



TAMPA ELECTRIC

April 28, 2000

Michael Haff
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0868

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Dear Mr. Haff:

Enclosed are the revised pages from Tampa Electric's 2000 Ten Year Site Plan. These pages of Schedule 9 are numbered IV-9 through IV-16. These revised pages include projected unit financial data that was omitted in our original submittal. Also, per your request, enclosed are Tampa Electric system's expanded circuit drawings. If the enclosed copies of these drawings are not sufficient, please contact me at (813) 228-4587.

If any additional information is required, please let me know.

Sincerely,

William A. Smotherman
Manager, Resource Planning

- AFA _____
- APP _____
- CAF _____
- CMU _____
- CTR _____
- EAG _____
- LEG _____
- MAS _____
- OPC _____
- PRR _____
- SEC I
- WAW _____
- OTH _____

DOCUMENT NUMBER-DATE

05328 MAY-18

(813) 228-4111

TAMPA ELECTRIC COMPANY
P. O. BOX 111 TAMPA, FL 33601-0111

FPSC-RECORDS/REPORTING

CUSTOMER SERVICE:

HILLSBOROUGH COUNTY (813) 223-0800
OUTSIDE HILLSBOROUGH COUNTY 1 (888) 223-0800

AN EQUAL OPPORTUNITY COMPANY
HTTP://WWW.TECCENERGY.COM

SCHEDULE 9

**TABLE IV-4
(Page 1 of 8)**

**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
UTILITY: TAMPA ELECTRIC COMPANY**

(1)	PLANT NAME AND UNIT NUMBER	POLK UNIT 2
(2)	CAPACITY	
	A. SUMMER	155
	B. WINTER	180
(3)	TECHNOLOGY TYPE	COMBUSTION TURBINE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	A. FIELD CONSTRUCTION START-DATE	NOV 1999
	B. COMMERCIAL IN-SERVICE DATE	SEPT 2000
(5)	FUEL	
	A. PRIMARY FUEL	NATURAL GAS
	B. ALTERNATE FUEL	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY	DRY LOW NO _x BURNER
(7)	COOLING METHOD	N/A
(8)	TOTAL SITE AREA ²	APPROXIMATELY 4,347 ACRES
(9)	CONSTRUCTION STATUS	UNDER CONSTRUCTION
(10)	CERTIFICATION STATUS	CERTIFIED
(11)	STATUS WITH FEDERAL AGENCIES	Construction Permits Obtained
(12)	PROJECTED UNIT PERFORMANCE DATA	
	PLANNED OUTAGE FACTOR (POF)	1.9
	FORCED OUTAGE RATE (FOR)	3.4
	EQUIVALENT AVAILABILITY FACTOR (EAF)	94
	RESULTING CAPACITY FACTOR (2001)	12%
	AVERAGE NET OPERATING HEAT RATE (ANOHR) ¹	10,580 Btu/kWh
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS)	30
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW)	301.44
	DIRECT CONSTRUCTION COST (\$/kW)	292.59
	AFUDC AMOUNT (\$/kW)	6.15
	ESCALATION (\$/kW)	2.69
	FIXED O&M (2001 \$/kW-YR)	2.13
	VARIABLE O&M (2001 \$/MWh)	2.86
	K-FACTOR ¹	1.565

¹ BASED ON IN-SERVICE YEAR.

² REPRESENTS TOTAL POLK SITE.

SCHEDULE 9

**TABLE IV-4
(Page 2 of 8)**

**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
UTILITY: TAMPA ELECTRIC COMPANY**

(1)	PLANT NAME AND UNIT NUMBER	POLK UNIT 3
(2)	CAPACITY	
	A. SUMMER	155
	B. WINTER	180
(3)	TECHNOLOGY TYPE	COMBUSTION TURBINE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	A. FIELD CONSTRUCTION START DATE	OCT 2001
	B. COMMERCIAL IN-SERVICE DATE	MAY 2002
(5)	FUEL	
	A. PRIMARY FUEL	NATURAL GAS
	B. ALTERNATE FUEL	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY	DRY LOW NO _x BURNER
(7)	COOLING METHOD	N/A
(8)	TOTAL SITE AREA ²	APPROXIMATELY 4,347 ACRES
(9)	CONSTRUCTION STATUS	UNDER CONSTRUCTION
(10)	CERTIFICATION STATUS	CERTIFIED
(11)	STATUS WITH FEDERAL AGENCIES	Construction Permits Obtained
(12)	PROJECTED UNIT PERFORMANCE DATA	
	PLANNED OUTAGE FACTOR (POF)	1.9
	FORCED OUTAGE RATE (FOR)	3.4
	EQUIVALENT AVAILABILITY FACTOR (EAF)	94
	RESULTING CAPACITY FACTOR (2003)	8%
	AVERAGE NET OPERATING HEAT RATE (ANOHR) ¹	10,580 Btu/kWh
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS)	30
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW)	314.51
	DIRECT CONSTRUCTION COST (\$/kW)	292.59
	AFUDC AMOUNT (\$/kW)	6.42
	ESCALATION (\$/kW)	15.50
	FIXED O&M (2001 \$/kW-YR)	2.23
	VARIABLE O&M (2001 \$/MWh)	2.99
	K-FACTOR ¹	1.347

¹ BASED ON IN-SERVICE YEAR.

² REPRESENTS TOTAL POLK SITE.

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**TABLE IV-4
(Page 3 of 8)**

**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
UTILITY: TAMPA ELECTRIC COMPANY**

(1)	PLANT NAME AND UNIT NUMBER	BAYSIDE UNIT 1
(2)	CAPACITY	
	A. SUMMER	698
	B. WINTER	796
(3)	TECHNOLOGY TYPE	COMBINED CYCLE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	A. FIELD CONSTRUCTION START DATE	OCT 2001
	B. COMMERCIAL IN-SERVICE DATE	MAY 2003
(5)	FUEL	
	A. PRIMARY FUEL	NATURAL GAS
	B. ALTERNATE FUEL	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY	ENGINEERING IN-PROGRESS
(7)	COOLING METHOD	ENGINEERING IN-PROGRESS
(8)	TOTAL SITE AREA ²	APPROXIMATELY 213 ACRES
(9)	CONSTRUCTION STATUS	ENGINEERING IN-PROGRESS
(10)	CERTIFICATION STATUS	N/A
(11)	STATUS WITH FEDERAL AGENCIES	Permit Application in-progress
(12)	PROJECTED UNIT PERFORMANCE DATA	
	PLANNED OUTAGE FACTOR (POF)	3.9
	FORCED OUTAGE RATE (FOR)	5
	EQUIVALENT AVAILABILITY FACTOR (EAF)	91
	RESULTING CAPACITY FACTOR (2004)	55%
	AVERAGE NET OPERATING HEAT RATE (ANOHR) ¹	7,080 Btu/kWh
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS)	30
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW)	391.43
	DIRECT CONSTRUCTION COST (\$/kW)	341.54
	AFUDC AMOUNT (\$/kW)	31.64
	ESCALATION (\$/kW)	18.24
	FIXED O&M (2001 \$/kW-YR)	6.44
	VARIABLE O&M (2001 \$/MWh)	0.62
	K-FACTOR ¹	1.366

¹ BASED ON IN-SERVICE YEAR.

² REPRESENTS TOTAL GANNON OR BAYSIDE SITE.

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**TABLE IV-4
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**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
UTILITY: TAMPA ELECTRIC COMPANY**

(1)	PLANT NAME AND UNIT NUMBER	BAYSIDE UNIT 2
(2)	CAPACITY	
	A. SUMMER	711
	B. WINTER	802
(3)	TECHNOLOGY TYPE	COMBINED CYCLE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	A. FIELD CONSTRUCTION START DATE	AUG 2002
	B. COMMERCIAL IN-SERVICE DATE	MAY 2004
(5)	FUEL	
	A. PRIMARY FUEL	NATURAL GAS
	B. ALTERNATE FUEL	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY	ENGINEERING IN-PROGRESS
(7)	COOLING METHOD	ENGINEERING IN-PROGRESS
(8)	TOTAL SITE AREA ²	APPROXIMATELY 213 ACRES
(9)	CONSTRUCTION STATUS	ENGINEERING IN-PROGRESS
(10)	CERTIFICATION STATUS	N/A
(11)	STATUS WITH FEDERAL AGENCIES	Permit Application in-progress
(12)	PROJECTED UNIT PERFORMANCE DATA	
	PLANNED OUTAGE FACTOR (POF)	3.9
	FORCED OUTAGE RATE (FOR)	5
	EQUIVALENT AVAILABILITY FACTOR (EAF)	91
	RESULTING CAPACITY FACTOR (2005)	40%
	AVERAGE NET OPERATING HEAT RATE (ANOHR) ¹	7,050 Btu/kWh
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS)	30
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW)	420.27
	DIRECT CONSTRUCTION COST (\$/kW)	349.40
	AFUDC AMOUNT (\$/kW)	48.52
	ESCALATION (\$/kW)	22.35
	FIXED O&M (2001 \$/kW-YR)	6.54
	VARIABLE O&M (2001 \$/MWh)	0.63
	K-FACTOR ¹	1.303

¹ BASED ON IN-SERVICE YEAR.

² REPRESENTS TOTAL GANNON OR BAYSIDE SITE.

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**TABLE IV-4
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**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
UTILITY: TAMPA ELECTRIC COMPANY**

(1)	PLANT NAME AND UNIT NUMBER	POLK UNIT 4
(2)	CAPACITY	
	A. SUMMER	155
	B. WINTER	180
(3)	TECHNOLOGY TYPE	COMBUSTION TURBINE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	A. FIELD CONSTRUCTION START DATE	JAN 2003
	B. COMMERCIAL IN-SERVICE DATE	JAN 2005
(5)	FUEL	
	A. PRIMARY FUEL	NATURAL GAS
	B. ALTERNATE FUEL	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY	UNDETERMINED
(7)	COOLING METHOD	UNDETERMINED
(8)	TOTAL SITE AREA ²	APPROXIMATELY 4,347 ACRES
(9)	CONSTRUCTION STATUS	PROPOSED
(10)	CERTIFICATION STATUS	CERTIFIED
(11)	STATUS WITH FEDERAL AGENCIES	N/A
(12)	PROJECTED UNIT PERFORMANCE DATA	
	PLANNED OUTAGE FACTOR (POF)	1.9
	FORCED OUTAGE RATE (FOR)	3.4
	EQUIVALENT AVAILABILITY FACTOR (EAF)	94
	RESULTING CAPACITY FACTOR (2005)	7%
	AVERAGE NET OPERATING HEAT RATE (ANOHR) ¹	10,580 Btu/kWh
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS)	30
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW)	348.26
	DIRECT CONSTRUCTION COST (\$/kW)	292.59
	AFUDC AMOUNT (\$/kW)	26.46
	ESCALATION (\$/kW)	29.21
	FIXED O&M (2001 \$/kW-YR)	2.34
	VARIABLE O&M (2001 \$/MWh)	3.20
	K-FACTOR ¹	1.120

¹ BASED ON IN-SERVICE YEAR.

² REPRESENTS TOTAL POLK SITE.

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**TABLE IV-4
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**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
UTILITY: TAMPA ELECTRIC COMPANY**

(1)	PLANT NAME AND UNIT NUMBER	POLK UNIT 5
(2)	CAPACITY	
	A. SUMMER	155
	B. WINTER	180
(3)	TECHNOLOGY TYPE	COMBUSTION TURBINE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	A. FIELD CONSTRUCTION START-DATE	JAN 2004
	B. COMMERCIAL IN-SERVICE DATE	JAN 2006
(5)	FUEL	
	A. PRIMARY FUEL	NATURAL GAS
	B. ALTERNATE FUEL	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY	UNDETERMINED
(7)	COOLING METHOD	UNDETERMINED
(8)	TOTAL SITE AREA ²	APPROXIMATELY 4,347 ACRES
(9)	CONSTRUCTION STATUS	PROPOSED
(10)	CERTIFICATION STATUS	CERTIFIED
(11)	STATUS WITH FEDERAL AGENCIES	N/A
(12)	PROJECTED UNIT PERFORMANCE DATA	
	PLANNED OUTAGE FACTOR (POF)	1.9
	FORCED OUTAGE RATE (FOR)	3.4
	EQUIVALENT AVAILABILITY FACTOR (EAF)	94
	RESULTING CAPACITY FACTOR (2006)	6%
	AVERAGE NET OPERATING HEAT RATE (ANOHR) ¹	10,580 Btu/kWh
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS)	30
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW)	355.92
	DIRECT CONSTRUCTION COST (\$/kW)	292.59
	AFUDC AMOUNT (\$/kW)	27.04
	ESCALATION (\$/kW)	36.29
	FIXED O&M (2001 \$/kW-YR)	2.39
	VARIABLE O&M (2001 \$/MWh)	3.28
	K-FACTOR ¹	1.028

¹ BASED ON IN-SERVICE YEAR.

² REPRESENTS TOTAL POLK SITE.

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**TABLE IV-4
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**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
UTILITY: TAMPA ELECTRIC COMPANY**

(1)	PLANT NAME AND UNIT NUMBER	POLK UNIT 6
(2)	CAPACITY	
	A. SUMMER	155
	B. WINTER	180
(3)	TECHNOLOGY TYPE	COMBUSTION TURBINE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	A. FIELD CONSTRUCTION START DATE	JAN 2006
	B. COMMERCIAL IN-SERVICE DATE	JAN 2008
(5)	FUEL	
	A. PRIMARY FUEL	NATURAL GAS
	B. ALTERNATE FUEL	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY	UNDETERMINED
(7)	COOLING METHOD	UNDETERMINED
(8)	TOTAL SITE AREA ²	APPROXIMATELY 4,347 ACRES
(9)	CONSTRUCTION STATUS	PROPOSED
(10)	CERTIFICATION STATUS	CERTIFIED
(11)	STATUS WITH FEDERAL AGENCIES	N/A
(12)	PROJECTED UNIT PERFORMANCE DATA	
	PLANNED OUTAGE FACTOR (POF)	1.9
	FORCED OUTAGE RATE (FOR)	3.4
	EQUIVALENT AVAILABILITY FACTOR (EAF)	94
	RESULTING CAPACITY FACTOR (2008)	6%
	AVERAGE NET OPERATING HEAT RATE (ANOHR) ¹	10,580 Btu/kWh
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS)	30
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW)	371.76
	DIRECT CONSTRUCTION COST (\$/kW)	292.59
	AFUDC AMOUNT (\$/kW)	28.24
	ESCALATION (\$/kW)	50.92
	FIXED O&M (2001 \$/kW-YR)	2.50
	VARIABLE O&M (2001 \$/MWh)	3.43
	K-FACTOR ¹	0.866

¹ BASED ON IN-SERVICE YEAR.

² REPRESENTS TOTAL POLK SITE.

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**TABLE IV-4
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**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
UTILITY: TAMPA ELECTRIC COMPANY**

(1)	PLANT NAME AND UNIT NUMBER	FUTURE SITE UNIT 1
(2)	CAPACITY	
	A. SUMMER	155
	B. WINTER	180
(3)	TECHNOLOGY TYPE	COMBUSTION TURBINE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	A. FIELD CONSTRUCTION START DATE	JAN 2007
	B. COMMERCIAL IN-SERVICE DATE	JAN 2009
(5)	FUEL	
	A. PRIMARY FUEL	NATURAL GAS
	B. ALTERNATE FUEL	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY	UNDETERMINED
(7)	COOLING METHOD	UNDETERMINED
(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)	1.9
	FORCED OUTAGE RATE (FOR)	3.4
	EQUIVALENT AVAILABILITY FACTOR (EAF)	94
	RESULTING CAPACITY FACTOR (2009)	7%
	AVERAGE NET OPERATING HEAT RATE (ANOHR) ¹	10,580 Btu/kWh
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS)	30
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW)	488.14
	DIRECT CONSTRUCTION COST (\$/kW)	375.93
	AFUDC AMOUNT (\$/kW)	37.08
	ESCALATION (\$/kW)	75.13
	FIXED O&M (2001 \$/kW-YR)	2.56
	VARIABLE O&M (2001 \$/MWh)	3.51
	K-FACTOR ¹	0.796

¹ BASED ON IN-SERVICE YEAR.

² INCLUDES \$15 MILLION ESTIMATE FOR NEW SITE.