



Dianne M. Triplett
ASSOCIATE GENERAL COUNSEL

September 8, 2016

VIA ELECTRONIC FILING

Ms. Carlotta Stauffer, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: *Docket Nos. 160178-EI*

Dear Ms. Stauffer:

Please find enclosed for electronic filing on behalf of Duke Energy Florida, LLC ("DEF"), DEF's redacted Response to Staff's First Data Request for the above referenced docket.

Thank you for your assistance in this matter. Please feel free to call me at (727) 820-4692 should you have any questions concerning this filing.

Respectfully,

s/Dianne M. Triplett

Dianne M. Triplett

DMT/mw
Enclosures

Duke Energy Florida, LLC
CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail this 8th day of September, 2016 to all parties of record as indicated below.

s/Dianne M. Triplett

Attorney

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Duke Energy Florida, LLC's Response to Staff's First Data Request
Re: Docket No. 160178 – EI – Petition for Limited Proceeding for Approval to Include
in Base Rates the Revenue Requirement Associated with the Acquisition of
the Osprey Plant and Phase 2 of the Hines Chiller Uprate Project

Hines Chiller Uprate Project

1. Please provide a schedule explaining the variance in the updated cost estimate in comparison with the estimate provided in Docket No. 160128-EI.

RESPONSE:

There is no variance between the Hines Chiller Uprate Unit 4 project cost estimate provided in Exhibit C, Page 1, Line 1 in Docket 160128-EI and the project cost estimate provided in Exhibit D, Page 1, Line 1 in Docket 160178-EI. Both are a projected cost estimate of \$24.268million.

DEF has provided Attachment 1, bearing bates number DEF-160178-DR1-000327, which is a worksheet comparing the cost projection estimate and revenue requirements calculated for the Hines Chiller Uprate Project – Unit 4 in Docket No. 160128-EI and Docket No. 160178-EI.

As shown on Line 1 of Attachment 1, the total estimated cost for Unit 4 of the Hines Chiller Uprate Project did not change. However, as shown on Line 9 of Attachment 1, there is a \$17k difference in the annualized revenue requirement on Exhibit B, Page 1, Line 9 in Docket No. 160128-EI and Exhibit C, Page 1, Line 9 in Docket No. 160178-EI due to a change in DEF's Weighted Average Cost of Capital (WACC). As required by Paragraph 16(a) of the Revised and Restated Stipulation and Settlement Agreement, DEF calculated the revenue requirement using its most recent actual earnings surveillance report. For the revenue requirement calculated in Docket No. 160128-EI filed May 20, 2016, DEF used the WACC in the March 2016 surveillance report. For the revenue requirement calculated in Docket No. 160178-EI filed August 2, 2016, DEF used the WACC in the May 2016 surveillance report. The earnings surveillance report used to calculate the revenue requirement in each filing was the most recent filed with the Commission at the time of the filings.

2. Please provide documents and spreadsheets supporting the AFUDC for the Phase 2 Revenue Requirement.

RESPONSE:

Please refer to Attachment 2; bearing bates number DEF-160178-DR1-000328.

DEF calculated AFUDC on a total project basis for the Hines Chiller Uprate project. AFUDC was allocated to the two phases of the project based on a percentage of capital expenditures for each. The calculation of total AFUDC and portion allocated to phase 2 (i.e. Hines 4) can be seen in Attachment 2.

Osprey Plant Acquisition

3. Referring to the \$198.2 million capital cost estimate in Exhibit C, please provide a breakdown of that cost estimate and explain the variance in comparison with the estimate provided in Docket No. 150043-EI.

RESPONSE:

Please refer to Attachment 3; bearing bates number DEF-160178-DR1-000329.

4. Referring to the \$17.189 million O&M cost for 2017 in Page 2 of Exhibit C, please provide a breakdown of that cost estimate and explain the variance in comparison with the estimate provided in Docket No. 150043-EI.

RESPONSE:

Please refer to Attachment 4; bearing bates number DEF-160178-DR1-000330.

5. Based on the updated cost, please provide a comparison with the cumulative present value revenue requirements (CPVRR) analysis of the cost effectiveness of acquiring the Osprey Plant that was prepared by DEF in Docket No. 150043-EI and explain the variance with a spreadsheet.

RESPONSE:

Please refer to Attachment 5; bearing bates number DEF-160178-DR1-000331.

The current CPVRR associated with the Osprey Acquisition, in Docket 160178-EI, shows additional savings of \$11M compared to the estimated values for the Need Filing in Docket 150043-EI. The Fixed Costs associated with the Integration process are expected to be lower than what was estimated during the Need Filing providing more savings for the Osprey Acquisition. Capital Costs associated with Major Maintenance Capital, Capitalized Transaction fees, and Inventory are expected to be lower than what was estimated for the Need Filing providing more savings for the Osprey Acquisition. DEF's Need Filing included Combustion Turbine (CT) Rotable Parts that were going to be purchased to be kept in inventory at Osprey. DEF has determined it is possible to utilize existing CT Rotable Spares inventory at Hines to support both the Hines and

Osprey plants. Variable Costs associated with Routine and Major Maintenance O&M are expected to be higher than what was estimated during the Need Filing. The maintenance costs for years 2017 to 2019 were adjusted to reflect DEF's proposed Outage O&M deferral. The increase in Variable Costs has been offset by the reduction in Fixed and Capital Costs. The impact of these changes results in total additional savings of \$11M, as compared to the CPVRR analysis performed in Docket 150043-EI.

6. Please provide documents supporting the routine O&M cost estimates for 2017 and explain the variance in comparison with the estimates provided in Docket No. 150043-EI. Please describe the cost components for DEF's internal costs, and if outside service providers are used, please provide the type of services provided and the contract value.

RESPONSE:

Please refer to Attachment 6; bearing bates number DEF-160178-DR1-000332, for variances between routine O&M cost estimates in the instant docket and Docket No. 150043-EI.

The approximately \$0.1 million increase in routine O&M costs is primarily due to increased contract costs resulting from backup power that must be acquired from TECO. This is partially offset by a reduction in internal labor costs due to a reduction in the original staffing plan.

The estimated internal labor costs on Attachment 6 consist of employee hourly wages, overtime, benefits and payroll taxes.

There are currently no outside services contracts for routine O&M work. However, DEF will negotiate and execute contracts with outside service providers, if necessary, as routine O&M work continues through 2017.

7. Please provide documents supporting the Major O&M cost estimates for 2017, 2018, and 2019, and explain the variance in comparison with the estimates provided in Docket No. 150043-EI. Please describe the cost components for DEF's internal costs, and if outside service providers are used, please provide the type of services provided and the contract value.

RESPONSE:

Please refer to Attachment 7; bearing bates number DEF-160178-DR1-000333, for variances between major O&M cost estimates in the instant docket and Docket No. 150043-EI for years 2017-2019.

REDACTED

In 2017, the Major O&M cost estimate is \$4.3 million (Line 15) higher in the instant docket than in Docket No. 150043-EI. This increase is driven primarily by updated cost estimates and work scope resulting from DEF's ongoing due diligence and integration planning and analysis. The updated cost estimates, including approximately \$3.6 million on Lines 5-7, are driven by actual quotes from vendors and executed contracts. Additionally, approximately \$0.5 million on Line 8 is due to a change in the HRSG Outage Capital work scope. A modular replacement, originally projected to be performed in Docket 150043-EI, is no longer necessary due to subsequent work by Calpine to replace some of the HRSG components to increase reliability. DEF now plans to perform an O&M inspection and survey of the HRSG rather than a capital replacement. A portion of the Steam Turbine and Generator Overhaul Project in 2017 will be performed by Siemens Energy Inc. at a contract value of approximately [REDACTED]. This includes both O&M and Capital work to be performed. The remaining work scope on this project is still being prepared and negotiated with outside service providers. A portion of the Combustion Turbine and Generator Major Inspection Projects in 2017 will be performed by Siemens Energy Inc. at a combined capital and O&M contract value of approximately [REDACTED]. Please also see the documents attached to this response bearing bates numbers DEF-160178-DR1-000001 through DEF-160178-DR1-000326. The attachments are confidential; redacted versions are attached hereto and unredacted versions have been filed with the Florida Public Service Commission ("Commission") along with DEF's Notice of Intent to Request Confidential Classification dated September 8, 2016.

In 2018, the Major O&M cost estimate is \$2.2 million (Line 21) higher in the instant docket than in Docket No. 150043-EI. Approximately \$1.4 million (Lines 16 and 18) is due to updated cost estimates from the Original Equipment Manufacturer for Combustion Turbine and Generator repairs. The remaining \$0.8 million is due to pump and rotating equipment overhaul work that was identified as part of ongoing integration planning and analysis.

In 2019, the Major O&M cost estimate is \$0.8 million (Line 27) higher in the instant docket than in Docket No. 150043-EI. This increase is primarily due to updated project work scopes.

Estimated internal labor costs for Major O&M work consists of employee hourly wages, overtime, benefits and payroll taxes.

A portion of the O&M Outage work in 2018 and 2019 will be performed by outside service providers; however, DEF is still in the process of determining contractor selection and negotiating pricing.

8. Please provide documents supporting the capital major maintenance cost estimates for 2017, 2018, and 2019, including the inventory/spare parts, and explain the variance in comparison with the estimates provided in Docket No. 150043-EI. Please describe the cost components for DEF's internal costs, and if outside service providers are used, please provide the type of services provided and the contract value.

RESPONSE:

Please refer to Attachment 8; bearing bates number DEF-160178-DR1-000334, for variances between Major Capital cost estimates in the instant docket and Docket No. 150043-EI for years 2017 and 2018.

REDACTED

For 2017, the Major Capital cost estimate is \$1.3 million (Line 1) lower than the estimate in Docket No. 150043-EI. Projected capital expenditures in Docket 160178-EI are appropriately \$4.9 million lower (Lines 15 and 17-19) due to updated cost estimates based on actual vendor quotes, and 2017 capital work, originally projected in Docket 150043-EI, that has been deferred. The reduction in 2017 capital expenditures is partially offset by increased costs identified during the outage planning process of approximately \$3.3 million (Lines 4-7). The 2017 capital work will be completed by both contract and DEF resources. A portion of the Combustion Turbine and Generator Major Inspection Projects in 2017 will be performed by Siemens Energy Inc. at a combined capital and O&M contract value of approximately [REDACTED]. Please also see the confidential documents produced in response to Question 7.

DEF's original projection in Docket No. 150043-EI included the purchase of approximately \$9.5 million of CT Rotable spare parts for the Osprey plant. In the instant docket, DEF no longer projects the purchase of these spare parts. DEF has determined it can rely upon existing spare parts at Hines, in the event these spare parts are needed, to serve both the Hines and Osprey plants.

For 2018, the Major Capital cost estimate is \$3.4 million (Line 27) lower than the estimate in Docket No. 150043-EI. Projected capital expenditures in Docket 160178-EI are approximately \$3.6 million lower (Lines 25 and 26) due to capital work, originally projected in Docket 150043-EI, that has been deferred. The reduction in 2018 capital expenditures is partially offset by increased costs identified during the outage planning process of approximately \$0.5 million (Lines 21 and 22). The 2018 capital work will be completed by both contract and DEF resources. A portion of the Combustion Turbine and Generator Major Inspection Projects in 2018 will be performed by Siemens Energy Inc. at a combined capital and O&M contract value of approximately [REDACTED].

For 2019, Major Capital cost estimates were not updated as part of the instant docket as these costs do not impact the Osprey acquisition revenue requirement. There are no

material changes in Major Capital cost estimated between the instant docket and Docket No. 150043-EI.

Estimated internal labor costs for Major Capital work consists of employee hourly wages, overtime, benefits and payroll taxes.

There have been no contracts issued for the work in 2018.

9. Referring to Exhibit D: Uniform Percentage Increase, please explain why the Billed MWH Sales (\$38,862,831) are not the same as the Billed MWH Sales shown in Docket No. 160128-EI, Exhibit C to the petition (\$38,672,405).

RESPONSE:

Please see Attachment 9, bearing bates number DEF-160178-DR1-000335.

The Billed mWh Sales, totaling 38,672,405 mWhs, reflected in Exhibit C in Docket No. 160128-EI, represent the sales for the 12-month period of November 2016 – October 2017, which corresponds to the first 12-months of in-service for Hines Chillers 1-3 & Common.

The Billed mWh Sales, totaling 38,862,831 mWhs, reflected in Exhibit D in Docket No. 160178-EI represent the sales for the 12-month period of February 2017 – January 2018, which corresponds to the first 12-months of in-service for Osprey and the second phase of the Hines Chiller project.

As shown in Attachment 9, DEF used the same sales forecast in both filings and was consistent in using the corresponding time period for the first 12-months of in-service. Per paragraph 16.a of DEF's Revised and Restated Stipulation and Settlement Agreement, DEF used the billing determinants included in the Company's last filed clause projection filing which, for both Docket No. 160128-EI and Docket 160178-EI, was the April 27, 2016 Nuclear Cost Recovery Clause ("NCRC") projection filing. For comparison purposes, consistent with DEF's response to Question 2 in Staff's First Data Request in Docket 160128-EI, DEF has included the Billed mWh Sales for the NCRC projection filing.

Hines Chillers Uprate Project - Unit 4
 Total Estimated Cost & Revenue Requirement Comparison Between Docket No. 160128-EI & Docket No. 160178-EI
 (\$000)

Duke Energy Florida, LLC
 Docket No. 160178-EI
 Response to Staff's First Data Request - Q1
 Attachment 1
 DEF-160178-DR1-000327

Line	Project Capital Cost	Docket No. 160128-EI	Docket No. 160178-EI	Variance
1	Total Estimated Project Capital Cost (System)	\$ 24,268	\$ 24,268	\$ -
Revenue Requirement Calculation				
2	Jurisdictional Adjusted Rate Base	\$ 19,299	\$ 19,299	
3	Rate of Return on Rate Base	6.810%	6.740%	
4	Required Jurisdictional Net Operating Income (Line 2 x 3)	1,314	1,301	
5	Required Net Operating Income (Line 4)	1,314	1,301	
6	Jurisdictional Adjusted Net Operating Income (Loss)	(470)	(473)	
7	Net Operating Income Deficiency (Excess) (Line 5 - 6)	1,784	1,774	
8	Net Operating Income Multiplier	1.634	1.634	
9	Revenue Requirement (Line 7 x 8)	\$ 2,915	\$ 2,898	\$ 17

Hines Chillers Uprate Project - Unit 4
AFUDC Calculation

	Actual Through Apr-16	Estimated May-16	Estimated Jun-16	Estimated Jul-16	Estimated Aug-16	Estimated Sep-16	Estimated Oct-16	Estimated Nov-16	Estimated Dec-16	Estimated Jan-17	Estimated Feb-17	Estimated Mar-17	Estimated Apr-17	Estimated May-17	Estimated Jun-17	Total
Hines Chiller Uprate Project - Unit 4																
Capital Expenditures	400,069	0	0	39,181	362,450	0	760,186	5,031,799	7,411,977	3,715,067	1,429,269	1,472,080	827,958	827,194	1,777,766	24,054,994
AFUDC	11,818	2,338	2,432	2,650	4,861	4,980	6,310	30,239	65,872	81,957	0	0	0	0	0	213,457
Total Estimated Project Capital Cost	411,886	2,338	2,432	41,831	367,311	4,980	766,496	5,062,037	7,477,849	3,797,024	1,429,269	1,472,080	827,958	827,194	1,777,766	24,268,450
	A															
	Actual Through Apr-16	Estimated May-16	Estimated Jun-16	Estimated Jul-16	Estimated Aug-16	Estimated Sep-16	Estimated Oct-16	Estimated Nov-16	Estimated Dec-16	Estimated Jan-17	Estimated Feb-17	Estimated Mar-17	Estimated Apr-17	Estimated May-17	Estimated Jun-17	Total
Total Project Expenditures - Units 1-4 & Common	90,544,840	10,316,398	3,529,921	6,301,530	6,357,382	1,858,501	2,366,196	5,031,799	7,411,977	3,904,144	1,429,269	1,472,080	827,958	827,194	1,777,766	143,956,953
Monthly Capex		10,316,398	3,529,921	6,301,530	6,357,382	1,858,501	2,366,196	5,031,799	7,411,977	3,715,067						
1/2 Current Monthly Capex		5,158,199	1,764,961	3,150,765	3,178,691	929,251	1,183,098	2,515,899	3,705,988	1,857,534						
Cumulative Prior Monthly Capex	90,554,826	100,871,224	104,401,145	110,702,676	117,060,058	118,918,559	121,284,754	126,316,553	133,728,529							
Cumulative Prior month AFUDC	2,613,229	3,202,695	3,837,199	4,504,977	5,214,703	5,953,311	6,443,298	6,475,283	6,544,760							
AFUDC Base, prior to removing in-service assets	98,326,254	105,838,880	111,389,110	118,386,343	123,204,011	126,054,967	130,243,951	136,497,824	142,130,823							
AFUDC Rate		0.005995	0.005995	0.005995	0.005995	0.005995	0.005995	0.005995	0.005995	0.005995						
AFUDC - Units 1-4 & Common, adjusted to remove in-service assets *	2,613,228	589,466	634,504	667,778	709,726	738,608	489,987	31,985	69,477	85,798						6,630,557
Total Hines Chiller Project Estimated Capital Cost	93,158,068	10,905,864	4,164,426	6,969,308	7,067,108	2,597,109	2,856,182	5,063,784	7,481,454	3,989,942	1,429,269	1,472,080	827,958	827,194	1,777,766	150,587,510
	B															
AFUDC - Unit 4 *	11,818	2,338	2,432	2,650	4,861	4,980	6,310	30,239	65,872	81,957						213,457

* DEF identified the misallocation of approximately \$9,200 of AFUDC that was assigned to the first phase of the Hines Chiller Uprate project, but should have been assigned to the second phase of the project. The correct AFUDC balance was allocated in total between the two phases. This misallocation did not have any impact on DEF's rates filed in Docket No. 160128-EI nor is there any impact to the rates filed in the instant docket

A> Total Estimated Project Capital Cost Hines Chiller Uprate-Unit 4 as shown on Exhibit C, Page 1, Line 1 in Docket No. 160178-EI.

B> Total Estimated Project Capital Cost Hines chiller Uprate-Units 1-4 & Common as shown on Exhibit, B, Page 1, Line 1 in Docket No. 160128-EI.

**Osprey Acquisition
Capital Cost Estimate Breakdown
(\$000)**

**Duke Energy Florida, LLC
Docket No. 160178-EI
Response to Staff's First Data Request - Q3
Attachment 3
DEF-160178-DR1-000329**

	Docket No. 160178-EI	Docket No. 150043-EI	Variance
Asset Purchase Agreement	166,000	166,000	0
Integration Capital & Transaction Costs	1,845	5,000	(3,155) B
2017 Capital Investment	30,379	31,695	(1,316) C
Total Estimated Project Capital Cost	<u>198,224</u>	<u>202,695</u>	<u>(4,471)</u>
	A		

A> Total Estimated Project Capital Cost Osprey Acquisition as shown on Exhibit C, Page 1, Line 1 in Docket No. 160178-EI.

B> Variance is due to updating DEF's initial estimate of Integration Capital & Transaction Costs, in Docket 150043-EI, of \$5 million with more current estimates based on DEF's ongoing due diligence and integration planning.

C> Please refer to DEF's response to Q8 for variance explanation.

**Osprey Acquisition
O&M Cost Estimate Breakdown
(\$000)**

**Duke Energy Florida, LLC
Docket No. 160178-EI
Response to Staff's First Data Request - Q4
Attachment 4
DEF-160178-DR1-000330**

	Docket No. 160178-EI	Docket No. 150043-EI	Variance	
Routine Maintenance Costs	9,175	9,045	130	B
Major Maintenance Costs	14,294	9,947	4,347	C
O&M Outage Deferral	(7,012)	(5,853)	(1,159)	D
O&M Integration Costs	731	1,710	(979)	E
Total Estimated Project Capital Cost	<u>17,189</u>	<u>14,849</u>	<u>2,340</u>	

A

A> Total O&M as shown on Exhibit C, Page 2, Line 32 in Docket No. 160178-EI.

B> Please refer to DEF's response to Q6.

C> Please refer to DEF's response to Q7.

D> The difference in DEF's Outage deferral is driven by the change in projected O&M expenditures

E> Variance is due to updating DEF's initial estimate of Integration O&M Costs, in Docket 150043-EI, of approximately \$1.7 million with more current estimates based on DEF's ongoing due diligence and integration planning.

Docket 150043-EI			
Cumulative PV Revenue Requirements Comparison			
\$M 2015	Osprey vs Self Build - Mid Fuel - No CO2	Osprey vs Self Build - Mid Fuel - With CO2	Osprey vs Self Build - High Fuel With CO2
Capital Costs	(11)	(11)	(11)
Fuel	102	83	127
Emissions	1	133	127
Variable Costs	72	63	61
Fixed Costs	(136)	(136)	(136)
PPAs	(56)	(61)	(77)
Cogens	5	(9)	(8)
Emergency Energy	(1)	(1)	(1)
Positive - Osprey Acquisition Savings	(24)	61	81

Docket 160178-EI			
Cumulative PV Revenue Requirements Comparison			
\$M 2015	Osprey vs Self Build - Mid Fuel - No CO2	Osprey vs Self Build - Mid Fuel - With CO2	Osprey vs Self Build - High Fuel With CO2
Capital Costs	0	0	0
Fuel	102	83	127
Emissions	1	133	127
Variable Costs	67	57	55
Fixed Costs	(131)	(131)	(130)
PPAs	(56)	(61)	(77)
Cogens	5	(9)	(8)
Emergency Energy	(1)	(1)	(1)
Positive - Osprey Acquisition Savings	(13)	72	92

Variance		
Osprey vs Self Build - Mid Fuel - No CO2	Osprey vs Self Build - Mid Fuel - With CO2	Osprey vs Self Build - High Fuel - With CO2
11	11	11
-	-	-
-	-	-
(6)	(6)	(6)
5	5	5
-	-	-
-	-	-
-	-	-
11	11	11

**Osprey Acquisition
Routine O&M Costs
(\$000)**

**Duke Energy Florida, LLC
Docket No. 160178-EI
Response to Staff's First Data Request - Q6
Attachment 6
DEF-160178-DR1-000332**

Routine Maintenance Costs

	Docket No. 160178-EI	Docket No. 150043-EI	Variance
1 Labor Costs	5,420	5,592	(172)
2 Material Costs	1,655	1,622	33
3 Contract Costs	1,944	1,715	229
4 Other Costs	156	116	40
5 Total Estimated Routine O&M Costs	9,175	9,045	130

A

A> Total Routine Maintenance Costs as shown on Attachment 4.

**Osprey Acquisition
Major O&M Costs
(\$000)**

	Docket No. 160178-EI	Docket No. 150043-EI	Variance
1 Major O&M Costs - 2017 A	14,294	9,947	4,347
2 Major O&M Costs - 2018	5,079	2,878	2,201
3 Major O&M Costs - 2019	2,475	1,660	815
4 Total Estimated Major O&M Costs	21,848	14,485	7,363

Major O&M Costs - 2017

	Docket No. 160178-EI	Docket No. 150043-EI	Variance
5 ST Major Inspection	6,683	4,474	2,208
6 CT2 Generator Inspection	1,694	808	886
7 CT Major Inspection	467	0	467
8 HRSG #1 & #2 FAC/UT Inspection	482	0	482
9 Unit# 1 & #2 & ST HEP Inspections	1,024	869	155
10 Wet SAC Re-Tube	154	0	154
Event Free Risk Mitigation, ST Drain Tank Modification & Re-Bed			
11 Multimedia Filter/RO Membranes	89	0	89
12 2017 Annual BOP Outage	810	808	2
13 ST Generator Inspection	2,058	2,154	(95)
14 HRSG #1 & #2 2017 Outage O&M Work	833	835	(1)
15 Total Major O&M Costs - 2017	14,294	9,947	4,347

Major O&M Costs - 2018

	Docket No. 160178-EI	Docket No. 150043-EI	Variance
16 CT1 Generator Inspection	1,792	828	964
17 HRSG #1 & #2 2018 Outage O&M Work	824	0	824
18 CT Major Inspection	467	0	467
19 2018 Annual BOP Outage	784	828	(44)
20 High Energy Piping inspection	1,212	1,222	(10)
21 Total Major O&M Costs - 2018	5,079	2,878	2,201

Major O&M Costs - 2019

	Docket No. 160178-EI	Docket No. 150043-EI	Variance
22 HEP Inspections	300	0	300
23 BOP Annual Outage	1,100	849	251
24 Pump Rebuilds	150	0	150
25 CT2 CI	100	0	100
26 CI Parts Repair	825	812	13
27 Total Major O&M Costs - 2019	2,475	1,660	815

A> Total Major Maintenance Costs as shown on Attachment 4.

**Osprey Acquisition
Major Capital Costs
(\$000)**

**Duke Energy Florida, LLC
Docket No. 160178-EI
Response to Staff's First Data Request - Q8
Attachment 8
DEF-160178-DR1-000334**

Major O&M Costs

	Docket No. 160178-EI	Docket No. 150043-EI	Variance
1 Major Capital Costs - 2017	30,379	31,695	(1,316)
2 Major Capital Costs - 2018	27,783	31,142	(3,359)
3 Total Estimated Major Capital Costs	58,163	62,837	(4,675)

	Docket No. 160178-EI	Docket No. 150043-EI	Variance
<u>Major Capital Costs - 2017</u>			
4 CT2 Major Inspection	24,872	23,787	1,086
5 CEMS Upgrade & Replacement	871	-	871
6 GSU Radiator Replacements	808	-	808
7 ST Drain Tank Modification	571	-	571
8 ST Major Inspection	360	-	360
9 Event Free Risk Mitigation	197	-	197
10 Telecom Equipment	34	-	34
11 HRSG # 1 HP Stop Check Valve	516	485	31
12 HRSG # 2 HP Stop Check Valve	516	485	31
13 Re-Bed Multimedia Filter /RO Membranes	133	135	(2)
14 Wet SAC Re-Tube	699	808	(108)
15 HRSG #1 2017 Outage Capital Work	100	323	(223)
16 Capital Blanket	-	323	(323)
17 T3K Upgrade	603	1,447	(845)
18 SCR Catalyst Unit 2	-	1,212	(1,212)
19 HRSG #2 2017 Outage Capital Work	100	2,692	(2,592)
20 Total Major Capital Costs - 2017	30,379	31,695	(1,316)

	Docket No. 160178-EI	Docket No. 150043-EI	Variance
<u>Major Capital Costs - 2018</u>			
21 CT1 Major Inspection	24,823	24,381	442
22 HRSG #2 2018 Capital Work	100	-	100
23 GSU Spares	2,760	2,760	-
24 Capital Blanket	-	331	(331)
25 SCR Catalyst Unit 1	-	1,242	(1,242)
26 HRSG #1 2018 Capital Work	100	2,428	(2,328)
27 Total Major Capital Costs - 2018	27,783	31,142	(3,359)

Monthly Sales Compare

Duke Energy Florida, LLC
Docket No. 160178-EI
Response to Staff's First Data Request - Q9
Attachment 9
DEF-160178-DR1-000335

Billed Sales (MWh)

	Nov-16	Dec-16	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	12-Month Total
Dk 160128 (Hines Chiller GBRA) ^A	2,887,138	2,769,149	3,138,853	2,807,344	2,646,370	2,640,284	3,002,757	3,559,804	3,807,547	3,983,979	3,879,621	3,549,559	3,001,974	2,902,959	3,080,633	38,672,405
Dk 160009 (NCRC)	2,887,138	2,769,149	3,138,853	2,807,344	2,646,370	2,640,284	3,002,757	3,559,804	3,807,547	3,983,979	3,879,621	3,549,559	3,001,974	2,902,959	3,080,633	38,921,051
Dk 160178 (Osprey & Hines 4 GBRA) ^B	2,887,138	2,769,149	3,138,853	2,807,344	2,646,370	2,640,284	3,002,757	3,559,804	3,807,547	3,983,979	3,879,621	3,549,559	3,001,974	2,902,959	3,080,633	38,862,831

^A The highlighted 12-month sales are summarized in the 12-Month Total column. The 12-Month Total amount matches the Billed MWH Sales total in column (1) on Exhibit C in Docket 160128-EI

^B The highlighted 12-month sales are summarized in the 12-Month Total column. The 12-Month Total amount matches the Billed MWH Sales total in column (1) on Exhibit D in Docket 160178-EI

Note: Shading and dashed border identify the 12-month time period for each filing. All are based on the same billing determinants

Documents bearing bates numbers

DEF-160178-DR1-000001 through DEF-160178-DR1-000326

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