



Matthew R. Bernier
ASSOCIATE GENERAL COUNSEL

February 28, 2020

VIA ELECTRONIC FILING

Adam J. Teitzman, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: *Performance Data Report for January 2020*
Docket No. 20200001-EI

Dear Mr. Teitzman:

Attached for electronic filing in the above-referenced Docket is Duke Energy Florida, LLC's Performance Data Report for January 2020.

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.

Sincerely,

/s/ Matthew R. Bernier

Matthew R. Bernier

MRB/cm
Attachment

cc: Director, Division of Engineering, FPSC

CERTIFICATE OF SERVICE

Docket No. 20200001-EI

I HEREBY CERTIFY that a true copy of the above-mentioned document has been furnished to the following individuals via e-mail on this 28th day of February, 2020.

/s/ Matthew R. Bernier

Attorney

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Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2020

Bartow CC	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan - Jan Period
1. EAF	83.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.98
2. PH	744	0	0	0	0	0	0	0	0	0	0	0	744
3. SH	616.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	616.2
4. RSH	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6
5. UH	119.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119.2
6. POH	116.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	116.6
7. FOH	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
8. MOH	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
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	1144	0	0	0	0	0	0	0	0	0	0	0	1144
16. OPER MBTU	4,050,994	0	0	0	0	0	0	0	0	0	0	0	4,050,994
17. NET GEN (MWH)	555,214	0	0	0	0	0	0	0	0	0	0	0	555,214
18. ANOHR (BTU/KWH)	7,296.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,296.3
19. NOF (%)	78.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.76
20. NPC (MW)	1144	0	0	0	0	0	0	0	0	0	0	0	1144

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2020

OSPREY CC	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan - Jan Period
1. EAF	99.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.53
2. PH	744	0	0	0	0	0	0	0	0	0	0	0	744
3. SH	194.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	194.4
4. RSH	546.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	546.7
5. UH	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
8. MOH	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
12. LR PF (MW)	111.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.3
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	582	0	0	0	0	0	0	0	0	0	0	0	582
16. OPER MBTU	541,636	0	0	0	0	0	0	0	0	0	0	0	541,636
17. NET GEN (MWH)	71,968	0	0	0	0	0	0	0	0	0	0	0	71,968
18. ANOHR (BTU/KWH)	7,526.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,526.1
19. NOF (%)	63.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.60
20. NPC (MW)	582	0	0	0	0	0	0	0	0	0	0	0	582

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2020

HINES Power Block 1	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan - Jan Period
1. EAF	98.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.88
2. PH	744	0	0	0	0	0	0	0	0	0	0	0	744
3. SH	259.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	259.0
4. RSH	476.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	476.7
5. UH	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
8. MOH	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
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	490	0	0	0	0	0	0	0	0	0	0	0	490
16. OPER MBTU	780,815	0	0	0	0	0	0	0	0	0	0	0	780,815
17. NET GEN (MWH)	102,818	0	0	0	0	0	0	0	0	0	0	0	102,818
18. ANOHR (BTU/KWH)	7,594.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,594.1
19. NOF (%)	81.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.02
20. NPC (MW)	490	0	0	0	0	0	0	0	0	0	0	0	490

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2020

HINES Power Block 2	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan - Jan Period
1. EAF	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
2. PH	744	0	0	0	0	0	0	0	0	0	0	0	744
3. SH	703.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	703.6
4. RSH	40.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5
5. UH	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
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. MOH	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
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	524	0	0	0	0	0	0	0	0	0	0	0	524
16. OPER MBTU	2,149,462	0	0	0	0	0	0	0	0	0	0	0	2,149,462
17. NET GEN (MWH)	290,864	0	0	0	0	0	0	0	0	0	0	0	290,864
18. ANOHR (BTU/KWH)	7,389.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,389.9
19. NOF (%)	78.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78.90
20. NPC (MW)	524	0	0	0	0	0	0	0	0	0	0	0	524

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2020

HINES Power Block 3	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan - Jan Period
1. EAF	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
2. PH	744	0	0	0	0	0	0	0	0	0	0	0	744
3. SH	460.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	460.1
4. RSH	284.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	284.0
5. UH	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
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8. MOH	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
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	515	0	0	0	0	0	0	0	0	0	0	0	515
16. OPER MBTU	1,364,781	0	0	0	0	0	0	0	0	0	0	0	1,364,781
17. NET GEN (MWH)	181,972	0	0	0	0	0	0	0	0	0	0	0	181,972
18. ANOHR (BTU/KWH)	7,499.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,499.9
19. NOF (%)	76.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.81
20. NPC (MW)	515	0	0	0	0	0	0	0	0	0	0	0	515

Duke Energy Florida

ACTUAL UNIT PERFORMANCE DATA -- YEAR 2020

HINES Power Block 4	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan - Jan Period
1. EAF	99.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.14
2. PH	744	0	0	0	0	0	0	0	0	0	0	0	744
3. SH	720.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	720.9
4. RSH	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6
5. UH	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6
6. POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7. FOH	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6
8. MOH	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
9. PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10. LR PP (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11. PFOH	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6
12. LR PF (MW)	78.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.1
13. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15. NSC (MW)	516	0	0	0	0	0	0	0	0	0	0	0	516
16. OPER MBTU	2,200,579	0	0	0	0	0	0	0	0	0	0	0	2,200,579
17. NET GEN (MWH)	317,533	0	0	0	0	0	0	0	0	0	0	0	317,533
18. ANOHR (BTU/KWH)	6,930.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,930.2
19. NOF (%)	85.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.37
20. NPC (MW)	516	0	0	0	0	0	0	0	0	0	0	0	516

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - January 2020

Bartow CC

Unit	Date	Outage Type	Hours	MW Affected	Description
BCC 4B	01-01-20	PO	668.72	183.0	MAJOR GAS TURBINE OVERHAUL
BCC 4B	28-01-20	FFO	12.70	183.0	GAS TURBINE - FUEL PIPING AND VALVES
BCC 4B	30-01-20	FFO	2.18	183.0	GAS TURBINE - FUEL PIPING AND VALVES

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - January 2020

Osprey CC

Unit	Date	Outage Type	Hours	MW Affected	Description
OS1CT1	06-01-20	FMO	7.50	180.0	FLASHBACK (INCLUDING INSTRUMENTATION)
OS1ST1	06-01-20	PFO	7.48	120.0	FLASHBACK (INCLUDING INSTRUMENTATION)
OS1ST1	11-01-20	FFO	1.03	240.0	CONDENSER LOSS OF VACUUM
OS1ST1	11-01-20	FFO	0.38	240.0	CONDENSER LOSS OF VACUUM

Duke Energy Florida

ACTUAL UNIT EVENT DATA -- January - January 2020

Hines Power Block 1

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 1A	20-01-20	FFO	24.95	163.0	COMBINED CYCLE INSTRUMENTS AND CONTROLS

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ACTUAL UNIT EVENT DATA -- January - January 2020

Hines Power Block 2

Unit	Date	Outage Type	Hours	MW Affected	Description

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ACTUAL UNIT EVENT DATA -- January - January 2020

Hines Power Block 3

Unit	Date	Outage Type	Hours	MW Affected	Description

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ACTUAL UNIT EVENT DATA -- January - January 2020

Hines Power Block 4

Unit	Date	Outage Type	Hours	MW Affected	Description
HEP 4A	25-01-20	FFO	16.85	176.0	GAS TURBINE COMPRESSOR - BLEED VALVES
HEP ST4	25-01-20	PFO	16.85	72.0	GAS TURBINE COMPRESSOR - BLEED VALVES