



JAMES A. MCGEE  
ASSOCIATE GENERAL COUNSEL  
PROGRESS ENERGY SERVICE COMPANY, LLC

May 20, 2003

Ms. Blanca S. Bayó, Director  
Division of the Commission Clerk  
and Administrative Services  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

Re: Revised Ten-Year Site Plan Pages.

Dear Ms. Bayó:

Michael Haff of the Commission's staff recently brought to our attention that Item 13 on Schedule 9 of our Ten-Year Site Plan, pages 3-8 through 3-15, was incomplete. Accordingly, I have enclosed for filing on behalf of Progress Energy Florida, Inc. an original and fifteen copies of revised pages 3-8 through 3-15, as well as an additional ten copies for the other agencies and organizations on your distribution list. I have also enclose a diskette containing the revised pages in PDF format. A copy of the PDF file has been provided to Mr. Haff via email.

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,

A handwritten signature in black ink that reads 'James A. McGee'.

James A. McGee

JAM/scc  
Enclosures

cc: Mr. Michael Haff

DOCUMENT NUMBER-DATE  
04558 MAY 21 03  
FPSC-COMMISSION CLERK

**PROGRESS ENERGY FLORIDA**

SCHEDULE 9  
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2003

- |      |  |  |
|------|--|--|
| (1)  | Plant Name and Unit Number:                      | HINES ENERGY COMPLEX UNIT #2   |
| (2)  | Capacity   |  |
|      | a. Summer:                                       | 516  |
|      | b. Winter:                                       | 582  |
| (3)  | Technology Type:                                 | COMBINED CYCLE   |
| (4)  | Anticipated Construction Timing                  |  |
|      | a. Field construction start date:                | 3/2002   |
|      | b. Commercial in-service date:                   | 12/2003 (EXPECTED)   |
| (5)  | Fuel   |  |
|      | a. Primary fuel:                                 | NATURAL GAS  |
|      | b. Alternate fuel:                               | DISTILLATE FUEL OIL  |
| (6)  | Air Pollution Control Strategy:                  | DRY LOW NO <sub>x</sub> COMBUSTION<br>with SELECTIVE CATALYTIC REDUCTION |
| (7)  | Cooling Method:                                  | COOLING PONDS  |
| (8)  | Total Site Area:                                 | 8,200 ACRES  |
| (9)  | Construction Status:                             | UNDER CONSTRUCTION,<br>MORE THAN 50% COMPLETE                            |
| (10) | Certification Status:                            | SITE PERMITTED   |
| (11) | Status with Federal Agencies:                    | SITE PERMITTED   |
| (12) | Projected Unit Performance Data                  |  |
|      | a. Planned Outage Factor (POF):                  | 5.80 %   |
|      | b. Forced Outage Factor (FOF):                   | 3.00 %   |
|      | c. Equivalent Availability Factor (EAF):         | 91.40 %  |
|      | d. Resulting Capacity Factor (%):                | 50.00 %  |
|      | e. Average Net Operating Heat Rate (ANOHR):      | 7,023 BTU/kWh  |
| (13) | Projected Unit Financial Data                    |  |
|      | a. Book Life (Years):                            | 25   |
|      | b. Total Installed Cost (In-service year \$/kW): | 412.6  |
|      | c. Direct Construction Cost (\$/kW):             | 379.0  |
|      | d. AFUDC Amount (\$/kW):                         | 33.6   |
|      | e. Escalation (\$/kW):                           | 0.0  |
|      | f. Fixed O&M (\$/kW-yr):                         | 1.29   |
|      | g. Variable O&M (\$/mWh):                        | 2.05   |
|      | h. K Factor:                                     | NO CALCULATION   |

**PROGRESS ENERGY FLORIDA**

**SCHEDULE 9  
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES**

AS OF JANUARY 1, 2003

(1)	Plant Name and Unit Number:	PEAKER 1
(2)	Capacity	
	a. Summer:	147
	b. Winter:	182
(3)	Technology Type:	COMBUSTION TURBINE
(4)	Anticipated Construction Timing	
	a. Field construction start date:	12/2003
	b. Commercial in-service date:	12/2004 (EXPECTED)
(5)	Fuel	
	a. Primary fuel:	NATURAL GAS
	b. Alternate fuel:	DISTILLATE FUEL OIL
(6)	Air Pollution Control Strategy:	DRY LOW NO <sub>x</sub> COMBUSTION (NATURAL GAS) WATER INJECTION (DISTILLATE FUEL OIL)
(7)	Cooling Method:	AIR
(8)	Total Site Area:	UNKNOWN      ACRES
(9)	Construction Status:	PLANNED
(10)	Certification Status:	PLANNED
(11)	Status with Federal Agencies:	PLANNED
(12)	Projected Unit Performance Data	
	a. Planned Outage Factor (POF):	6.90 %
	b. Forced Outage Factor (FOF):	4.70 %
	c. Equivalent Availability Factor (EAF):	88.70 %
	d. Resulting Capacity Factor (%):	15.00 %
	e. Average Net Operating Heat Rate (ANOHR):	11,525 BTU/kWh
(13)	Projected Unit Financial Data	
	a. Book Life (Years):	25
	b. Total Installed Cost (In-service year \$/kW):	370.1
	c. Direct Construction Cost (\$/kW):	331.4
	d. AFUDC Amount (\$/kW):	21.9
	e. Escalation (\$/kW):	16.8
	f. Fixed O&M (\$/kW-yr):	2.47
	g. Variable O&M (\$/mWh):	11.09
	h. K Factor:	NO CALCULATION

**PROGRESS ENERGY FLORIDA**

**SCHEDULE 9  
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES**

AS OF JANUARY 1, 2003

- |      |  |  |
|------|--|--|
| (1)  | Plant Name and Unit Number:                      | HINES ENERGY COMPLEX UNIT #3   |
| (2)  | Capacity   |  |
|      | a. Summer:                                       | 516  |
|      | b. Winter:                                       | 582  |
| (3)  | Technology Type:                                 | COMBINED CYCLE   |
| (4)  | Anticipated Construction Timing                  |  |
|      | a. Field construction start date:                | 9/2003   |
|      | b. Commercial in-service date:                   | 12/2005 (EXPECTED)   |
| (5)  | Fuel   |  |
|      | a. Primary fuel:                                 | NATURAL GAS  |
|      | b. Alternate fuel:                               | DISTILLATE FUEL OIL  |
| (6)  | Air Pollution Control Strategy:                  | DRY LOW NO <sub>x</sub> COMBUSTION<br>with SELECTIVE CATALYTIC REDUCTION |
| (7)  | Cooling Method:                                  | COOLING PONDS  |
| (8)  | Total Site Area:                                 | 8,200 ACRES  |
| (9)  | Construction Status:                             | REGULATORY APPROVAL RECEIVED   |
| (10) | Certification Status:                            | SITE PERMITTED   |
| (11) | Status with Federal Agencies:                    | SITE PERMITTED   |
| (12) | Projected Unit Performance Data                  |  |
|      | a. Planned Outage Factor (POF):                  | 5.80 %   |
|      | b. Forced Outage Factor (FOF):                   | 3.00 %   |
|      | c. Equivalent Availability Factor (EAF):         | 91.40 %  |
|      | d. Resulting Capacity Factor (%):                | 50.00 %  |
|      | e. Average Net Operating Heat Rate (ANOHR):      | 7,023 BTU/kWh  |
| (13) | Projected Unit Financial Data                    |  |
|      | a. Book Life (Years):                            | 25   |
|      | b. Total Installed Cost (In-service year \$/kW): | 435.6  |
|      | c. Direct Construction Cost (\$/kW):             | 389.2  |
|      | d. AFUDC Amount (\$/kW):                         | 46.4   |
|      | e. Escalation (\$/kW):                           | 0.0  |
|      | f. Fixed O&M (\$/kW-yr):                         | 1.29   |
|      | g. Variable O&M (\$/mWh):                        | 2.05   |
|      | h. K Factor:                                     | NO CALCULATION   |

PROGRESS ENERGY FLORIDA

SCHEDULE 9  
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2003

(1)	Plant Name and Unit Number:	PEAKER 2	
(2)	Capacity		
	a. Summer:	147	
	b. Winter:	182	
(3)	Technology Type:	COMBUSTION TURBINE	
(4)	Anticipated Construction Timing		
	a. Field construction start date:	12/2005	
	b. Commercial in-service date:	12/2006 (EXPECTED)	
(5)	Fuel		
	a. Primary fuel:	NATURAL GAS	
	b. Alternate fuel:	DISTILLATE FUEL OIL	
(6)	Air Pollution Control Strategy:	DRY LOW NO <sub>x</sub> COMBUSTION (NATURAL GAS) WATER INJECTION (DISTILLATE FUEL OIL)	
(7)	Cooling Method:	AIR	
(8)	Total Site Area:	UNKNOWN	ACRES
(9)	Construction Status:	PLANNED	
(10)	Certification Status:	PLANNED	
(11)	Status with Federal Agencies:	PLANNED	
(12)	Projected Unit Performance Data		
	a. Planned Outage Factor (POF):	6.90 %	
	b. Forced Outage Factor (FOF):	4.70 %	
	c. Equivalent Availability Factor (EAF):	88.70 %	
	d. Resulting Capacity Factor (%):	15.00 %	
	e. Average Net Operating Heat Rate (ANOHR):	11,525 BTU/kWh	
(13)	Projected Unit Financial Data		
	a. Book Life (Years):	25	
	b. Total Installed Cost (In-service year \$/kW):	388.8	
	c. Direct Construction Cost (\$/kW):	331.4	
	d. AFUDC Amount (\$/kW):	23.0	
	e. Escalation (\$/kW):	34.4	
	f. Fixed O&M (\$/kW-yr):	2.47	
	g. Variable O&M (\$/mWh):	11.09	
	h. K Factor:	NO CALCULATION	

PROGRESS ENERGY FLORIDA

SCHEDULE 9  
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES

AS OF JANUARY 1, 2003

(1)	Plant Name and Unit Number:	PEAKER 3	
(2)	Capacity		
	a. Summer:	147	
	b. Winter:	182	
(3)	Technology Type:	COMBUSTION TURBINE	
(4)	Anticipated Construction Timing		
	a. Field construction start date:	12/2005	
	b. Commercial in-service date:	12/2006 (EXPECTED)	
(5)	Fuel		
	a. Primary fuel:	NATURAL GAS	
	b. Alternate fuel:	DISTILLATE FUEL OIL	
(6)	Air Pollution Control Strategy:	DRY LOW NO <sub>x</sub> COMBUSTION (NATURAL GAS) WATER INJECTION (DISTILLATE FUEL OIL)	
(7)	Cooling Method:	AIR	
(8)	Total Site Area:	UNKNOWN	ACRES
(9)	Construction Status:	PLANNED	
(10)	Certification Status:	PLANNED	
(11)	Status with Federal Agencies:	PLANNED	
(12)	Projected Unit Performance Data		
	a. Planned Outage Factor (POF):	6.90 %	
	b. Forced Outage Factor (FOF):	4.70 %	
	c. Equivalent Availability Factor (EAF):	88.70 %	
	d. Resulting Capacity Factor (%):	15.00 %	
	e. Average Net Operating Heat Rate (ANOHR):	11,525 BTU/kWh	
(13)	Projected Unit Financial Data		
	a. Book Life (Years):	25	
	b. Total Installed Cost (In-service year \$/kW):	388.8	
	c. Direct Construction Cost (\$/kW):	331.4	
	d. AFUDC Amount (\$/kW):	23.0	
	e. Escalation (\$/kW):	34.4	
	f. Fixed O&M (\$/kW-yr):	2.47	
	g. Variable O&M (\$/mWh):	11.09	
	h. K Factor:	NO CALCULATION	

**PROGRESS ENERGY FLORIDA**

**SCHEDULE 9  
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES**

AS OF JANUARY 1, 2003

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|------|--|--|
| (1)  | Plant Name and Unit Number:                      | HINES ENERGY COMPLEX UNIT #4   |
| (2)  | Capacity   |  |
|      | a. Summer:                                       | 436  |
|      | b. Winter:                                       | 540  |
| (3)  | Technology Type:                                 | COMBINED CYCLE   |
| (4)  | Anticipated Construction Timing                  |  |
|      | a. Field construction start date:                | 9/2005   |
|      | b. Commercial in-service date:                   | 12/2007 (EXPECTED)   |
| (5)  | Fuel   |  |
|      | a. Primary fuel:                                 | NATURAL GAS  |
|      | b. Alternate fuel:                               | DISTILLATE FUEL OIL  |
| (6)  | Air Pollution Control Strategy:                  | DRY LOW NO <sub>x</sub> COMBUSTION<br>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                  |  |
|      | a. Planned Outage Factor (POF):                  | 6.90 %   |
|      | b. Forced Outage Factor (FOF):                   | 6.70 %   |
|      | c. Equivalent Availability Factor (EAF):         | 86.90 %  |
|      | d. Resulting Capacity Factor (%):                | 50.00 %  |
|      | e. Average Net Operating Heat Rate (ANOHR):      | 7,046 BTU/kWh  |
| (13) | Projected Unit Financial Data                    |  |
|      | a. Book Life (Years):                            | 25   |
|      | b. Total Installed Cost (In-service year \$/kW): | 509.9  |
|      | c. Direct Construction Cost (\$/kW):             | 405.2  |
|      | d. AFUDC Amount (\$/kW):                         | 51.4   |
|      | e. Escalation (\$/kW):                           | 53.3   |
|      | f. Fixed O&M (\$/kW-yr):                         | 3.31   |
|      | g. Variable O&M (\$/mWh):                        | 2.34   |
|      | h. K Factor:                                     | NO CALCULATION   |

**PROGRESS ENERGY FLORIDA**

**SCHEDULE 9  
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES**

AS OF JANUARY 1, 2003

(1)	Plant Name and Unit Number:	HINES ENERGY COMPLEX UNIT #5
(2)	Capacity	
	a. Summer:	436
	b. Winter:	540
(3)	Technology Type:	COMBINED CYCLE
(4)	Anticipated Construction Timing	
	a. Field construction start date:	9/2007
	b. Commercial in-service date:	12/2009 (EXPECTED)
(5)	Fuel	
	a. Primary fuel:	NATURAL GAS
	b. Alternate fuel:	DISTILLATE FUEL 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	
	a. Planned Outage Factor (POF):	6.90 %
	b. Forced Outage Factor (FOF):	6.70 %
	c. Equivalent Availability Factor (EAF):	86.90 %
	d. Resulting Capacity Factor (%):	50.00 %
	e. Average Net Operating Heat Rate (ANOHR):	7,046 BTU/kWh
(13)	Projected Unit Financial Data	
	a. Book Life (Years):	25
	b. Total Installed Cost (In-service year \$/kW):	535.7
	c. Direct Construction Cost (\$/kW):	405.2
	d. AFUDC Amount (\$/kW):	54.0
	e. Escalation (\$/kW):	76.5
	f. Fixed O&M (\$/kW-yr):	3.31
	g. Variable O&M (\$/mWh):	2.34
	h. K Factor:	NO CALCULATION



**PROGRESS ENERGY FLORIDA**

**SCHEDULE 9  
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES**

AS OF JANUARY 1, 2003

- |      |  |  |
|------|--|--|
| (1)  | Plant Name and Unit Number:                      | HINES ENERGY COMPLEX UNIT #6   |
| (2)  | Capacity   |  |
|      | a. Summer:                                       | 436  |
|      | b. Winter:                                       | 540  |
| (3)  | Technology Type:                                 | COMBINED CYCLE   |
| (4)  | Anticipated Construction Timing                  |  |
|      | a. Field construction start date:                | 9/2009   |
|      | b. Commercial in-service date:                   | 12/2011 (EXPECTED)   |
| (5)  | Fuel   |  |
|      | a. Primary fuel:                                 | NATURAL GAS  |
|      | b. Alternate fuel:                               | DISTILLATE FUEL OIL  |
| (6)  | Air Pollution Control Strategy:                  | DRY LOW NO <sub>x</sub> COMBUSTION<br>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                  |  |
|      | a. Planned Outage Factor (POF):                  | 6.90 %   |
|      | b. Forced Outage Factor (FOF):                   | 6.70 %   |
|      | c. Equivalent Availability Factor (EAF):         | 86.90 %  |
|      | d. Resulting Capacity Factor (%):                | 50.00 %  |
|      | e. Average Net Operating Heat Rate (ANOHR):      | 7,046 BTU/kWh  |
| (13) | Projected Unit Financial Data                    |  |
|      | a. Book Life (Years):                            | 25   |
|      | b. Total Installed Cost (In-service year \$/kW): | 562.8  |
|      | c. Direct Construction Cost (\$/kW):             | 405.2  |
|      | d. AFUDC Amount (\$/kW):                         | 56.8   |
|      | e. Escalation (\$/kW):                           | 100.8  |
|      | f. Fixed O&M (\$/kW-yr):                         | 3.31   |
|      | g. Variable O&M (\$/mWh):                        | 2.34   |
|      | h. K Factor:                                     | NO CALCULATION   |