



**Florida Power**  
CORPORATION

DIVISION OF  
ADMINISTRATION  
2000 MAY 10 PM 4:12  
FLORIDA  
COMMISSION

**ORIGINAL**

**JAMES A. MCGEE**  
SENIOR COUNSEL

May 8, 2000

Ms. Blanca S. Bayó, Director  
Division of Records and Reporting  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

Dear Ms. Bayó:

Enclosed for filing are an original and twenty-five copies of supplemental information to Schedule 9 of Florida Power Corporation's Ten-Year Site Plan previously filed on April 3, 2000.

Please acknowledge your receipt of the above filing on the enclosed copy of this letter and return to the undersigned. Thank you for your assistance in this matter.

Very truly yours,

James A. McGee

JAM/kbd  
Enclosure

cc: Mr. Michael Haff

- AFA \_\_\_\_\_
- APP \_\_\_\_\_
- CAF \_\_\_\_\_
- CMW \_\_\_\_\_
- CTR \_\_\_\_\_
- EAG \_\_\_\_\_
- LEG \_\_\_\_\_
- MAS \_\_\_\_\_
- OPC \_\_\_\_\_
- RRR \_\_\_\_\_
- SEC \_\_\_\_\_
- WAW \_\_\_\_\_
- OTH \_\_\_\_\_

*Haff/10*

RECEIVED & FILED  
*haff*  
DIVISION OF RECORDS

*DMW 5/15/00*

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DOCUMENT NUMBER-DATE  
**05819 MAY 10 8**  
FPSC-RECORDS/REPORTING

**FLORIDA POWER CORPORATION**

**SCHEDULE 9**

**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES**

(1)	PLANT NAME AND UNIT NUMBER:	INTERCESSION CITY P12 - 14
(2)	CAPACITY	
	a. SUMMER:	240 MW
	b. WINTER:	282 MW
(3)	TECHNOLOGY TYPE:	COMBUSTION TURBINE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	a. FIELD CONSTRUCTION START-DATE:	3/1999
	b. COMMERCIAL IN-SERVICE DATE:	12/2000 (EXPECTED)
(5)	FUEL	
	a. PRIMARY FUEL:	NATURAL GAS
	b. ALTERNATE FUEL:	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY:	DRY LOW NO <sub>x</sub> COMBUSTION (NATURAL GAS) WATER INJECTION (DISTILLATE OIL)
(7)	COOLING METHOD:	AIR
(8)	TOTAL SITE AREA:	165 ACRES
(9)	CONSTRUCTION STATUS:	UNDER CONSTRUCTION
(10)	CERTIFICATION STATUS:	SITE PERMITTED
(11)	STATUS WITH FEDERAL AGENCIES:	SITE PERMITTED
(12)	PROJECTED UNIT PERFORMANCE DATA	
	PLANNED OUTAGE FACTOR (POF):	2.88 %
	FORCED OUTAGE FACTOR (FOF):	3.00 %
	EQUIVALENT AVAILABILITY FACTOR (EAF):	91.00 %
	ASSUMED CAPACITY FACTOR (%):	15.00 %
	AVERAGE NET OPERATING HEAT RATE (ANOHR):	13,272 BTU/KWH
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS):	25
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW):	308.51
	DIRECT CONSTRUCTION COST (\$/kW):	281.21
	AFUDC AMOUNT (\$/kW):	27.30
	ESCALATION (\$/kW):	0.00
	FIXED O & M (\$/kW-Yr):	1.40
	VARIABLE O & M (\$/MWH):	4.35
	K FACTOR:	NO CALCULATION

**FLORIDA POWER CORPORATION**

**SCHEDULE 9**

**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES**

(1)	PLANT NAME AND UNIT NUMBER:	HINES ENERGY COMPLEX UNIT #2
(2)	CAPACITY	
	a. SUMMER:	495 MW
	b. WINTER:	567 MW
(3)	TECHNOLOGY TYPE:	COMBINED CYCLE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	a. FIELD CONSTRUCTION START-DATE:	8/2000
	b. COMMERCIAL IN-SERVICE DATE:	11/2003 (EXPECTED)
(5)	FUEL	
	a. PRIMARY FUEL:	NATURAL GAS
	b. ALTERNATE FUEL:	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY:	DRY LOW NO <sub>x</sub> COMBUSTION with SELECTIVE CATALYTIC REDUCTION
(7)	COOLING METHOD:	COOLING PONDS
(8)	TOTAL SITE AREA:	8,200 ACRES
(9)	CONSTRUCTION STATUS:	PLANNED
(10)	CERTIFICATION STATUS:	SITE PERMITTED
(11)	STATUS WITH FEDERAL AGENCIES:	SITE PERMITTED
(12)	PROJECTED UNIT PERFORMANCE DATA	
	PLANNED OUTAGE FACTOR (POF):	4.41 %
	FORCED OUTAGE FACTOR (FOF):	3.70 %
	EQUIVALENT AVAILABILITY FACTOR (EAF):	91.00 %
	ASSUMED CAPACITY FACTOR (%):	70.00 %
	AVERAGE NET OPERATING HEAT RATE (ANOHR):	7,306 BTU/KWH
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS):	25
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW):	345.95
	DIRECT CONSTRUCTION COST (\$/kW):	292.00
	AFUDC AMOUNT (\$/kW):	37.88
	ESCALATION (\$/kW):	16.07
	FIXED O & M (\$/kW-Yr):	2.50
	VARIABLE O & M (\$/MWH):	2.10
	K FACTOR:	NO CALCULATION

**FLORIDA POWER CORPORATION**

**SCHEDULE 9**

**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES**

(1)	PLANT NAME AND UNIT NUMBER:	HINES ENERGY COMPLEX UNIT #3
(2)	CAPACITY	
	a. SUMMER:	495 MW
	b. WINTER:	567 MW
(3)	TECHNOLOGY TYPE:	COMBINED CYCLE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	a. FIELD CONSTRUCTION START-DATE:	8/2002
	b. COMMERCIAL IN-SERVICE DATE:	11/2005 (EXPECTED)
(5)	FUEL	
	a. PRIMARY FUEL:	NATURAL GAS
	b. ALTERNATE FUEL:	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY:	DRY LOW NO <sub>x</sub> COMBUSTION with SELECTIVE CATALYTIC REDUCTION
(7)	COOLING METHOD:	COOLING PONDS
(8)	TOTAL SITE AREA:	8,200 ACRES
(9)	CONSTRUCTION STATUS:	PLANNED
(10)	CERTIFICATION STATUS:	SITE PERMITTED
(11)	STATUS WITH FEDERAL AGENCIES:	SITE PERMITTED
(12)	PROJECTED UNIT PERFORMANCE DATA	
	PLANNED OUTAGE FACTOR (POF):	4.41 %
	FORCED OUTAGE FACTOR (FOF):	3.70 %
	EQUIVALENT AVAILABILITY FACTOR (EAF):	91.00 %
	ASSUMED CAPACITY FACTOR (%):	70.00 %
	AVERAGE NET OPERATING HEAT RATE (ANOHR):	7,306 BTU/KWH
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS):	25
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW):	408.61
	DIRECT CONSTRUCTION COST (\$/kW):	329.00
	AFUDC AMOUNT (\$/kW):	44.74
	ESCALATION (\$/kW):	34.87
	FIXED O & M (\$/kW-Yr):	2.50
	VARIABLE O & M (\$/MWH):	2.10
	K FACTOR:	NO CALCULATION

**FLORIDA POWER CORPORATION**

**SCHEDULE 9**

**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES**

(1)	PLANT NAME AND UNIT NUMBER:	HINES ENERGY COMPLEX UNIT #4
(2)	CAPACITY	
	a. SUMMER:	495 MW
	b. WINTER:	567 MW
(3)	TECHNOLOGY TYPE:	COMBINED CYCLE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	a. FIELD CONSTRUCTION START-DATE:	8/2004
	b. COMMERCIAL IN-SERVICE DATE:	11/2007 (EXPECTED)
(5)	FUEL	
	a. PRIMARY FUEL:	NATURAL GAS
	b. ALTERNATE FUEL:	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY:	DRY LOW NO <sub>x</sub> COMBUSTION with SELECTIVE CATALYTIC REDUCTION
(7)	COOLING METHOD:	COOLING PONDS
(8)	TOTAL SITE AREA:	8,200 ACRES
(9)	CONSTRUCTION STATUS:	PLANNED
(10)	CERTIFICATION STATUS:	SITE PERMITTED
(11)	STATUS WITH FEDERAL AGENCIES:	SITE PERMITTED
(12)	PROJECTED UNIT PERFORMANCE DATA	
	PLANNED OUTAGE FACTOR (POF):	4.41 %
	FORCED OUTAGE FACTOR (FOF):	3.70 %
	EQUIVALENT AVAILABILITY FACTOR (EAF):	91.00 %
	ASSUMED CAPACITY FACTOR (%):	70.00 %
	AVERAGE NET OPERATING HEAT RATE (ANOHR):	7,306 BTU/KWH
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS):	25
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW):	429.30
	DIRECT CONSTRUCTION COST (\$/kW):	329.00
	AFUDC AMOUNT (\$/kW):	47.00
	ESCALATION (\$/kW):	53.30
	FIXED O & M (\$/kW-Yr):	2.50
	VARIABLE O & M (\$/MWH):	2.10
	K FACTOR:	NO CALCULATION

**FLORIDA POWER CORPORATION**

**SCHEDULE 9**

**STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES**

(1)	PLANT NAME AND UNIT NUMBER:	HINES ENERGY COMPLEX UNIT #5
(2)	CAPACITY	
	a. SUMMER:	495 MW
	b. WINTER:	567 MW
(3)	TECHNOLOGY TYPE:	COMBINED CYCLE
(4)	ANTICIPATED CONSTRUCTION TIMING	
	a. FIELD CONSTRUCTION START-DATE:	8/2006
	b. COMMERCIAL IN-SERVICE DATE:	11/2009 (EXPECTED)
(5)	FUEL	
	a. PRIMARY FUEL:	NATURAL GAS
	b. ALTERNATE FUEL:	DISTILLATE OIL
(6)	AIR POLLUTION CONTROL STRATEGY:	DRY LOW NO <sub>x</sub> COMBUSTION with SELECTIVE CATALYTIC REDUCTION
(7)	COOLING METHOD:	COOLING PONDS
(8)	TOTAL SITE AREA:	8,200 ACRES
(9)	CONSTRUCTION STATUS:	PLANNED
(10)	CERTIFICATION STATUS:	SITE PERMITTED
(11)	STATUS WITH FEDERAL AGENCIES:	SITE PERMITTED
(12)	PROJECTED UNIT PERFORMANCE DATA	
	PLANNED OUTAGE FACTOR (POF):	4.41 %
	FORCED OUTAGE FACTOR (FOF):	3.70 %
	EQUIVALENT AVAILABILITY FACTOR (EAF):	91.00 %
	ASSUMED CAPACITY FACTOR (%):	70.00 %
	AVERAGE NET OPERATING HEAT RATE (ANOHR):	7,306 BTU/KWH
(13)	PROJECTED UNIT FINANCIAL DATA	
	BOOK LIFE (YEARS):	25
	TOTAL INSTALLED COST (IN-SERVICE YEAR \$/kW):	451.03
	DIRECT CONSTRUCTION COST (\$/kW):	329.00
	AFUDC AMOUNT (\$/kW):	49.38
	ESCALATION (\$/kW):	72.65
	FIXED O & M (\$/kW-Yr):	2.50
	VARIABLE O & M (\$/MWH):	2.10
	K FACTOR:	NO CALCULATION