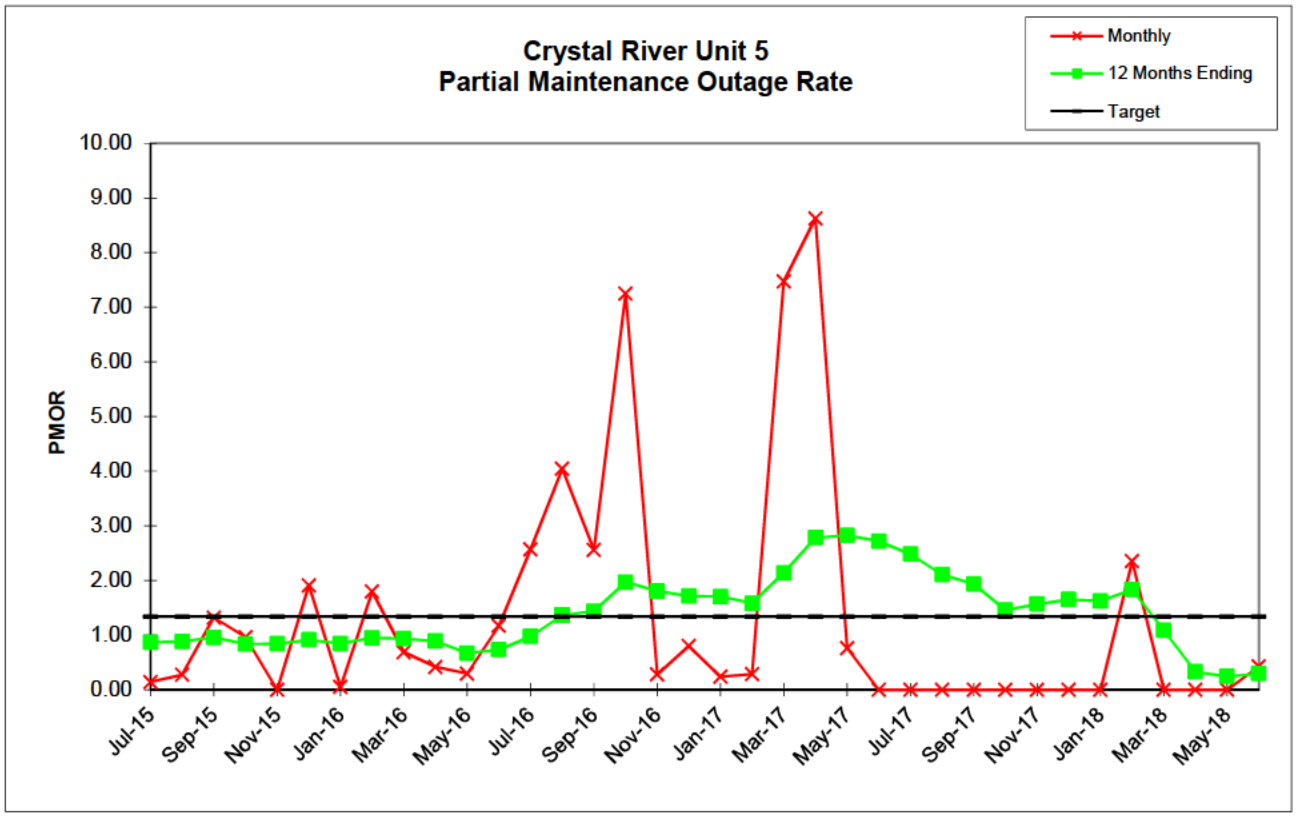
MONTHLY	**Apr-17**	**May-17**	**Jun-17**	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**	**Jun-18**
FOR	15.68	0.00	0 00	0.00	0.00	12.25	0.00	0.00	0.00	0.00	0.00	1.71	0.00	15.63	0.00
MOR	0.00	0.00	0 00	0.00	0.00	7.14	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.24
PFOR	0.09	0.57	0 84	0.00	0.08	0.00	0.00	0.00	0.00	2.04	0.00	0.36	0.00	0.33	0.05
PMOR	8.63	0.76	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.00	0.00	0.00	0.43
EUOR	23.04	1.33	0 84	0.00	0.08	17.80	0.00	0.00	0.00	2.04	2.93	2.07	0.00	15.91	0.72
EUOF	23.04	1.33	0 84	0.00	0.08	17.80	0.00	0.00	0.00	2.04	2.93	2.07	0.00	15.91	0.72
POF	0.00	0.00	0 00	0.00	0.00	0.00	35.55	100.00	97.84	0.00	0.00	0.00	48.83	0.00	0.00
EAF	76.96	98.67	99.16	100 00	99.92	82.20	64.45	0.00	2.16	97.96	97.07	97 93	51.17	84.09	99.28

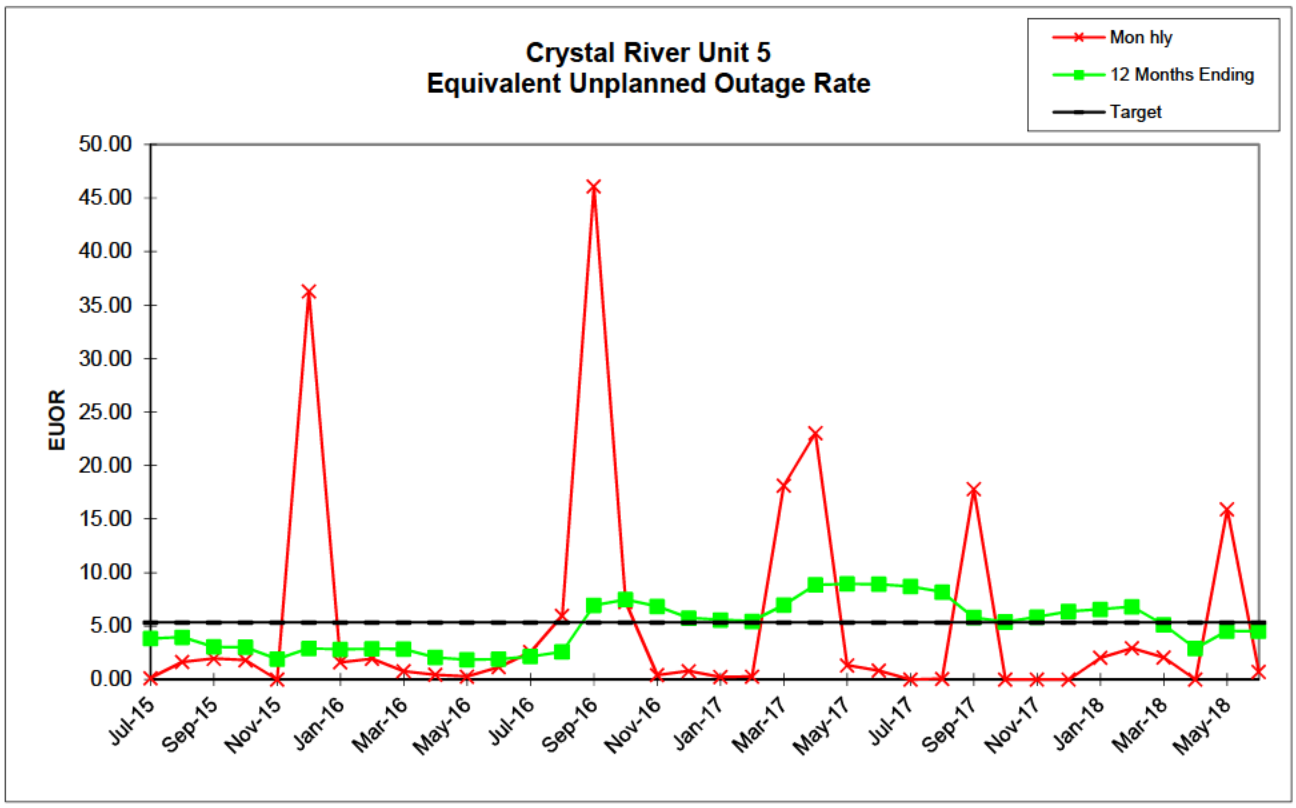
12 MONTHS	**Apr-17**	**May-17**	**Jun-17**	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**	**Jun-18**
FOR	5.17	5.17	5.17	5.17	5.17	2.43	2.45	2.69	2.97	2.97	2.97	2.98	1.43	3.18	3.19
MOR	0.91	0.91	0 91	0.91	0.91	1.43	1.44	1.58	1.75	1.75	1.81	0.72	0.75	0.76	0.79
PFOR	0.27	0.32	0.40	0.40	0.23	0.17	0.17	0.17	0.19	0.42	0.42	0.43	0.44	0.41	0.32
PMOR	2.78	2.82	2.72	2.48	2.11	1.93	1.46	1.57	1.65	1.62	1.83	1.09	0.33	0.24	0.29
EUOR	8.86	8.95	8 92	8.70	8.19	5.81	5.39	5.85	6.37	6.56	6.81	5.12	2.91	4.53	4.52
EUOF	8.68	8.77	8.74	8.52	8.02	5.69	5.23	5.19	5.13	5.28	5.48	4.12	2.23	3.46	3.45
POF	2.07	2.07	2 07	2.07	2.07	2.07	3.02	11.25	19.56	19.56	19.56	19 56	23.57	23.57	23.57
EAF	89.25	89.16	89.19	89.41	89.91	92.23	91.75	83.56	75.31	75.16	74.96	76 32	74.20	72.96	72.97

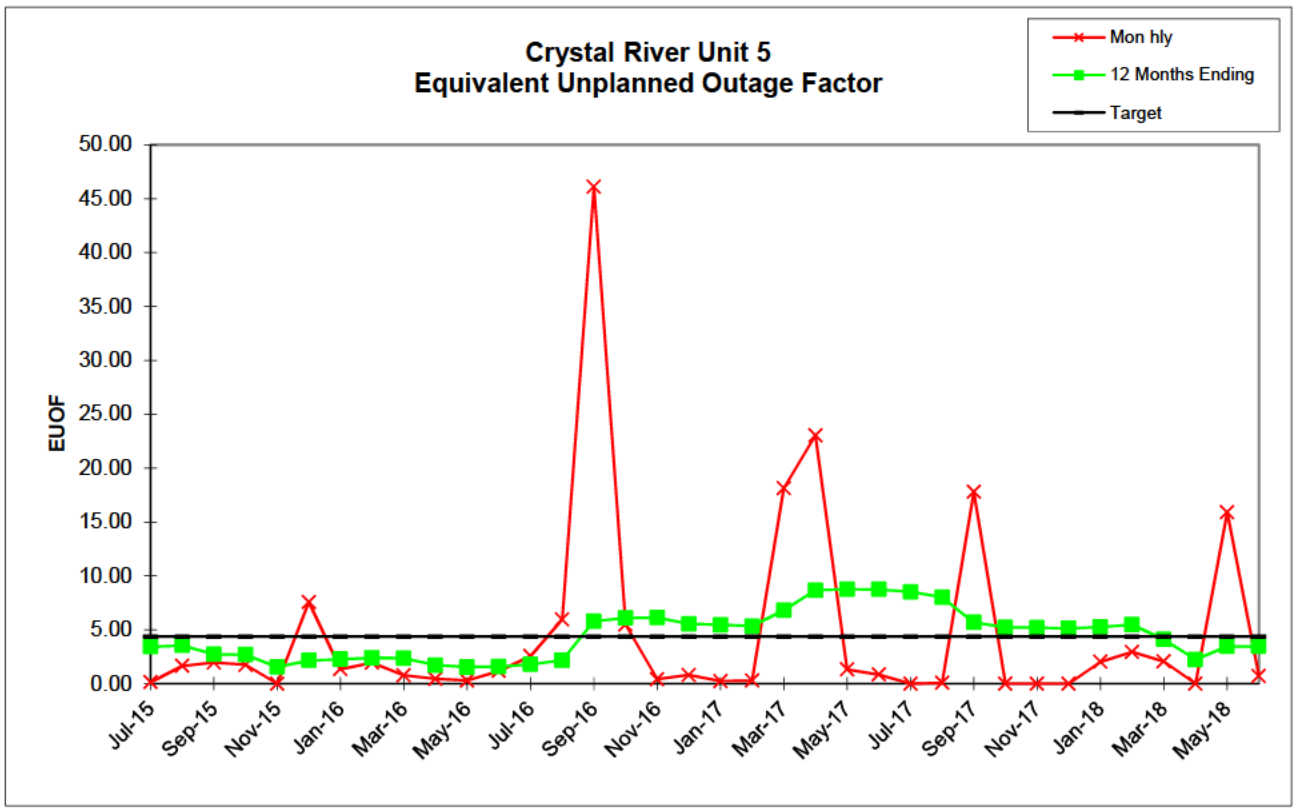

Crystal River Unit 5
Forced Outage Rate
Monthly
12 Mon hs Ending
Target
FOR
50.00
45.00
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Crystal River Unit 5
Maintenance Outage Rate
Monthly
12 Months Ending
Target
MOR
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Crystal River Unit 5
Partial Forced Outage Rate
Monthly
12 Months Ending
Target
PFOR
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Crystal River Unit 5
Partial Maintenance Outage Rate
Monthly
12 Months Ending
Target
PMOR
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Crystal River Unit 5
Equivalent Unplanned Outage Rate
Mon hly
12 Months Ending
Target
EUOR
50.00
45.00
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Crystal River Unit 5
Equivalent Unplanned Outage Factor
Mon hly
12 Months Ending
Target
EUOF
50.00
45.00
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18

Hines
Unit 1

	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17
PER HOURS	744.00	744.00	720.00	744.00	721 00	744.00	744.00	696.00	743.00	720.00	744.00	720.00	744.00	744 00	720.00	744.00	721.00	744.00	744.00	672.00
SER HOURS	706.52	732.17	720.00	744.00	685 05	668.16	744.00	696.00	477.66	92.41	649.99	711.86	722.54	744 00	720.00	726.12	686.68	635.23	603.32	672.00
RSH	6.50	2.40	0.00	0 00	34.88	53.24	0.00	0.00	5.23	0.00	0.01	0.00	0 00	0.00	0.00	0.00	34.32	99.79	140.68	0.00
UH	30.98	9.43	0.00	0 00	1.07	22.60	0.00	0.00	260.11	627.59	94.01	8.14	21.46	0.00	0.00	17.88	0.00	8.97	0.00	0.00
POH	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	214.75	623.55	49.71	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FOH	30.98	9.43	0.00	0 00	1.07	22.60	0.00	0.00	45.36	4.04	44.30	8.14	21.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MOH	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	17.88	0.00	8.97	0.00	0.00
PFOH	8.82	10.95	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.63	22.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LRPF	89.05	81.46	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.39	105 38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFOH	1.70	1.93	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	4.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PMOH	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LRPM	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMOH	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NPC	462.00	462.00	462.00	462.00	462 00	462.00	518.00	518.00	518.00	518.00	518.00	518.00	518.00	518 00	518.00	518.00	518.00	518.00	517.00	517.00

MONTHLY	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**	**Jan-17**	**Feb-17**
FOR	4.20	1.27	0.00	0 00	0.16	3.27	0.00	0.00	8.67	4.19	6.38	1.13	2 88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MOR	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	2.40	0.00	1.39	0.00	0.00
PFOR	0.24	0.26	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PMOR	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EUOR	4.43	1.53	0.00	0 00	0.16	3.27	0.00	0.00	8.67	4.19	6.38	1.38	3 51	0.00	0.00	2.40	0.00	1.39	0.00	0.00
EUOF	4.39	1.53	0.00	0 00	0.15	3.04	0.00	0.00	6.10	0.56	5.95	1.38	3 51	0.00	0.00	2.40	0.00	1.21	0.00	0.00
POF	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	28.90	86.60	6.68	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EAF	95.61	98.47	100.00	100.00	99 85	96.96	100.00	100.00	64.99	12.83	87.36	98.62	96.49	100.00	100.00	97.60	100.00	98.79	100.00	100.00

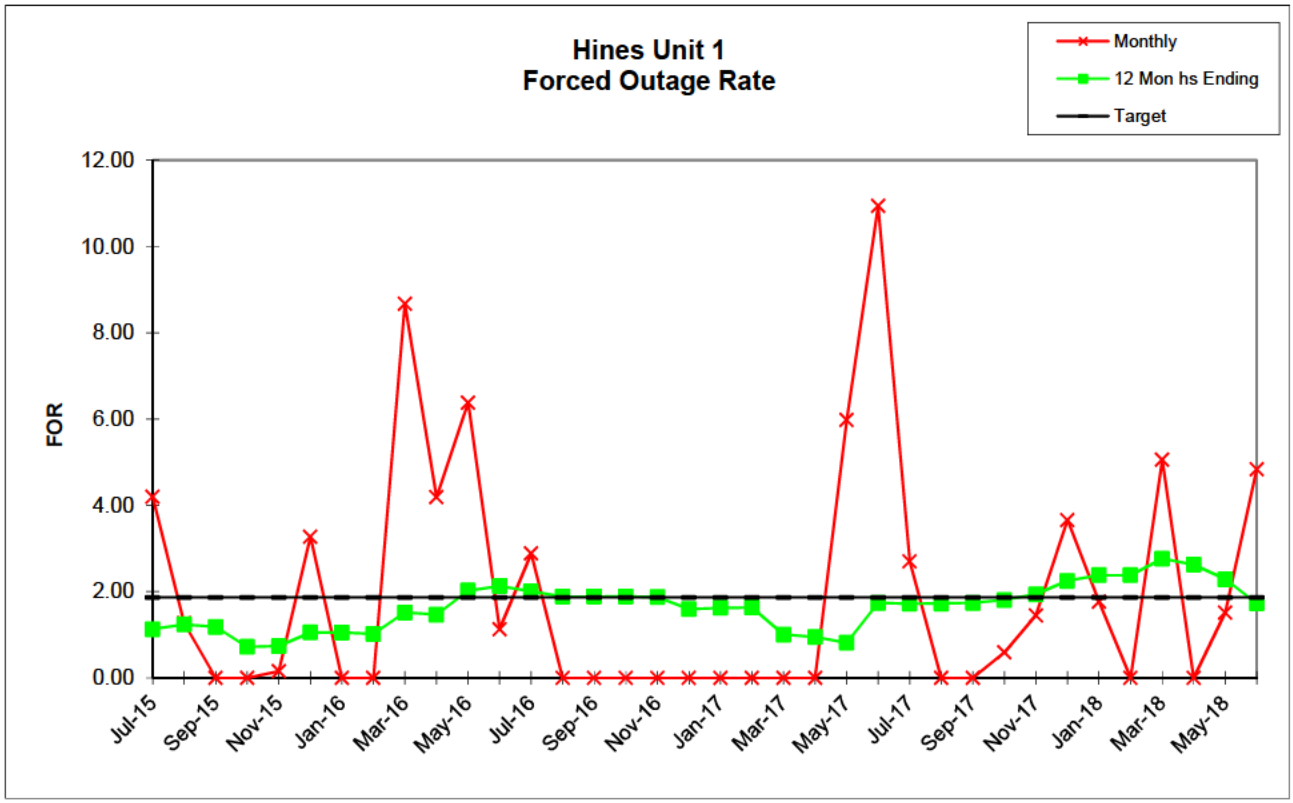
12 MONTHS	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**	**Jan-17**	**Feb-17**
FOR	1.13	1.24	1.18	0.72	0.74	1.05	1.05	1.02	1.52	1.46	2.02	2.13	2 01	1.88	1.88	1.89	1.87	1.60	1.62	1.63
MOR	0.42	0.42	0.42	0.42	0.42	0.42	0.40	0.39	0.36	0.37	0.00	0.00	0 00	0.00	0.00	0.23	0.23	0.35	0.36	0.36
PFOR	0.11	0.13	0.13	0 05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.11	0.08	0.08	0.08	0.08	0.08	0.09	0.09
PMOR	0.03	0.03	0.03	0 03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EUOR	1.68	1.81	1.75	1 21	1.23	1.55	1.49	1.45	1.92	1.88	2.07	2.20	2.11	1.97	1.97	2.19	2.18	2.02	2.06	2.06
EUOF	1.42	1.53	1.48	1 02	1.04	1.29	1.25	1.24	1.76	1.67	1.84	1.95	1 88	1.75	1.75	1.95	1.94	1.78	1.78	1.79
POF	15.13	15.13	15.13	15.13	15.13	15.13	15.13	12.92	6.91	9.54	10.11	10.11	10.11	10.11	10.11	10.11	10.11	10.11	10.11	10.14
EAF	83.45	83.34	83.39	83.84	83 83	83.57	83.62	85.83	91.33	88.78	88.05	87.94	88 02	88.14	88.14	87.94	87.95	88.11	88.11	88.08

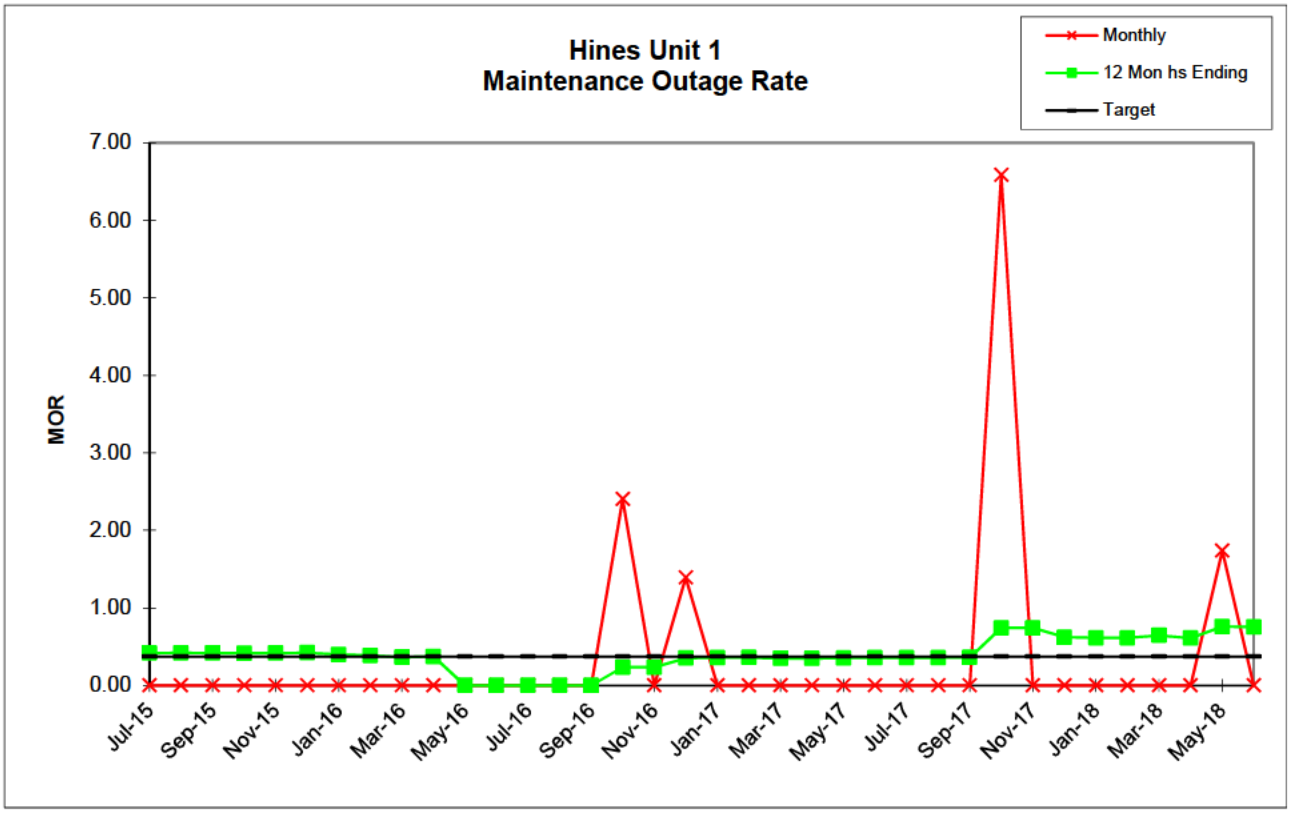
Hines
Unit 1

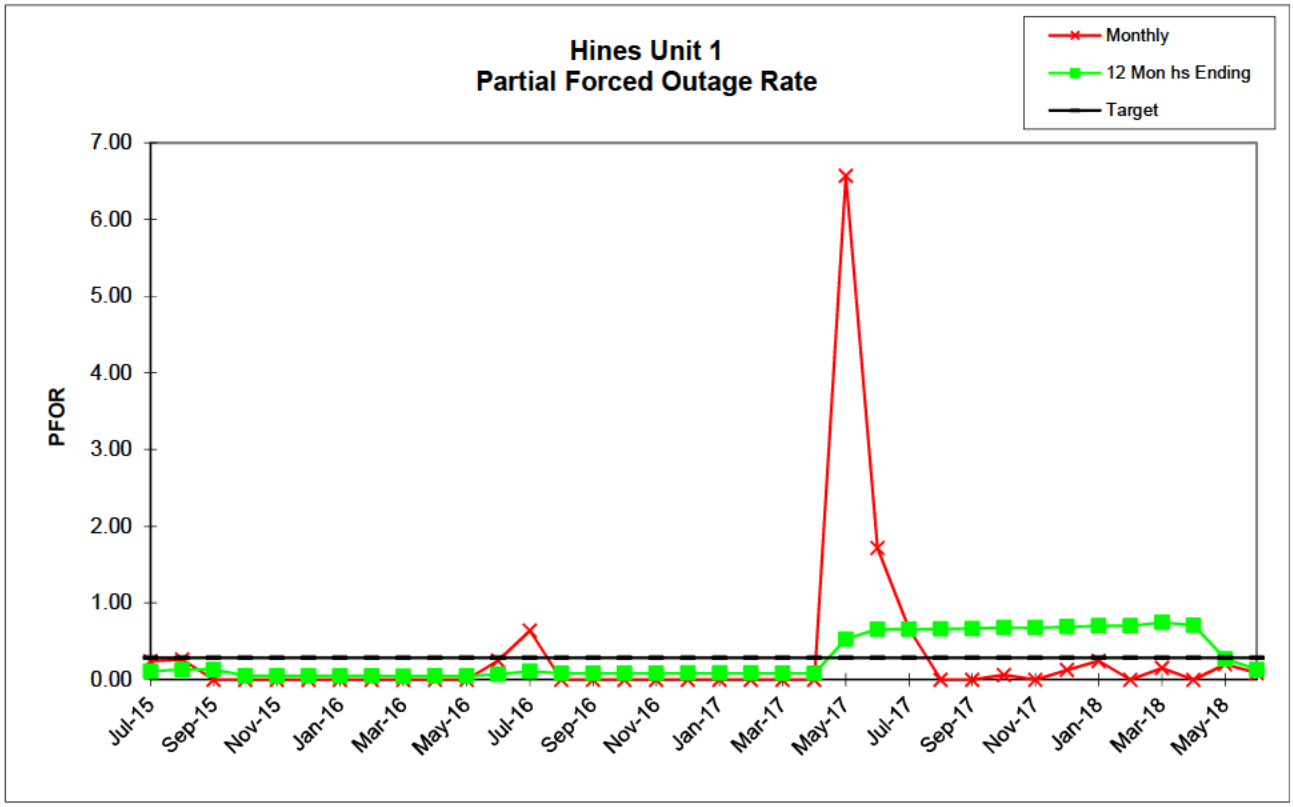
	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
PER HOURS	743.00	720.00	744.00	720 00	744.00	744.00	720.00	744.00	721.00	744.00	744.00	672 00	743.00	720.00	744.00	720.00
SER HOURS	736.42	112.79	514.80	641 24	722.54	724.19	662.30	653.40	691.81	621.65	714.50	672 00	363.69	495.04	704.70	685.18
RSH	0.05	0.00	134.79	0.00	1.42	19.81	57.70	40.66	19.01	98.75	16.65	0.00	0.05	0.02	15.99	0.00
UH	6.53	607.21	94.41	78.76	20.04	0.00	0.00	49.95	10.17	23.60	12.85	0.00	379.26	224.94	23.31	34.82
POH	6.53	607.21	61.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	359.88	224.94	0.00	0.00
FOH	0.00	0.00	32.72	78.76	20.04	0.00	0.00	3.90	10.17	23.60	12.85	0.00	19.38	0.00	10.84	34.82
MOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	46.05	0.00	0.00	0 00	0.00	0.00	0.00	12.47	0.00
PFOH	0.00	0.00	287.40	83.45	22.74	0.00	0.00	2.67	0.00	4.10	12.44	0.00	3.56	0.00	10.38	4.32
LRPF	0.00	0.00	60 82	68.18	108.05	0.00	0.00	77.98	0.00	99.00	69.78	0.00	76.57	0.00	67.60	69.07
EFOH	0.00	0.00	33 81	11.00	4.75	0.00	0.00	0.40	0.00	0.79	1.75	0.00	0.55	0.00	1.42	0.60
PMOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	4.85	17.06	0 00	0.00	0.00	0.00	11.86	0.00
LRPM	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	99.01	99.02	0 00	0.00	0.00	0.00	67.62	0.00
EMOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.93	3.27	0 00	0.00	0.00	0.00	1.62	0.00
NPC	517.00	517.00	517.00	517 00	517.00	517.00	517.00	517.00	517.00	517.00	495.00	495 00	495.00	495.00	495.00	495.00

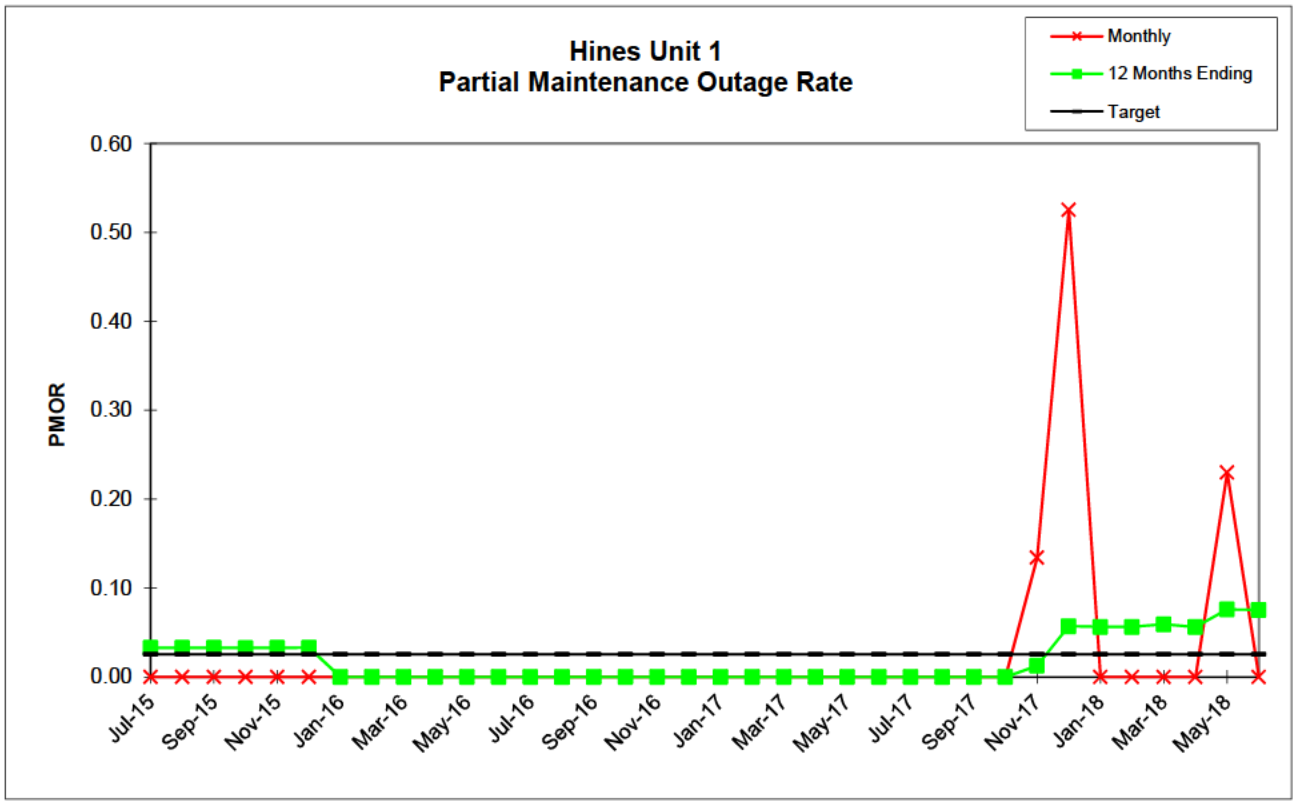
MONTHLY	**Mar-17**	**Apr-17**	**May-17**	**Jun-17**	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**	**Jun-18**
FOR	0.00	0.00	5 98	10.94	2.70	0.00	0.00	0.59	1.45	3.66	1.77	0.00	5.06	0.00	1.51	4.84
MOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	6.58	0.00	0.00	0 00	0.00	0.00	0.00	1.74	0.00
PFOR	0.00	0.00	6 57	1.72	0.66	0.00	0.00	0.06	0.00	0.13	0 25	0.00	0.15	0.00	0.20	0.09
PMOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.13	0.53	0 00	0.00	0.00	0.00	0.23	0.00
EUOR	0.00	0.00	12.15	12.47	3.34	0.00	0.00	7.16	1.58	4.29	2 01	0.00	5.20	0.00	3.62	4.92
EUOF	0.00	0.00	8 94	12.47	3.33	0.00	0.00	6.77	1.54	3.72	1 96	0.00	2.68	0.00	3.54	4.92
POF	0.88	84.33	8 29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	48.44	31.24	0.00	0.00
EAF	99.12	15.67	82.77	87.53	96.67	100.00	100.00	93.23	98.46	96.28	98.04	100 00	48.88	68.76	96.46	95.08

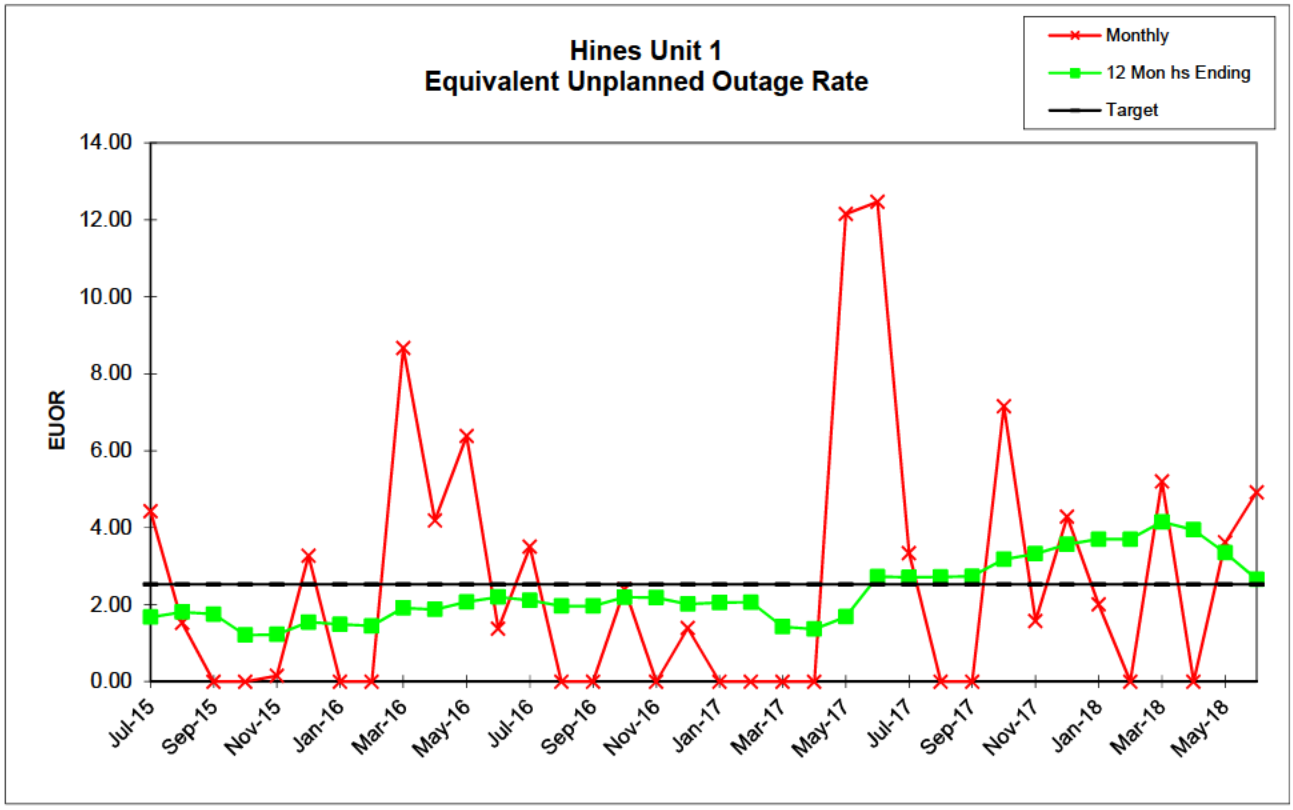
12 MONTHS	**Mar-17**	**Apr-17**	**May-17**	**Jun-17**	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**	**Jun-18**
FOR	1.00	0.95	0 81	1.74	1.72	1.72	1.74	1.81	1.94	2.25	2 38	2.38	2.76	2.62	2.29	1.73
MOR	0.35	0.35	0 35	0.36	0.36	0.36	0.36	0.74	0.74	0.62	0.61	0.61	0.64	0.61	0.76	0.75
PFOR	0.08	0.08	0 53	0.66	0.66	0.66	0.67	0.68	0.68	0.69	0.70	0.70	0.75	0.71	0.27	0.13
PMOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0 06	0.06	0.06	0.06	0.08	0.08
EUOR	1.42	1.37	1.69	2.73	2.71	2.72	2.74	3.18	3.32	3.57	3.70	3.70	4.15	3.94	3.35	2.66
EUOF	1.27	1.22	1.48	2.39	2.37	2.37	2.37	2.74	2.87	3.08	3 25	3.25	3.48	3.48	3.02	2.40
POF	7.76	7.57	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	11.74	7.38	6.68	6.68
EAF	90.97	91.20	90 81	89.90	89.92	89.92	89.92	89.55	89.42	89.21	89.04	89 04	84.78	89.14	90.30	90.92

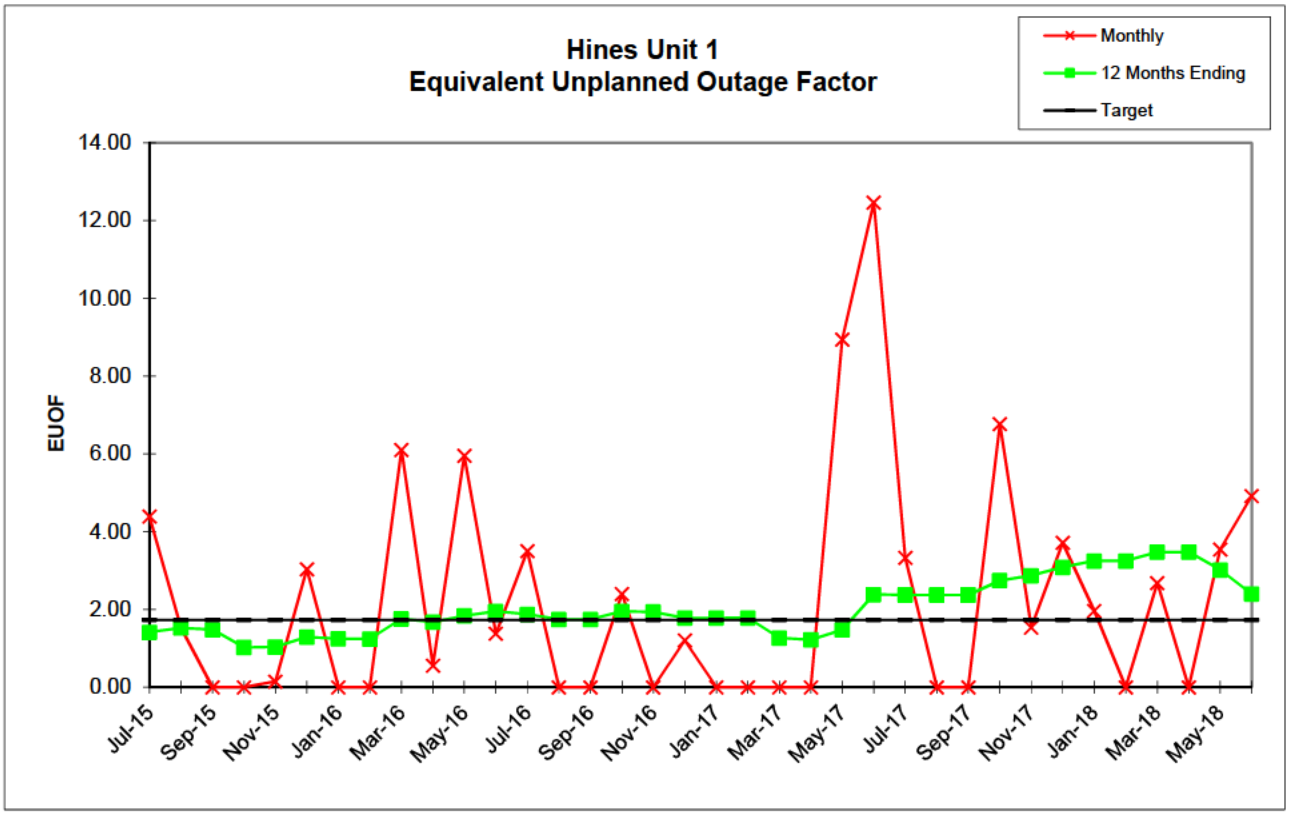

Hines Unit 1
Forced Outage Rate
Monthly
12 Mon hs Ending
Target
FOR
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 1
Maintenance Outage Rate
Monthly
12 Mon hs Ending
Target
MOR
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 1
Partial Forced Outage Rate
Monthly
12 Mon hs Ending
Target
PFOR
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 1
Partial Maintenance Outage Rate
Monthly
12 Months Ending
Target
PMOR
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 1
Equivalent Unplanned Outage Rate
Monthly
12 Mon hs Ending
Target
EUOR
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 1
Equivalent Unplanned Outage Factor
Monthly
12 Months Ending
Target
EUOF
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18

Hines
Unit 2

	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
PER HOURS	744.00	744.00	720.00	744 00	721.00	744.00	744.00	696.00	743.00	720.00	744.00	720 00	744.00	744.00	720.00	744.00	721.00	744.00	744.00	672.00	743.00
SER HOURS	744.00	744.00	672.05	729 94	714.97	743.09	649.76	316.33	191.63	719.02	735.25	720 00	744.00	605.51	667.52	736.82	542.18	611.63	646.18	419.64	743.00
RSH	0.00	0.00	47 95	0.00	6.03	0.91	91.38	138.59	0.94	0.00	0.00	0.00	0.00	0.00	17.97	1.05	91.70	126.42	97.82	252.36	0.00
UH	0.00	0.00	0 00	14.06	0.00	0.00	2.86	241.08	550.43	0.98	8.75	0.00	0.00	138.49	34.51	6.13	87.12	5.95	0.00	0 00	0.00
POH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	240.00	526.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
FOH	0.00	0.00	0 00	14.06	0.00	0.00	2.86	1.08	23.46	0.98	3.13	0.00	0.00	18.49	7.96	0.00	87.12	5.95	0.00	0 00	0.00
MOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.62	0.00	0.00	120.00	26.55	6.13	0.00	0.00	0.00	0 00	0.00
PFOH	0.00	0.00	0 00	16.62	0.00	0.00	0.00	0.00	0.00	0.00	0 00	14.49	0.00	2.14	0.00	0.00	104.25	7.03	0.00	0 00	0.00
LRPF	0.00	0.00	0 00	104.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.79	0.00	120.56	0.00	0.00	116.80	116.74	0.00	0 00	0.00
EFOH	0.00	0.00	0 00	3.53	0.00	0.00	0.00	0.00	0.00	0.00	0 00	1.06	0.00	0.47	0.00	0.00	22.30	1.50	0.00	0 00	0.00
PMOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
LRPM	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
EMOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
NPC	490.00	490.00	490.00	490 00	490.00	490.00	546.00	546.00	546.00	546.00	546.00	546 00	546.00	546.00	546.00	546.00	546.00	546.00	545.00	545.00	545.00

MONTHLY	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**	**Jan-17**	**Feb-17**	**Mar-17**
FOR	0.00	0.00	0 00	1.89	0.00	0.00	0.44	0.34	10.91	0.14	0.42	0.00	0.00	2.96	1.18	0.00	13.84	0.96	0.00	0 00	0.00
MOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	16.54	3.83	0.83	0.00	0.00	0.00	0 00	0.00
PFOR	0.00	0.00	0 00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.15	0.00	0.08	0.00	0.00	4.11	0.25	0.00	0 00	0.00
PMOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
EUOR	0.00	0.00	0 00	2.36	0.00	0.00	0.44	0.34	10.91	0.14	1.18	0.15	0.00	18.68	4.92	0.83	17.39	1.21	0.00	0 00	0.00
EUOF	0.00	0.00	0 00	2.36	0.00	0.00	0.38	0.16	3.16	0.14	1.18	0.15	0.00	18.68	4.79	0.82	15.18	1.00	0.00	0 00	0.00
POF	0.00	0.00	0 00	0.00	0.00	0.00	0.00	34.48	70.92	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
EAF	100.00	100.00	100.00	97.64	100.00	100.00	99.62	65.36	25.92	99.86	98.82	99 85	100.00	81.32	95.21	99.18	84.82	99.00	100.00	100.00	100 00

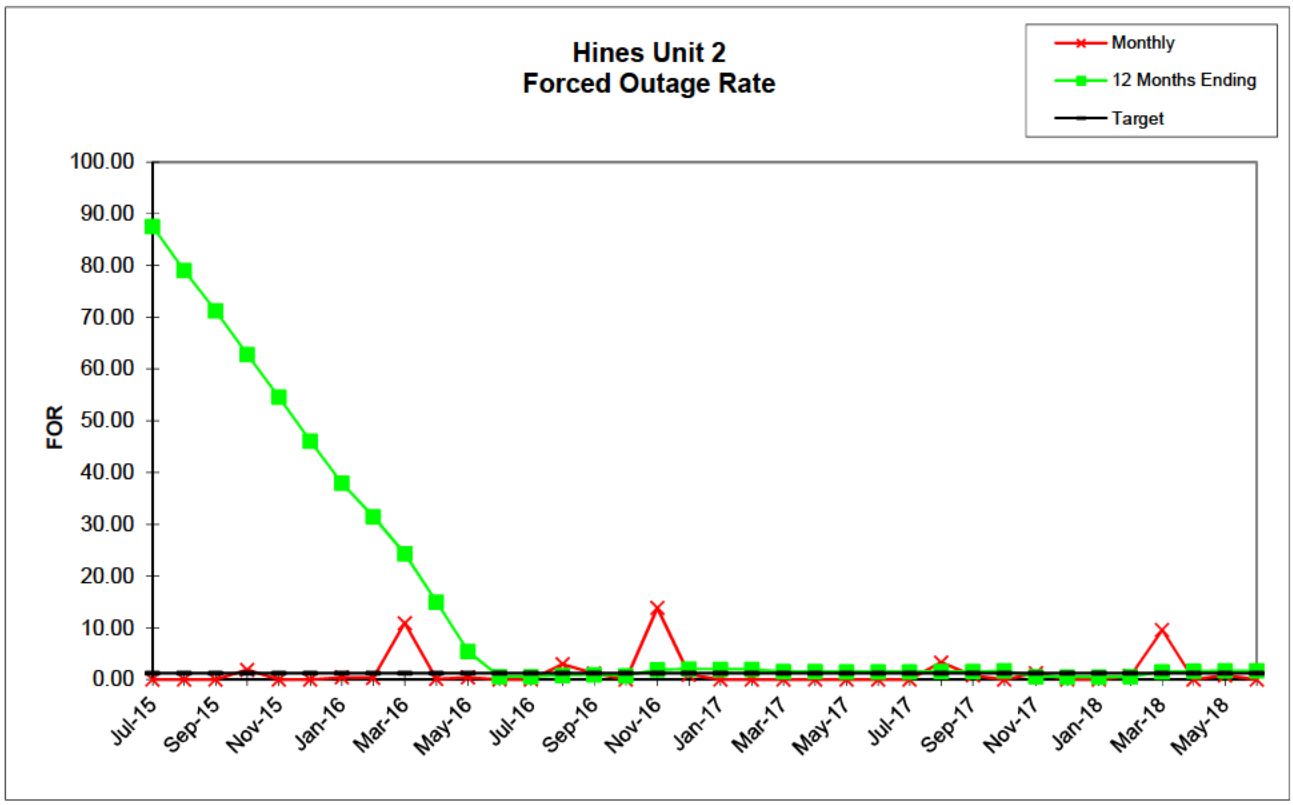
12 MONTHS	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**	**Jan-17**	**Feb-17**	**Mar-17**
FOR	87.55	79.06	71 23	62.85	54.61	46.07	37.96	31.46	24.30	15.00	5.45	0.59	0.59	0.84	0.95	0.76	1.93	2.04	2.01	1 96	1.54
MOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 08	0.07	0.07	1.64	1.98	2.06	2.10	2.14	2.14	2.11	1.97
PFOR	0.00	0.00	0 00	0.11	0.09	0.08	0.07	0.06	0.06	0.05	0 05	0.06	0.06	0.07	0.07	0.02	0.32	0.35	0.35	0 35	0.32
PMOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00
EUOR	87.55	79.06	71 23	62.89	54.65	46.11	38.00	31.50	24.35	15.05	5.56	0.72	0.72	2.52	2.95	2.81	4.26	4.43	4.40	4 33	3.76
EUOF	87.55	79.06	70 84	62.55	54.32	45.82	37.36	29.62	21.43	13.25	4.90	0.63	0.63	2.22	2.61	2.48	3.73	3.81	3.78	3.78	3.51
POF	0.00	0.00	0 00	0.00	0.00	0.00	0.00	2.73	8.73	8.73	8.73	8.73	8.73	8.73	8.73	8.73	8.73	8.73	8.73	6 02	0.00
EAF	12.45	20.94	29.16	37.45	45.68	54.18	62.64	67.65	69.84	78.02	86.37	90.63	90.63	89.05	88.66	88.79	87.54	87.46	87.49	90 21	96.49

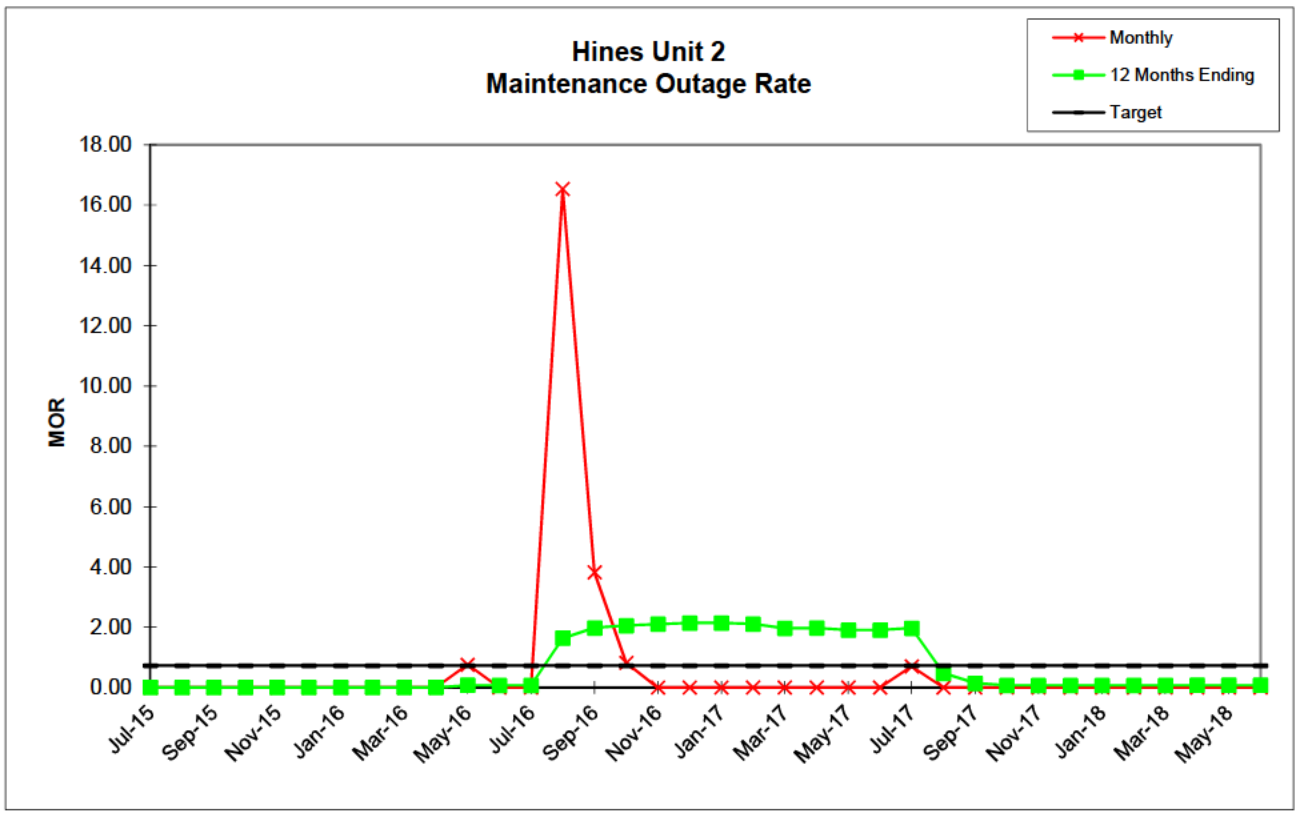
Hines
Unit 2

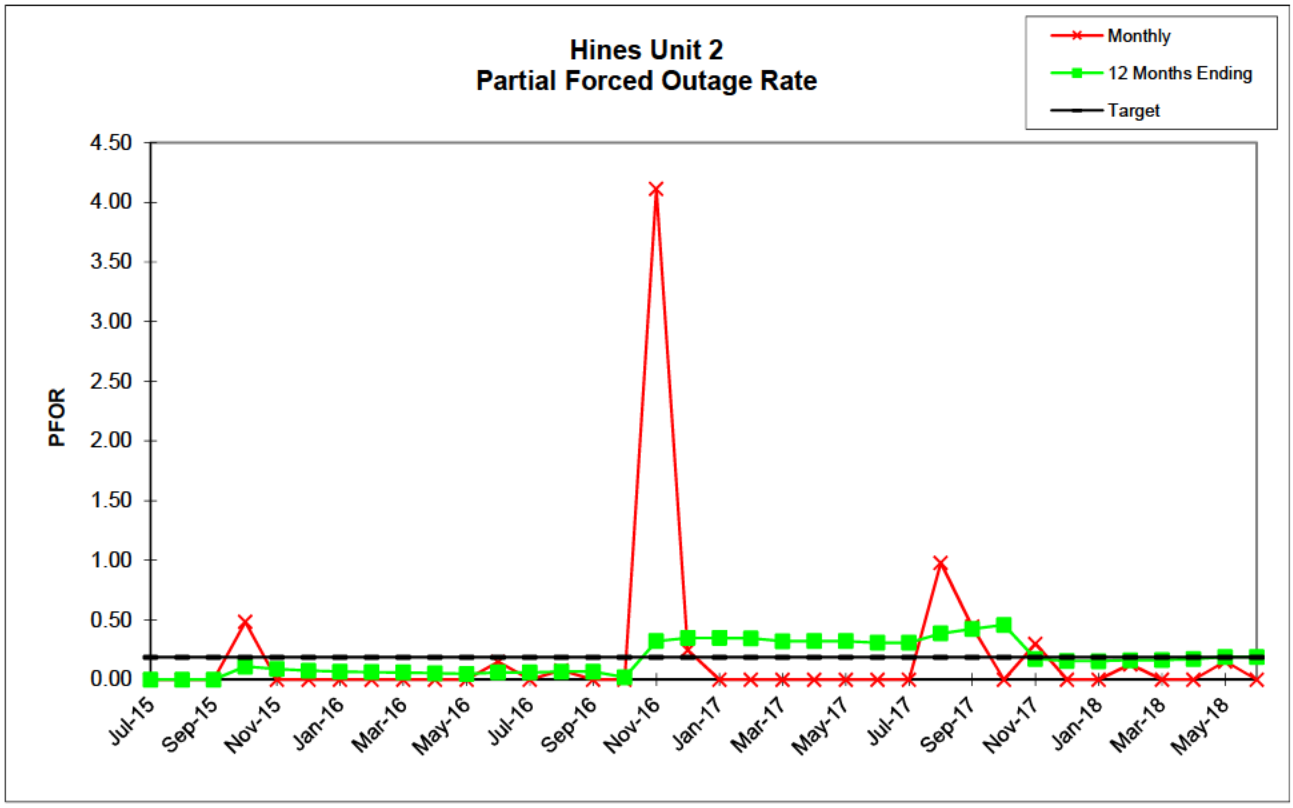
	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
PER HOURS	720.00	744.00	720.00	744.00	744.00	720.00	744.00	721.00	744.00	744.00	672.00	743 00	720.00	744.00	720.00
SER HOURS	672.69	744.00	720.00	738.76	719.49	507.02	148.41	654.39	487.29	693.32	464.52	669.67	313.00	703.73	720.00
RSH	47.31	0.00	0 00	0.00	0.00	14.89	95.14	58.38	256.71	50.68	204.00	2.22	0.01	0.59	0.00
UH	0.00	0.00	0 00	5.24	24.51	198.09	500.45	8.23	0.00	0.00	3.48	71.10	406.99	39.68	0.00
POH	0.00	0.00	0 00	0.00	0.00	193.92	500.45	0.00	0.00	0.00	0.00	0.00	406.99	33.66	0.00
FOH	0.00	0.00	0 00	0.00	24.51	4.17	0.00	8.23	0.00	0.00	3.48	71.10	0.00	6.02	0.00
MOH	0.00	0.00	0 00	5.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PFOH	0.00	0.00	0 00	0.00	28.96	9.20	0.00	9.13	0.00	0.00	3.42	0.00	0.00	6.20	0.00
LRPF	0.00	0.00	0 00	0.00	132.44	133.33	0.00	117.43	0.00	0.00	92.32	0.00	0.00	90.96	0.00
EFOH	0.00	0.00	0 00	0.00	7.04	2.25	0.00	1.97	0.00	0.00	0.60	0.00	0.00	1.07	0.00
PMOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LRPM	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NPC	545.00	545.00	545.00	545 00	545.00	545.00	545.00	545.00	545.00	527.00	527.00	527 00	527.00	527.00	527.00

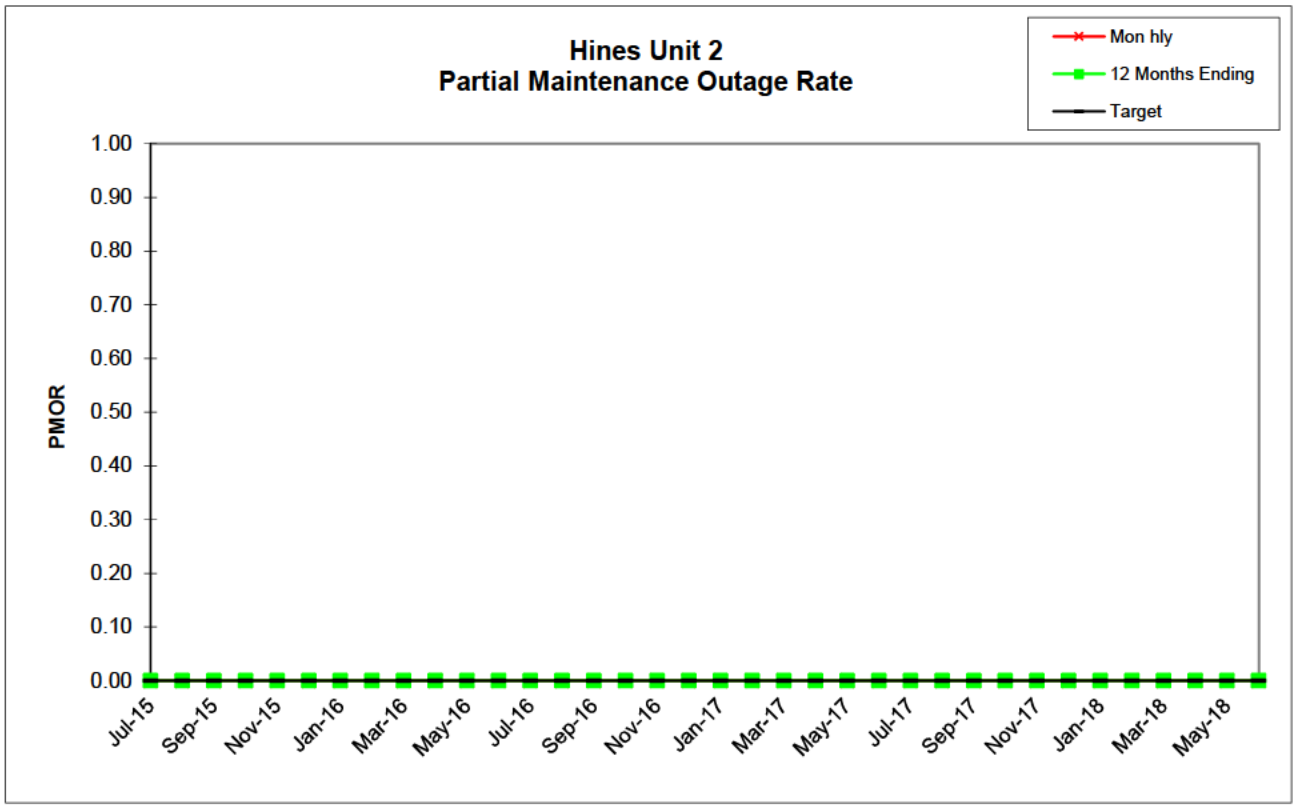
MONTHLY	**Apr-17**	**May-17**	**Jun-17**	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**	**Jun-18**
FOR	0.00	0.00	0 00	0.00	3.29	0.82	0.00	1.24	0.00	0.00	0.74	9.60	0.00	0.85	0.00
MOR	0.00	0.00	0 00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PFOR	0.00	0.00	0 00	0.00	0.98	0.44	0.00	0.30	0.00	0.00	0.13	0.00	0.00	0.15	0.00
PMOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EUOR	0.00	0.00	0 00	0.70	4.24	1.26	0.00	1.54	0.00	0.00	0.87	9.60	0.00	1.00	0.00
EUOF	0.00	0.00	0 00	0.70	4.24	0.89	0.00	1.41	0.00	0.00	0.61	9.57	0.00	0.95	0.00
POF	0.00	0.00	0 00	0.00	0.00	26.93	67.26	0.00	0.00	0.00	0.00	0.00	56.53	4.52	0.00
EAF	100.00	100.00	100.00	99.30	95.76	72.17	32.74	98.59	100.00	100.00	99.39	90.43	43.47	94.52	100.00

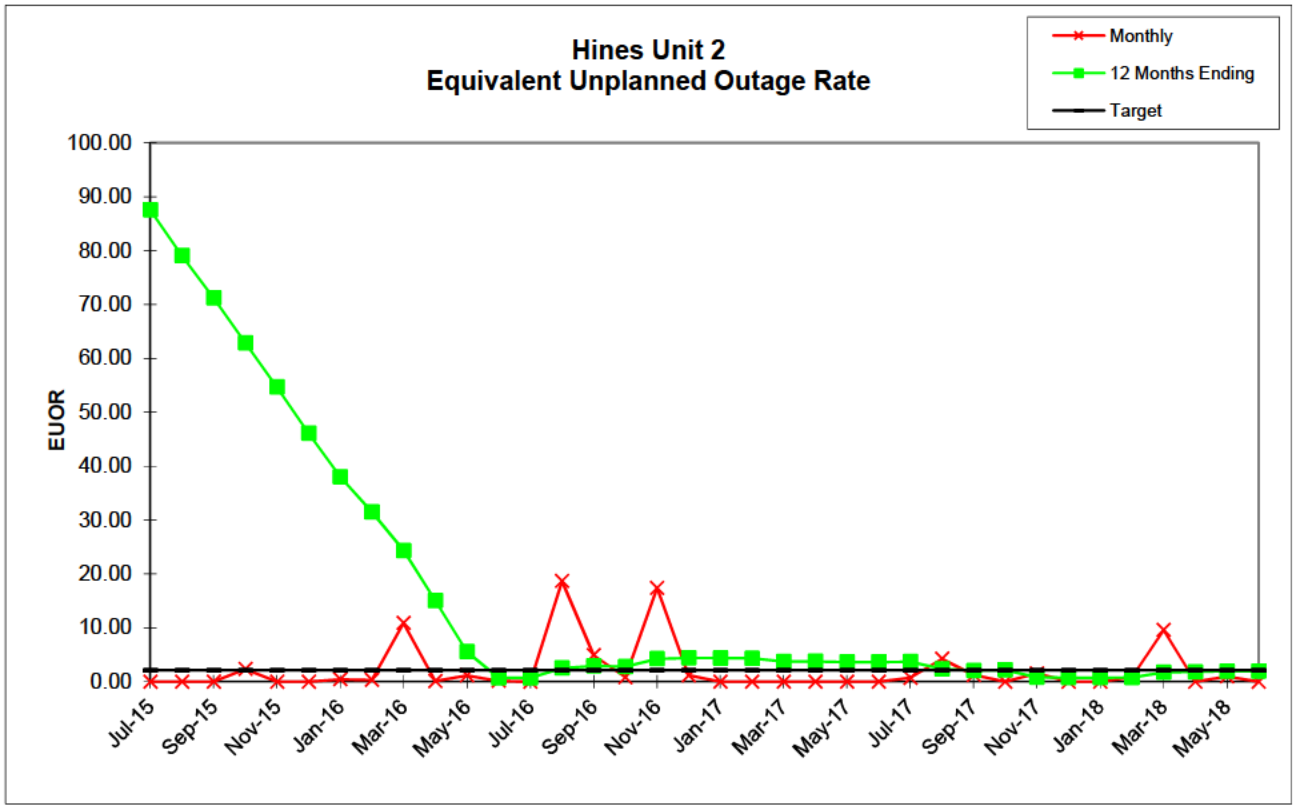
12 MONTHS	**Apr-17**	**May-17**	**Jun-17**	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**	**Jun-18**
FOR	1.54	1.50	1 50	1.50	1.55	1.54	1.66	0.58	0.51	0.51	0.55	1.52	1.60	1.69	1.69
MOR	1.98	1.91	1 91	1.97	0.47	0.15	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
PFOR	0.32	0.32	0 31	0.31	0.39	0.42	0.46	0.17	0.16	0.16	0.16	0.16	0.17	0.19	0.19
PMOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EUOR	3.77	3.66	3.65	3.71	2.39	2.09	2.18	0.83	0.74	0.73	0.78	1.75	1.84	1.95	1.95
EUOF	3.50	3.40	3 38	3.44	2.22	1.90	1.83	0.69	0.61	0.61	0.66	1.47	1.47	1.55	1.55
POF	0.00	0.00	0 00	0.00	0.00	2.21	7.93	7.93	7.93	7.93	7.93	7.93	12.57	12.96	12.96
EAF	96.50	96.60	96.62	96.56	97.78	95.89	90.25	91.38	91.46	91.46	91.42	90.61	85.96	85.49	85.49

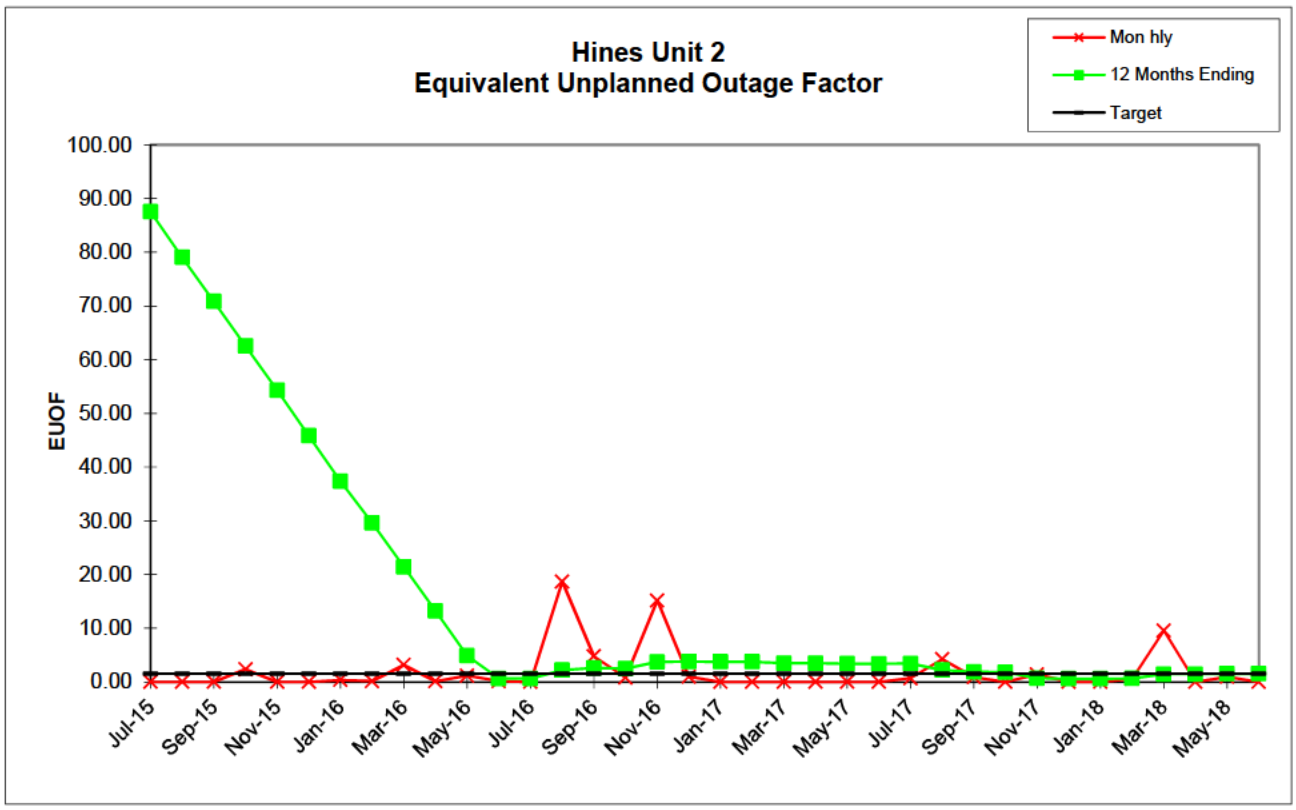

Hines Unit 2
Forced Outage Rate
Monthly
12 Months Ending
Target
FOR
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 2
Maintenance Outage Rate
Monthly
12 Months Ending
Target
MOR
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 2
Partial Forced Outage Rate
Monthly
12 Months Ending
Target
PFOR
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 2
Partial Maintenance Outage Rate
Mon hly
12 Months Ending
Target
PMOR
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 2
Equivalent Unplanned Outage Rate
Monthly
12 Months Ending
Target
EUOR
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 2
Equivalent Unplanned Outage Factor
Mon hly
12 Months Ending
Target
EUOF
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18

Hines
Unit 3

	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17
PER HOURS	744.00	744.00	720.00	744 00	721.00	744.00	744.00	696.00	743.00	720.00	744.00	720 00	744.00	744.00	720.00	744.00	721.00	744.00	744.00	672.00	743.00
SER HOURS	738.24	744.00	710.18	744 00	685.54	686.18	699.56	647.33	700.05	601.01	0.00	373 87	744.00	734.51	720.00	618.00	554.58	703.30	419.27	606.69	92.94
RSH	0.00	0.00	6.64	0.00	22.44	2.13	44.44	48.67	42.95	2.25	0.00	0.89	0.00	0.00	0.00	26.52	9.92	29.56	304.88	65 31	7.90
UH	5.76	0.00	3.18	0.00	13.02	55.69	0.00	0.00	0.00	116.74	744.00	345 24	0.00	9.49	0.00	99.47	156.50	11.14	19.85	0 00	642.16
POH	0.00	0.00	0 00	0.00	0.00	55.69	0.00	0.00	0.00	95.58	744.00	266 02	0.00	0.00	0.00	76.21	144.78	0.00	0.00	0 00	628 95
FOH	5.76	0.00	0 00	0.00	13.02	0.00	0.00	0.00	0.00	5.53	0 00	79 22	0.00	9.49	0.00	17.74	11.71	5.48	0.08	0 00	13.21
MOH	0.00	0.00	3.18	0.00	0.00	0.00	0.00	0.00	0.00	15.62	0.00	0.00	0.00	0.00	0.00	5.53	0.00	5.66	19.77	0 00	0.00
PFOH	14.36	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	7.05	0.09	0 00	0.00
LRPF	63.08	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	111.45	111.56	0 00	0.00
EFOH	1.86	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.02	0 00	0.00
PMOH	0.43	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.68	0 00	0.00
LRPM	41.88	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.04	0 00	0.00
EMOH	0.04	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.60	0 00	0.00
NPC	488.00	488.00	488.00	488 00	488.00	488.00	544.00	544.00	544.00	544.00	544.00	544 00	544.00	544.00	544.00	544.00	544.00	544.00	543.00	543.00	543.00

MONTHLY	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**	**Jan-17**	**Feb-17**	**Mar-17**
FOR	0.77	0.00	0 00	0.00	1.86	0.00	0.00	0.00	0.00	0.91	0 00	17.48	0.00	1.28	0.00	2.79	2.07	0.77	0.02	0 00	12.44
MOR	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	2.53	0 00	0.00	0.00	0.00	0.00	0.89	0.00	0.80	4.50	0 00	0.00
PFOR	0.25	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0 00	0.00
PMOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0 00	0.00
EUOR	1.03	0.00	0.45	0.00	1.86	0.00	0.00	0.00	0.00	3.40	0 00	17.48	0.00	1.28	0.00	3.63	2.07	1.76	5.57	0 00	12.44
EUOF	1.03	0.00	0.44	0.00	1.81	0.00	0.00	0.00	0.00	2.94	0 00	11 00	0.00	1.28	0.00	3.13	1.62	1.69	3.29	0 00	1.78
POF	0.00	0.00	0 00	0.00	0.00	7.49	0.00	0.00	0.00	13.28	100.00	36 95	0.00	0.00	0.00	10.24	20.08	0.00	0.00	0 00	84.65
EAF	98.97	100.00	99 56	100.00	98.19	92.51	100.00	100.00	100.00	83.79	0.00	52 05	100.00	98.72	100.00	86.63	78.30	98.31	96.71	100.00	13.57

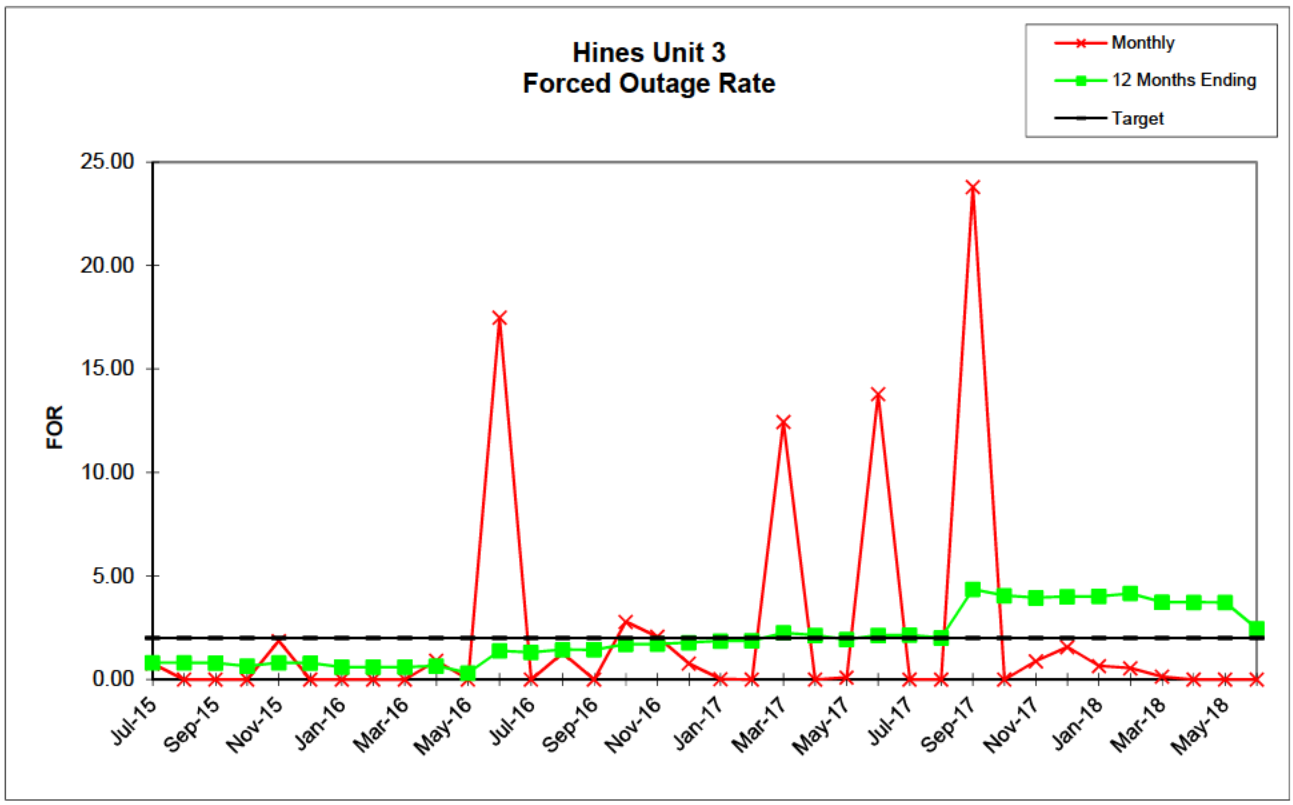
12 MONTHS	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Nov-15**	**Dec-15**	**Jan-16**	**Feb-16**	**Mar-16**	**Apr-16**	**May-16**	**Jun-16**	**Jul-16**	**Aug-16**	**Sep-16**	**Oct-16**	**Nov-16**	**Dec-16**	**Jan-17**	**Feb-17**	**Mar-17**
FOR	0.81	0.81	0.79	0.65	0.81	0.80	0.60	0.60	0.60	0.66	0 32	1.39	1.32	1.44	1.44	1.70	1.72	1.79	1.86	1 87	2.26
MOR	3.29	3.29	1 33	0.04	0.04	0.04	0.04	0.04	0.04	0.23	0 24	0.26	0.26	0.26	0.21	0.29	0.30	0.38	0.68	0.68	0.75
PFOR	0.03	0.03	0 03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0 02	0.03	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0 02	0.02
PMOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0 07	0.07
EUOR	4.08	4.08	2.13	0.71	0.88	0.86	0.66	0.66	0.67	0.91	0 58	1.67	1.56	1.69	1.65	1.99	2.01	2.17	2.60	2.62	3.07
EUOF	3.73	3.73	1 95	0.65	0.80	0.80	0.61	0.61	0.61	0.85	0 51	1.41	1.33	1.44	1.40	1.66	1.65	1.79	2.07	2 08	2.23
POF	5.68	5.68	5.68	5.68	5.68	6.32	6.32	6.30	6.30	4.09	10.19	13 22	13.22	13.22	13.22	14.09	15.74	15.10	15.10	15.14	22.32
EAF	90.58	90.58	92 37	93.66	93.52	92.88	93.07	93.09	93.09	95.06	89.30	85 37	85.45	85.34	85.38	84.25	82.61	83.11	82.83	82.78	75.45

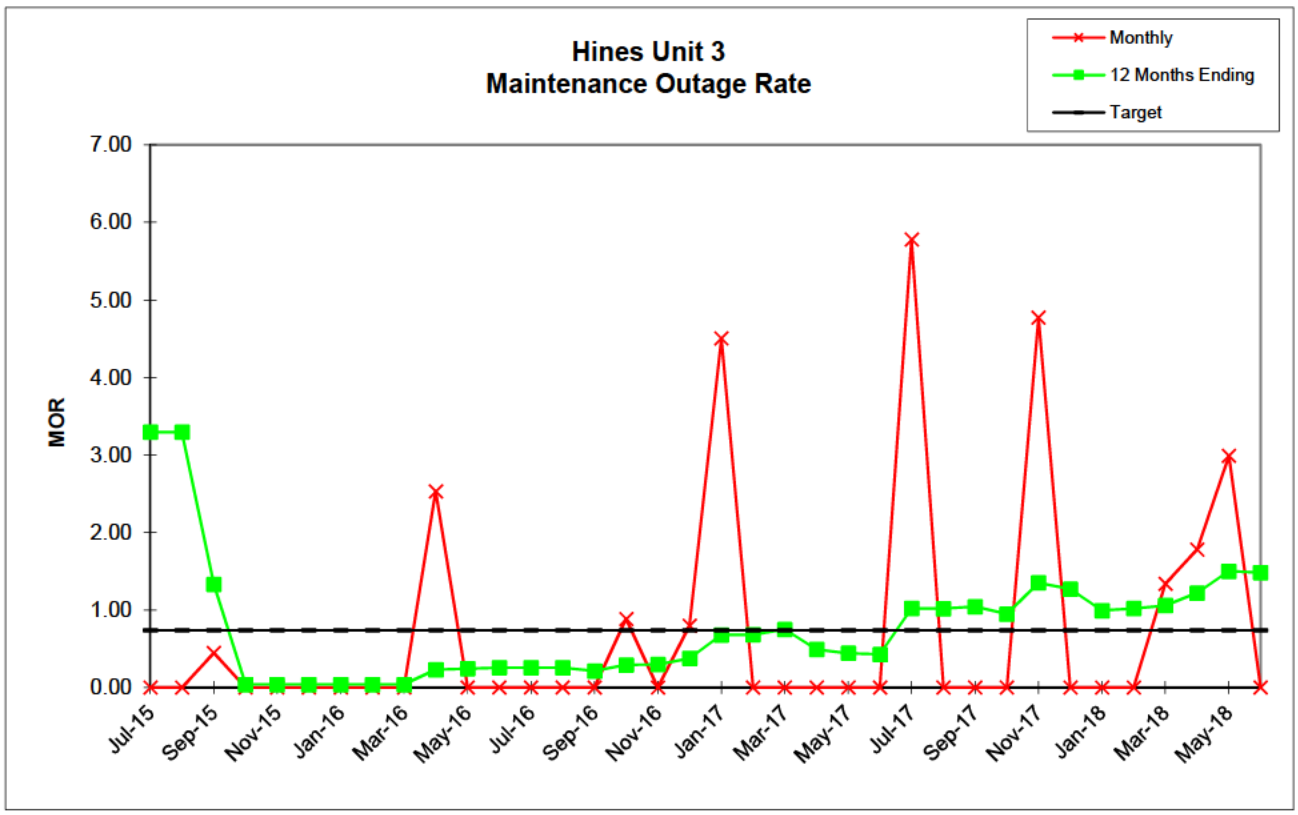
Hines
Unit 3

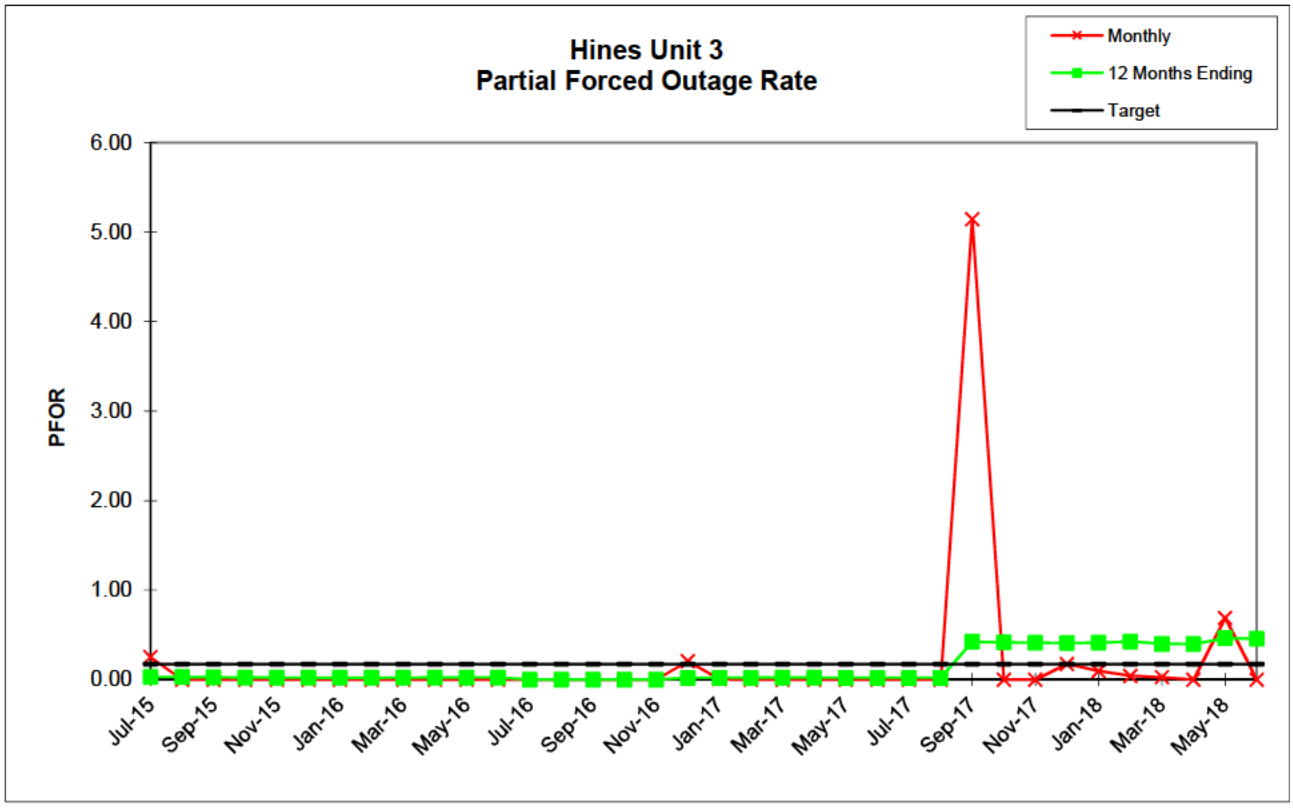
	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
PER HOURS	720.00	744.00	720.00	744.00	744.00	720.00	744.00	721.00	744.00	744.00	672.00	743 00	720.00	744.00	720.00
SER HOURS	694.72	712.01	620.74	701.00	744.00	548.72	744.00	597.58	732.16	478.31	413.24	598.18	705.76	710.57	720.00
RSH	25.28	31.25	0 00	0.00	0.00	0.00	0.00	88.09	0.17	262.50	256.47	135 86	1.44	11.55	0.00
UH	0.00	0.74	99 26	43.00	0.00	171.28	0.00	35.33	11.66	3.18	2.28	8.96	12.80	21.89	0.00
POH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FOH	0.00	0.74	99 26	0.00	0.00	171.28	0.00	5.37	11.66	3.18	2.28	0.84	0.00	0.00	0.00
MOH	0.00	0.00	0 00	43.00	0.00	0.00	0.00	29.95	0.00	0.00	0.00	8.11	12.80	21.89	0.00
PFOH	0.00	0.00	0 00	0.00	0.00	137.97	0.00	0.00	6.22	2.94	1.11	0.98	0.00	39.40	0.00
LRPF	0.00	0.00	0 00	0.00	0.00	111.06	0.00	0.00	112.04	81.03	80.98	81 33	0.00	64.74	0.00
EFOH	0.00	0.00	0 00	0.00	0.00	28.22	0.00	0.00	1.28	0.46	0.17	0.15	0.00	4.90	0.00
PMOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	19.34	0.00	0.00	0.00	7.93	12.50	9.07	0.00
LRPM	0.00	0.00	0 00	0.00	0.00	0.00	0.00	108.08	0.00	0.00	0.00	82 96	81.65	83.99	0.00
EMOH	0.00	0.00	0 00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00	1.26	1.96	1.46	0.00
NPC	543.00	543.00	543.00	543 00	543.00	543.00	543.00	543.00	543.00	521.00	521.00	521 00	521.00	521.00	521.00

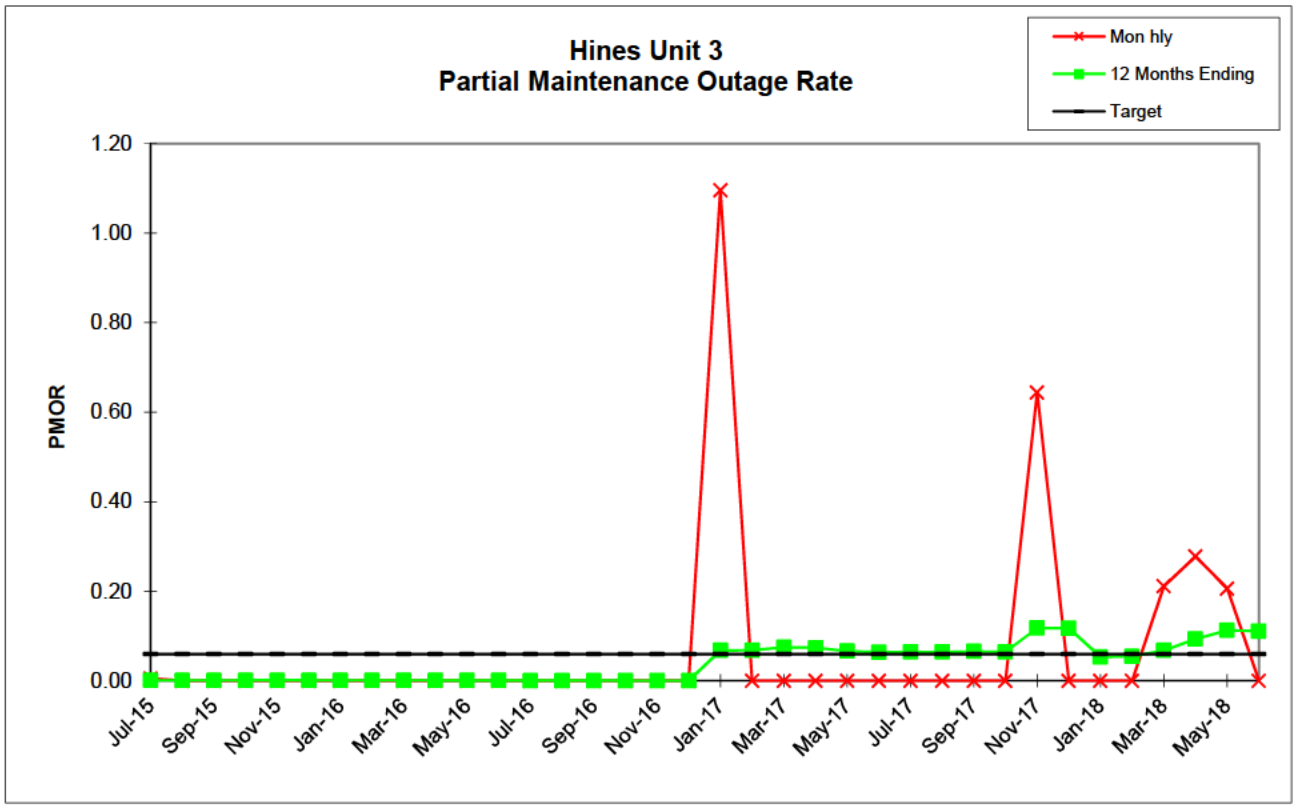
MONTHLY	**Apr-17**	**May-17**	**Jun-17**	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**	**Jun-18**
FOR	0.00	0.10	13.79	0.00	0.00	23.79	0.00	0.89	1.57	0.66	0.55	0.14	0.00	0.00	0.00
MOR	0.00	0.00	0 00	5.78	0.00	0.00	0.00	4.77	0.00	0.00	0.00	1.34	1.78	2.99	0.00
PFOR	0.00	0.00	0 00	0.00	0.00	5.14	0.00	0.00	0.18	0.10	0.04	0.03	0.00	0.69	0.00
PMOR	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.21	0.28	0.21	0.00
EUOR	0.00	0.10	13.79	5.78	0.00	27.71	0.00	6.19	1.74	0.76	0.59	1.71	2.05	3.86	0.00
EUOF	0.00	0.10	13.79	5.78	0.00	27.71	0.00	5.43	1.74	0.49	0.36	1.40	2.05	3.80	0.00
POF	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EAF	100.00	99.90	86 21	94.22	100.00	72.29	100.00	94.57	98.26	99.51	99.64	98.60	97.95	96.20	100.00

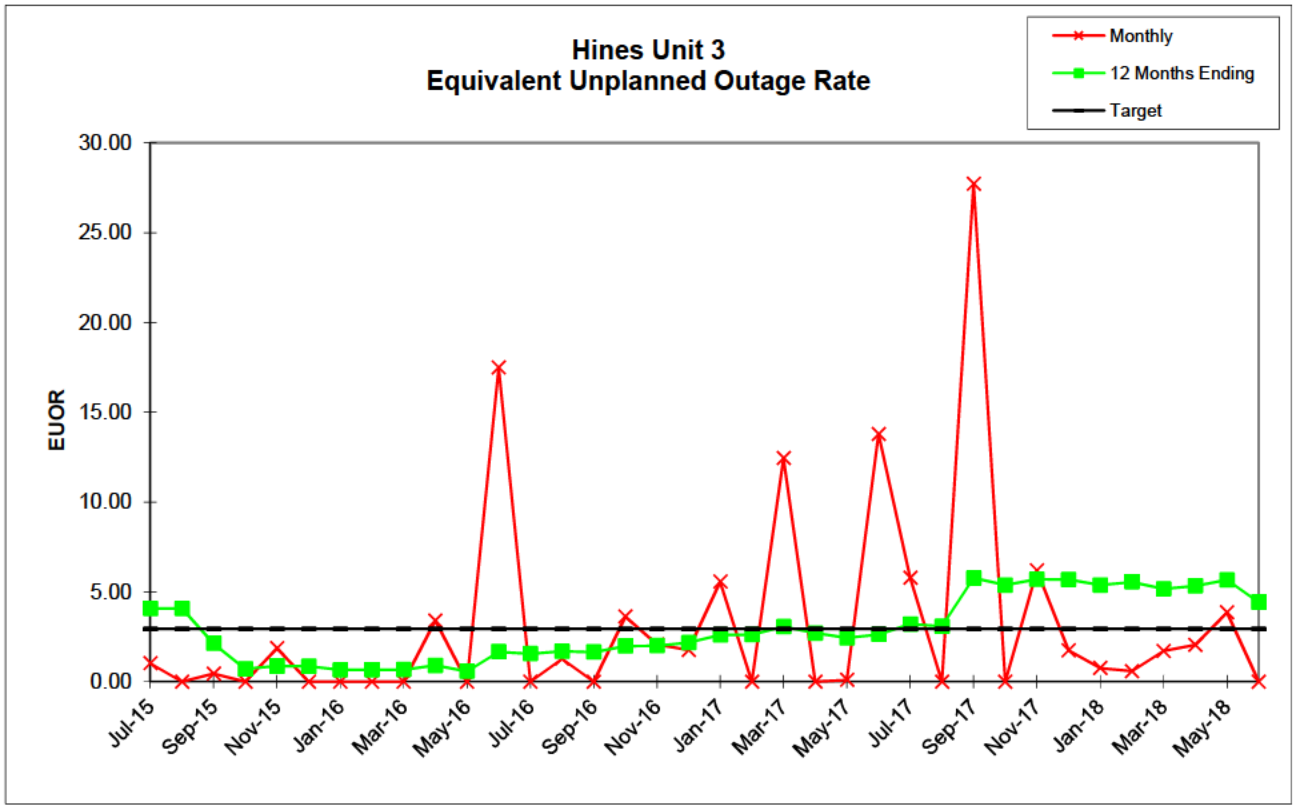
12 MONTHS	**Apr-17**	**May-17**	**Jun-17**	**Jul-17**	**Aug-17**	**Sep-17**	**Oct-17**	**Nov-17**	**Dec-17**	**Jan-18**	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**	**Jun-18**
FOR	2.14	1.94	2.14	2.15	2.02	4.36	4.05	3.95	4.01	4.02	4.16	3.74	3.73	3.73	2.47
MOR	0.49	0.44	0.43	1.02	1.02	1.04	0.95	1.35	1.27	0.99	1.02	1.06	1.22	1.50	1.48
PFOR	0.02	0.02	0 02	0.02	0.02	0.42	0.42	0.41	0.41	0.41	0.43	0.40	0.40	0.46	0.46
PMOR	0.07	0.07	0 06	0.06	0.06	0.07	0.06	0.12	0.12	0.05	0.05	0.07	0.09	0.11	0.11
EUOR	2.71	2.45	2.63	3.21	3.08	5.77	5.38	5.70	5.68	5.38	5.55	5.16	5.33	5.66	4.42
EUOF	1.99	1.99	2 22	2.71	2.61	4.88	4.62	4.93	4.93	4.70	4.73	4.69	4.86	5.18	4.04
POF	21.23	12.74	9.70	9.70	9.70	9.70	8.83	7.18	7.18	7.18	7.18	0.00	0.00	0.00	0.00
EAF	76.78	85.27	88 07	87.58	87.69	85.41	86.55	87.89	87.89	88.12	88.10	95 31	95.14	94.82	95.96

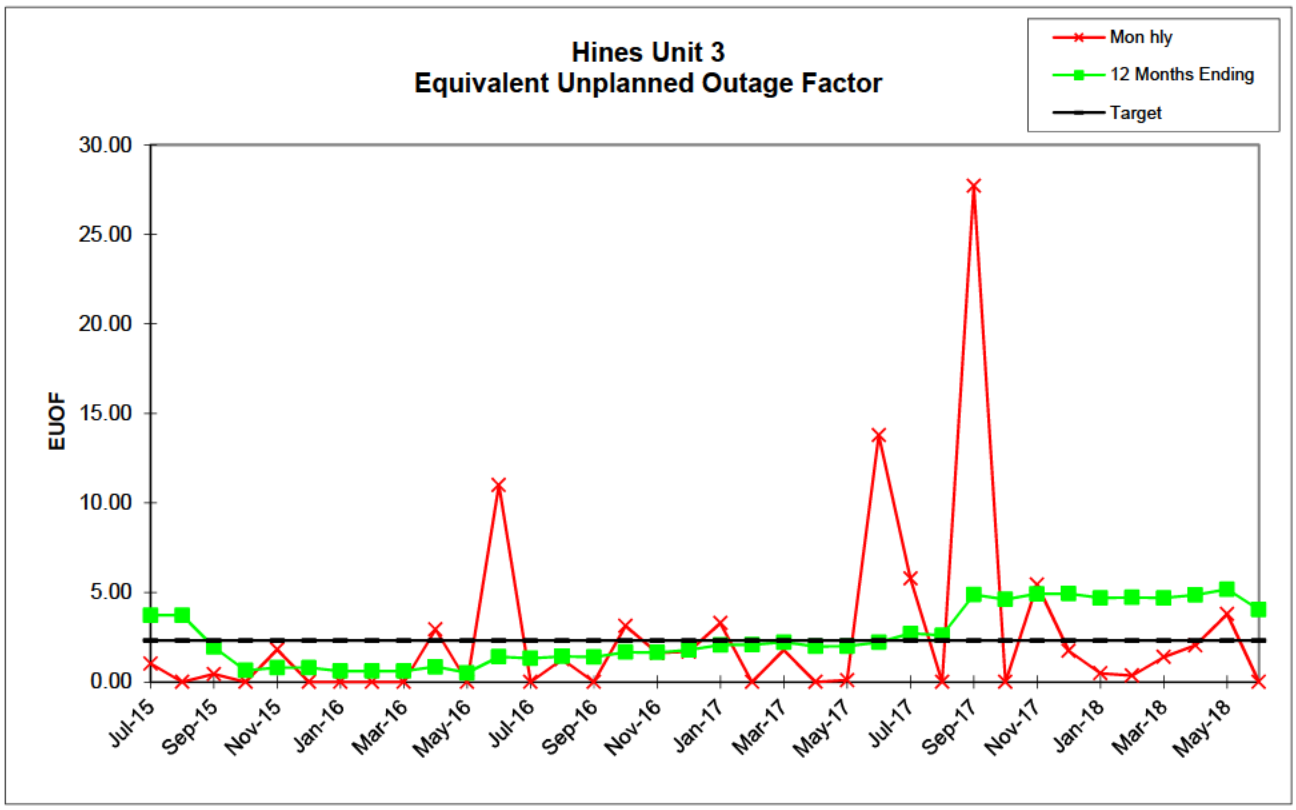

Hines Unit 3
Forced Outage Rate
Monthly
12 Months Ending
Target
FOR
25.00
20.00
15.00
10.00
5.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 3
Maintenance Outage Rate
Monthly
12 Months Ending
Target
MOR
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 3
Partial Forced Outage Rate
Monthly
12 Months Ending
Target
PFOR
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 3
Partial Maintenance Outage Rate
Mon hly
12 Months Ending
Target
PMOR
1.20
1.00
0.80
0.60
0.40
0.20
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 3
Equivalent Unplanned Outage Rate
Monthly
12 Months Ending
Target
EUOR
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 3
Equivalent Unplanned Outage Factor
Mon hly
12 Months Ending
Target
EUOF
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18

Hines
Unit 4

	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
PER HOURS	744.00	744.00	720.00	744.00	721.00	744.00	744.00	696.00	743.00	720 00	744.00	720 00	744.00	744.00	720.00	744.00	721.00	744.00
SER HOURS	744.00	744.00	692.25	188.05	479.78	564.85	713.48	696.00	743.00	720 00	569.39	6.08	0.00	167.28	720.00	574.12	440.25	404.42
RSH	0.00	0.00	27.75	0.00	10.56	19.62	23.97	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	38.63	9.60	2.84
UH	0.00	0.00	0.00	555.95	230.66	159.53	6.55	0.00	0.00	0 00	174.61	713 91	744.00	576.72	0.00	131.25	271.15	336.74
POH	0.00	0.00	0.00	555.95	230.66	148.82	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	130.53	230.12	320.04
FOH	0.00	0.00	0.00	0.00	0.00	10.71	6.55	0.00	0.00	0 00	157.21	713.91	744.00	576.72	0.00	0.73	0.32	0.00
MOH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	17.40	0.00	0.00	0.00	0.00	0.00	40.71	16.70
PFOH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	203.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LRPF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	59.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EFOH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	22.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PMOH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LRPM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EMOH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NPC	472.00	472.00	472.00	472.00	472.00	472.00	528.00	528.00	528.00	528 00	528.00	528 00	528.00	528.00	528.00	528.00	528.00	528.00

MONTHLY	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
FOR	0.00	0.00	0.00	0.00	0.00	1.86	0.91	0.00	0.00	0 00	21.64	99.16	100.00	77.52	0.00	0.13	0.07	0.00
MOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	2.97	0.00	0.00	0.00	0.00	0.00	8.46	3.97
PFOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	4.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PMOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EUOR	0.00	0.00	0.00	0.00	0.00	1.86	0.91	0.00	0.00	0 00	26.54	99.16	100.00	77.52	0.00	0.13	8.53	3.97
EUOF	0.00	0.00	0.00	0.00	0.00	1.44	0.88	0.00	0.00	0 00	26.54	99.15	100.00	77.52	0.00	0.10	5.69	2.24
POF	0.00	0.00	0.00	74.72	31.99	20.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	17.54	31.92	43.02
EAF	100.00	100.00	100.00	25.28	68.01	78.56	99.12	100.00	100.00	100 00	73.46	0.85	0.00	22.48	100.00	82.36	62.39	54.74

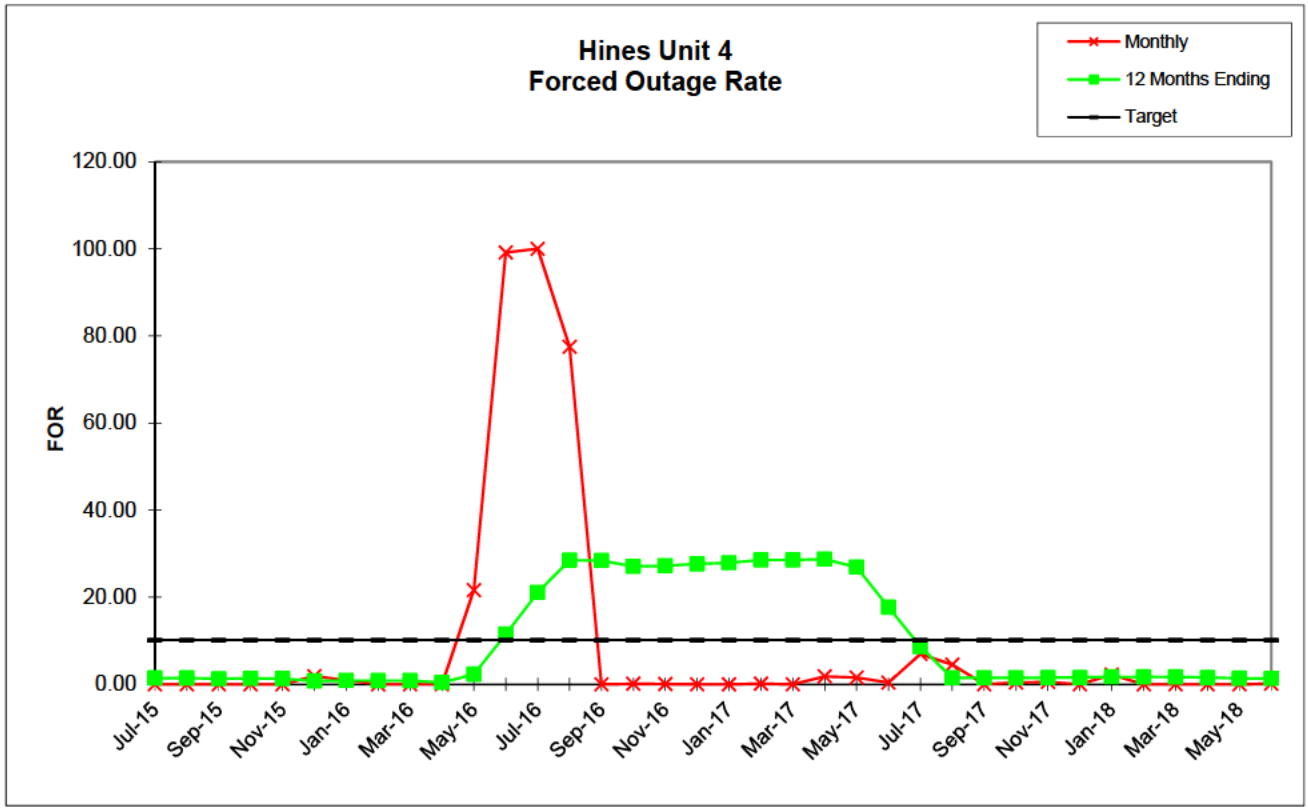
12 MONTHS	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
FOR	1.44	1.44	1.28	1.35	1.29	0.76	0.85	0.84	0.84	0.41	2.28	11.46	21.06	28.51	28.41	27.07	27.20	27.65
MOR	0.83	0.83	0.67	0.71	0.68	0.00	0.00	0.00	0.00	0 00	0.23	0.25	0.28	0.31	0.31	0.29	0.97	1.28
PFOR	0.69	0.69	0.65	0.32	0.14	0.00	0.00	0.00	0.00	0 00	0.30	0.33	0.37	0.41	0.41	0.38	0.39	0.40
PMOR	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EUOR	2.96	2.96	2.57	2.36	2.09	0.76	0.85	0.84	0.84	0.42	2.80	11.96	21.54	28.96	28.86	27.50	28.00	28.61
EUOF	2.66	2.66	2.30	2.00	1.85	0.67	0.75	0.74	0.74	0 37	2.47	10.57	19.04	25.61	25.61	25.62	26.08	26.15
POF	4.03	4.03	4.03	10.37	8.98	10.68	10.68	10.65	10.65	10.65	10.65	10.65	10.65	10.65	10.65	5.81	5.80	7.75
EAF	93.32	93.32	93.67	87.63	89.17	88.65	88.58	88.61	88.61	88 98	86.89	78.78	70.31	63.74	63.74	68.58	68.12	66.10

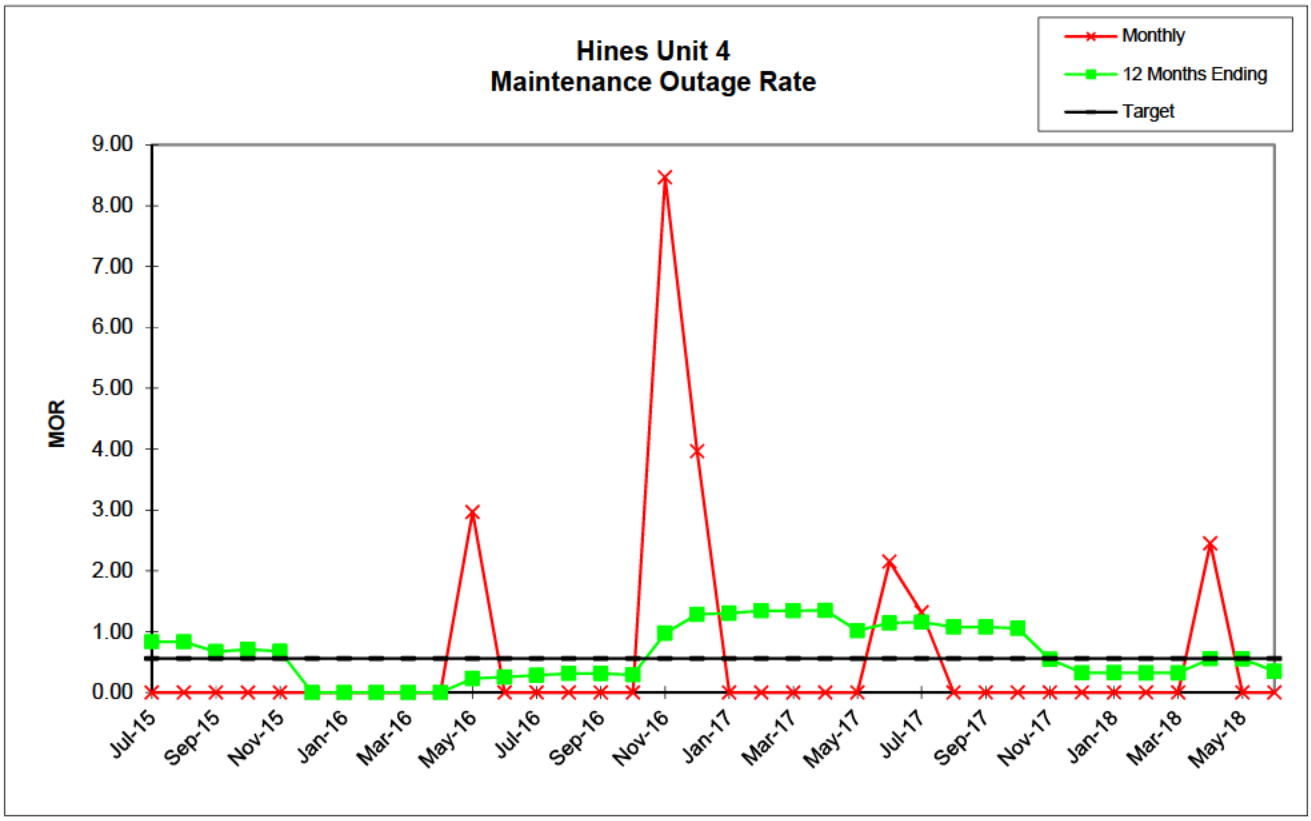
Hines
Unit 4

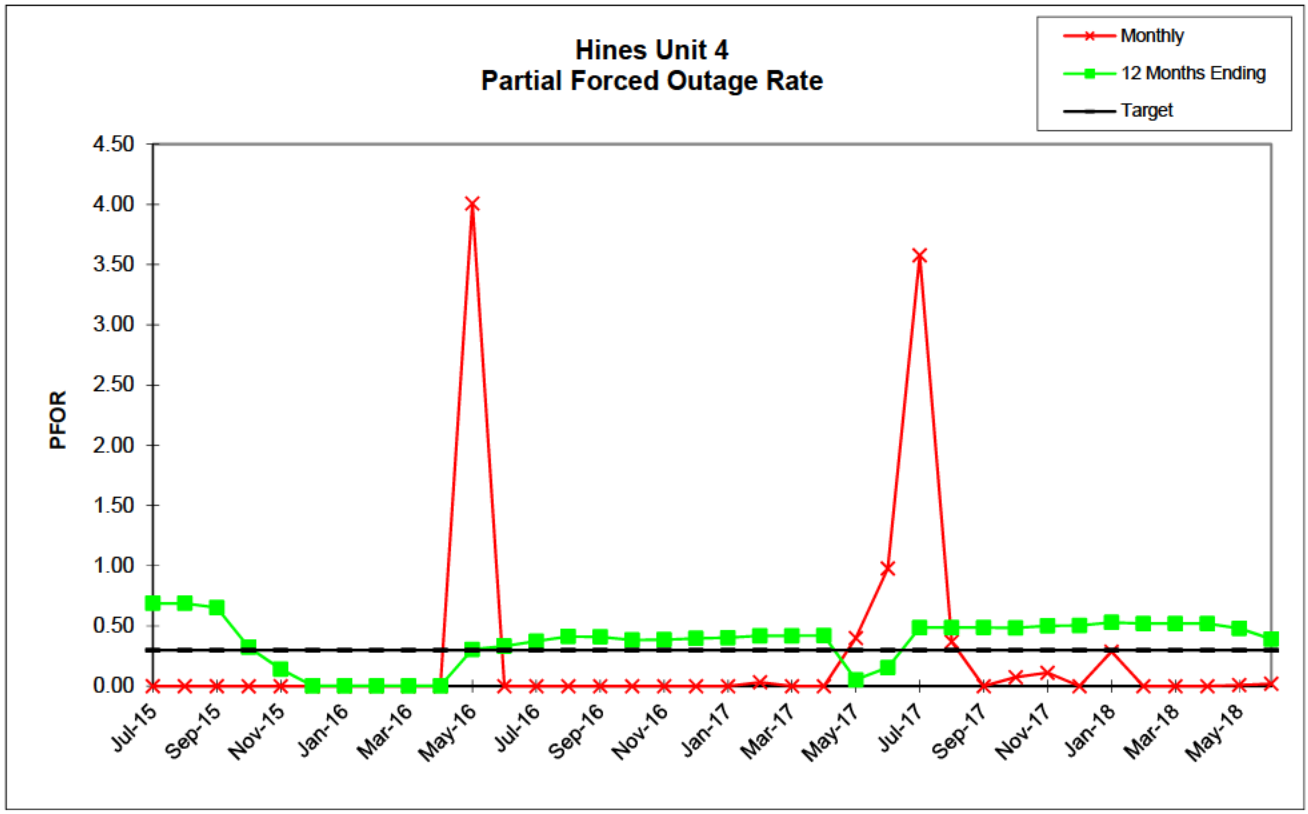
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
PER HOURS	744.00	672.00	743.00	720.00	744.00	720.00	744.00	744.00	720.00	744 00	721.00	744 00	744.00	672.00	743.00	720.00	744.00	720.00
SER HOURS	627.78	522.95	743.00	693.40	696.30	683.45	675.38	708.20	711.67	741 07	212.06	377.19	574.23	630.03	743.00	697.74	744.00	718.97
RSH	116.22	148.30	0.00	0.00	36.82	18.81	9.16	2.29	8.33	0 00	18.28	78.42	156.80	41.97	0.00	4.75	0.00	0.00
UH	0.00	0.75	0.00	26.60	10.88	17.74	59.46	33.51	0.00	2 93	490.66	288.39	12.97	0.00	0.00	17.52	0.00	1.03
POH	0.00	0.00	0.00	13.83	0.00	0.00	0.00	0.00	0.00	0 00	489.55	288.39	0.00	0.00	0.00	0.00	0.00	0.00
FOH	0.00	0.75	0.00	12.76	10.88	2.72	50.46	33.51	0.00	2 93	1.11	0.00	12.97	0.00	0.00	0.00	0.00	1.03
MOH	0.00	0.00	0.00	0.00	0.00	15.02	9.01	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	17.52	0.00	0.00
PFOH	0.00	0.84	0.00	0.00	12.25	50.05	171.67	20.32	0.00	3 30	1.25	0.00	11.99	0.00	0.00	0.00	0.58	0.97
LRPF	0.00	106.85	0.00	0.00	119.76	70.27	74.14	67.81	0.00	87.68	99.69	0.00	69.17	0.00	0.00	0.00	54.26	76.15
EFOH	0.00	0.17	0.00	0.00	2.78	6.67	24.15	2.61	0.00	0 55	0.24	0.00	1.65	0.00	0.00	0.00	0.06	0.15
PMOH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	16.52	0.00	0.00
LRPM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	78.14	0.00	0.00
EMOH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	2.56	0.00	0.00
NPC	527.00	527.00	527.00	527.00	527.00	527.00	527.00	527.00	527.00	527 00	527.00	527 00	504.00	504.00	504.00	504.00	504.00	504.00

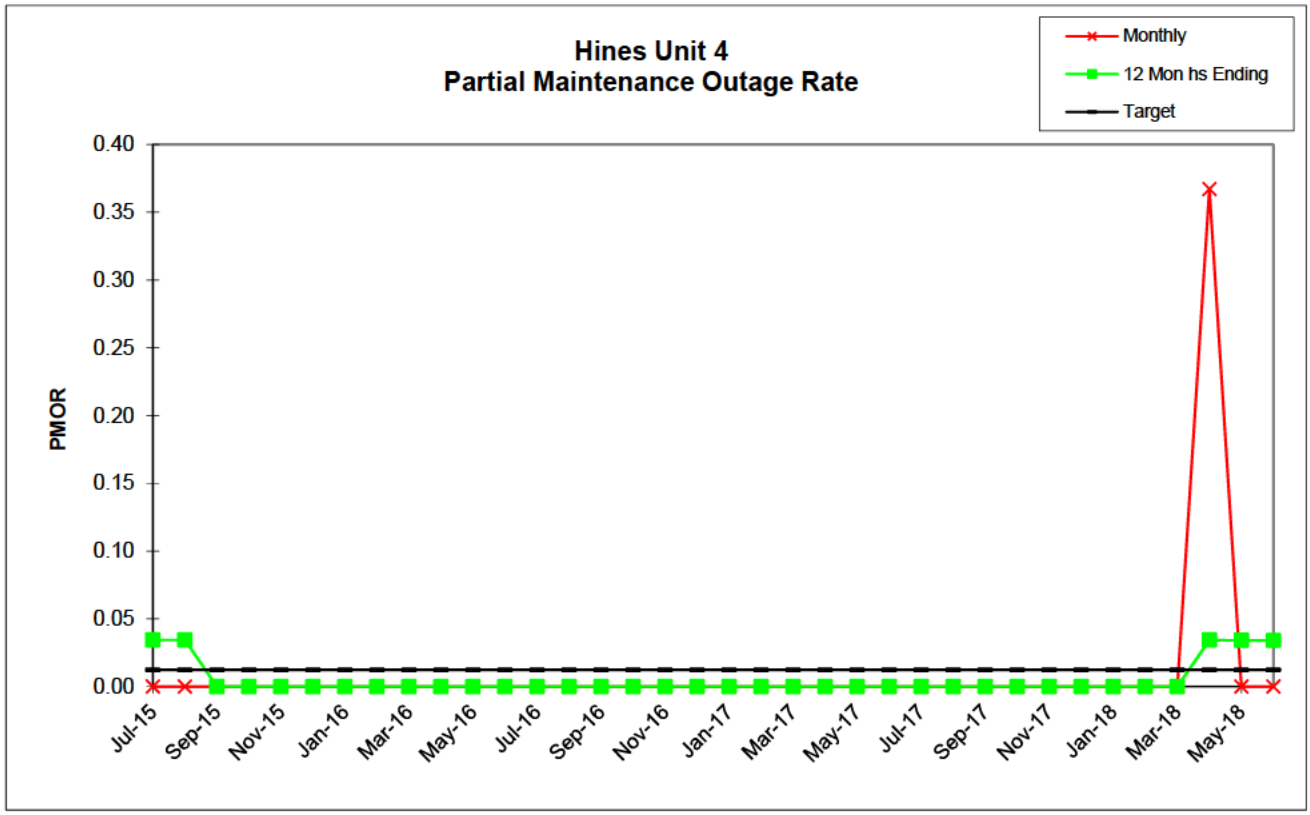
MONTHLY	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
FOR	0.00	0.14	0.00	1.81	1.54	0.40	6.95	4.52	0.00	0 39	0.52	0.00	2.21	0.00	0.00	0.00	0.00	0.14
MOR	0.00	0.00	0.00	0.00	0.00	2.15	1.32	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	2.45	0.00	0.00
PFOR	0.00	0.03	0.00	0.00	0.40	0.98	3.58	0.37	0.00	0 07	0.11	0.00	0.29	0.00	0.00	0.00	0.01	0.02
PMOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00
EUOR	0.00	0.18	0.00	1.81	1.93	3.48	11.38	4.87	0.00	0.47	0.63	0.00	2.49	0.00	0.00	2.81	0.01	0.16
EUOF	0.00	0.14	0.00	1.77	1.84	3.39	11.24	4.86	0.00	0.47	0.19	0.00	1.96	0.00	0.00	2.79	0.01	0.16
POF	0.00	0.00	0.00	1.92	0.00	0.00	0.00	0.00	0.00	0 00	67.90	38.76	0.00	0.00	0.00	0.00	0.00	0.00
EAF	100.00	99.86	100.00	96.31	98.16	96.61	88.76	95.14	100.00	99 53	31.91	61.24	98.04	100.00	100.00	97.21	99.99	99.84

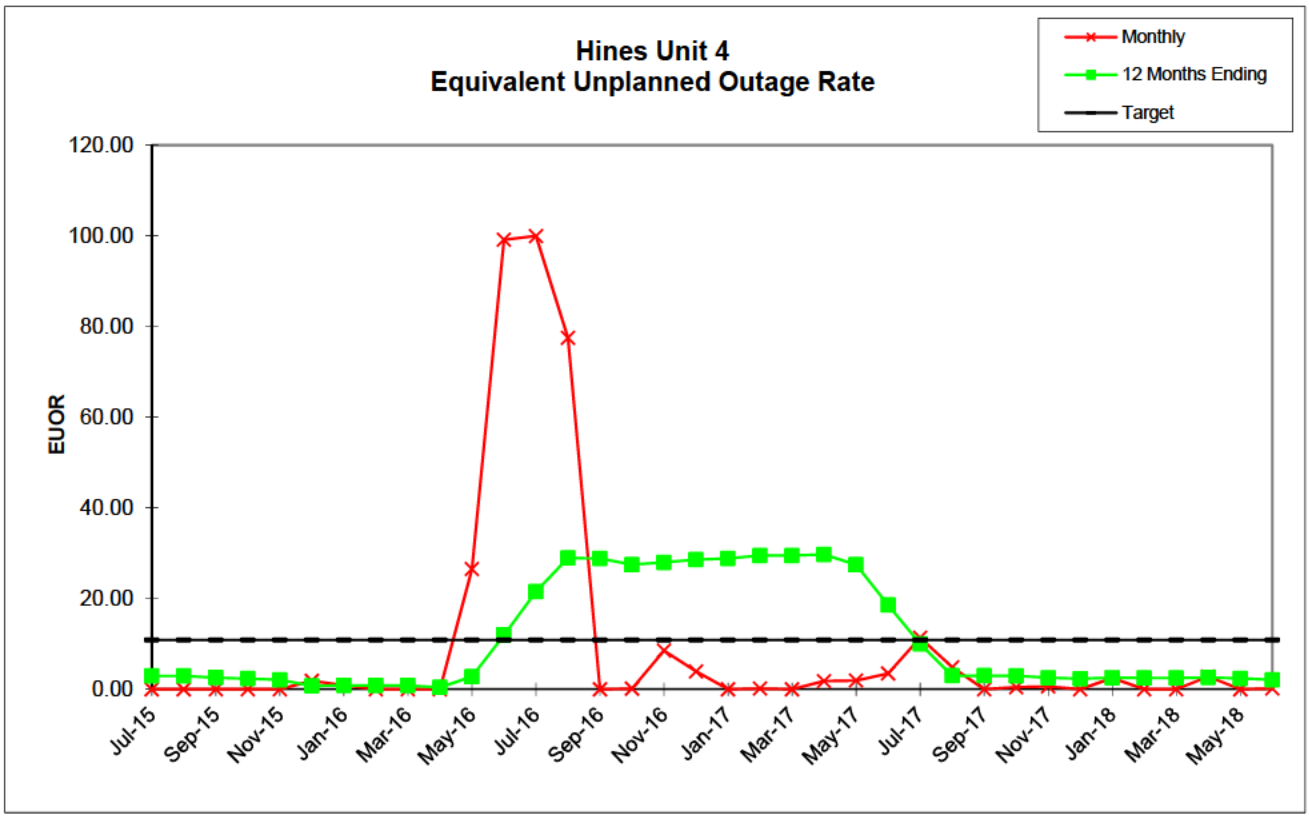
12 MONTHS	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
FOR	27.90	28.53	28.53	28.75	26.91	17.70	8.62	1.48	1.48	1.47	1.53	1.53	1.72	1.68	1.68	1.51	1.36	1.34
MOR	1.30	1.34	1.34	1.35	1.02	1.14	1.16	1.08	1.08	1 05	0.55	0.32	0.33	0.32	0.32	0.55	0.55	0.35
PFOR	0.40	0.42	0.42	0.42	0.05	0.15	0.49	0.49	0.49	0.48	0.50	0.50	0.53	0.52	0.52	0.52	0.48	0.39
PMOR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0 00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03
EUOR	28.86	29.51	29.51	29.73	27.49	18.60	10.03	2.99	3.00	2 97	2.55	2.34	2.55	2.50	2.50	2.59	2.40	2.09
EUOF	26.08	26.16	26.16	26.30	24.21	16.33	8.80	2.63	2.63	2.66	2.20	2.01	2.18	2.17	2.17	2.25	2.10	1.83
POF	7.75	7.77	7.77	7.93	7.93	7.93	7.93	7.93	7.93	6.44	9.40	9.04	9.04	9.04	9.04	8.88	8.88	8.88
EAF	66.17	66.07	66.07	65.77	67.87	75.74	83.28	89.45	89.45	90 91	88.40	88.95	88.78	88.79	88.79	88.87	89.02	89.29

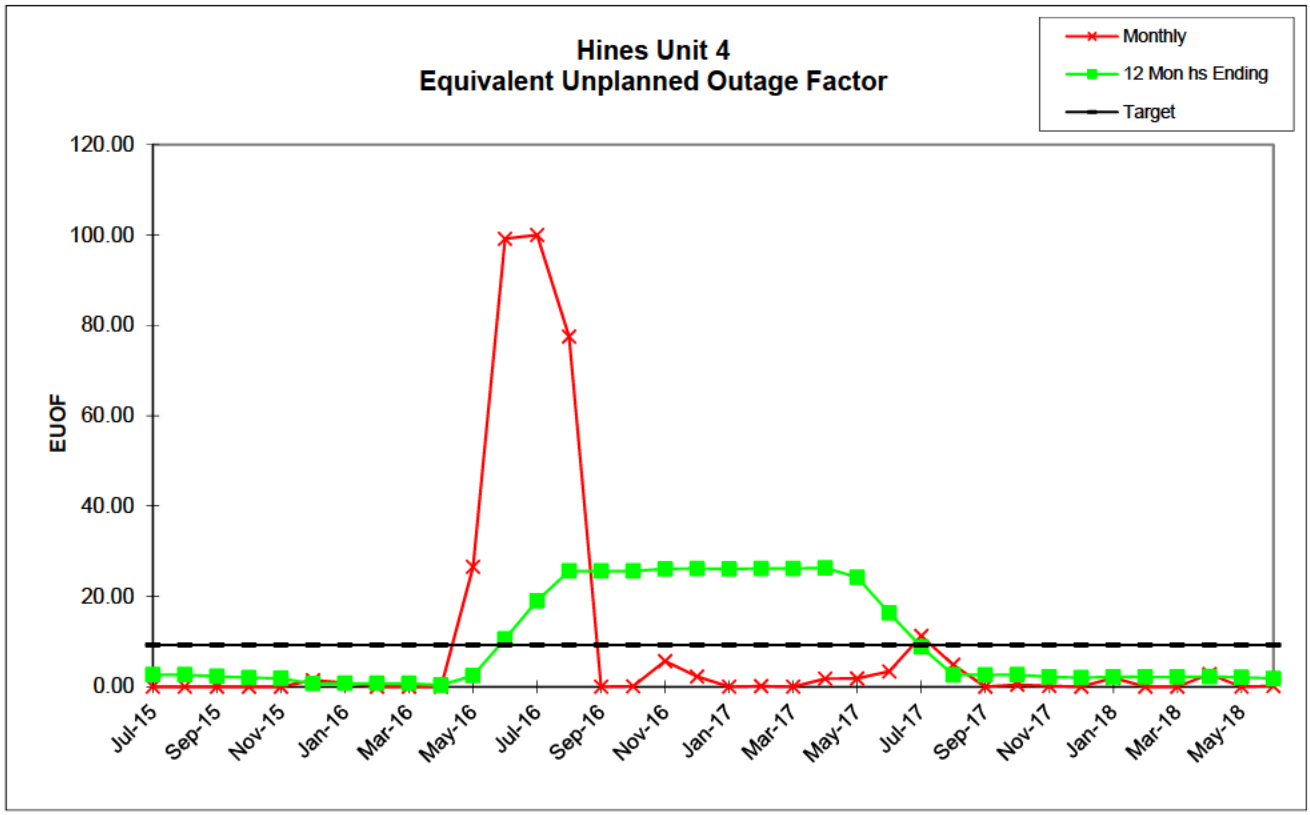

Hines Unit 4
Forced Outage Rate
Monthly
12 Months Ending
Target
FOR
120.00
100.00
80.00
60.00
40.00
20.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 4
Maintenance Outage Rate
Monthly
12 Months Ending
Target
MOR
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 4
Partial Forced Outage Rate
Monthly
12 Months Ending
Target
PFOR
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 4
Partial Maintenance Outage Rate
Monthly
12 Mon hs Ending
Target
PMOR
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 4
Equivalent Unplanned Outage Rate
Monthly
12 Months Ending
Target
EUOR
120.00
100.00
80.00
60.00
40.00
20.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18


Hines Unit 4
Equivalent Unplanned Outage Factor
Monthly
12 Mon hs Ending
Target
EUOF
120.00
100.00
80.00
60.00
40.00
20.00
0.00
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18