TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 1 OF 19 JUNE 13, 2024

Schedule 9 (Page 1 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Bayside 1 Enhancement
(2)	Net Capability A. Summer B. Winter	48 MW 65 MW
(3)	Technology Type	Combustion Turbine
(4)	Anticipated Construction Timing A. Field Construction Start Date B. Commercial In-Service Date	2022 January 2023
(5)	Fuel A. Primary Fuel B. Alternate Fuel	Natural Gas N/A
(6)	Air Pollution Control Strategy	Dry-Low NO _x
(7)	Cooling Method	N/A
(8)	Total Site Area	Undetermined
(9)	Construction Status	Planned
(10)	Certification Status	Undetermined
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2023) Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A N/A N/A N/A
(13)	Projected Unit Financial Data Book Life (Years) Total Installed Cost ¹ (In-Service Year \$/kW) Direct Construction Cost (\$/kW) AFUDC ¹ Amount (\$/kW) Escalation (\$/kW) Fixed O&M (In-Service Year \$/kW – Yr) Variable O&M (In-Service Year \$/MWh) K-Factor	15 375 367 - 8.10 - - 1.21

¹ Total installed cost includes transmission interconnection

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TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 2 OF 19 JUNE 13, 2024

Schedule 9 (Page 2 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Juniper Solar
(2)	Net Capability	
(-)	A. Summer	70.0 MW-ac
	B. Winter	70.0 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date ³	December 2020
	B. Commercial In-Service Date	August 2023
(5)	Fuel	
	A. Primary Fuel	Solar
	B. Alternate Fuel	N/A
(6)	Air Pollution Control Strategy	N/A
(7)		N1/A
(7)	Cooling Method	N/A
(8)	Total Site Area	+695 Acres
(8)	Total Site Area	+035 Acres
(9)	Construction Status	Planned
(0)		
(10)	Certification Status	N/A
. ,		
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data	
	Planned Outage Factor (POF)	N/A
	Forced Outage Factor (FOF)	N/A
	Equivalent Availability Factor (EAF)	N/A
	Resulting Capacity Factor (2024)	26%
	Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A
(13)	Projected Unit Financial Data	
	Book Life (Years)	35
	Total Installed Cost ^{1,2} (In-Service Year \$/kW)	1,426
	Direct Construction Cost (\$/kW)	1,419
	AFUDC Amount (\$/kW)	7.23
	Escalation (\$/kW)	-
	Fixed O&M (In-Service Year \$/kW – Yr)	11.15
	Variable O&M (In-Service Year \$/MWh)	-
	K-Factor	0.81

¹ Land price included

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 3 OF 19 JUNE 13, 2024

Schedule 9 (Page 3 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Bayside 2 Enhancement
(2)	Net Capability A. Summer B. Winter	70 MW 80 MW
(3)	Technology Type	Combustion Turbine
(4)	Anticipated Construction Timing A. Field Construction Start Date B. Commercial In-Service Date	2023 January 2024
(5)	Fuel A. Primary Fuel B. Alternate Fuel	Natural Gas N/A
(6)	Air Pollution Control Strategy	Dry-Low NO _x
(7)	Cooling Method	N/A
(8)	Total Site Area	Undetermined
(9)	Construction Status	Planned
(10)	Certification Status	Undetermined
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2024) Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A N/A N/A N/A
(13)	Projected Unit Financial Data Book Life (Years) Total Installed Cost ¹ (In-Service Year \$/kW) Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) Escalation (\$/kW) Fixed O&M (In-Service Year \$/kW – Yr) Variable O&M (In-Service Year \$/MWh) K-Factor	15 407 398 - 8.77 - 1.21

¹ Total installed cost includes transmission interconnection

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TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 4 OF 19 JUNE 13, 2024

Schedule 9 (Page 4 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Alafia Solar
(2)	Net Capability	
(2)	A. Summer	60 MW-ac
	B. Winter	60 MW-ac
	b. Willer	00 10100-20
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date ³	December 2017
	B. Commercial In-Service Date	December 2023
(5)	Fuel	
	A. Primary Fuel	Solar
	B. Alternate Fuel	N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	+408 Acres
(9)	Construction Status	Planned
(10)	Certification Status	N/A
(11)	Status with Federal Agencies	N/A
(4.2)		
(12)	Projected Unit Performance Data	
	Planned Outage Factor (POF)	N/A
	Forced Outage Factor (FOF)	N/A
	Equivalent Availability Factor (EAF)	N/A
	Resulting Capacity Factor (2024)	26%
	Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A
(13)	Projected Unit Financial Data	
()	Book Life (Years)	35
	Total Installed Cost ^{1,2} (In-Service Year \$/kW)	1,538
	Direct Construction Cost (\$/kW)	1,458
	AFUDC Amount (\$/kW)	79.48
	Escalation (\$/kW)	-
	Fixed O&M (In-Service Year \$/kW – Yr)	11.39
	Variable O&M (In-Service Year \$/MWh)	-
	K-Factor	0.82
		0.02
4		

¹ Land price included

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 5 OF 19 JUNE 13, 2024

Schedule 9 (Page 5 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Lake Mabel Solar
(2)	Net Capability A. Summer B. Winter	74.5 MW-ac 74.5 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing A. Field Construction Start Date ³ B. Commercial In-Service Date	December 2020 December 2023
(5)	Fuel A. Primary Fuel B. Alternate Fuel	Solar N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	+575 Acres
(9)	Construction Status	Planned
(10)	Certification Status	N/A
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2024) Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A N/A 26% N/A
(13)	Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year \$/kW) Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) Escalation (\$/kW) Fixed O&M (In-Service Year \$/kW – Yr) Variable O&M (In-Service Year \$/MWh) K-Factor	35 1,397 1,332 64.57 - 11.39 - 0.78

¹ Land price included

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

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Schedule 9 (Page 6 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Dover Solar
(2)	Net Capability	
(2)	A. Summer	25 MW-ac
	B. Winter	25 MW-ac
	D. Winter	25 10100-40
(3)	Technology Type	Single Axis Tracking PV Solar
.,		
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date ³	March 2022
	B. Commercial In-Service Date	December 2023
(5)	Fuel	
	A. Primary Fuel	Solar
	B. Alternate Fuel	N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	+177 Acres
(9)	Construction Status	Planned
(10)	Certification Status	N/A
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data	
	Planned Outage Factor (POF)	N/A
	Forced Outage Factor (FOF)	N/A
	Equivalent Availability Factor (EAF)	N/A
	Resulting Capacity Factor (2024)	26%
	Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A
(13)	Projected Unit Financial Data	
(13)	Book Life (Years)	35
	Total Installed Cost ^{1,2} (In-Service Year \$/kW)	1,814
	Direct Construction Cost (\$/kW)	1,735
	AFUDC Amount (\$/kW)	79.67
		19.07
	Escalation (\$/kW)	-
	Fixed O&M (In-Service Year \$/kW – Yr)	11.17
	Variable O&M (In-Service Year \$/MWh)	-
	K-Factor	0.83
1		

¹ Land Price Included

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 7 OF 19 JUNE 13, 2024

Schedule 9 (Page 7 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Dover Storage
(2)	Net Capability A. Summer B. Winter	15 MW-ac 15 MW-ac
(3)	Technology Type	Battery
(4)	Anticipated Construction Timing A. Field Construction Start Date ³ B. Commercial In-Service Date	March 2022 January 2024
(5)	Fuel A. Primary Fuel B. Alternate Fuel	Solar N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	Undetermined
(9)	Construction Status	Planned
(10)	Certification Status	N/A
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2024) Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A N/A N/A N/A
(13)	Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year \$/kW) Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) Escalation (\$/kW) Fixed O&M (In-Service Year \$/kW – Yr) Variable O&M (In-Service Year \$/MWh) K-Factor	10 1,312 1,233 78.83 - 4.08 - 0.88
11		

¹ Land price included

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

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Schedule 9 (Page 8 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Future Solar 1
(-)		(Multiple Sites, each not to exceed 74.5MW)
(2)	Net Capability	
	A. Summer	137.5 MW-ac
	B. Winter	137.5 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
()	A. Field Construction Start Date ³	2024
	B. Commercial In-Service Date	January 2025
(5)	Fuel A. Primary Fuel	Solar
	B. Alternate Fuel	N/A
	b. Alternate Fuel	N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	Undetermined
(8)		ondetermined
(9)	Construction Status	Proposed
(10)	Certification Status	N/A
(11)	Status with Federal Agencies	N/A
(11)	Status with rederatingeneies	
(12)	Projected Unit Performance Data	
	Planned Outage Factor (POF)	N/A
	Forced Outage Factor (FOF)	N/A
	Equivalent Availability Factor (EAF)	N/A
	Resulting Capacity Factor (2025)	26%
	Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A
(13)	Projected Unit Financial Data	
(10)	Book Life (Years)	35
	Total Installed Cost ^{1,2} (In-Service Year \$/kW)	1,430
	Direct Construction Cost (\$/kW)	1,335
	AFUDC Amount (\$/kW)	94.62
	Escalation (\$/kW)	-
	Fixed O&M (In-Service Year \$/kW – Yr)	- 11.24
	Variable O&M (In-Service Year \$/MWh)	-
	K-Factor	- 0.85
	ור-ו מכנטו	0.00
1/0.1	land	

¹ w/o Land

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 9 OF 19 JUNE 13, 2024

Schedule 9 (Page 9 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Battery Storage 1
(2)	Net Capability A. Summer B. Winter	100 MW 100 MW
(3)	Technology Type	Battery
(4)	Anticipated Construction Timing A. Field Construction Start Date ² B. Commercial In-Service Date	2024 January 2025
(5)	Fuel A. Primary Fuel B. Alternate Fuel	N/A N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	Undetermined
(9)	Construction Status	Proposed
(10)	Certification Status	Undetermined
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2024) Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A N/A N/A N/A
(13)	Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year \$/kW) Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) Escalation (\$/kW) Fixed O&M (In-Service Year \$/kW – Yr) Variable O&M (In-Service Year \$/MWh) K-Factor	10 1,452 1,330 121.87 - 4.16 - 0.93

¹ w/o Land

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

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TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 10 OF 19 JUNE 13, 2024

Schedule 9 (Page 10 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Reciprocating Engine 1
(2)	Net Capability A. Summer B. Winter	37 MW (Consisting of 2 Units) 37 MW (Consisting of 2 Units)
(3)	Technology Type	Combustion Turbine
(4)	Anticipated Construction Timing A. Field Construction Start Date ² B. Commercial In-Service Date	December 2022 April 2025
(5)	Fuel A. Primary Fuel B. Alternate Fuel	Natural Gas N/A
(6)	Air Pollution Control Strategy	Dry-Low NO _x
(7)	Cooling Method	N/A
(8)	Total Site Area	Undetermined
(9)	Construction Status	Proposed
(10)	Certification Status	Undetermined
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2026) Average Net Operating Heat Rate (In-Service Year ANOHR)	2% 2% 96% 0.64% 8,117 Btu/kWh
(13)	Projected Unit Financial Data Book Life (Years) Total Installed Cost ¹ (In-Service Year \$/kW) Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) Escalation (\$/kW) Fixed O&M (In-Service Year \$/kW – Yr) Variable O&M (In-Service Year \$/MWh) K-Factor	30 1,279 1,176 65.41 37.43 22.69 2.51 1.32

¹ Total installed cost includes transmission interconnection

² Construction schedule includes engineering design and permitting

TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 11 OF 19 JUNE 13, 2024

Schedule 9 (Page 11 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Future Solar 2 (Multiple Sites, each not to exceed 74.5MW)
(2)	Net Capability	
ν,	A. Summer	223.5 MW-ac
	B. Winter	223.5 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
()	A. Field Construction Start Date ³	2025
	B. Commercial In-Service Date	January 2026
	B. Commercial in-service Date	January 2020
(5)	Fuel	
(5)	A. Primary Fuel	N/A
	B. Alternate Fuel	
	B. Alternate Fuel	N/A
(6)	Air Pollution Control Strategy	N/A
(0)	All Foliation Control Strategy	N/A
(7)	Cooling Method	N/A
(')		
(8)	Total Site Area	Undetermined
(0)		
(9)	Construction Status	Proposed
X= 7		
(10)	Certification Status	Undetermined
· /		
(11)	Status with Federal Agencies	N/A
()		
(12)	Projected Unit Performance Data	
ι,	Planned Outage Factor (POF)	N/A
	Forced Outage Factor (FOF)	N/A
	Equivalent Availability Factor (EAF)	N/A
	Resulting Capacity Factor (2026)	26%
	Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A
	Average net Operating heat nate (in-service fear Anorn)	N/A
(13)	Projected Unit Financial Data	
(15)	Book Life (Years)	35
	Total Installed Cost ^{1,2} (In-Service Year \$/kW)	
		1,417
	Direct Construction Cost (\$/kW)	1,335
	AFUDC Amount (\$/kW)	82.16
	Escalation (\$/kW)	-
	Fixed O&M (In-Service Year \$/kW – Yr)	11.46
	Variable O&M (In-Service Year \$/MWh)	-
	K-Factor	0.85

¹ w/o Land

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

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TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 12 OF 19 JUNE 13, 2024

Schedule 9 (Page 12 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Future Solar 3
(2)	Net Capability A. Summer B. Winter	74.5 MW-ac 74.5 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing A. Field Construction Start Date ³ B. Commercial In-Service Date	2026 January 2027
(5)	Fuel A. Primary Fuel B. Alternate Fuel	Solar N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	Undetermined
(9)	Construction Status	Proposed
(10)	Certification Status	N/A
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2025) Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A N/A 26 % N/A
(13)	Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year \$/kW) Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) Escalation (\$/kW) Fixed O&M (In-Service Year \$/kW – Yr) Variable O&M (In-Service Year \$/MWh) K-Factor	35 1,305 1,177 128.47 - 11.88 - 0.82

¹ w/o Land

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 13 OF 19 JUNE 13, 2024

Schedule 9 (Page 13 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Future Solar 4
(2)	Nat Canability	
(2)	Net Capability A. Summer	74.5 MW-ac
	B. Winter	74.5 MW-ac
	b. Willer	74.3 WW -ac
(3)	Technology Type	Single Axis Tracking PV Solar
. ,		5 5
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date ³	2027
	B. Commercial In-Service Date	January 2028
(5)	Fuel	
	A. Primary Fuel	Solar
	B. Alternate Fuel	N/A
(6)	Alto Dell'altica i Carata el Chasterra	NI / A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(')		
(8)	Total Site Area	Undetermined
<i>ν</i> ,		
(9)	Construction Status	Proposed
(10)	Certification Status	Undetermined
()		
(11)	Status with Federal Agencies	N/A
(1 2)	Durais stad Unit Daufaurasanan Data	
(12)	Projected Unit Performance Data	NI/A
	Planned Outage Factor (POF)	N/A
	Forced Outage Factor (FOF)	N/A
	Equivalent Availability Factor (EAF)	N/A
	Resulting Capacity Factor (2026)	26%
	Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A
(13)	Projected Unit Financial Data	
(13)	Book Life (Years)	35
	Total Installed Cost ^{1,2} (In-Service Year \$/kW)	1,305
	Direct Construction Cost (\$/kW)	1,177
	AFUDC Amount (\$/kW)	128.47
	Escalation (\$/kW)	-
	Fixed O&M (In-Service Year \$/kW – Yr)	12.12
	Variable O&M (In-Service Year \$/MWh)	-
	K-Factor	0.83
1 .		
¹ w/o1;	bne	

¹ w/o Land

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

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TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 14 OF 19 JUNE 13, 2024

Schedule 9 (Page 14 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Future Solar 5
(2)	Net Capability	
(2)	A. Summer	74.5 MW-ac
	B. Winter	74.5 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
.,		
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date ³	2028
	B. Commercial In-Service Date	January 2029
(5)	Fuel	
	A. Primary Fuel	Solar
	B. Alternate Fuel	N/A
	Also Bellettere Constant Constants	21/2
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(7)		194
(8)	Total Site Area	Undetermined
(-)		
(9)	Construction Status	Proposed
(10)	Certification Status	Undetermined
(11)	Status with Federal Agencies	N/A
(
(12)	Projected Unit Performance Data	
	Planned Outage Factor (POF)	N/A
	Forced Outage Factor (FOF)	N/A
	Equivalent Availability Factor (EAF)	N/A
	Resulting Capacity Factor (2028)	26%
	Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A
(13)	Projected Unit Financial Data	
(13)	Book Life (Years)	35
	Total Installed Cost ^{1,2} (In-Service Year \$/kW)	1,305
	Direct Construction Cost (\$/kW)	1,177
	AFUDC Amount (\$/kW)	128.47
	Escalation (\$/kW)	-
	Fixed O&M (In-Service Year \$/kW – Yr)	12.36
	Variable O&M (In-Service Year \$/MWh)	-
	K-Factor	0.83

¹ w/o Land

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 15 OF 19 JUNE 13, 2024

Schedule 9 (Page 15 of 19) Status Report and Specifications of Proposed Generating Facilities

(1) Plant Name and Unit Number Future Solar 6 (2) Net Capability A. Summer B. Winter 74.5 MW-ac 74.5 MW-ac (3) Technology Type Single Axis Tracking PV Solar (4) Anticipated Construction Timing A. Field Construction Start Date ³ 2029 January 2030 (5) Fuel A. Primary Fuel B. Commercial In-Service Date Solar N/A (6) Air Pollution Control Strategy N/A (7) Cooling Method N/A (8) Total Site Area Undetermined (9) Construction Status Proposed (10) Certification Status Undetermined (11) Status with Federal Agencies N/A (12) Projected Unit Performance Data Proced Outage Factor (FOF) Equivalent Availability Factor (EAF) N/A N/A (13) Projected Unit Financial Data Book Life (Years) 35 Average Net Operating Heat Rate (In-Service Year ANOHR) N/A (13) Projected Unit Financial Data Book Life (Years) 35 Average Net Operating Heat Rate (In-Service Year S/kW) 35 Average Net Operating Heat Rate (In-Service Year S/kW) 35 Average Net Operating Heat Rate (In-Service Year S/kW) 36 Average Net Operating Heat Rate (In-Service Year S/kW) - Fixed O&M (In-Service Year S/kW - Yr)			
A. Summer B. Winter74.5 MW-ac 74.5 MW-ac(3)Technology TypeSingle Axis Tracking PV Solar(4)Anticipated Construction Timing A. Field Construction Start Date ³ B. Commercial In-Service Date2029 January 2030(5)Fuel A. Primary Fuel B. Alternate FuelSolar N/A(6)Air Pollution Control StrategyN/A(7)Cooling MethodN/A(7)Cooling MethodN/A(8)Total Site AreaUndetermined(9)Construction StatusProposed(10)Certification StatusUndetermined(11)Status with Federal AgenciesN/A(12)Projected Unit Performance Data Planned Outage Factor (POF) Resulting Capacity Factor (2029) Average Net Operating Heat Rate (In-Service Year ANOHR)N/A(13)Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year S/KW) Direct Construction Cost (S/KW) Fixed O&M (In-Service Year S/KW) Yr) Fixed O&M (In-Service Year S/KW) Yr) Fixed O&M (In-Service Year S/KW) Yr) Fixed O&M (In-Service Year S/KW) N/A	(1)	Plant Name and Unit Number	Future Solar 6
(4)Anticipated Construction Start Date32029 January 2030(5)Fuel A. Primary Fuel B. Alternate FuelSolar 	(2)	A. Summer	
A. Field Construction Start Date ³ 2029 January 2030(5)Fuel A. Primary Fuel B. Alternate FuelSolar N/A(6)Air Pollution Control StrategyN/A(7)Cooling MethodN/A(8)Total Site AreaUndetermined(9)Construction StatusProposed(10)Certification StatusUndetermined(11)Status with Federal AgenciesN/A(12)Projected Unit Performance Data Planned Outage Factor (POF) Average Net Operating Heat Rate (In-Service Year ANOHR)N/A(13)Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year S/kW) Ecalation (S/kW)35 Total Installed Cost ^{1,2} (In-Service Year S/kW) LizeArt35 Total Installed Cost ^{1,2} (In-Service Year S/kW) LizeArt(13)Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year S/kW) Ecalation (S/kW) Ecalation (S/kW)35 Total Installed Cost ^{1,2} (In-Service Year S/kW) LizeArt(13)Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year S/kW) Ecalation (S/kW) Ecalation (S/kW)35 Total Installed Cost ^{1,2} (In-Service Year S/kW) LizeArt(13)Projected Cost (S/kW) Ecalation (S/kW) Ecalation (S/kW) Ecalation (S/kW)- LizeArtFixed O&M (In-Service Year S/kW - Yr) Variable O&M (In-Service Year S/kW - Yr) Variable O&M (In-Service Year S/kW - Yr)- LizeArt	(3)	Technology Type	Single Axis Tracking PV Solar
A. Primary Fuel B. Alternate FuelSolar N/A(6)Air Pollution Control StrategyN/A(7)Cooling MethodN/A(7)Cooling MethodN/A(8)Total Site AreaUndetermined(9)Construction StatusProposed(10)Certification StatusUndetermined(11)Status with Federal AgenciesN/A(12)Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (POF) Resulting Capacity Factor (2029) Average Net Operating Heat Rate (In-Service Year ANOHR)N/A(13)Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year \$/kW) Direct Construction Cost (\$/kW) Escalation (\$/kW)35 Total Installed Cost ^{1,2} (In-Service Year \$/kW) Total State OgeM (In-Service Year \$/kW) Fixed O&M (In-Service Year \$/kWH) Fixed O&M (In-Service Year \$/kWH) Fixed O&M (In-Service Year \$/kWH) Fixed O&M (In-Service Year \$/kWH) Fixed O K0.84	(4)	A. Field Construction Start Date ³	
(7)Cooling MethodN/A(8)Total Site AreaUndetermined(9)Construction StatusProposed(10)Certification StatusUndetermined(11)Status with Federal AgenciesN/A(12)Projected Unit Performance Data Planned Outage Factor (POF)N/AForced Outage Factor (FOF)N/AEquivalent Availability Factor (EAF)N/AResulting Capacity Factor (2029)26% Average Net Operating Heat Rate (In-Service Year ANOHR)N/A(13)Projected Unit Financial Data Book Life (Years)35 Total Installed Cost1-2 (In-Service Year \$/kW)1,305 1,305 Direct Construction Cost (\$/kW)(13)Projected Unit Financial Data Book Life (Years)35 Total Installed Cost1-2 (In-Service Year \$/kW)1,28.47 Escalation (\$/kW)Fixed 0&M (In-Service Year \$/kW – Yr)12.61 Yariable 0&M (In-Service Year \$/MWh) K-Factor-K-Factor0.84	(5)	A. Primary Fuel	
 (8) Total Site Area (9) Construction Status (10) Certification Status (11) Status with Federal Agencies (12) Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (FOF) Resulting Capacity Factor (2029) Average Net Operating Heat Rate (In-Service Year ANOHR) (13) Projected Unit Financial Data Book Life (Years) Total Installed Cost^{1,2} (In-Service Year \$/kW) Direct Construction Cost (\$/kW) Fixed O&M (In-Service Year \$/kW - Yr) Variable O&M (In-Service Year \$/MWh) K-Factor (13) Or and the service Year \$/MWh K-Factor (14) Note the service Year \$/MWh K-Factor 	(6)	Air Pollution Control Strategy	N/A
 (9) Construction Status (10) Certification Status (11) Status with Federal Agencies (12) Projected Unit Performance Data Planned Outage Factor (POF) (12) Projected Unit Performance Data Planned Outage Factor (FOF) (13) Projected Unit Financial Data Book Life (Years) (13) Projected Unit Financial Data Book Life (Years) (13) Projected Unit Financial Data Book Life (Years) (14) Projected Unit Financial Data Book Life (Years) (15) Direct Construction Cost (\$/kW) (17) Fixed O&M (In-Service Year \$/kW - Yr) (17) Fixed O&M (In-Service Year \$/kW+ Yr) (17) Variable O&M (In-Service Year \$/MWh) (17) K-Factor (17) O.84 	(7)	Cooling Method	N/A
(10)Certification StatusUndetermined(11)Status with Federal AgenciesN/A(12)Projected Unit Performance Data Planned Outage Factor (POF)N/AForced Outage Factor (FOF)N/AEquivalent Availability Factor (EAF)N/AResulting Capacity Factor (2029)26%Average Net Operating Heat Rate (In-Service Year ANOHR)N/A(13)Projected Unit Financial Data Book Life (Years)35Total Installed Cost ^{1,2} (In-Service Year \$/kW)1,305Direct Construction Cost (\$/kW)1,177AFUDC Amount (\$/kW)128.47Escalation (\$/kW)-Fixed 0&M (In-Service Year \$/kW - Yr)12.61Variable 0&M (In-Service Year \$/MWh)-K-Factor0.84	(8)	Total Site Area	Undetermined
(11)Status with Federal AgenciesN/A(12)Projected Unit Performance Data Planned Outage Factor (POF)N/A Forced Outage Factor (FOF)Forced Outage Factor (FOF)N/A Equivalent Availability Factor (EAF)N/A Resulting Capacity Factor (2029)Average Net Operating Heat Rate (In-Service Year ANOHR)N/A(13)Projected Unit Financial Data Book Life (Years)35 Total Installed Cost ^{1,2} (In-Service Year \$/kW)Direct Construction Cost (\$/kW)1,177 AFUDC Amount (\$/kW)128.47 Escalation (\$/kW)Escalation (\$/kW)- Fixed 0&M (In-Service Year \$/MWh)- NK-Factor0.84	(9)	Construction Status	Proposed
(12)Projected Unit Performance DataPlanned Outage Factor (POF)N/AForced Outage Factor (FOF)N/AEquivalent Availability Factor (EAF)N/AResulting Capacity Factor (2029)26%Average Net Operating Heat Rate (In-Service Year ANOHR)N/A(13)Projected Unit Financial DataBook Life (Years)35Total Installed Cost ^{1,2} (In-Service Year \$/kW)1,305Direct Construction Cost (\$/kW)1,177AFUDC Amount (\$/kW)-Fixed O&M (In-Service Year \$/kW - Yr)12.61Variable O&M (In-Service Year \$/MWh)-K-Factor0.84	(10)	Certification Status	Undetermined
Planned Outage Factor (POF)N/AForced Outage Factor (FOF)N/AEquivalent Availability Factor (EAF)N/AResulting Capacity Factor (2029)26%Average Net Operating Heat Rate (In-Service Year ANOHR)N/A(13)Projected Unit Financial DataBook Life (Years)35Total Installed Cost ^{1,2} (In-Service Year \$/kW)1,305Direct Construction Cost (\$/kW)1,177AFUDC Amount (\$/kW)-Fixed O&M (In-Service Year \$/kW - Yr)12.61Variable O&M (In-Service Year \$/MWh)-K-Factor0.84	(11)	Status with Federal Agencies	N/A
Fixed O&M (In-Service Year \$/kW - Yr)12.61Variable O&M (In-Service Year \$/MWh)-K-Factor0.84		Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2029) Average Net Operating Heat Rate (In-Service Year ANOHR) Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year \$/kW) Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW)	N/A N/A 26% N/A 35 1,305 1,177
	¹ w/o l	Fixed O&M (In-Service Year \$/kW – Yr) Variable O&M (In-Service Year \$/MWh) K-Factor	12.61

 1 w/o Land

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

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Schedule 9 (Page 16 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Reciprocating Engine 2
(2)	Net Capability A. Summer B. Winter	37 MW (Consisting of 2 Units) 37 MW (Consisting of 2 Units)
(3)	Technology Type	Combustion Turbine
(4)	Anticipated Construction Timing A. Field Construction Start Date ² B. Commercial In-Service Date	2028 January 2030
(5)	Fuel A. Primary Fuel B. Alternate Fuel	Natural Gas N/A
(6)	Air Pollution Control Strategy	Dry-Low NO _x
(7)	Cooling Method	N/A
(8)	Total Site Area	Undetermined
(9)	Construction Status	Proposed
(10)	Certification Status	Undetermined
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2028) Average Net Operating Heat Rate (In-Service Year ANOHR)	2% 2% 96% 0.64% 8,117 Btu/kWh
(13)	Projected Unit Financial Data Book Life (Years) Total Installed Cost ¹ (In-Service Year \$/kW) Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) Escalation (\$/kW) Fixed O&M (In-Service Year \$/kW – Yr) Variable O&M (In-Service Year \$/MWh) K-Factor	30 1,505 1,279 77.00 149.49 33.74 2.77 1.34

¹ Total installed cost includes transmission interconnection

² Construction schedule includes engineering design and permitting

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Schedule 9 (Page 17 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Future Solar 7	
(2)	Net Capability A. Summer B. Winter	74.5 MW-ac 74.5 MW-ac	
(3)	Technology Type	Single Axis Tracking PV Solar	
(4)	Anticipated Construction Timing A. Field Construction Start Date ³ B. Commercial In-Service Date	2030 January 2031	
(5)	Fuel A. Primary Fuel B. Alternate Fuel	Solar N/A	
(6)	Air Pollution Control Strategy	N/A	
(7)	Cooling Method	N/A	
(8)	Total Site Area	Undetermined	
(9)	Construction Status	Proposed	
(10)	Certification Status	Undetermined	
(11)	Status with Federal Agencies	N/A	
(12)	Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2031) Average Net Operating Heat Rate (In-Service Year ANOHR) Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year \$/kW) Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) Escalation (\$/kW) Fixed O&M (In-Service Year \$/kW – Yr)	N/A N/A 26% (1st Full Yr Operation) N/A 35 1,305 1,177 128.47 - 13.92	
	Variable O&M (In-Service Year \$/MWh) K-Factor	- 0.84	
¹w∕o l	¹ w/o Land		

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

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TAMPA ELECTRIC COMPANY DOCKET NO. 20240014-EG STAFF'S THIRD SET OF INTERROGATORIES INTERROGATORY NO. 46 PAGE 18 OF 19 JUNE 13, 2024

Schedule 9 (Page 18 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Battery Storage 2
(2)	Net Capability A. Summer B. Winter	40 MW 40 MW
(3)	Technology Type	Battery
(4)	Anticipated Construction Timing A. Field Construction Start Date ² B. Commercial In-Service Date	2030 January 2031
(5)	Fuel A. Primary Fuel B. Alternate Fuel	N/A N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	Undetermined
(9)	Construction Status	Proposed
(10)	Certification Status	Undetermined
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2029) Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A N/A N/A N/A
(13)	Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year \$/kW) Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) Escalation (\$/kW) Fixed O&M (In-Service Year \$/kW – Yr) Variable O&M (In-Service Year \$/MWh) K-Factor	10 1,931 1,770 161.55 - 7.03 - 0.93

¹ w/o Land

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

Tampa Electric Company Ten-Year Site Plan 2023

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Schedule 9 (Page 19 of 19) Status Report and Specifications of Proposed Generating Facilities

(1)	Plant Name and Unit Number	Battery Storage 3
(2)	Net Capability A. Summer B. Winter	40 MW 40 MW
(3)	Technology Type	Battery
(4)	Anticipated Construction Timing A. Field Construction Start Date ² B. Commercial In-Service Date	2031 January 2032
(5)	Fuel A. Primary Fuel B. Alternate Fuel	N/A N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	Undetermined
(9)	Construction Status	Proposed
(10)	Certification Status	Undetermined
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2031) Average Net Operating Heat Rate (In-Service Year ANOHR)	N/A N/A N/A N/A
(13)	Projected Unit Financial Data Book Life (Years) Total Installed Cost ^{1,2} (In-Service Year \$/kW) Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) Escalation (\$/kW) Fixed O&M (In-Service Year \$/kW – Yr) Variable O&M (In-Service Year \$/MWh) K-Factor	10 1,931 1,770 161.55 - 7.17 - 0.93

¹ w/o Land

² Total installed cost includes transmission interconnection

³ Construction schedule includes engineering design and permitting

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