

EXHIBIT TO THE TESTIMONY OF

C. L. NICHOLSON

IN FPSC DOCKET 170001-EI

I. CORRECTIONS TO REPORTED DATA FOR THE JANUARY 2016 - DECEMBER 2016 PERIOD

Additions and Corrections to Outages Previously Reported
 for the January 2016 - December 2016 Period

<u>Date</u>	<u>Unit</u>	<u>Change</u>	<u>Outage Type</u>	<u>Hours</u>	<u>MW</u>	<u>Description</u>
January filing	Crist 7	Added time to event duration	FMO	29.2	475.0	Event duration entered was incorrect. No change to calculated results.
March filing	Crist 7	Deleted time	PO	551.0	475.0	Corrected end date error. EAF changed from 22.6% to 25.8%.
		Added time to event duration	RSH	166.7	475.0	Added to RSH after correcting PO entry error and corrected RSH entry error.
September filing	Daniel 2	FMO to FFO		176.9	510.0	No change to EAF. 176.9 FMO added to existing FFO.

II. CALCULATIONS OF EQUIVALENT AVAILABILITY POINTS

Comparison of Forecast and Actual Planned Outages
 for January 2016 - December 2016

<u>Unit</u>	<u>Note</u>	<u>Forecast Planned Outage Schedule</u>	<u>Forecast Hours*</u>	<u>Actual Planned Outage Schedule</u>	<u>Actual Hours*</u>
Crist 6	1	N/A	N/A	4/6/16 - 4/29/16	561.6
Crist 6	2	N/A	N/A	11/2/16 - 12/8/16	886.9
Crist 7	1	N/A	N/A	3/3/16 - 3/27/16	551.0
Crist 7	3	10/1/16 - 11/20/16	1224.0	10/29/16 - 12/14/16	1114.3
Smith 3	4	4/30/16 - 5/8/16	216.0	4/29/16 - 5/9/16	220.5
Smith 3	5	9/17/16 - 10/30/16	1056.0	9/14/16 - 11/3/16	1197.2
Smith 3	2	N/A	N/A	11/3/16 - 11/4/16	20.4
Smith 3	1	N/A	N/A	11/4/16 - 11/5/16	17.3
Smith 3	1	N/A	N/A	11/5/16 - 11/6/16	10.5

* Planned outage hours in the January 2016 - December 2016 period only.

- Notes:
1. The outage was added subsequent to the target filing.
 2. The outage date was added subsequent to the target filing and extended.
 3. The outage date was changed subsequent to the target filing.
 4. The outage proceeded as scheduled.
 5. The outage date was changed subsequent to the target filing and extended.

Comparison of Forecast and Actual Planned Outages
for January 2016 - December 2016

<u>Unit</u>	<u>Note</u>	<u>Forecast Planned Outage Schedule</u>	<u>Forecast Hours*</u>	<u>Actual Planned Outage Schedule</u>	<u>Actual Hours*</u>
Smith 3	1	N/A	N/A	11/8/16	0.7
Smith 3	1	N/A	N/A	11/8/19 - 11/9/16	7.4

* Planned outage hours in the January 2016 - December 2016 period only.

- Notes:
1. The outage was added subsequent to the target filing.
 2. The outage date was changed subsequent to the target filing.
 3. The outage proceeded as scheduled.
 4. The outage was changed subsequent to the target filing and extended.

Calculation of Actual Equivalent Availability
 for January 2016 - December 2016
 Based on Target Planned Outage Hours
 Crist 6

Results of Operations							
	Jan / Jul	Feb / Aug	Mar / Sep	Apr / Oct	May / Nov	Jun / Dec	Total
FOH	1.7 0.0	0.0 0.0	0.0 0.0	0.0 0.0	92.8 0.0	0.0 0.0	94.5
EFOH	0.0 0.0	0.0 0.0	0.0 5.2	0.0 0.0	0.0 0.0	0.4 0.0	5.6
MOH	0.0 43.7	0.0 0.0	0.0 113.7	0.0 48.4	24.0 0.0	0.0 42.8	272.6
EMOH	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	4.2 0.0	0.0 0.0	4.2
PH	744.0 744.0	696.0 744.0	743.0 720.0	720.0 744.0	744.0 721.0	720.0 744.0	8784.0
POH	0.0 0.0	0.0 0.0	0.0 0.0	561.6 0.0	0.0 696.6	0.0 190.3	1448.6
RSH	326.3 0.0	509.9 0.0	743.0 0.0	120.0 0.0	345.0 0.0	0.0 0.0	2044.2

$$1. \text{ EUOR} = \frac{(\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH})}{(\text{PH} - \text{POH} - \text{RSH})} = \frac{(94.5 + 5.6 + 272.6 + 4.2)}{(8784.0 - 1448.6 - 2044.2)}$$

$$\text{EUOR} = 0.0712$$

$$2. \text{ EA} = \left[1 - \frac{(\text{POH}^* + \text{EUOR} (\text{PH} - \text{POH}^* - \text{RSH}^*))}{\text{PH}} \right] \times 100$$

$$\text{Target POH}^* = 0.0$$

$$\text{Target RSH}^* = 4522.0$$

$$\text{EA} = \left[1 - \frac{(0.0 + 0.0712 (8784.0 - 0.0 - 4522.0))}{8784.0} \right] \times 100 = 96.5 \%$$

Note: Please refer to page 10 of this Schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
 for January 2016 - December 2016
 Based on Target Planned Outage Hours
 Crist 7

Results of Operations							
	Jan / Jul	Feb / Aug	Mar / Sep	Apr / Oct	May / Nov	Jun / Dec	Total
FOH	0.0 0.0	2.3 27.3	0.0 0.0	36.6 0.0	4.0 0.0	0.0 0.0	70.2
EFOH	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 11.9	11.9
MOH	29.2 0.0	0.0 44.7	0.0 0.0	0.0 87.6	105.4 0.0	0.0 65.9	332.8
EMOH	0.0 0.0	0.0 0.0	0.0 0.0	0.0 9.2	0.0 0.0	8.4 0.5	18.1
PH	744.0 744.0	696.0 744.0	743.0 720.0	720.0 744.0	744.0 721.0	720.0 744.0	8784.0
POH	0.0 0.0	0.0 0.0	551.0 0.0	0.0 69.4	0.0 721.0	0.0 324.0	1665.4
RSH	232.1 0.0	326.6 0.0	166.7 0.0	101.1 0.0	0.0 0.0	0.0 0.0	826.5

$$1. \text{ EUOR} = \frac{(\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH})}{(\text{PH} - \text{POH} - \text{RSH})} = \frac{(70.2 + 11.9 + 332.8 + 18.1)}{(8784.0 - 1665.4 - 826.5)}$$

$$\text{EUOR} = 0.0688$$

$$2. \text{ EA} = \left[1 - \frac{(\text{POH}^* + \text{EUOR} (\text{PH} - \text{POH}^* - \text{RSH}^*))}{\text{PH}} \right] \times 100$$

$$\text{Target POH}^* = 1224.0$$

$$\text{Target RSH}^* = 1015.0$$

$$\text{EA} = \left[1 - \frac{(1224.0 + 0.0688 (8784.0 - 1224.0 - 1015.0))}{8784.0} \right] \times 100 = 80.9 \%$$

Note: Please refer to page 10 of this Schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
 for January 2016 - December 2016
 Based on Target Planned Outage Hours
 Daniel 1

Results of Operations							
	Jan / Jul	Feb / Aug	Mar / Sep	Apr / Oct	May / Nov	Jun / Dec	Total
FOH	0.0 7.8	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	7.8
EFOH	5.8 1.8	0.1 0.0	0.0 3.7	4.9 0.6	0.0 0.8	0.0 8.5	26.2
MOH	0.0 0.0	0.0 0.0	106.1 111.3	0.0 0.0	0.0 0.0	0.0 75.1	292.4
EMOH	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
PH	744.0 744.0	696.0 744.0	743.0 720.0	720.0 744.0	744.0 721.0	720.0 744.0	8784.0
POH	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0
RSH	195.6 0.0	343.5 0.0	636.9 0.0	593.9 419.6	693.1 0.0	226.6 0.0	3109.2

$$1. \text{ EUOR} = \frac{(\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH})}{(\text{PH} - \text{POH} - \text{RSH})} = \frac{(7.8 + 26.2 + 292.4 + 0.0)}{(8784.0 - 0.0 - 3109.2)}$$

$$\text{EUOR} = 0.0575$$

$$2. \text{ EA} = \left[1 - \frac{(\text{POH}^* + \text{EUOR} (\text{PH} - \text{POH}^* - \text{RSH}^*))}{\text{PH}} \right] \times 100$$

$$\text{Target POH}^* = 0.0$$

$$\text{Target RSH}^* = 3246.0$$

$$\text{EA} = \left[1 - \frac{(0.0 + 0.0575 (8784.0 - 0.0 - 3246.0))}{8784.0} \right] \times 100 = 96.4 \%$$

Note: Please refer to page 10 of this Schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
 for January 2016 - December 2016
 Based on Target Planned Outage Hours
 Daniel 2

Results of Operations							
	Jan / Jul	Feb / Aug	Mar / Sep	Apr / Oct	May / Nov	Jun / Dec	Total
FOH	1.2 0.0	0.0 0.0	0.0 203.6	0.0 4.4	0.0 0.0	4.1 0.0	213.2
EFOH	0.1 0.9	0.5 0.0	0.0 0.0	1.1 3.8	0.1 0.0	0.0 0.1	6.6
MOH	0.0 5.8	0.0 0.0	106.1 0.0	0.0 0.0	0.0 0.0	0.0 0.0	111.9
EMOH	0.0 0.0	10.2 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	10.2
PH	744.0 744.0	696.0 744.0	743.0 720.0	720.0 744.0	744.0 721.0	720.0 744.0	8784.0
POH	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0
RSH	230.4 1.7	297.1 0.0	636.9 0.0	605.6 0.0	345.7 624.5	0.0 285.4	3027.4

$$1. \text{ EUOR} = \frac{(\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH})}{(\text{PH} - \text{POH} - \text{RSH})} = \frac{(213.2 + 6.6 + 111.9 + 10.2)}{(8784.0 - 0.0 - 3027.4)}$$

$$\text{EUOR} = 0.0594$$

$$2. \text{ EA} = \left[1 - \frac{(\text{POH}^* + \text{EUOR} (\text{PH} - \text{POH}^* - \text{RSH}^*))}{\text{PH}} \right] \times 100$$

$$\text{Target POH}^* = 0.0$$

$$\text{Target RSH}^* = 2786.0$$

$$\text{EA} = \left[1 - \frac{(0.0 + 0.0594 (8784.0 - 0.0 - 2786.0))}{8784.0} \right] \times 100 = 95.9 \%$$

Note: Please refer to page 10 of this Schedule for an explanation of symbols.

Calculation of Actual Equivalent Availability
 for January 2016 - December 2016
 Based on Target Planned Outage Hours
 Smith 3

Results of Operations							
	Jan / Jul	Feb / Aug	Mar / Sep	Apr / Oct	May / Nov	Jun / Dec	Total
FOH	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
EFOH	0.4 0.0	0.0 0.0	0.0 0.2	0.0 0.0	0.4 0.5	0.0 1.9	3.4
MOH	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	37.2 49.7	0.0 0.0	86.9
EMOH	0.0 0.0	0.0 17.3	0.0 0.0	0.0 0.0	0.9 11.1	0.0 12.5	41.8
PH	744.0 744.0	696.0 744.0	743.0 720.0	720.0 744.0	744.0 721.0	720.0 744.0	8784.0
POH	0.0 0.0	0.0 0.0	0.0 385.0	24.3 744.0	196.2 124.6	0.0 0.0	1474.2
RSH	88.7 0.0	32.8 0.0	0.0 6.1	0.0 0.0	23.5 6.1	0.0 0.0	157.2

$$1. \text{ EUOR} = \frac{(\text{FOH} + \text{EFOH} + \text{MOH} + \text{EMOH})}{(\text{PH} - \text{POH} - \text{RSH})} = \frac{(0.0 + 3.4 + 86.9 + 41.8)}{(8784.0 - 1474.2 - 157.2)}$$

$$\text{EUOR} = 0.0185$$

$$2. \text{ EA} = \left[1 - \frac{(\text{POH}^* + \text{EUOR} (\text{PH} - \text{POH}^* - \text{RSH}^*))}{\text{PH}} \right] \times 100$$

$$\text{Target POH}^* = 1272.0$$

$$\text{Target RSH}^* = 28.0$$

$$\text{EA} = \left[1 - \frac{(1272.0 + 0.0185 (8784.0 - 1272.0 - 28.0))}{8784.0} \right] \times 100 = 83.9 \%$$

Note: Please refer to page 10 of this Schedule for an explanation of symbols.

Calculation of Equivalent Availability Points
 for January 2016 - December 2016

(1) Unit	(2) Equivalent Availability Target*	(3) Actual Equivalent Availability Adjusted to Target Planned Outage Basis**	(4) Minimum or Maximum Attainable Equivalent Availability*	(5) Availability Points***
Crist 6	95.7	96.5	97.0	6.15
Crist 7	82.3	80.9	80.5	-7.78
Daniel 1	92.9	96.4	95.0	10.00
Daniel 2	95.2	95.9	96.2	7.00
Smith 3	83.2	83.9	84.1	7.78

* As appropriate from page 5, Schedule 3 of Exhibit to C. L. Nicholson's September 1, 2015 GPIF Testimony in Docket 150001-EI.

** Refer to pages 4 through 8 of this Schedule for calculations.

*** If (3) > (2)

$$\text{Availability Points} = \frac{(3) - (2)}{(4) - (2)} \times 10$$

If (3) < (2)

$$\text{Availability Points} = \frac{(3) - (2)}{(4) - (2)} \times -10$$

Summary of Equivalent Availability Symbols

EA - Equivalent Availability
POH - Planned Outage Hours
EUOR - Equivalent Unplanned Outage Rate
PH - Period Hours
FOH - Forced Outage Hours
EFOH - Equivalent Forced Outage Hours
MOH - Maintenance Outage Hours
EMOH - Equivalent Maintenance Outage Hours
RSH - Reserve Shutdown Hours

III. CALCULATION OF GPIF UNIT HEAT RATE POINTS

Calculation of Average Net Operating Heat Rate Points
 for January 2016 - December 2016

Crist 6

	Jan / Jul	Feb / Aug	Mar / Sep	Apr / Oct	May / Nov	Jun / Dec	Total
Pounds Coal (000's)	69564.3 121523.0	28634.3 129045.0	0.0 94654.7	6194.0 115982.0	32006.0 5048.1	119840.0 81150.0	803641.4
BTU/Lb*	11289.7 11705.4	11427.7 11274.1	0.0 11584.8	11468.4 11877.3	11478.8 12919.0	11506.4 11513.0	11548.5
Coal, MMBTU	785358.7 1422471.1	327223.0 1454866.2	0.0 1096553.9	71035.5 1377557.6	367391.4 65216.4	1378921.0 934279.8	9280874.6
Oil, MMBTU	43.0 5428.1	0.0 3353.5	0.0 954.3	1289.9 100.0	5518.4 4.4	3088.3 286.9	20066.8
Gas, MMBTU	9300.6 3073.4	8069.5 867.0	0.0 34509.6	4327.6 7163.8	138326.0 527.5	1794.5 20072.6	228032.2
Startup, MMBTU **	-4040.0 -4040.0	-4040.0 0.0	0.0 -4040.0	-4040.0 -4040.0	-12120.0 0.0	0.0 -8080.0	-44440.0
Total Fuel Consumption, MMBTU	790662.3 1426932.6	331252.5 1459086.7	0.0 1127977.8	72613.0 1380781.4	499115.8 65748.3	1383803.8 946559.3	9484533.5
Net MWH Generation***	70546 130446	29948 132327	0 100865	6173 126218	43197 5373	124529 83569	853191
Average Net Operating Heat Rate	11208 10939	11061 11026	--- 11183	11763 10940	11554 12237	11112 11327	11117

* Weighted average of daily as-burned BTU/Lb values.
 ** Based on number of unit starts after unit off-line 24 hours or more.
 *** Not reduced by off-line station service.

Calculation of Average Net Operating Heat Rate Points
 for January 2016 - December 2016

Crist 7

	Jan / Jul	Feb / Aug	Mar / Sep	Apr / Oct	May / Nov	Jun / Dec	Total
Pounds Coal (000's)	127670.4 225072.0	86637.6 199616.0	5310.0 205489.0	143858.0 160612.5	150334.0 0.0	198396.0 81998.0	1584993.5
BTU/Lb*	11298.9 11664.0	11434.9 10914.6	11151.0 11577.2	11314.7 11762.4	11554.0 0.0	11519.8 11473.8	11454.7
Coal, MMBTU	1442536.4 2625246.8	990691.4 2178718.8	59211.8 2378991.4	1627704.4 1889194.9	1736953.0 0.0	2285474.3 940829.9	18155553.1
Oil, MMBTU	308.4 780.6	195.9 578.2	599.4 759.8	2236.6 3743.5	1915.6 0.0	867.0 3318.8	15303.8
Gas, MMBTU	8518.7 172.6	680.9 4516.2	7078.8 368.0	20350.4 6740.2	19562.1 0.0	12491.8 56447.7	136927.4
Startup, MMBTU **	-4512.0 0.0	0.0 -2256.0	-4512.0 0.0	-4512.0 -2256.0	-4512.0 0.0	0.0 -6768.0	-29328.0
Total Fuel Consumption, MMBTU	1446851.5 2626200.0	991568.2 2181557.2	62378.0 2380119.2	1645779.4 1897422.6	1753918.7 0.0	2298833.1 993828.4	18278456.3
Net MWH Generation***	133193 247451	92386 215457	4867 220593	147859 176510	155960 0	211370 88932	1694578
Average Net Operating Heat Rate	10863 10613	10733 10125	12817 10790	11131 10750	11246 ---	10876 11175	10786

* Weighted average of daily as-burned BTU/Lb values.
 ** Based on number of unit starts after unit off-line 24 hours or more.
 *** Not reduced by off-line station service.

Calculation of Average Net Operating Heat Rate Points
 for January 2016 - December 2016

Daniel 1

	Jan / Jul	Feb / Aug	Mar / Sep	Apr / Oct	May / Nov	Jun / Dec	Total
Pounds Coal (000's)	110918.0 224790.0	61198.0 178988.0	0.0 118786.0	29470.0 62668.0	9000.0 135316.0	145796.0 121200.0	1198130.0
BTU/Lb*	10686.9 9191.0	9828.0 9658.3	0.0 11381.7	9355.9 11044.2	8847.5 10662.7	8993.2 10093.1	9980.8
Coal, MMBTU	1185372.9 2066033.7	601455.2 1728723.4	0.0 1351991.4	275718.7 692118.6	79627.3 1442839.0	1311178.4 1223280.1	11958338.7
Oil, MMBTU	35373.7 1381.7	4851.3 213.3	0.0 5319.2	7415.3 7330.3	1800.9 1964.3	4770.8 8412.4	78833.2
Gas, MMBTU	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
Startup, MMBTU **	-4777.4 0.0	0.0 0.0	0.0 -2388.7	-2388.7 -4777.4	0.0 0.0	-2388.7 -2388.7	-19109.6
Total Fuel Consumption, MMBTU	1215969.2 2067415.4	606306.5 1728936.7	0.0 1354921.9	280745.3 694671.5	81428.2 1444803.3	1313560.5 1229303.8	12018062.3
Net MWH Generation***	104472 177681	55072 146886	0 115361	20238 66037	7362 125831	109602 99632	1028174
Average Net Operating Heat Rate	11639 11636	11009 11771	--- 11745	13872 10519	11061 11482	11985 12338	11689

* Weighted average of daily as-burned BTU/Lb values.

** Based on number of unit starts after unit off-line 24 hours or more.

*** Not reduced by off-line station service.

Calculation of Average Net Operating Heat Rate Points
 for January 2016 - December 2016

Daniel 2

	Jan / Jul	Feb / Aug	Mar / Sep	Apr / Oct	May / Nov	Jun / Dec	Total
Pounds Coal (000's)	136580.0 223372.0	100596.0 185556.0	0.0 135950.0	27502.0 170744.0	85704.0 20926.0	192962.0 90486.0	1370378.0
BTU/Lb*	8844.1 9378.0	8965.7 9324.2	0.0 9336.4	8991.9 9313.9	8762.1 9676.0	8899.9 9893.1	9200.1
Coal, MMBTU	1207929.9 2094771.4	901913.6 1730153.8	0.0 1269287.7	247295.0 1590297.7	750947.9 202479.2	1717346.4 895190.7	12607613.3
Oil, MMBTU	5223.5 4936.3	2212.3 683.1	0.0 3973.5	3515.2 2418.4	4473.9 487.0	1594.5 3486.2	33003.9
Gas, MMBTU	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
Startup, MMBTU **	-2388.7 0.0	0.0 0.0	0.0 -2388.7	-2388.7 0.0	-2388.7 0.0	0.0 -2388.7	-11943.5
Total Fuel Consumption, MMBTU	1210764.7 2099707.7	904125.9 1730836.9	0.0 1270872.5	248421.5 1592716.1	753033.1 202966.2	1718940.9 896288.2	12628673.7
Net MWH Generation***	102289 179701	87471 147293	0 107299	19005 134754	57837 22010	142910 73896	1074465
Average Net Operating Heat Rate	11837 11684	10336 11751	--- 11844	13071 11819	13020 9222	12028 12129	11753

- * Weighted average of daily as-burned BTU/Lb values.
- ** Based on number of unit starts after unit off-line 24 hours or more.
- *** Not reduced by off-line station service.

Calculation of Average Net Operating Heat Rate Points
 for January 2016 - December 2016

Smith 3

	Jan / Jul	Feb / Aug	Mar / Sep	Apr / Oct	May / Nov	Jun / Dec	Total
Pounds Coal (000's)	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
BTU/Lb*	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
Coal, MMBTU	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
Oil, MMBTU	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
Gas, MMBTU	2268695.0 2593986.0	2166452.0 2498594.0	2733595.0 1121300.0	2494483.0 0.0	1666063.0 1924368.0	2484478.0 2555960.9	24507974.9
Startup, MMBTU **	-1200.0 0.0	-1200.0 0.0	0.0 0.0	0.0 0.0	-2400.0 -1200.0	0.0 -1200.0	-7200.0
Total Fuel Consumption, MMBTU	2267495.0 2593986.0	2165252.0 2498594.0	2733595.0 1121300.0	2494483.0 0.0	1663663.0 1923168.0	2484478.0 2554760.9	24500774.9
Net MWH Generation***	328247 358966	305070 348198	390932 153119	354239 0	231092 272930	348517 366188	3457498
Average Net Operating Heat Rate	6908 7226	7098 7176	6993 7323	7042 ---	7199 7046	7129 6977	7086

* Weighted average of daily as-burned BTU/Lb values.

** Based on number of unit starts after unit off-line 24 hours or more.

*** Not reduced by off-line station service.

Calculation of Average Net Operating Heat Rate
 for January 2016 - December 2016
 Adjusted to Target Basis Using Heat Rate
 Equations Filed September 1, 2015

Crist 6

	Jan/Jul	Feb/Aug	Mar/Sep	Apr/Oct	May/Nov	Jun/Dec	Jan - Dec
1. Target Heat Rate*	11304 10365	11063 10812	11371 10700	11651 10756	10687 10696	10629 10767	
2. Target Heat Rate at Actual Conditions**	11582 10509	11395 11092	11371 10894	11861 10784	11009 10571	10843 10916	
3. Adjustment to Actual Heat Rate (1-2)	-278 -144	-332 -280	0 -194	-210 -28	-322 125	-214 -149	
4. Actual Heat Rate (Page 2 of Sched. 3)	11208 10938	11061 11026	0 11183	11759 10940	11552 12237	11112 11327	
5. Adjusted Actual Heat Rate (4+3)	10930 10794	10729 10746	0 10989	11549 10912	11230 12362	10898 11178	
6. Net MWH Generation	70546 130446	29948 132327	0 100865	6173 126218	43197 5373	124529 83569	
7. Adjusted Actual Heat Rate for January 2016 - December 2016 =($\Sigma(5*6)/\Sigma 6$)							10926

* From pages 17 & 18, Schedule 3 of Exhibit to C. L. Nicholson's September 1, 2015 GPIF Testimony in Docket 150001-EI.

** Based on target heat rate equation from page 2, Schedule 1 of above mentioned filing using actual rather than forecast variable values. The equations are also shown for convenience on page 13 of this Schedule.

Calculation of Average Net Operating Heat Rate
 for January 2016 - December 2016
 Adjusted to Target Basis Using Heat Rate
 Equations Filed September 1, 2015

Crist 7

	Jan/Jul	Feb/Aug	Mar/Sep	Apr/Oct	May/Nov	Jun/Dec	Jan - Dec
1. Target Heat Rate*	10296 10542	10511 10415	10444 10299	10616 0	10339 10514	10611 10438	
2. Target Heat Rate at Actual Conditions**	10409 10700	10678 10580	11039 10468	10939 10487	10706 10514	10883 10681	
3. Adjustment to Actual Heat Rate (1-2)	-113 -158	-167 -165	-595 -169	-323 -38	-367 0	-272 -243	
4. Actual Heat Rate (Page 3 of Sched. 3)	10863 10613	10733 10125	12814 10790	11130 10749	11246 0	10876 11174	
5. Adjusted Actual Heat Rate (4+3)	10750 10455	10566 9960	12219 10621	10807 10711	10879 0	10604 10931	
6. Net MWH Generation	133193 247451	92386 215457	4867 220593	147859 176510	155960 0	211370 88932	
7. Adjusted Actual Heat Rate for January 2016 - December 2016 =($\Sigma(5*6) / \Sigma 6$)							10588

* From pages 19 & 20, Schedule 3 of Exhibit to C. L. Nicholson's September 1, 2015 GPIF Testimony in Docket 150001-EI.

** Based on target heat rate equation from page 2, Schedule 1 of above mentioned filing using actual rather than forecast variable values. The equations are also shown for convenience on page 13 of this Schedule.

Calculation of Average Net Operating Heat Rate
 for January 2016 - December 2016
 Adjusted to Target Basis Using Heat Rate
 Equations Filed September 1, 2015

Daniel 1

	Jan/Jul	Feb/Aug	Mar/Sep	Apr/Oct	May/Nov	Jun/Dec	Jan - Dec
1. Target Heat Rate*	10662 10461	10873 10451	11043 10648	10892 11640	11226 10992	10548 10678	
2. Target Heat Rate at Actual Conditions**	10953 10681	11235 10908	11043 10959	11194 11582	11994 11071	10770 11312	
3. Adjustment to Actual Heat Rate (1-2)	-291 -220	-362 -457	0 -311	-302 58	-768 -79	-222 -634	
4. Actual Heat Rate (Page 4 of Sched. 3)	11635 11635	11008 11771	0 11744	13866 10518	11057 11482	11984 12337	
5. Adjusted Actual Heat Rate (4+3)	11344 11415	10646 11314	0 11433	13564 10576	10289 11403	11762 11703	
6. Net MWH Generation	104472 177681	55072 146886	0 115361	20238 66037	7362 125831	109602 99632	
7. Adjusted Actual Heat Rate for January 2016 - December 2016 =(Σ(5*6)/Σ6)							11398

* From pages 21 & 22 , Schedule 3 of Exhibit to C. L. Nicholson's September 1, 2015 GPIF Testimony in Docket 150001-EI.

** Based on target heat rate equation from page 2, Schedule 1 of above mentioned filing using actual rather than forecast variable values. The equations are also shown for convenience on page 13 of this Schedule.

Calculation of Average Net Operating Heat Rate
 for January 2016 - December 2016
 Adjusted to Target Basis Using Heat Rate
 Equations Filed September 1, 2015

Daniel 2

	Jan/Jul	Feb/Aug	Mar/Sep	Apr/Oct	May/Nov	Jun/Dec	Jan - Dec
1. Target Heat Rate*	10462 10150	10399 10198	11325 10540	11053 10939	11122 10774	10631 10796	
2. Target Heat Rate at Actual Conditions**	11195 10709	10504 11216	11325 11089	11732 11449	12545 10498	11606 11832	
3. Adjustment to Actual Heat Rate (1-2)	-733 -559	-105 -1018	0 -549	-679 -510	-1423 276	-975 -1036	
4. Actual Heat Rate (Page 5 of Sched. 3)	11836 11684	10336 11751	0 11844	13068 11819	13019 9221	12028 12128	
5. Adjusted Actual Heat Rate (4+3)	11103 11125	10231 10733	0 11295	12389 11309	11596 9497	11053 11092	
6. Net MWH Generation	102289 179701	87471 147293	0 107299	19005 134754	57837 22010	142910 73896	
7. Adjusted Actual Heat Rate for January 2016 - December 2016 =($\Sigma(5+6) / \Sigma 6$)							11039

* From pages 23 & 24, Schedule 3 of Exhibit to C. L. Nicholson's September 1, 2015 GPIF Testimony in Docket 150001-EI.

** Based on target heat rate equation from page 2, Schedule 1 of above mentioned filing using actual rather than forecast variable values. The equations are also shown for convenience on page 13 of this Schedule.

Calculation of Average Net Operating Heat Rate
 for January 2016 - December 2016
 Adjusted to Target Basis Using Heat Rate
 Equations Filed September 1, 2015

Smith 3

	Jan/Jul	Feb/Aug	Mar/Sep	Apr/Oct	May/Nov	Jun/Dec	Jan - Dec
1. Target Heat Rate*	6868 6936	6861 6867	6852 6887	6866 6911	6867 6870	6875 6863	
2. Target Heat Rate at Actual Conditions**	6856 6938	6884 6878	6840 6880	6850 6911	6873 6853	6867 6861	
3. Adjustment to Actual Heat Rate (1-2)	12 -2	-23 -11	12 7	16 0	-6 17	8 2	
4. Actual Heat Rate*** (Page 6 of Sched. 3)	6912 7226	7101 7176	6993 7323	7042 0	7210 7051	7129 6980	
5. Adjusted Actual Heat Rate (4+3)	6924 7224	7078 7165	7005 7330	7058 0	7204 7068	7137 6982	
6. Net MWH Generation	328247 358966	305070 348198	390932 153119	354239 0	231092 272930	348517 366188	
7. Adjusted Actual Heat Rate for January 2016 - December 2016 =($\Sigma(5+6) / \Sigma 6$)							7092

* From pages 25 & 26, Schedule 3 of Exhibit to C. L. Nicholson's September 1, 2015 GPIF Testimony in Docket 150001-EI.

** Based on target heat rate equation from page 2, Schedule 1 of above mentioned filing using actual rather than forecast variable values. The equations are also shown for convenience on page 13 of this Schedule.

Actual Values of
 Target Heat Rate Equation Parameters
 for January 2016 - December 2016

	Jan/Jul	Feb/Aug	Mar/Sep	Apr/Oct	May/Nov	Jun/Dec
Crist 6						
AKW * 10	169.6	160.9	0.0	160.9	153.1	173.0
	186.3	177.9	166.4	181.5	220.2	163.6
LSRF * 10	29919.3	26592.9	0.0	28542.6	25119.1	30558.0
	36889.5	32407.5	28481.6	33919.0	47395.8	27369.3
Crist 7						
AKW * 10	275.9	251.7	192.5	253.9	245.8	293.6
	332.6	320.6	306.4	300.7	0.0	251.1
LSRF * 10	82259.7	64883.4	41090.6	69721.0	65296.2	98306.4
	125530.6	116729.4	106117.5	101125.1	0.0	72085.0
Daniel 1						
AKW * 10	190.5	156.2	0.0	160.4	144.7	222.1
	241.4	197.4	189.5	203.6	174.5	148.9
LSRF * 10	38017.6	26010.0	0.0	29256.4	23875.9	61885.7
	76982.7	48338.6	47480.0	52857.8	39708.6	23738.4
Daniel 2						
AKW * 10	199.6	219.3	0.0	166.1	145.2	199.6
	244.0	198.0	207.8	182.2	228.1	161.1
LSRF * 10	47961.3	57625.8	0.0	31991.0	22449.4	49021.3
	78426.0	48679.4	59513.0	39615.1	64506.5	28274.1
Smith 3						
AKW * 10	500.9	460.0	526.2	509.2	474.5	484.1
	482.5	468.0	465.5	0.0	504.9	492.2
LSRF * 10	261161.8	223889.8	280480.9	263362.4	236638.9	238731.3
	237753.9	226951.8	224473.8	0.0	273687.2	252734.3

Target Heat Rate Equations

Crist 6 ANOHR = $10^6 / AKW * [220.03 + 121.02 * JAN + 73.43 * FEB + 86.96 * MAR + 148.44 * APR - 45.41 * JUL + 50.46 * AUG]$
 + 9,571

Crist 7 ANOHR = $10^6 / AKW * [295.33 - 45.69 * JAN + 68.87 * APR + 109.39 * JUN + 102.36 * JUL + 49.41 * AUG]$
 + 9,505

Daniel 1 ANOHR = $10^6 / AKW * [245.04 + 91.84 * MAY + 145.07 * OCT]$
 + 9,666

Daniel 2 ANOHR = $10^6 / AKW * [532.09 - 98.87 * FEB + 51.13 * MAY + 82.11 * JUN - 83.00 * NOV]$
 + 8,529

Smith 3 ANOHR = $10^6 / AKW * [161.14 + 33.85 * JUL]$
 + 6,534

Where:

ANOHR	Average Net Operating Heat Rate, BTU/KWH
AKW	Average Kilowatt Load, KW
LSRF	Load Square Range Factor, KW ²
JAN	January, 0 if not January, 1 if January
FEB	February, 0 if not February, 1 if February
MAR	March, 0 if not March, 1 if March
APR	April, 0 if not April, 1 if April
MAY	May, 0 if not May, 1 if May
JUN	June, 0 if not June, 1 if June
JUL	July, 0 if not July, 1 if July
AUG	August, 0 if not August, 1 if August
SEP	September, 0 if not September, 1 if September
OCT	October, 0 if not October, 1 if October
NOV	November, 0 if not November, 1 if November

Calculation of Heat Rate Points
 for January 2016 - December 2016

(1)	(2)	(3)	(4)	(5)
Unit	Actual Average Net Operating Heat Rate Target*	Net Operating Heat Rate Adjusted to Target Basis**	Minimum Attainable Heat Rate*	Heat Rate Points***
Crist 6	10,760	10,926	10,437	-3.67
Crist 7	10,449	10,588	10,136	-2.69
Daniel 1	10,698	11,398	10,377	-10.00
Daniel 2	10,605	11,039	10,287	-10.00
Smith 3	6,874	7,092	6,668	-10.00

* From page 5, Schedule 3 of Exhibit to C. L. Nicholson's
 September 1, 2015 GPIF Testimony in Docket 150001-EI.

** Refer to pages 7 through 11 of this Schedule for calculation.

*** If [(2) - 75] <= (3) <= [(2) + 75] then points = 0

If [(2) - (3) - 75] > 0 then points = $\frac{(2) - (3) - 75}{(2) - (4) - 75} * 10$

If [(2) - (3) + 75] < 0 then points = $\frac{(2) - (3) + 75}{(2) - (4) - 75} * 10$

IV. CALCULATION OF COMPANY GPIF POINTS AND REWARD/PENALTY

Calculation of Heat Rate Points
 GPIF Points and Reward or Penalty
 for January 2016 - December 2016

Unit	Availability Points	Availability* Weighting Factor	Heat Rate Points	Heat Rate* Weighting Factor
Crist 6	6.15	0.004	-3.67	0.138
Crist 7	-7.78	0.008	-2.69	0.299
Daniel 1	10.00	0.002	-10.00	0.075
Daniel 2	7.00	0.002	-10.00	0.087
Smith 3	7.78	0.002	-10.00	0.382

Company GPIF Points =

$$\begin{aligned}
 &+ 6.15 * 0.004 - 3.67 * 0.138 \\
 &- 7.78 * 0.008 - 2.69 * 0.299 \\
 &+ 10.00 * 0.002 - 10.00 * 0.075 \\
 &+ 7.00 * 0.002 - 10.00 * 0.087 \\
 &+ 7.78 * 0.002 - 10.00 * 0.382
 \end{aligned}$$

$$= -6.75$$

Company reward/penalty = -6.75 points * \$302700 per point

$$= (\$2,043,225)$$

* From page 5, Schedule 3 of Exhibit to C. L. Nicholson's September 1, 2015 GPIF Testimony in Docket 150001-EI.

V. GPIF MINIMUM FILING REQUIREMENTS FOR THE JANUARY 2016 - DECEMBER 2016 PERIOD

CONTENTS	SCHEDULE 5 <u>PAGE</u>
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GPIF Unit Performance Summary	11
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Historic Unit Performance Data	13 - 22
Planned Outage Schedules (Actual)	23

Generating Performance Incentive Factor

Actual Reward/Penalty Table

Gulf Power Company

Period of: January 2016 - December 2016

Generating Performance Incentive Factor Points	Fuel Saving/Loss (\$000)	Generating Performance Incentive Factor (\$000)
	Maximum Attainable Fuel Savings	Maximum Incentive Dollars Allowed by Commission During Period (Reward)
+ 10	6054	3027
+ 9	5449	2724
+ 8	4843	2422
+ 7	4238	2119
+ 6	3632	1816
+ 5	3027	1514
+ 4	2422	1211
+ 3	1816	908
+ 2	1211	605
+ 1	605	303
0	0	0
- 1	-624	-303
- 2	-1247	-605
- 3	-1871	-908
- 4	-2494	-1211
- 5	-3118	-1514
- 6	-3741	-1816
- 7	-4365	-2119
- 8	-4988	-2422
- 9	-5612	-2724
- 10	-6235	-3027
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

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Generating Performance Incentive Factor
 Calculation of Maximum Allowed Incentive Dollars

Actual

Gulf Power Company

Period of: January 2016 - December 2016

Line 1	Beginning of Period Balance of Common Equity	\$1,354,664,607
	End of Month Balance of Common Equity:	
Line 2	Month of Jan '16	\$1,335,879,961
Line 3	Month of Feb '16	\$1,343,273,087
Line 4	Month of Mar '16	\$1,353,186,970
Line 5	Month of Apr '16	\$1,328,115,304
Line 6	Month of May '16	\$1,341,029,458
Line 7	Month of Jun '16	\$1,359,887,143
Line 8	Month of Jul '16	\$1,348,924,249
Line 9	Month of Aug '16	\$1,365,142,742
Line 10	Month of Sep '16	\$1,381,262,370
Line 11	Month of Oct '16	\$1,358,192,234
Line 12	Month of Nov '16	\$1,370,826,964
Line 13	Month of Dec '16	\$1,388,681,010
Line 14	Average Common Equity for the Period (sum of line 1 through line 13 divided by 13)	\$1,356,082,008
Line 15	25 Basis Points	0.0025
Line 16	Revenue Expansion Factor	61.1928%
Line 17	Maximum Allowed Incentive Dollars (line 14 multiplied by line 15 divided by line 16 multiplied by 1.0)	\$5,540,202
Line 18	Jurisdictional Sales (KWH)	11,081,505,276
Line 19	Total Territorial Sales (KWH)	11,397,087,242
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)	97.2310%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 multiplied by line 20)	\$5,386,796
Line 22	Incentive Cap (50% of Projected Fuel Savings at 10 GPIF point level from sheet 7.379.7)	\$3,027,000
Line 23	Maximum Allowed GPIF Reward (at 10 GPIF Pt. level) (The lesser of Line 21 and Line 22)	\$3,027,000

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Calculation of System Actual GPIF Points

Gulf Power Company

Period of: January 2016 - December 2016

Plant & Unit	Performance Indicator (EAF or ANOHR)	Weighting Factor	Unit Points	Weighted Unit Points
Crist 6	EAF3	0.4%	6.15	0.025
Crist 6	ANOHR3	13.8%	-3.67	-0.508
Crist 7	EAF4	0.8%	-7.78	-0.066
Crist 7	ANOHR4	29.9%	-2.69	-0.804
Daniel 1	EAF5	0.2%	10.00	0.017
Daniel 1	ANOHR5	7.5%	-10.00	-0.752
Daniel 2	EAF6	0.2%	7.00	0.015
Daniel 2	ANOHR6	8.7%	-10.00	-0.874
Smith 3	EAF7	0.2%	7.78	0.015
Smith 3	ANOHR7	38.2%	-10.00	-3.819
Gulf Power GPIF Total		100.0%		-6.75

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2016 - December 2016

Crist 6

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	25	97.00	+ 10	838	10,437
+ 9	23	96.87	+ 9	754	10,462
+ 8	20	96.74	+ 8	670	10,487
+ 7	18	96.61	+ 7	587	10,511
+ 6	15	96.48	+ 6	503	10,536
+ 5	13	96.35	+ 5	419	10,561
+ 4	10	96.22	+ 4	335	10,586
+ 3	8	96.09	+ 3	251	10,611
+ 2	5	95.96	+ 2	168	10,635
+ 1	3	95.83	+ 1	84	10,660
0	0	95.70	0	0	10,685
- 1	(5)	95.51	- 1	(84)	10,760
- 2	(9)	95.32	- 2	(168)	10,835
- 3	(14)	95.13	- 3	(251)	10,860
- 4	(19)	94.94	- 4	(335)	10,885
- 5	(24)	94.75	- 5	(419)	10,909
- 6	(28)	94.56	- 6	(503)	10,934
- 7	(33)	94.37	- 7	(587)	10,959
- 8	(38)	94.18	- 8	(670)	11,009
- 9	(42)	93.99	- 9	(754)	11,033
- 10	(47)	93.80	- 10	(838)	11,058
Weighting Factor:		0.004	Weighting Factor:		0.138

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2016 - December 2016

Crist 7

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	51	83.40	+ 10	1,809	10,136
+ 9	46	83.29	+ 9	1,628	10,160
+ 8	41	83.18	+ 8	1,447	10,184
+ 7	36	83.07	+ 7	1,266	10,207
+ 6	31	82.96	+ 6	1,085	10,231
+ 5	26	82.85	+ 5	905	10,255
+ 4	20	82.74	+ 4	724	10,279
+ 3	15	82.63	+ 3	543	10,303
+ 2	10	82.52	+ 2	362	10,326
+ 1	5	82.41	+ 1	181	10,350
0	0	82.30	0	0	10,374
- 1	(11)	82.12	- 1	(181)	10,449
- 2	(21)	81.94	- 2	(362)	10,524
- 3	(32)	81.76	- 3	(543)	10,548
- 4	(42)	81.58	- 4	(724)	10,572
- 5	(53)	81.40	- 5	(905)	10,595
- 6	(64)	81.22	- 6	(1,085)	10,619
- 7	(74)	81.04	- 7	(1,266)	10,643
- 8	(85)	80.86	- 8	(1,447)	10,667
- 9	(95)	80.68	- 9	(1,628)	10,691
- 10	(106)	80.50	- 10	(1,809)	10,714
Weighting Factor:		0.008	Weighting Factor:		0.299

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2016 - December 2016

Daniel 1

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	10	95.00	+ 10	455	10,377
+ 9	9	94.79	+ 9	410	10,402
+ 8	8	94.58	+ 8	364	10,426
+ 7	7	94.37	+ 7	319	10,451
+ 6	6	94.16	+ 6	273	10,475
+ 5	5	93.95	+ 5	228	10,500
+ 4	4	93.74	+ 4	182	10,525
+ 3	3	93.53	+ 3	137	10,549
+ 2	2	93.32	+ 2	91	10,574
+ 1	1	93.11	+ 1	46	10,598
0	0	92.90	0	0	10,623
- 1	(3)	92.58	- 1	(46)	10,698
- 2	(7)	92.26	- 2	(91)	10,773
- 3	(10)	91.94	- 3	(137)	10,798
- 4	(14)	91.62	- 4	(182)	10,822
- 5	(17)	91.30	- 5	(228)	10,847
- 6	(20)	90.98	- 6	(273)	10,871
- 7	(24)	90.66	- 7	(319)	10,896
- 8	(27)	90.34	- 8	(364)	10,921
- 9	(31)	90.02	- 9	(410)	10,945
- 10	(34)	89.70	- 10	(455)	10,970
Weighting Factor:		0.002	Weighting Factor:		0.075

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2016 - December 2016

Daniel 2

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	13	96.20	+ 10	529	10,287
+ 9	12	96.10	+ 9	476	10,311
+ 8	10	96.00	+ 8	423	10,336
+ 7	9	95.90	+ 7	370	10,360
+ 6	8	95.80	+ 6	317	10,384
+ 5	7	95.70	+ 5	265	10,409
+ 4	5	95.60	+ 4	212	10,433
+ 3	4	95.50	+ 3	159	10,457
+ 2	3	95.40	+ 2	106	10,481
+ 1	1	95.30	+ 1	53	10,506
0	0	95.20	0	0	10,530
- 1	(2)	94.90	- 1	(53)	10,605
- 2	(4)	94.60	- 2	(106)	10,680
- 3	(6)	94.30	- 3	(159)	10,704
- 4	(8)	94.00	- 4	(212)	10,729
- 5	(10)	93.70	- 5	(265)	10,753
- 6	(12)	93.40	- 6	(317)	10,777
- 7	(14)	93.10	- 7	(370)	10,802
- 8	(16)	92.80	- 8	(423)	10,826
- 9	(18)	92.50	- 9	(476)	10,850
- 10	(20)	92.20	- 10	(529)	10,874
Weighting Factor:		0.002	Weighting Factor:		0.087

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2016 - December 2016

Smith 3

Equivalent Availability Points	Fuel Savings/Loss (\$000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/Loss (\$000)	Adjusted Actual Heat Rate
+ 10	12	84.10	+ 10	2,312	6,668
+ 9	11	84.01	+ 9	2,081	6,681
+ 8	10	83.92	+ 8	1,850	6,694
+ 7	8	83.83	+ 7	1,618	6,707
+ 6	7	83.74	+ 6	1,387	6,720
+ 5	6	83.65	+ 5	1,156	6,734
+ 4	5	83.56	+ 4	925	6,747
+ 3	4	83.47	+ 3	694	6,760
+ 2	2	83.38	+ 2	462	6,773
+ 1	1	83.29	+ 1	231	6,786
0	0	83.20	0	0	6,799
- 1	(9)	83.15	- 1	(231)	6,812
- 2	(17)	83.10	- 2	(462)	6,825
- 3	(26)	83.05	- 3	(694)	6,838
- 4	(34)	83.00	- 4	(925)	6,851
- 5	(43)	82.95	- 5	(1,156)	6,864
- 6	(51)	82.90	- 6	(1,387)	6,877
- 7	(60)	82.85	- 7	(1,618)	6,890
- 8	(68)	82.80	- 8	(1,850)	6,903
- 9	(77)	82.75	- 9	(2,081)	6,916
- 10	(85)	82.70	- 10	(2,312)	6,929
Weighting Factor:		0.002	Weighting Factor:		0.382

Issued by: S. W. Connally, Jr.

GPIF Unit Performance Summary

Gulf Power Company

Period of: January 2016 - December 2016

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)	EAF Adjusted Actual %	Actual Fuel Savings/ Loss (\$000)
			Max %	Min %				
Crist 6	0.4	95.7	97.0	93.8	\$25	(\$47)	96.5	\$15
Crist 7	0.8	82.3	83.4	80.5	\$51	(\$106)	80.9	(\$82)
Daniel 1	0.2	92.9	95.0	89.7	\$10	(\$34)	96.4	\$10
Daniel 2	0.2	95.2	96.2	92.2	\$13	(\$20)	95.9	\$9
Smith 3	0.2	83.2	84.1	82.7	\$12	(\$85)	83.9	\$9
Total:	1.8							

Plant & Unit	Weighting Factor %	ANOHR Target BTU/KWH	ANOHR Target NOF	ANOHR Range		Max Fuel Savings (\$000)	Max Fuel Loss (\$000)	ANOHR Adjusted Actual BTU/KWH	Actual Fuel Savings/ Loss (\$000)
				Max BTU/KWH	Min BTU/KWH				
Crist 6	13.8	10,760	67.9	11,083	10,437	\$838	(\$838)	10,926	(\$308)
Crist 7	29.9	10,449	72.8	10,762	10,136	\$1,809	(\$1,809)	10,588	(\$487)
Daniel 1	7.5	10,698	50.1	11,019	10,377	\$455	(\$455)	11,398	(\$455)
Daniel 2	8.7	10,605	50.6	10,923	10,287	\$529	(\$529)	11,039	(\$529)
Smith 3	38.2	6,874	85.6	7,080	6,668	\$2,312	(\$2,312)	7,092	(\$2,312)
Total:	98.2								

Issued by: S. W. Connally, Jr.

Actual Unit Performance Data

Gulf Power Company

Period of: January 2016 - December 2016

Plant & Unit	Actual EAF %	Adjustments* to EAF %	Adjusted Actual %
Crist 6	79.2	17.3	96.5
Crist 7	76.1	4.8	80.9
Daniel 1	96.3	0.1	96.4
Daniel 2	96.1	-0.2	95.9
Smith 3	81.7	2.2	83.9

Plant & Unit	Actual ANOHR BTU/KWH	Adjustments** to ANOHR BTU/KWH	ANOHR Adjusted Actual BTU/KWH
Crist 6	11,116	-190	10,926
Crist 7	10,786	-198	10,588
Daniel 1	11,688	-290	11,398
Daniel 2	11,753	-714	11,039
Smith 3	7,088	4	7,092

* Refer to pages 4 through 8, Schedule 2.

** Refer to pages 7 through 11, Schedule 3.

Issued by: S. W. Connally, Jr.

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

CRIST 6	Jan '16	Feb '16	Mar '16	Apr '16	May '16	Jun '16	
1. EAF (%)	99.8	100.0	100.0	22.0	83.7	99.9	
2. PH	744.0	696.0	743.0	720.0	744.0	720.0	
3. SH	416.0	186.2	0.0	38.4	282.2	720.0	
4. RSH	326.3	509.9	743.0	120.0	345.0	0.0	
5. UH	1.7	0.0	0.0	561.6	116.8	0.0	
6. POH	0.0	0.0	0.0	561.6	0.0	0.0	
7. FOH	1.7	0.0	0.0	0.0	92.8	0.0	
8. MOH	0.0	0.0	0.0	0.0	24.0	0.0	
9. PFOH	0.0	0.0	0.0	0.0	0.0	1.2	
10. LR pf (MW)	0.0	0.0	0.0	0.0	0.0	115.0	
11. PMOH	0.0	0.0	0.0	0.0	8.1	0.0	
12. LR pm (MW)	0.0	0.0	0.0	0.0	154.0	0.0	
13. NSC (MW)	299.0	299.0	299.0	299.0	299.0	299.0	
14. Oper MBtu	790,662	331,253	0	72,591	499,021	1,383,751	
15. Net Gen (MWH)	70,546	29,948	0	6,173	43,197	124,529	
16. ANOHR (Btu/K)	11,208	11,061	0	11,759	11,552	11,112	
17. NOF %	56.7	53.8	0.0	53.8	51.2	57.8	
18. NPC (MW)	299.0	299.0	299.0	299.0	299.0	299.0	
19. ANOHR Equation	$10^6 / AKW * [220.03 + 121.02 * JAN + 73.43 * FEB + 86.96 * MAR + 148.44 * APR - 45.41 * JUL + 50.46 * AUG] + 9.571$						

Issued by: S. W. Connally, Jr.

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

CRIST 6	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Total
1. EAF (%)	94.1	100.0	83.5	93.5	3.4	68.7	79.2
2. PH	744.0	744.0	720.0	744.0	721.0	744.0	8784.0
3. SH	700.3	744.0	606.3	695.6	24.4	510.9	4924.2
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	2044.2
5. UH	43.7	0.0	113.7	48.4	696.6	233.1	1815.6
6. POH	0.0	0.0	0.0	0.0	696.6	190.3	1448.6
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	94.5
8. MOH	43.7	0.0	113.7	48.4	0.0	42.8	272.6
9. PFOH	0.0	0.0	6.9	0.0	0.0	0.0	8.0
10. LR pf (MW)	0.0	0.0	228.0	0.0	0.0	0.0	211.6
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	8.1
12. LR pm (MW)	0.0	0.0	0.0	0.0	0.0	0.0	154.0
13. NSC (MW)	299.0	299.0	299.0	299.0	299.0	299.0	299.0
14. Oper MBtu	1,426,839	1,459,026	1,127,960	1,380,780	65,748	946,554	9,484,184
15. Net Gen (MWH)	130,446	132,327	100,865	126,218	5,373	83,569	853,191
16. ANOHR (Btu/K)	10,938	11,026	11,183	10,940	12,237	11,327	11,116
17. NOF %	62.3	59.5	55.6	60.7	73.6	54.7	57.9
18. NPC (MW)	299.0	299.0	299.0	299.0	299.0	299.0	299.0
19. ANOHR Equation	$10^6 / AKW * [220.03 + 121.02 * JAN + 73.43 * FEB + 86.96 * MAR + 148.44 * APR - 45.41 * JUL + 50.46 * AUG] + 9,571$						

Issued by: S. W. Connally, Jr.

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

CRIST 7	Jan '16	Feb '16	Mar '16	Apr '16	May '16	Jun '16	
1. EAF (%)	96.1	99.7	25.8	94.9	85.3	98.8	
2. PH	744.0	696.0	743.0	720.0	744.0	720.0	
3. SH	482.8	367.1	25.3	582.3	634.6	720.0	
4. RSH	232.1	326.6	166.7	101.1	0.0	0.0	
5. UH	29.2	2.3	551.0	36.6	109.4	0.0	
6. POH	0.0	0.0	551.0	0.0	0.0	0.0	
7. FOH	0.0	2.3	0.0	36.6	4.0	0.0	
8. MOH	29.2	0.0	0.0	0.0	105.4	0.0	
9. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	
10. LR pf (MW)	0.0	0.0	0.0	0.0	0.0	0.0	
11. PMOH	0.0	0.0	0.0	0.0	0.0	16.6	
12. LR pm (MW)	0.0	0.0	0.0	0.0	0.0	240.0	
13. NSC (MW)	475.0	475.0	475.0	475.0	475.0	475.0	
14. Oper MBtu	1,446,847	991,565	62,368	1,645,742	1,753,886	2,298,819	
15. Net Gen (MWh)	133,193	92,386	4,867	147,859	155,960	211,370	
16. ANOHR (Btu/K)	10,863	10,733	12,814	11,130	11,246	10,876	
17. NOF %	58.1	53.0	40.5	53.5	51.7	61.8	
18. NPC (MW)	475.0	475.0	475.0	475.0	475.0	475.0	
19. ANOHR Equati	$10^6 / AKW * [295.33 - 45.69 * JAN + 68.87 * APR + 109.39 * JUN + 102.36 * JUL + 49.41 * AUG]$ +9,505						

Issued by: S. W. Connally, Jr.

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

CRIST 7	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Total
1. EAF (%)	100.0	90.3	100.0	77.7	0.0	45.9	76.1
2. PH	744.0	744.0	720.0	744.0	721.0	744.0	8784.0
3. SH	744.0	672.0	720.0	587.1	0.0	354.1	5889.3
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	826.5
5. UH	0.0	72.0	0.0	156.9	721.0	389.9	2068.3
6. POH	0.0	0.0	0.0	69.4	721.0	324.0	1665.4
7. FOH	0.0	27.3	0.0	0.0	0.0	0.0	70.2
8. MOH	0.0	44.7	0.0	87.6	0.0	65.9	332.8
9. PFOH	0.0	0.0	0.0	0.0	0.0	34.7	34.7
10. LR pf (MW)	0.0	0.0	0.0	0.0	0.0	162.5	162.5
11. PMOH	0.0	0.0	0.0	100.9	0.0	2.1	119.6
12. LR pm (MW)	0.0	0.0	0.0	43.4	0.0	105.0	71.8
13. NSC (MW)	475.0	475.0	475.0	475.0	475.0	475.0	475.0
14. Oper MBtu	2,626,187	2,181,547	2,380,105	1,897,355	0	993,768	18,278,188
15. Net Gen (MWh)	247,451	215,457	220,593	176,510	0	88,932	1,694,578
16. ANOHR (Btu/K	10,613	10,125	10,790	10,749	0	11,174	10,786
17. NOF %	70.0	67.5	64.5	63.3	0.0	52.9	60.6
18. NPC (MW)	475.0	475.0	475.0	475.0	475.0	475.0	475.0
19. ANOHR Equati	10*6 / AKW * [295.33 - 45.69 * JAN + 68.87 * APR + 109.39 * JUN + 102.36 * JUL + 49.41 * AUG] +9,505						

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ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

DANIEL 1	Jan '16	Feb '16	Mar '16	Apr '16	May '16	Jun '16	
1. EAF (%)	99.2	100.0	85.7	99.3	100.0	100.0	
2. PH	744.0	696.0	743.0	720.0	744.0	720.0	
3. SH	548.4	352.6	0.0	126.1	50.9	493.4	
4. RSH	195.6	343.5	636.9	593.9	693.1	226.6	
5. UH	0.0	0.0	106.1	0.0	0.0	0.0	
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	
8. MOH	0.0	0.0	106.1	0.0	0.0	0.0	
9. PFOH	34.5	0.7	0.0	27.8	0.0	0.0	
10. LR pf (MW)	86.2	95.0	0.0	89.8	0.0	0.0	
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12. LR pm (MW)	0.0	0.0	0.0	0.0	0.0	0.0	
13. NSC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	
14. Oper MBtu	1,215,542	606,229	0	280,625	81,399	1,313,486	
15. Net Gen (MWH)	104,472	55,072	0	20,238	7,362	109,602	
16. ANOHR (Btu/K)	11,635	11,008	0	13,866	11,057	11,984	
17. NOF %	37.4	30.6	0.0	31.5	28.4	43.6	
18. NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	
19. ANOHR Equati	$10^6 / AKW * [245.04 + 91.84 * MAY + 145.07 * OCT]$ + 9,666						

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ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

	DANIEL 1	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Total
1.	EAF (%)	98.7	100.0	84.0	99.9	99.9	88.8	96.3
2.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8784.0
3.	SH	736.2	744.0	608.7	324.4	721.0	668.9	5374.6
4.	RSH	0.0	0.0	0.0	419.6	0.0	0.0	3109.2
5.	UH	7.8	0.0	111.3	0.0	0.0	75.1	300.2
6.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.	FOH	7.8	0.0	0.0	0.0	0.0	0.0	7.8
8.	MOH	0.0	0.0	111.3	0.0	0.0	75.1	292.4
9.	PFOH	9.1	0.0	18.1	4.7	3.8	36.5	135.3
10.	LR pf (MW)	102.4	0.0	105.9	62.1	109.9	118.4	99.2
11.	PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.	LR pm (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13.	NSC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0
14.	Oper MBtu	2,067,398	1,728,933	1,354,844	694,575	1,444,769	1,229,174	12,016,973
15.	Net Gen (MWH)	177,681	146,886	115,361	66,037	125,831	99,632	1,028,174
16.	ANOHR (Btu/K	11,635	11,771	11,744	10,518	11,482	12,337	11,688
17.	NOF %	47.3	38.7	37.2	39.9	34.2	29.2	37.5
18.	NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0
19.	ANOHR Equati	$10^6 / AKW * [245.04 + 91.84 * MAY + 145.07 * OCT]$ $+ 9,666$						

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ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

DANIEL 2	Jan '16	Feb '16	Mar '16	Apr '16	May '16	Jun '16	
1. EAF (%)	99.8	98.5	85.7	99.8	100.0	99.4	
2. PH	744.0	696.0	743.0	720.0	744.0	720.0	
3. SH	512.4	399.0	0.0	114.4	398.3	715.9	
4. RSH	230.4	297.1	636.9	605.6	345.7	0.0	
5. UH	1.2	0.0	106.1	0.0	0.0	4.1	
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	
7. FOH	1.2	0.0	0.0	0.0	0.0	4.1	
8. MOH	0.0	0.0	106.1	0.0	0.0	0.0	
9. PFOH	1.4	1.1	0.0	1.1	0.7	0.0	
10. LR pf (MW)	45.7	248.0	0.0	506.0	52.0	0.0	
11. PMOH	0.0	13.1	0.0	0.0	0.0	0.0	
12. LR pm (MW)	0.0	395.0	0.0	0.0	0.0	0.0	
13. NSC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	
14. Oper MBtu	1,210,701	904,091	0	248,364	752,960	1,718,915	
15. Net Gen (MWH)	102,289	87,471	0	19,005	57,837	142,910	
16. ANOHR (Btu/K)	11,836	10,336	0	13,068	13,019	12,028	
17. NOF %	39.1	43.0	0.0	32.6	28.5	39.1	
18. NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	
19. ANOHR Equation	10*6 / AKW * [532.09 - 98.87 * FEB + 51.13 * MAY + 82.11 * JUN - 83.00 * NOV] +8,529						

Issued by: S. W. Connally, Jr.

ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

DANIEL 2	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Total
1. EAF (%)	99.1	100.0	71.7	98.9	100.0	100.0	96.1
2. PH	744.0	744.0	720.0	744.0	721.0	744.0	8784.0
3. SH	736.5	744.0	516.4	739.6	96.5	458.6	5431.6
4. RSH	1.7	0.0	0.0	0.0	624.5	285.4	3027.4
5. UH	5.8	0.0	203.6	4.4	0.0	0.0	325.1
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	0.0	0.0	203.6	4.4	0.0	0.0	213.2
8. MOH	5.8	0.0	0.0	0.0	0.0	0.0	111.9
9. PFOH	5.6	0.0	0.0	16.4	0.0	1.8	28.1
10. LR pf (MW)	78.6	0.0	0.0	119.2	0.0	33.0	120.9
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	13.1
12. LR pm (MW)	0.0	0.0	0.0	0.0	0.0	0.0	395.0
13. NSC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0
14. Oper MBtu	2,099,648	1,730,828	1,270,815	1,592,685	202,958	896,234	12,628,200
15. Net Gen (MWH)	179,701	147,293	107,299	134,754	22,010	73,896	1,074,465
16. ANOHR (Btu/K)	11,684	11,751	11,844	11,819	9,221	12,128	11,753
17. NOF %	47.8	38.8	40.7	35.7	44.7	31.6	38.8
18. NPC (MW)	510.0	510.0	510.0	510.0	510.0	510.0	510.0
19. ANOHR Equat.1	10*6 / AKW * [532.09 - 98.87 * FEB + 51.13 * MAY + 82.11 * JUN - 83.00 * NOV] + 8,529						

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ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

	SMITH 3	Jan '16	Feb '16	Mar '16	Apr '16	May '16	Jun '16	
1.	EAf (%)	99.9	100.0	100.0	96.6	68.4	100.0	
2.	PH	744.0	696.0	743.0	720.0	744.0	720.0	
3.	SH	655.3	663.2	743.0	695.7	487.0	720.0	
4.	RSH	88.7	32.8	0.0	0.0	23.5	0.0	
5.	UH	0.0	0.0	0.0	24.3	233.5	0.0	
6.	POH	0.0	0.0	0.0	24.3	196.2	0.0	
7.	FOH	0.0	0.0	0.0	0.0	0.0	0.0	
8.	MOH	0.0	0.0	0.0	0.0	37.2	0.0	
9.	PFOH	0.9	0.0	0.0	0.0	1.1	0.0	
10.	LR pf (MW)	266.0	0.0	0.0	0.0	223.0	0.0	
11.	PMOH	0.0	0.0	0.0	0.0	2.3	0.0	
12.	LR pm (MW)	0.0	0.0	0.0	0.0	223.0	0.0	
13.	NSC (MW)	584.0	584.0	558.0	558.0	558.0	556.0	
14.	Oper MBtu	2,268,695	2,166,452	2,733,595	2,494,483	1,666,063	2,484,478	
15.	Net Gen (MWH)	328,247	305,070	390,932	354,239	231,092	348,517	
16.	ANOHR (Btu/KWH)	6,912	7,101	6,993	7,042	7,210	7,129	
17.	NOF %	85.8	78.8	94.3	91.3	85.0	87.1	
18.	NPC (MW)	584.0	584.0	558.0	558.0	558.0	556.0	
19.	ANOHR Equati	$10^6 / AKW * [161.14 + 33.85 * JUL]$ + 6,534						

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ACTUAL UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2016 - December 2016

SMITH 3	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Total
1. EAF (%)	100.0	97.7	46.5	0.0	74.2	98.1	81.7
2. PH	744.0	744.0	720.0	744.0	721.0	744.0	8784.0
3. SH	744.0	744.0	328.9	0.0	540.6	744.0	7065.7
4. RSH	0.0	0.0	6.1	0.0	6.1	0.0	157.2
5. UH	0.0	0.0	385.0	744.0	174.3	0.0	1561.1
6. POH	0.0	0.0	385.0	744.0	124.6	0.0	1474.2
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. MOH	0.0	0.0	0.0	0.0	49.7	0.0	86.9
9. PFOH	0.0	0.0	0.4	0.0	1.0	4.1	7.5
10. LR pf (MW)	0.0	0.0	202.0	0.0	266.0	266.0	256.4
11. PMOH	0.0	43.4	0.0	0.0	15.1	27.5	88.3
12. LR pm (MW)	0.0	222.0	0.0	0.0	407.5	266.0	267.5
13. NSC (MW)	556.0	556.0	556.0	558.0	558.0	584.0	563.8
14. Oper MBtu	2,593,986	2,498,594	1,121,300	0	1,924,368	2,555,961	24,507,976
15. Net Gen (MWH)	358,966	348,198	153,119	0	272,930	366,188	3,457,498
16. ANOHR (Btu/K)	7,226	7,176	7,323	0	7,051	6,980	7,088
17. NOF %	86.8	84.2	83.7	0.0	90.5	84.3	86.8
18. NPC (MW)	556.0	556.0	556.0	558.0	558.0	584.0	563.8
19. ANOHR Equat	$10^6 / AKW * [161.14 + 33.85 * JUL]$ $+ 6,534$						

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Planned Outage Schedules (Actual)

Period of: January 2016 - December 2016

Critical path bar charts of actual work activity performed during major planned outages are not shown here since corresponding bar charts of forecast work activity were not provided earlier in conformance with agreement with Staff to avoid the premature production of charts prior to their normal course of development. Forecast and actual critical path bar charts are developed for each planned outage and, per agreement with Staff, these charts will be provided on request.

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