STATE OF FLORIDA

DIVISION OF RECORDS & REPORTING
BLANCA S. BAYÓ
DIRECTOR
(850) 413-6770

Public Service Commission

ACKNOWLEDGMENT

DATE: 10/12/00

TO: Susan [illegible] Tom Ellis

FROM: [illegible], Division of Records and Reporting

RE: Acknowledgment of Receipt of Confidential Filing

12899-00

This will acknowledge receipt of a CONFIDENTIAL DOCUMENT filed in Docket No. 001064-EI **or (if filed in an undocketed matter) concerning** [illegible], **and filed on behalf of** FPC. **The document will be maintained in locked storage.**

Any questions regarding this matter should be directed to Kay Flynn at (850) 413-6744.

PSC/RAR 19 (8/00)

STATE OF FLORIDA

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BLANCA S. BAYÓ
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Public Service Commission

** C-O-R-R-E-C-T-E-D M-E-M-O-R-A-N-D-U-M

DATE: October 11, 2000

TO:
_____ DIVISION OF APPEALS
_____ DIVISION OF COMPETITIVE SERVICES
** _____ DIVISION OF ECONOMIC REGULATION
_____ DIVISION OF LEGAL SERVICES
_____ DIVISION OF POLICY ANALYSIS & INTERAGENCY LIAISON
_____ DIVISION OF REGULATORY OVERSIGHT
** xx DIVISION OF SAFETY & ELECTRIC RELIABILITY

FROM: DIVISION OF RECORDS AND REPORTING (Lockard)

RE: CONFIDENTIALITY OF CERTAIN INFORMATION

DOCUMENT NO: 12899-00 (See DNs 09534-00 & 09535-00)

DESCRIPTION: Response to staff's 1st set of interrogatories to Florida Power Corporation, Nos. 1-38

SOURCE: Florida Power Corporation
DOCKET NO: ** 001064-EI

The above material was received with a request for confidentiality (attached). Please prepare a recommendation for the attorney assigned to the case by completing the section below and forwarding a copy of this memorandum, together with a brief memorandum supporting your recommendation, to the attorney. Copies of your recommendation should also be provided to the Division of Records and Reporting and to the Division of Appeals.

Please read each of the following and check if applicable.

_____ The document(s) is (are), in fact, what the utility asserts it (them) to be.

_____ The utility has provided enough details to perform a reasoned analysis of its request.

_____ The material has been received incident to an inquiry.

STATE OF FLORIDA

DIVISION OF RECORDS & REPORTING
BLANCA S. BAYÓ
DIRECTOR
(850) 413-6770

Public Service Commission

M-E-M-O-R-A-N-D-U-M

DATE: October 10, 2000

TO:
_____ DIVISION OF APPEALS
_____ DIVISION OF COMPETITIVE SERVICES
xx DIVISION OF ECONOMIC REGULATION
_____ DIVISION OF LEGAL SERVICES
_____ DIVISION OF POLICY ANALYSIS & INTERAGENCY LIAISON
_____ DIVISION OF REGULATORY OVERSIGHT
_____ DIVISION OF SAFETY & ELECTRIC RELIABILITY

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RE: CONFIDENTIALITY OF CERTAIN INFORMATION

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DESCRIPTION: Response to staff's 1st set of interrogatories to Florida Power Corporation, Nos. 1-38

SOURCE: Florida Power Corporation
DOCKET NO: ~~000061-EI~~ 001064-EI

The above material was received with a request for confidentiality (attached). Please prepare a recommendation for the attorney assigned to the case by completing the section below and forwarding a copy of this memorandum, together with a brief memorandum supporting your recommendation, to the attorney. Copies of your recommendation should also be provided to the Division of Records and Reporting and to the Division of Appeals.

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_____ The utility has provided enough details to perform a reasoned analysis of its request.

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ORIGINAL

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for Determination of Need of Hines 2 Power Plant	)	DOCKET NO. 001064-EI
	)	Submitted for filing: October 10, 2000

DECLASSIFIED 4.24.02

FLORIDA POWER CORPORATION'S RESPONSE TO STAFF'S FIRST SET OF INTERROGATORIES TO FLORIDA POWER CORPORATION (NOS. 1 - 38)

Florida Power Corporation ("FPC" or the "Company"), pursuant to Florida Rule of Civil Procedure 1.340 and the Commission's Order Establishing Procedure issued August 30, 2000, respectfully files with the Florida Public Service Commission ("PSC" or the "Commission"), its response to Staff's First Set of Interrogatories subject to both its general and specific objections filed with the Commission on September 18, 2000.

INTERROGATORIES

1. **Refer to page 13 of the testimony of John Crisp. What is the amount of imputed debt used by Standard and Poor's in its evaluation of FPC's financial condition and credit rating? Please include the period for this imputed debt.**

Answer:

Without waiving its objections filed separately on September 18, 2000, FPC states that Standard and Poor's estimate of Florida Power Corporation's off-balance sheet (imputed) debt is $781.2 million as of 12/31/1999. Florida Power believes Standard and Poor's has calculated this value using some erroneous assumptions and has adjusted the off-balance sheet obligation downward to $462.4 million. Discussions with the rating agency indicate that they will revise their estimate downward in future credit reports.

Florida Power maintains that the above information is not relevant to its analysis of the need for Hines 2 or to the comparison of Hines 2 with the bids received during its Request for Proposal. Imputed debt for existing contracts were not used in the analysis, therefore the results of the

analysis would be the same regardless of the existing level of imputed debt. The calculation of imputed debt for purchase power alternatives was made in order to maintain the existing capital structure for all alternatives so as to allow a fair and unbiased comparison.

2. Refer to page 13 of the testimony of John Crisp. What is the amount of imputed debt used by Moody's in its evaluation of FPC's financial condition and credit rating?

Please include the period for this imputed debt.

Answer:

Without waiving its objections filed separately on September 18, 2000, Moody's Investors Service considers off-balance sheet obligations in its credit analysis but does not publish its estimate of this obligation.

3. What is FPC's estimate of its Standard & Poor's total off balance sheet obligation?

Please include a schedule showing the calculation of this estimate as of June 30, 2000 and include any schedule similar in format to Attachment 1.

Answer:

Without waiving its objections separately filed on September 18, 2000, Florida Power states that it has no off-balance sheet obligations other than imputed debt related to its purchase power contracts, therefore its total off-balance sheet obligations are the same as its imputed debt. Please refer to FPC's response to Interrogatory 1 for a discussion of imputed debt. Florida Power is unable to prepare an attachment similar to Staff's Attachment 1 because information on this schedule, in particular the risk factors for specific contracts, is proprietary information belonging to Standard and Poor's which Florida Power is not at liberty to release.

4. What is FPC's estimate of the off balance sheet obligation that would have resulted if Bidder A had been selected? Please include a schedule showing the calculation and state all assumptions.

Answer:

FPC's estimate of the initial off-balance sheet obligation that would have resulted if Bidder A had been selected is $34,990,512. This value represents the present value of the annual capacity payments over the life of the contract multiplied by the risk factor and would be added to the off-balance sheet obligations from existing contracts each year. The calculation is based on the following assumptions:

Length of contract:	2 years
Annual capacity payments:	$50,403,000
Discount rate:	10%
Risk factor:	40%

The off-balance sheet obligation is reduced each year as the remaining length of the contract decreases.

Interrogatory No. 4
Off-Balance Sheet Obligation for Bidder A

Year	Capacity Payment	NPV at 10%	Risk Factor	Off-Balance Sheet Obligation
1	50,403,000	$87,476,281	40%	$34,990,512
2	50,403,000	$45,820,909	40%	$18,328,364

5. What is FPC's estimate of the off balance sheet obligation that would have resulted if Bidder B had been selected? Please include a schedule showing the calculation and state all assumptions.

Answer:

FPC's estimate of the initial off-balance sheet obligation that would have resulted if Bidder B had been selected is $519,727,258. This value represents the present value of the annual capacity payments over the life of the contract multiplied by the risk factor and would be added to the off-balance sheet obligations from existing contracts each year. The calculation is based on the following assumptions:

Length of contract:	25 years
Annual capacity payments:	$122,493,600 escalating 2% annually
Discount rate:	10%
Risk factor:	40%

The off-balance sheet obligation changes each year as payment increase and the remaining term of the contract decreases.

Interrogatory No. 5
Off-Balance Sheet Obligation Bidder B

Year	Capacity Payment	NPV at 10%	Risk Factor	Off-Balance Sheet Obligation
1	122,493,600	$1,299,318,144	40%	$519,727,258
2	124,943,472	$1,306,756,359	40%	$522,702,543
3	127,442,341	$1,312,488,522	40%	$524,995,409
4	129,991,188	$1,316,295,033	40%	$526,518,013
5	132,591,012	$1,317,933,348	40%	$527,173,339
6	135,242,832	$1,317,135,671	40%	$526,854,268
7	137,947,689	$1,313,606,406	40%	$525,442,562
8	140,706,643	$1,307,019,358	40%	$522,807,743
9	143,520,776	$1,297,014,651	40%	$518,805,860
10	146,391,191	$1,283,195,340	40%	$513,278,136
11	149,319,015	$1,265,123,683	40%	$506,049,473
12	152,305,395	$1,242,317,037	40%	$496,926,815
13	155,351,503	$1,214,243,345	40%	$485,697,338
14	158,458,533	$1,180,316,176	40%	$472,126,471
15	161,627,704	$1,139,889,261	40%	$455,955,704
16	164,860,258	$1,092,250,483	40%	$436,900,193
17	168,157,463	$1,036,615,274	40%	$414,646,109
18	171,520,612	$972,119,338	40%	$388,847,735
19	174,951,025	$897,810,659	40%	$359,124,264
20	178,450,045	$812,640,701	40%	$325,056,280
21	182,019,046	$715,454,726	40%	$286,181,890
22	185,659,427	$604,981,152	40%	$241,992,461
23	189,372,615	$479,819,841	40%	$191,927,936
24	193,160,068	$338,429,210	40%	$135,371,684
25	197,023,269	$179,112,063	40%	$71,644,825

6. What is FPC's common equity ratio adjusted for Standard & Poor's off balance sheet obligations as of June 30, 2000? As part of the answer to this interrogatory please show the capital structure and calculation.

Answer:

Without waiving its objections filed separately on September 18, 2000, FPC's common equity ratio adjusted for Standard and Poor's off balance sheet obligation as of June, 2000 is 42.91%. Details of the calculation are shown in the attachment hereto. This information has previously been submitted to the FPSC in FPC's surveillance report for the month of June, 2000. (Schedule 4, page 3 of 4).

FLORIDA POWER CORPORATION
AVERAGE CAPITAL STRUCTURE
FPSC ADJUSTED BASIS
JUNE 2000

	SYSTEM PER BOOKS	SPECIFIC ADJUSTMENTS	ADJUSTED SYSTEM PER BOOKS	PRO RATA ADJUSTMENTS	FPSC ADJUSTED RETAIL	RATIO	LOW POINT COST RATE	LOW POINT WEIGHTED COST	MID POINT COST RATE	MID POINT WEIGHTED COST	HIGH POINT COST RATE	HIGH POINT WEIGHTED COST
COMMON EQUITY	$ 1,914,227,648	$87,444,135	$2,001,671,783	182,543,215	$1,819,128,568	52.01% ***	11.00%	5.72%	12.00%	6.24%	13.00%	6.76%
PREFERRED STOCK	33,496,700	0	33,496,700	3,055,181	30,441,519	0.87%	4.51%	0.04%	4.51%	0.04%	4.51%	0.04%
LONG TERM DEBT												
FIXED RATE	1,357,679,325	(320,606,945)	1,037,072,380	94,589,723	942,482,657	26.94%	7.27%	1.96%	7.27%	1.96%	7.27%	1.96%
VARIABLE RATE *	177,653,846	(109,193,839)	68,460,007	6,244,128	62,215,879	1.78%	5.92%	0.11%	5.92%	0.11%	5.92%	0.11%
SHORT TERM DEBT *	71,262,385	(5,732,834)	65,529,551	5,976,846	59,552,705	1.70%	6.21%	0.11%	6.21%	0.11%	6.21%	0.11%
REVENUE DECOUPLING	286,021		286,021	26,088	259,933	0.01%	5.83%	0.00%	5.83%	0.00%	5.83%	0.00%
CUSTOMER DEPOSITS												
ACTIVE	102,678,206		102,678,206	0	102,678,206	2.93%	6.20%	0.18%	6.20%	0.18%	6.20%	0.18%
INACTIVE	442,891		442,891	0	442,891	0.01%	0	0	0.00%	0	0	0
INVESTMENT TAX CREDIT												
POST '70 TOTAL	69,442,123		69,442,123	6,333,706								
-EQUITY **					40,894,255	1.17%	10.89%	0.13%	11.87%	0.14%	12.86%	0.15%
-DEBT **					22,214,162	0.63%	7.19%	0.05%	7.19%	0.05%	7.19%	0.05%
DEFERRED INCOME TAXES	451,815,692	9,824,412	461,640,104	42,105,460	419,534,644	11.99%	0	0	0.00%	0	0	0
FAS 109 LIABILITY-NET	(22,710,077)	(5,223,846)	(27,933,923)	(2,547,809)	(25,386,114)	-0.73%		0	0.00%	0	0	0
DEFERRED EARNINGS	24,260,029	0	24,260,029	0	24,260,029	0.69%	5.77%	0.04%	5.77%	0.04%	5.77%	0.04%
TOTAL	$4,180,534,789	($343,488,917)	$3,837,045,872	$338,326,538	$3,498,719,334	100.00%		8.34%		8.87%		9.40%

* DAILY WEIGHTED AVERAGE
** COST RATES CALCULATED PER IRS RULING
*** EQUITY RATIO INCLUDING DEBT ASSOCIATED WITH QUALIFYING FACILITIES CONTRACTS (Based on FPSC Capital Structure) 42.91%

Interrogatory No. 6

Florida Power Corporation
Average Capital Structure
FPSC Adjusted Basis
June-00

		FPSC Adjusted Retail with Off-Balance Sheet Debt	Ratio
Common Equity	$	1,819,128,568	42.90%
Preferred Stock		30,441,519	0.72%
Long-term Debt		1,746,467,587	41.19%
Short-term Debt		59,552,705	1.40%
Revenue Decoupling		259,933	0.01%
Customer Deposits		103,121,097	2.43%
Investment Tax Credit		63,108,417	1.49%
Deferred Income Taxes		419,534,644	9.89%
FAS 109 Liability-Net		(25,386,114)	-0.60%
Deferred Earnings		24,260,029	0.57%
Total	$	4,240,488,385	100.00%

Purchased Power Debt:

Tiger Bay Regulatory Asset - Retail	$	297,822,811
Off-Balance Sheet Debt per FPC Calculation (Retail Portion)	$	443,946,240
Total Purchased Power Debt	$	741,769,051

7. Refer to page 21 of exhibit JBC-1, the Need Study. What is the rationale for the 8.53% discount rate?

Answer:

The 8.53% discount rate is the incremental, after-tax cost of capital for FPC. Use of the after-tax cost of capital to analyze the present value of competing alternatives has been the accepted practice by the Commission and Florida investor-owned utilities. The debt component represents FPC's estimated interest rate (7%) for newly issued long-term debt issued during the construction of the proposed Hines 2 unit. The cost of equity (12%) is based on the company's currently allowed ROE midpoint. The capital structure of 55% equity and 45% debt represents the Company's long-term capital structure target.

8. Refer to page 21 of exhibit JBC-1, the Need Study. Why are deferred taxes, investment tax credits, and customer deposits excluded from the capital structure?

Answer:

Customer deposits and investment tax credits are part of the existing, embedded capital structure. It is inappropriate to include customer deposits and investment tax credits in the cost of capital for new facilities because the construction of new facilities does not change these amounts. Deferred taxes are not included in the capital structure, but are used in the calculation of revenue requirements for new facilities. In the calculation of revenue requirements for Hines 2, the accumulated deferred taxes generated by that facility are subtracted from the rate base for Hines 2, thereby reducing revenue requirements to reflect the cost-free nature of deferred taxes.

9. Refer to page 21 of exhibit JBC-1, the Need Study. How is the 2.5% cost of capital escalation rate used in the Need Study?

Answer:

2.5% was the escalation rate used for the construction of new facilities. In the case of Hines 2, cases in which the in-service date of the unit was deferred used this rate to calculate its escalated in-service cost. This escalator was also used to calculate the cost of capital additions during the unit's life.

10. Refer to page 21 of exhibit JBC-1, the Need Study. What is the rationale and basis for using a 3.0% inflation rate?

Answer:

The 3% inflation rate is Florida Power's estimate of the average Consumer Price Index (CPI) during the study period. FPC used DRI's long-term forecast as a resource to establish this value. The CPI was used in the analysis to escalate operating and maintenance costs (excluding fuel) for Hines 2.

11. Refer to exhibit RDN-1 to Robert D. Niekum's direct testimony. In tabular form, provide the high, base, and low case delivered price forecasts for coal, residual oil, distillate oil, and natural gas for years 2001 to 2020.

Answer:

Attached.

11. Refer to exhibit RDN-1 to Robert D. Niekum's direct testimony. In tabular form, provide the high, base, and low case delivered price forecasts for coal, residual oil, distillate oil, and natural gas for years 2001 through 2020.

Base Fuel Price Forecast

Year	Wellhead - Natural Gas	Citygate - Natural Gas	Coal	Residual Oil	Distillate Oil
2001	2.59	3.04	1.83	2.76	5.07
2002	2.63	3.13	1.83	2.78	5.12
2003	2.71	3.21	1.85	2.81	5.17
2004	2.80	3.30	1.87	2.84	5.22
2005	2.88	3.38	1.85	2.87	5.28
2006	2.94	3.45	1.87	2.90	5.33
2007	3.01	3.52	1.89	2.93	5.38
2008	3.07	3.58	1.93	2.96	5.44
2009	3.14	3.65	1.96	2.99	5.49
2010	3.17	3.69	1.98	3.02	5.55
2011	3.20	3.72	2.00	3.05	5.60
2012	3.24	3.76	2.02	3.08	5.66
2013	3.27	3.80	2.04	3.11	5.71
2014	3.30	3.84	2.06	3.14	5.77
2015	3.33	3.87	2.08	3.17	5.83
2016	3.37	3.91	2.10	3.20	5.89
2017	3.40	3.95	2.12	3.23	5.95
2018	3.43	3.99	2.14	3.27	6.00
2019	3.47	4.03	2.17	3.30	6.06
2020	3.50	4.07	2.19	3.33	6.13

High Fuel Price Forecast

Year	Wellhead - Natural Gas	Citygate - Natural Gas	Coal	Residual Oil	Distillate Oil
2001	3.00	3.45	1.85	2.80	4.85
2002	3.00	3.50	1.86	2.80	4.85
2003	3.10	3.60	1.88	2.80	4.95
2004	3.20	3.70	1.90	2.85	5.00
2005	3.30	3.80	1.87	2.90	5.15
2006	3.30	3.81	1.89	3.10	5.40
2007	3.30	3.81	1.92	3.15	5.50
2008	3.30	3.81	1.95	3.25	5.60
2009	3.30	3.81	1.97	3.35	5.85
2010	3.33	3.85	1.99	3.42	5.97
2011	3.37	3.89	2.01	3.49	6.09
2012	3.40	3.93	2.03	3.56	6.21
2013	3.43	3.96	2.05	3.63	6.33
2014	3.47	4.00	2.07	3.70	6.46
2015	3.50	4.04	2.09	3.77	6.59
2016	3.54	4.08	2.11	3.85	6.72
2017	3.57	4.13	2.13	3.93	6.85
2018	3.61	4.17	2.15	4.00	6.99
2019	3.65	4.21	2.18	4.08	7.13
2020	3.68	4.25	2.20	4.17	7.27

Low Fuel Price Forecast

Year	Wellhead - Natural Gas	Citygate - Natural Gas	Coal	Residual Oil	Distillate Oil
2001	2.20	2.65	1.80	2.15	4.00
2002	2.20	2.70	1.80	2.35	4.40
2003	2.20	2.70	1.82	2.35	4.40
2004	2.20	2.70	1.84	2.35	4.40
2005	2.20	2.70	1.80	2.35	4.40
2006	2.20	2.71	1.83	2.35	4.40
2007	2.20	2.71	1.86	2.35	4.40
2008	2.20	2.71	1.89	2.35	4.40
2009	2.20	2.71	1.92	2.35	4.40
2010	2.21	2.72	1.93	2.36	4.42
2011	2.22	2.74	1.94	2.37	4.44
2012	2.23	2.75	1.95	2.39	4.47
2013	2.24	2.76	1.96	2.40	4.49
2014	2.26	2.78	1.97	2.41	4.51
2015	2.27	2.79	1.98	2.42	4.53
2016	2.28	2.81	1.99	2.43	4.56
2017	2.29	2.82	2.00	2.45	4.58
2018	2.30	2.83	2.01	2.46	4.60
2019	2.31	2.85	2.02	2.47	4.63
2020	2.32	2.86	2.03	2.48	4.65

12. Refer to pages 34-35 of exhibit JBC-1, the Need Study. Provide the delivered price for each fuel associated with the screening evaluation of generation alternatives for each year in the evaluation period.

Answer:

Attached.

12. Refer to pages 34-35 of exhibit JBC-1, the Need Study. Provide the delivered price for each fuel associated with the screening evaluation of generation alternatives for each year in the evaluation period.

FLORIDA POWER CORPORATION

NOMINAL, DELIVERED COAL PRICES

BASE CASE

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	LOW SULFUR COAL (<1.0%)				MEDIUM SULFUR COAL (1.0 - 2.0%)				HIGH SULFUR COAL (>2.0%)			
YEAR	$/TON	¢/MBTU	ESCALATION %	% SPOT PURCHASE	$/TON	¢/MBTU	ESCALATION %	% SPOT PURCHASE	$/TON	¢/MBTU	ESCALATION %	% SPOT PURCHASE
					1/	1/		4/				
1997		DATA			47.25	189.00		0.00		DATA		
1998		NOT			47.00	188.00	-0.53	0.00		NOT		
1999		AVAILABLE			46.25	185.00	-1.60	0.00		AVAILABLE		
	2/	2/		4/	3/	3/		4/				
2000	48.75	195.00		0.00	40.75	163.00		0.00				
2001	48.25	193.00	-1.03	0.00	41.25	165.00	1.23	0.00				
2002	48.00	192.00	-0.52	0.00	41.75	167.00	1.21	0.00				
2003	48.50	194.00	1.04	0.00	42.25	169.00	1.20	0.00				
2004	49.00	196.00	1.03	0.00	42.75	171.00	1.18	0.00		NOT		
2005	47.75	191.00	-2.55	0.00	43.25	173.00	1.17	0.00		APPLICABLE		
2006	48.25	193.00	1.05	0.00	44.25	177.00	2.31	0.00				
2007	48.75	195.00	1.04	0.00	44.75	179.00	1.13	0.00				
2008	49.75	199.00	2.05	0.00	45.50	182.00	1.68	0.00				
2009	50.50	202.00	1.51	0.00	46.00	184.00	1.10	0.00				

HEAT CONTENT <1.0% LOW SULFUR COAL = 25.00 MBTU/TON
HEAT CONTENT 1.0 - 2.0% MED. SULFUR COAL = 25.00 MBTU/TON
HEAT CONTENT >2.0% HIGH SULFUR COAL = N/A MBTU/TON

ASH CONTENT <1.0% LOW SULFUR COAL = 8.36 PERCENT
ASH CONTENT 1.0 - 2.0% MED. SULFUR COAL = 8.89 PERCENT
ASH CONTENT >2.0% HIGH SULFUR COAL = N/A PERCENT

NOTES: 1/ TOTAL COAL - $/TON ARE APPROXIMATE - AS BURNED DATA
2/ LIMITED TO 1.2 lb SO2/MBTU
3/ LIMITED TO 2.1 lb SO2/MBTU
4/ 100% CONTRACT

FLORIDA POWER CORPORATION

NOMINAL, DELIVERED DISTILLATE OIL and NATURAL GAS PRICES

BASE CASE

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	DISTILLATE OIL			NATURAL GAS		
			ESCALATION			ESCALATION
YEAR	$/BBL	c/MBTU	%	c/MBTU	c/THERM	%
	1 /	1 /				
1997	27.55	475.00		287.00	28.70	
1998	21.52	371.00	-21.89	291.00	29.10	1.39
1999	22.04	380.00	2.43	299.00	29.90	2.75
	2 /	2 /		3 /	3 /	
2000	29.12	502.00		261.00	26.10	
2001	27.61	476.00	-5.18	259.00	25.90	-0.77
2002	27.49	474.00	-0.42	263.00	26.30	1.54
2003	27.67	477.00	0.63	271.00	27.10	3.04
2004	27.90	481.00	0.84	280.00	28.00	3.32
2005	28.36	489.00	1.66	288.00	28.80	2.86
2006	28.94	499.00	2.04	294.00	29.40	2.08
2007	29.58	510.00	2.20	301.00	30.10	2.38
2008	30.22	521.00	2.16	307.00	30.70	1.99
2009	30.80	531.00	1.92	314.00	31.40	2.28

HEAT CONTENT DISTILLATE OIL = 5.80 MBTU/BBL

ASH CONTENT DISTILLATE OIL = 0.00 PERCENT

NOTES: 1 / AS BURNED DATA - APPROXIMATE
2 / WITHOUT INLAND FREIGHT - 0.5% SULFUR
3 / SUPPLY COST ONLY

13. Refer to pages 33-35 of exhibit JBC-1, the Need Study. Provide a present worth revenue requirements (PWRR) analysis for each of the expansion plans in which the following alternatives were included: 1) Combined Cycle - HEC #2; 2) Integrated Gasification Combined Cycle; 3) Pulverized Coal Plant; and 4) Fluidized Bed Coal Plant. For each year in the evaluation period, provide the annual and cumulative PWRR for each of the following components: capital, fixed operations and maintenance (O&M), non-fuel variable O&M, fuel, purchased power, and total costs.

The present worth revenue requirements ("PWRR") for the 1) Combined Cycle – HEC #2 ; 2) Integrated Gasification Combined Cycle (IGCC) ; 3) Pulverized Coal (PC) Plant; and 4) Fluidized Bed (FB) Coal Plant are attached. The components of the "PWRR" are typical report runs available from the "PROSCREEN" model and provide a general breakdown of the annual and cumulative totals. The IGCC (output run #PS12P634), PC Plant (output run #PS12P286), and FB Plant (output run #PS12P334) totals that are attached were based on the most attractive (highest ranking) run for that technology alternative.

PS000012P634 * IGCC

CAPITAL EXPENDITURE AND RECOVERY MODULE
SYSTEM REVENUE REQUIREMENTS

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW UNIT CAPITAL REVENUE REQUIREMENT	NEW UNIT FUEL AND O&M REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF NEW UNIT REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REV. REQ.
2000	605100.	460139.	33940.	0.	1099178.	33940.	1099178.	1099178.
2001	650428.	466474.	33777.	0.	1150679.	31123.	1060241.	2159419.
2002	618939.	473069.	36167.	0.	1128175.	30705.	957804.	3117223.
2003	680026.	483351.	33022.	0.	1196399.	25832.	935894.	4053117.
2004	609674.	498668.	65875.	71065.	1245282.	98703.	897570.	4950688.
2005	660767.	508753.	63460.	75668.	1308648.	92399.	869108.	5819796.
2006	604807.	521791.	102370.	145159.	1374128.	151471.	840869.	6660665.
2007	652178.	537799.	98441.	161053.	1449470.	146311.	817261.	7477926.
2008	613050.	546596.	138003.	220186.	1517834.	186086.	788544.	8266470.
2009	668429.	498690.	132692.	258086.	1557897.	187060.	745745.	9012215.
2010	665363.	386090.	301790.	343005.	1696248.	284396.	748155.	9760370.
2011	724607.	348092.	288977.	372063.	1733739.	268646.	704589.	10464959.
2012	719222.	360899.	278328.	360555.	1719003.	239234.	643693.	11108652.
2013	745605.	374357.	268044.	380148.	1768154.	223643.	610060.	11718712.
2014	736816.	389465.	258066.	379303.	1763649.	202625.	560680.	12279392.
2015	761364.	405379.	248363.	390035.	1805140.	187001.	528766.	12808158.
2016	751670.	423294.	238879.	388228.	1802071.	169256.	486379.	13294537.
2017	776727.	439701.	229591.	400246.	1846265.	156633.	459142.	13753679.
2018	767040.	458198.	220338.	399438.	1845015.	142017.	422769.	14176448.
2019	792287.	477692.	211088.	410796.	1891864.	131300.	399433.	14575881.
2020	782145.	499583.	201841.	408983.	1892553.	118829.	368173.	14944054.
2021	808232.	519764.	192597.	421702.	1942295.	110112.	348152.	15292206.
2022	797709.	542459.	183356.	420941.	1944466.	99806.	321148.	15613354.
2023	824193.	566383.	174119.	432975.	1997670.	92387.	304003.	15917357.
2024	813554.	593198.	165115.	431145.	2003012.	83607.	280859.	16198216.
2025	840953.	618060.	156344.	444633.	2059990.	77645.	266146.	16464362.
2026	830289.	645956.	147848.	443917.	2068009.	70446.	246183.	16710545.
2027	860177.	675368.	139627.	456695.	2131867.	65409.	233838.	16944384.
2028	848956.	708284.	131695.	454868.	2143802.	59282.	216666.	17161050.
2029	877558.	738952.	116564.	469173.	2202248.	54545.	205079.	17366130.
2030	866291.	773300.	110801.	468524.	2218916.	49708.	190391.	17556522.
2031	895387.	809524.	97374.	482088.	2284372.	45812.	180602.	17737124.
2032	883764.	849663.	93621.	480420.	2307467.	41817.	168090.	17905214.
2033	913759.	887880.	80580.	495460.	2377679.	38664.	159592.	18064806.
2034	901175.	930237.	77702.	494891.	2404006.	35412.	148676.	18213482.
2035	931739.	974913.	74830.	509307.	2490788.	33287.	141936.	18355418.
2036	919497.	1024424.	71962.	507668.	2523552.	30434.	132501.	18487920.
2037	951145.	1071611.	69099.	523455.	2615311.	28667.	126526.	18614446.
2038	938619.	1123911.	66241.	522982.	2651752.	26266.	118206.	18732652.
2039	970776.	1179086.	63388.	538318.	2751567.	24714.	113015.	18845668.
***** TOTALS IN 2000 DOLLARS *****								
	31260020.	24791052.	5695915.	14163179.	75910152.	4175227.	18845668.	

PS000012P286 • PVC

CAPITAL EXPENDITURE AND RECOVERY MODULE
SYSTEM REVENUE REQUIREMENTS

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW UNIT CAPITAL REVENUE REQUIREMENT	NEW UNIT FUEL AND O&M REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF NEW UNIT REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REV. REQ.
2000	605100.	460139.	33940.	0.	1099178.	33940.	1099178.	1099178.
2001	650428.	466474.	33777.	0.	1150679.	31123.	1060241.	2159419.
2002	618939.	473069.	36167.	0.	1128175.	30705.	957804.	3117223.
2003	680026.	483351.	33022.	0.	1196399.	25832.	935894.	4053117.
2004	609674.	498668.	65875.	71065.	1245282.	98703.	897570.	4950688.
2005	660767.	508753.	63460.	75668.	1308648.	92399.	869108.	5819796.
2006	604807.	521791.	102370.	145159.	1374128.	151471.	840869.	6660665.
2007	652178.	537799.	98441.	161053.	1449470.	146311.	817261.	7477926.
2008	576289.	545995.	259685.	233538.	1615507.	256239.	839287.	8317213.
2009	628052.	497937.	249700.	267982.	1643670.	247807.	786804.	9104016.
2010	703960.	387458.	250486.	304271.	1646175.	244684.	726069.	9830085.
2011	769405.	348726.	239716.	333104.	1690951.	232793.	687200.	10517285.
2012	761341.	361362.	231025.	322074.	1675802.	207112.	627516.	11144801.
2013	791166.	374900.	222621.	340671.	1729358.	194351.	596675.	11741476.
2014	781652.	389996.	214449.	339352.	1725448.	176058.	548535.	12290011.
2015	808273.	405934.	206482.	349275.	1769964.	162794.	518462.	12808473.
2016	797803.	423840.	190559.	347085.	1767287.	147270.	476991.	13285464.
2017	823280.	440264.	190639.	359927.	1814110.	136919.	451146.	13736610.
2018	812801.	458752.	182721.	358620.	1812895.	124044.	415409.	14152019.
2019	839911.	478267.	174807.	369492.	1862477.	114919.	393228.	14545247.
2020	829346.	500149.	166895.	366852.	1863243.	103834.	362471.	14907718.
2021	857130.	520353.	158987.	379197.	1915667.	96468.	343379.	15251097.
2022	846171.	543037.	151081.	377471.	1917760.	87296.	316737.	15567834.
2023	874057.	566979.	143179.	389475.	1973689.	81059.	300354.	15868188.
2024	863016.	593784.	135510.	386731.	1979041.	73228.	277498.	16145686.
2025	892312.	618668.	128167.	399743.	2038890.	68205.	263420.	16409106.
2026	883066.	646554.	121193.	396246.	2047059.	61598.	243689.	16652795.
2027	914125.	675990.	114493.	409583.	2114191.	57484.	231899.	16884694.
2028	902663.	708893.	108906.	406691.	2127153.	52109.	214983.	17099678.
2029	932882.	739584.	96945.	420745.	2190156.	48209.	203953.	17303632.
2030	921377.	773919.	93174.	418955.	2207425.	43943.	189405.	17493038.
2031	951998.	810165.	80563.	432420.	2275145.	40556.	179873.	17672910.
2032	939985.	850292.	77625.	429756.	2297659.	36961.	167375.	17840286.
2033	971634.	888534.	74692.	444610.	2379471.	34856.	159712.	17999998.
2034	958594.	930877.	71764.	442842.	2404078.	31826.	148681.	18148678.
2035	990805.	975578.	66612.	457144.	2490139.	29846.	141899.	18290578.
2036	978050.	1025078.	63901.	454458.	2521487.	27217.	132393.	18422970.
2037	1012630.	1072294.	61195.	468883.	2615002.	25645.	126511.	18549482.
2038	999692.	1124579.	27672.	467194.	2619138.	22060.	116752.	18666234.
2039	1033817.	1179780.	27853.	482221.	2723670.	20950.	111870.	18778104.
***** TOTALS IN 2000 DOLLARS *****								
	32729200.	24808564.	5058351.	12809553.	75405656.	3898819.	18778104.	

PS000012P334 * FLB

CAPITAL EXPENDITURE AND RECOVERY MODULE
SYSTEM REVENUE REQUIREMENTS

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW UNIT CAPITAL REVENUE REQUIREMENT	NEW UNIT FUEL AND O&M REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF NEW UNIT REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REV. REQ.
2000	605100.	460139.	33940.	0.	1099178.	33940.	1099178.	1099178.
2001	650428.	466474.	33777.	0.	1150679.	31123.	1060241.	2159419.
2002	618939.	473069.	36167.	0.	1128175.	30705.	957804.	3117223.
2003	680026.	483351.	33022.	0.	1196399.	25832.	935894.	4053117.
2004	609674.	498668.	65875.	71065.	1245282.	98703.	897570.	4950688.
2005	660767.	508753.	63460.	75668.	1308648.	92399.	869108.	5819796.
2006	604807.	521791.	102370.	145159.	1374128.	151471.	840869.	6660665.
2007	652178.	537799.	98441.	161053.	1449470.	146311.	817261.	7477926.
2008	613050.	546596.	138003.	220186.	1517834.	186086.	788544.	8266470.
2009	668429.	498690.	132692.	258086.	1557897.	187060.	745745.	9012215.
2010	681894.	386158.	244853.	343425.	1656330.	259468.	730548.	9742763.
2011	741028.	348081.	234265.	375999.	1699373.	248010.	690623.	10433386.
2012	734898.	360860.	225748.	363303.	1684809.	220574.	630889.	11064275.
2013	762118.	374312.	217511.	384178.	1738119.	207599.	599697.	11663972.
2014	753138.	389421.	209501.	383173.	1735233.	188417.	551646.	12215618.
2015	780229.	405337.	201694.	394050.	1781310.	174507.	521786.	12737404.
2016	770309.	423252.	194038.	391670.	1779270.	158083.	480225.	13217629.
2017	796021.	439657.	186516.	404546.	1826740.	146990.	454287.	13671916.
2018	785702.	458156.	179018.	403504.	1826381.	133480.	418499.	14090415.
2019	811948.	477646.	171523.	415402.	1876520.	123919.	396193.	14486608.
2020	801557.	499539.	164032.	412954.	1878081.	112245.	365358.	14851966.
2021	828268.	519716.	156543.	426634.	1931162.	104533.	346157.	15198123.
2022	817096.	542412.	149057.	425605.	1934170.	94911.	319447.	15517570.
2023	844688.	566334.	141575.	438258.	1990855.	88238.	302966.	15820536.
2024	833762.	593150.	134326.	435752.	1996990.	79935.	280015.	16100551.
2025	861880.	618010.	127311.	450294.	2057493.	74625.	265824.	16366375.
2026	850498.	645907.	120570.	449286.	2066262.	67838.	245975.	16612350.
2027	881573.	675319.	114104.	462762.	2133759.	63275.	234046.	16846396.
2028	870067.	708236.	107928.	460199.	2146430.	57418.	216931.	17063328.
2029	899410.	738925.	94553.	475682.	2208570.	53102.	205668.	17268996.
2030	887416.	773274.	90165.	474704.	2225559.	48468.	190961.	17459958.
2031	917730.	809496.	77734.	489072.	2294032.	44812.	181366.	17641324.
2032	905771.	849612.	74977.	486648.	2317008.	40912.	168785.	17810110.
2033	936607.	887828.	62932.	502953.	2390320.	37983.	160440.	17970550.
2034	923313.	930183.	61051.	502014.	2416561.	34823.	149453.	18120002.
2035	970571.	974858.	59174.	502647.	2507251.	32015.	142875.	18262876.
2036	960741.	1024370.	57302.	497344.	2539758.	29122.	133352.	18396228.
2037	993657.	1071555.	55435.	514036.	2634683.	27550.	127463.	18523692.
2038	980291.	1123882.	53574.	513008.	2670755.	25256.	119053.	18642746.
2039	1014178.	1179056.	51717.	528908.	2773858.	23848.	113931.	18756678.
***** TOTALS IN 2000 DOLLARS *****								
	31959762.	24789872.	4756473.	14239233.	75745320.	3985587.	18756678.	

14. Refer to pages 33-35 of exhibit JBC-1, the Need Study. Provide a PWRR analysis for the following using FPC's high natural gas price forecast: 1) Combined Cycle - HEC #2; 2) Integrated Gasification Combined Cycle; 3) Pulverized Coal Plant; and 4) Fluidized Bed Coal Plant. For each year in the evaluation period, provide the annual and cumulative PWRR for each of the following components: capital, fixed O&M, non-fuel variable O&M, fuel, purchased power, and total costs.

Answer:

The present worth revenue requirements ("PWRR") for the 1) Combined Cycle – HEC #2 ; 2) Integrated Gasification Combined Cycle (IGCC) ; 3) Pulverized Coal (PC) Plant; and 4) Fluidized Bed (FB) Coal Plant for the high natural gas price forecast are attached. The components of the "PWRR" are typical report runs available from the "PROSCREEN" model and provide a general breakdown of the annual and cumulative totals. The IGCC (output run #PS15P473), PC Plant (output run #15P157), and FB Plant (output run #15P227) totals that are attached were based on the most attractive (highest ranking) run for that technology alternative.

PS000015P157 • PVC

CAPITAL EXPENDITURE AND RECOVERY MODULE
SYSTEM REVENUE REQUIREMENTS

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW UNIT CAPITAL REVENUE REQUIREMENT	NEW UNIT FUEL AND O&M REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF NEW UNIT REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REV. REQ.
2000	620715.	462985.	33940.	0.	1117640.	33940.	1117640.	1117640.
2001	678562.	470801.	33777.	0.	1183140.	31123.	1090150.	2207791.
2002	641490.	477412.	36167.	0.	1155069.	30705.	980637.	3188428.
2003	706615.	488104.	33022.	0.	1227741.	25832.	960412.	4148840.
2004	634974.	500326.	65875.	77612.	1278787.	103422.	921720.	5070560.
2005	691046.	510448.	63460.	82942.	1347897.	97230.	895175.	5965735.
2006	632391.	522748.	102370.	156685.	1414194.	158523.	865387.	6831121.
2007	681690.	537814.	98441.	171473.	1489417.	152186.	839784.	7670905.
2008	598107.	545997.	259685.	236203.	1639992.	257624.	852007.	8522912.
2009	657803.	497951.	249700.	265569.	1671023.	246652.	799897.	9322809.
2010	748246.	387566.	250486.	303256.	1689554.	244236.	745202.	10068011.
2011	815655.	348907.	239716.	345130.	1749407.	237680.	710956.	10778967.
2012	806487.	361532.	231025.	334687.	1733731.	211835.	649208.	11428175.
2013	846225.	375115.	222621.	355946.	1799908.	199621.	621016.	12049191.
2014	837767.	390237.	214449.	355845.	1798298.	181301.	571695.	12620886.
2015	871711.	406193.	206482.	368403.	1852789.	168397.	542724.	13163610.
2016	862233.	424111.	198559.	367323.	1852227.	152732.	499916.	13663526.
2017	898165.	440570.	190639.	381365.	1910739.	142250.	475176.	14138702.
2018	889245.	459073.	182721.	380847.	1911886.	129137.	438092.	14576794.
2019	926093.	478634.	174807.	394432.	1973967.	120185.	416767.	14993561.
2020	915974.	500552.	166895.	392847.	1976268.	108891.	384459.	15378020.
2021	952205.	520792.	158987.	410693.	2042677.	102114.	366146.	15744166.
2022	941846.	543493.	151081.	410601.	2047021.	92767.	338086.	16082252.
2023	982115.	567465.	143179.	425348.	2118107.	86518.	322331.	16404583.
2024	970331.	594286.	135510.	424110.	2124237.	78469.	297857.	16702440.
2025	1013635.	619202.	128167.	440368.	2201373.	73453.	284412.	16986852.
2026	1002313.	647127.	121193.	439981.	2210614.	66804.	263159.	17250010.
2027	1044897.	676631.	114493.	456546.	2292567.	62636.	251465.	17501474.
2028	1032301.	709556.	108906.	454459.	2305222.	56937.	232980.	17734454.
2029	1077759.	740311.	96945.	472817.	2387832.	53058.	222361.	17956816.
2030	1065331.	774725.	93174.	472191.	2405421.	48510.	206394.	18163210.
2031	1111433.	811030.	80563.	490007.	2493033.	45109.	197099.	18360308.
2032	1097381.	851203.	77625.	488186.	2514395.	41217.	183164.	18543472.
2033	1146599.	889494.	74692.	507474.	2618260.	39075.	175739.	18719212.
2034	1132829.	931870.	71764.	506699.	2643162.	35775.	163467.	18882680.
2035	1183373.	976622.	66612.	525315.	2751922.	33731.	156817.	19039496.
2036	1169735.	1026170.	63901.	521375.	2781182.	30730.	146028.	19185524.
2037	1222826.	1073484.	61195.	543231.	2900736.	29242.	140335.	19325858.
2038	1210565.	1125822.	27672.	542961.	2907021.	25437.	129585.	19455444.
2039	1263947.	1181118.	27853.	564134.	3037051.	24315.	124741.	19580186.
***** TOTALS IN 2000 DOLLARS *****								
	36582616.	24847476.	5058351.	14067061.	80555504.	4059399.	19580186.	

PS000015P473 • IGCC

CAPITAL EXPENDITURE AND RECOVERY MODULE
SYSTEM REVENUE REQUIREMENTS

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW UNIT CAPITAL REVENUE REQUIREMENT	NEW UNIT FUEL AND O&M REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF NEW UNIT REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REV. REQ.
2000	620715.	462985.	33940.	0.	1117640.	33940.	1117640.	1117640.
2001	678562.	470801.	33777.	0.	1183140.	31123.	1090150.	2207791.
2002	641490.	477412.	36167.	0.	1155069.	30705.	980637.	3188428.
2003	706615.	488104.	33022.	0.	1227741.	25832.	960412.	4148840.
2004	634974.	500326.	65875.	77612.	1278787.	103422.	921720.	5070560.
2005	691046.	510448.	63460.	82942.	1347897.	97230.	895175.	5965735.
2006	632391.	522748.	102370.	156685.	1414194.	158523.	865387.	6831121.
2007	681690.	537814.	98441.	171473.	1489417.	152186.	839784.	7670905.
2008	642064.	546602.	138003.	223574.	1550242.	187846.	805381.	8476286.
2009	706009.	498711.	132692.	255199.	1592612.	185678.	762363.	9238649.
2010	709930.	386164.	301790.	340034.	1737918.	283086.	766534.	10005183.
2011	765481.	348202.	288977.	387546.	1790206.	274938.	727537.	10732720.
2012	759422.	361017.	278328.	376984.	1775751.	245386.	664943.	11397663.
2013	794544.	374515.	268044.	399996.	1837099.	230492.	633848.	12031511.
2014	786712.	389633.	258066.	400928.	1835339.	209500.	583471.	12614982.
2015	818118.	405577.	248363.	414607.	1886664.	194199.	552647.	13167629.
2016	809498.	423499.	238879.	414454.	1886329.	176335.	509121.	13676750.
2017	842575.	439916.	229591.	429816.	1941899.	163986.	482925.	14159675.
2018	833862.	458421.	220338.	430802.	1943423.	149203.	445319.	14604994.
2019	867967.	477938.	211088.	445649.	2002642.	138658.	422822.	15027816.
2020	858355.	499857.	201841.	445445.	2005498.	125922.	390145.	15417961.
2021	894338.	520059.	192597.	462134.	2069127.	117359.	370887.	15788848.
2022	884641.	542784.	183356.	463184.	2073965.	106783.	342536.	16131384.
2023	921950.	566724.	174119.	479300.	2142093.	99437.	325981.	16457365.
2024	911219.	593554.	165115.	479030.	2148917.	90321.	301318.	16758683.
2025	950852.	618434.	156344.	497179.	2222809.	84434.	287182.	17045864.
2026	939986.	646352.	147848.	498281.	2232467.	76917.	265760.	17311624.
2027	980023.	675784.	139627.	515797.	2311230.	71891.	253512.	17565136.
2028	967782.	708710.	131695.	515472.	2323659.	65407.	234843.	17799980.
2029	1010124.	739407.	116564.	535193.	2401288.	60693.	223615.	18023594.
2030	997969.	773779.	110801.	536375.	2418924.	55530.	207553.	18231146.
2031	1041247.	810051.	97374.	555400.	2504072.	51608.	197972.	18429118.
2032	1027801.	850229.	93621.	555207.	2526858.	47265.	184072.	18613190.
2033	1073306.	888496.	80580.	576448.	2618829.	44100.	175778.	18788968.
2034	1059697.	930883.	77702.	577711.	2645993.	40534.	163642.	18952610.
2035	1106575.	975629.	74830.	598383.	2755416.	38363.	157016.	19109626.
2036	1091722.	1025155.	71962.	598133.	2786971.	35184.	146332.	19255958.
2037	1141892.	1072370.	69099.	621032.	2904393.	33388.	140512.	19396470.
2038	1129840.	1124704.	66241.	622375.	2943159.	30696.	131196.	19527666.
2039	1180312.	1179912.	63388.	644847.	3068458.	29089.	126031.	19653698.
			***** TOTALS IN 2000 DOLLARS *****					
	34793292.	24823706.	5695915.	15785223.	81098120.	4377189.	19653698.	

CAPITAL EXPENDITURE AND RECOVERY MODULE
SYSTEM REVENUE REQUIREMENTS

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW UNIT CAPITAL REVENUE REQUIREMENT	NEW UNIT FUEL AND O&M REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF NEW UNIT REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REV. REQ.
2000	620715.	462985.	33940.	0.	1117640.	33940.	1117640.	1117640.
2001	678562.	470801.	33777.	0.	1183140.	31123.	1090150.	2207791.
2002	641490.	477412.	36167.	0.	1155069.	30705.	980637.	3188428.
2003	706615.	488104.	33022.	0.	1227741.	25832.	960412.	4148840.
2004	634974.	500326.	65875.	77612.	1278787.	103422.	921720.	5070560.
2005	691046.	510448.	63460.	82942.	1347897.	97230.	895175.	5965735.
2006	632391.	522748.	102370.	156685.	1414194.	158523.	865387.	6831121.
2007	681690.	537814.	98441.	171473.	1489417.	152186.	839784.	7670905.
2008	642064.	546602.	138003.	223574.	1550242.	187846.	805381.	8476286.
2009	706009.	498711.	132692.	255199.	1592612.	185678.	762363.	9238649.
2010	727551.	386212.	244853.	341363.	1699979.	258559.	749800.	9988449.
2011	780181.	348185.	234265.	393714.	1756344.	255210.	713776.	10702225.
2012	775955.	360977.	225748.	380963.	1743642.	227187.	652920.	11355145.
2013	809781.	374466.	217511.	406472.	1808231.	215291.	623888.	11979033.
2014	802998.	389585.	209501.	406779.	1808864.	195921.	575054.	12554087.
2015	833843.	405516.	201694.	421618.	1862670.	182582.	545618.	13099705.
2016	826688.	423449.	194038.	420477.	1864652.	165858.	503270.	13602975.
2017	856785.	439867.	186516.	439109.	1922276.	155585.	478045.	14081020.
2018	844071.	458371.	179018.	444347.	1925808.	142839.	441282.	14522302.
2019	878340.	477879.	171523.	459822.	1987564.	133297.	419638.	14941940.
2020	869012.	499789.	164032.	459661.	1992494.	121332.	387615.	15329555.
2021	904973.	520002.	156543.	477160.	2058678.	113590.	369014.	15698569.
2022	895371.	542726.	149057.	478431.	2065585.	103636.	341152.	16039721.
2023	932869.	566664.	141575.	495235.	2136344.	96909.	325107.	16364828.
2024	922414.	593494.	134326.	495061.	2145295.	88252.	300810.	16665638.
2025	962094.	618371.	127311.	514075.	2221850.	82866.	287058.	16952696.
2026	951303.	646289.	120570.	515458.	2233620.	75715.	265898.	17218594.
2027	991563.	675718.	114104.	533720.	2315106.	71058.	253937.	17472532.
2028	979595.	708645.	107928.	533539.	2329707.	64831.	235454.	17707986.
2029	1022006.	739335.	94553.	554203.	2410097.	60414.	224435.	17932420.
2030	1009934.	773702.	90165.	555716.	2429517.	55419.	208462.	18140882.
2031	1053488.	809974.	77734.	575557.	2516753.	51649.	198974.	18339856.
2032	1040248.	850148.	74977.	575619.	2540992.	47393.	185101.	18524958.
2033	1085890.	888410.	62932.	597842.	2635074.	44352.	176868.	18701826.
2034	1072350.	930814.	61051.	599508.	2663723.	40852.	164739.	18866564.
2035	1119556.	975530.	59174.	621081.	2775341.	38764.	158152.	19024716.
2036	1104917.	1025081.	57302.	621155.	2808455.	35623.	147460.	19172176.
2037	1155019.	1072297.	55435.	645325.	2928076.	33902.	141658.	19313834.
2038	1142975.	1124605.	53574.	647152.	2968306.	31236.	132317.	19446152.
2039	1193872.	1179822.	51717.	670622.	3096034.	29669.	127164.	19573316.
			***** TOTALS IN 2000 DOLLARS *****					
	35181196.	24821876.	4756474.	16248274.	81007816.	4226273.	19573316.	

15. Refer to pages 33-35 of exhibit JBC-1, the Need Study. Did FPC evaluate utilizing pet coke as primary fuel for the following alternatives: 1) Integrated Gasification Combined Cycle; 2) Pulverized Coal Plant; and 3) Fluidized Bed Coal Plant? If so, provide a PWRR analysis for each of the expansion plans. For each year in the evaluation period, provide the annual and cumulative PWRR for each of the following components: capital, fixed O&M, non-fuel variable O&M, fuel, purchased power, and total costs.

Answer:

FPC's evaluation of the 1) Integrated Gasification Combined Cycle; 2) Pulverized Coal Plant; and 3) Fluidized Bed Coal Plant used high sulfur coal as a fuel source. Pet Coke was not chosen as an acceptable fuel source for these technologies in FPC's internal alternative reviews, however, Pet Coke was reviewed as an outside purchase power option.

16. Refer to John B. Crisp's direct testimony, page 14. Provide a PWRR analysis for the "Base Expansion Plan". For each year in the evaluation period, provide the annual and cumulative PWRR for each of the following components: capital, fixed O&M, non-fuel variable O&M, fuel, purchased power, and total costs.

Answer:

The present worth revenue requirements ("PWRR") for the "Base Expansion Plan" are attached (output run #PS12). The components of the "PWRR" are typical report runs available from the "PROSCREEN" model and provide a general breakdown of the annual and cumulative totals.

PS000012

CAPITAL EXPENDITURE AND RECOVERY MODULE
SYSTEM REVENUE REQUIREMENTS

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW UNIT CAPITAL REVENUE REQUIREMENT	NEW UNIT FUEL AND O&M REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF NEW UNIT REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REV. REQ.
2000	605100.	460139.	33940.	0.	1099178.	33940.	1099178.	1099178.
2001	650428.	466474.	33777.	0.	1150679.	31123.	1060241.	2159419.
2002	618939.	473069.	36167.	0.	1128175.	30705.	957804.	3117223.
2003	680026.	483351.	33022.	0.	1196399.	25832.	935894.	4053117.
2004	609674.	498668.	65875.	71065.	1245282.	98703.	897570.	4950688.
2005	660767.	508753.	63460.	75668.	1308648.	92399.	869108.	5819796.
2006	604807.	521791.	102370.	145159.	1374128.	151471.	840869.	6660665.
2007	652178.	537799.	98441.	161053.	1449470.	146311.	817261.	7477926.
2008	613050.	546596.	138003.	220186.	1517834.	186086.	788544.	8266470.
2009	668429.	498690.	132692.	258086.	1557897.	187060.	745745.	9012215.
2010	676173.	385852.	173004.	353885.	1588915.	232392.	700814.	9713029.
2011	732664.	347903.	165151.	387421.	1633139.	224564.	663705.	10376734.
2012	728120.	360732.	159248.	373616.	1621716.	199535.	607264.	10983998.
2013	754097.	374159.	153514.	395011.	1676781.	189256.	578534.	11562532.
2014	745352.	389269.	147903.	393470.	1675994.	172107.	532814.	12095346.
2015	770045.	405180.	142399.	404714.	1722338.	160262.	504512.	12599858.
2016	760877.	423099.	136959.	401777.	1722711.	145405.	464960.	13064818.
2017	785611.	439499.	131571.	414718.	1771398.	135855.	440524.	13505342.
2018	775950.	457998.	126194.	413162.	1773304.	123589.	406337.	13911679.
2019	801314.	477484.	120819.	425039.	1824656.	115248.	385243.	14296922.
2020	791695.	499380.	115448.	422016.	1828539.	104557.	355720.	14652642.
2021	817417.	519554.	110079.	435684.	1882734.	97827.	337476.	14990118.
2022	806929.	542252.	104714.	434111.	1888006.	88992.	311823.	15301941.
2023	833579.	566168.	99352.	446667.	1945767.	83093.	296105.	15598046.
2024	823459.	592987.	94223.	443556.	1954225.	75407.	274018.	15872064.
2025	850501.	617839.	89328.	458006.	2015675.	70714.	260421.	16132485.
2026	839841.	645739.	84708.	456425.	2026713.	64418.	241267.	16373752.
2027	869862.	675145.	80362.	469711.	2095081.	60336.	229803.	16603555.
2028	859231.	708064.	76306.	466511.	2110113.	54860.	213261.	16816816.
2029	887455.	738724.	65051.	481799.	2173030.	50924.	202358.	17019174.
2030	876240.	773076.	62286.	480214.	2191816.	46549.	188066.	17207240.
2031	905493.	809291.	50982.	494288.	2260054.	43109.	178680.	17385920.
2032	894419.	849434.	49350.	491202.	2284406.	39377.	166410.	17552330.
2033	924066.	887643.	38431.	507196.	2357337.	36623.	158226.	17710556.
2034	911583.	930001.	37676.	505618.	2384878.	33600.	147494.	17858050.
2035	942328.	974671.	27163.	520539.	2464702.	31211.	140450.	17998500.
2036	930586.	1024187.	27328.	517379.	2499480.	28600.	131237.	18129738.
2037	961676.	1071365.	27497.	534340.	2594879.	27181.	125538.	18255276.
2038	949153.	1123666.	27672.	532774.	2633266.	24983.	117382.	18372658.
2039	981539.	1178834.	27853.	548615.	2736841.	23677.	112411.	18485068.
***** TOTALS IN 2000 DOLLARS *****								
	31550656.	24784524.	3490318.	14540683.	74366168.	3767880.	18485068.	

17. Refer to John B. Crisp's direct testimony, page 15. Provide a PWRR analysis for the high fuel price forecast sensitivity to the "Base Expansion Plan". For each year in the evaluation period, provide the annual and cumulative PWRR for each of the following components: capital, fixed O&M, non-fuel variable O&M, fuel, purchased power, and total costs.

Answer:

The present worth revenue requirements ("PWRR") for the "Base Expansion Plan" for the high fuel price forecast are attached (output run #PS15). The components of the "PWRR" are typical report runs available from the "PROSCREEN" model and provide a general breakdown of the annual and cumulative totals.

PS000015

CAPITAL EXPENDITURE AND RECOVERY MODULE
SYSTEM REVENUE REQUIREMENTS

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW UNIT CAPITAL REVENUE REQUIREMENT	NEW UNIT FUEL AND O&M REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF NEW UNIT REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REV. REQ.
2000	620715.	462985.	33940.	0.	1117640.	33940.	1117640.	1117640.
2001	678562.	470801.	33777.	0.	1183140.	31123.	1090150.	2207791.
2002	641490.	477412.	36167.	0.	1155069.	30705.	980637.	3188428.
2003	706615.	488104.	33022.	0.	1227741.	25832.	960412.	4148840.
2004	634974.	500326.	65875.	77612.	1278787.	103422.	921720.	5070560.
2005	691046.	510448.	63460.	82942.	1347897.	97230.	895175.	5965735.
2006	632391.	522748.	102370.	156685.	1414194.	158523.	865387.	6831121.
2007	681690.	537814.	98441.	171473.	1489417.	152186.	839784.	7670905.
2008	642064.	546602.	138003.	223574.	1550242.	187846.	805381.	8476286.
2009	706009.	498711.	132692.	255199.	1592612.	185678.	762363.	9238649.
2010	725063.	385904.	173004.	351147.	1635119.	231185.	721193.	9959842.
2011	773999.	347994.	165151.	408246.	1695389.	233028.	689004.	10648846.
2012	768581.	360827.	159248.	396135.	1684791.	207967.	630882.	11279728.
2013	803604.	374279.	153514.	422010.	1753407.	198571.	604972.	11884700.
2014	795740.	389409.	147903.	423141.	1756193.	181540.	558309.	12443009.
2015	827409.	405332.	142400.	438376.	1813516.	170122.	531220.	12974229.
2016	819271.	423270.	136959.	438001.	1817502.	155182.	490544.	13464773.
2017	852118.	439678.	131571.	455421.	1878788.	145977.	467230.	13932003.
2018	843349.	458181.	126194.	456637.	1884361.	133551.	431785.	14363788.
2019	877762.	477681.	120819.	473182.	1949444.	125413.	411590.	14775378.
2020	868637.	499590.	115448.	472761.	1956436.	114429.	380601.	15155979.
2021	904394.	519793.	110079.	491684.	2025951.	107865.	363147.	15519126.
2022	894662.	542502.	104714.	492991.	2034869.	98717.	336079.	15855205.
2023	932275.	566450.	99352.	510970.	2109047.	92878.	320953.	16176158.
2024	922011.	593278.	94223.	510502.	2120015.	84794.	297265.	16473423.
2025	961472.	618149.	89328.	531066.	2200015.	80153.	284237.	16757660.
2026	950494.	646058.	84708.	532480.	2213740.	73472.	263531.	17021190.
2027	990909.	675483.	80362.	552015.	2298770.	69364.	252145.	17273336.
2028	979159.	708415.	76306.	551496.	2315376.	63449.	234006.	17507342.
2029	1021315.	739092.	65051.	573847.	2399304.	59496.	223430.	17730772.
2030	1009029.	773452.	62287.	575373.	2420140.	54714.	207657.	17938428.
2031	1052741.	809690.	50982.	596613.	2510025.	51199.	198442.	18136870.
2032	1039755.	849851.	49350.	596296.	2535252.	47033.	184683.	18321554.
2033	1085148.	888100.	38431.	620337.	2632017.	44217.	176663.	18498216.
2034	1071402.	930500.	37676.	621978.	2661556.	40796.	164605.	18662820.
2035	1118777.	975209.	27163.	645064.	2766214.	38307.	157631.	18820452.
2036	1104384.	1024757.	27328.	644712.	2801181.	35286.	147078.	18967530.
2037	1154184.	1071997.	27497.	670859.	2924537.	33786.	141486.	19109016.
2038	1141964.	1124313.	27672.	672625.	2966573.	31217.	132240.	19241256.
2039	1192956.	1179524.	27853.	697734.	3098067.	29802.	127247.	19368504.
***** TOTALS IN 2000 DOLLARS *****								
	35118120.	24814708.	3490318.	16791184.	80214336.	4039995.	19368504.	

18. Refer to John B. Crisp's direct testimony, page 15. Provide a PWRR analysis for the sensitivity to the "Base Expansion Plan" in which the current differential price of oil and gas to coal was held constant over time. For each year in the evaluation period, provide the annual and cumulative PWRR for each of the following components: capital, fixed O&M, non-fuel variable O&M, fuel, purchased power, and total costs.

Answer:

The present worth revenue requirements ("PWRR") for the "Base Expansion Plan" for which the current differential price of oil and gas to coal was held constant over time are attached (output run # PS17). The components of the "PWRR" are typical report runs available from the "PROSCREEN" model and provide a general breakdown of the annual and cumulative total.

CAPITAL EXPENDITURE AND RECOVERY MODULE
SYSTEM REVENUE REQUIREMENTS

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW UNIT CAPITAL REVENUE REQUIREMENT	NEW UNIT FUEL AND O&M REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF NEW UNIT REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REV. REQ.
2000	605100.	460139.	33940.	0.	1099178.	33940.	1099178.	1099178.
2001	655549.	468655.	33777.	0.	1157980.	31123.	1066968.	2166146.
2002	621157.	475762.	36167.	0.	1133085.	30705.	961973.	3128120.
2003	680870.	486867.	33022.	0.	1200759.	25832.	939305.	4067424.
2004	605936.	498803.	65875.	68189.	1238802.	96630.	892900.	4960324.
2005	648272.	508764.	63460.	70371.	1290867.	88881.	857299.	5817623.
2006	588381.	521314.	102370.	134095.	1346160.	144700.	823755.	6641378.
2007	631841.	536293.	98441.	146845.	1413419.	138300.	796934.	7438312.
2008	597867.	545480.	138003.	194805.	1476155.	172900.	766891.	8205203.
2009	652754.	497408.	132692.	222603.	1505457.	170075.	720643.	8925845.
2010	666859.	384986.	173004.	303706.	1528555.	210260.	674191.	9600036.
2011	716505.	347829.	165151.	334036.	1563521.	202869.	635413.	10235449.
2012	713824.	360655.	159248.	319961.	1553688.	179443.	581790.	10817239.
2013	734305.	374072.	153514.	339710.	1601602.	170176.	552595.	11369834.
2014	725632.	389179.	147903.	337123.	1599837.	154194.	508603.	11878437.
2015	746071.	405084.	142399.	347197.	1640751.	143414.	480613.	12359050.
2016	737718.	422998.	136959.	343320.	1640996.	129628.	442905.	12801955.
2017	758067.	439391.	131571.	354919.	1683949.	120984.	418776.	13220731.
2018	749207.	457888.	126194.	352291.	1685579.	109641.	386236.	13606967.
2019	770302.	477367.	120819.	362886.	1731375.	102126.	365548.	13972515.
2020	761784.	499259.	115448.	358912.	1735402.	92281.	337601.	14310116.
2021	782795.	519426.	110079.	371110.	1783409.	86252.	319672.	14629788.
2022	773747.	542119.	104714.	368443.	1789023.	78147.	295475.	14925263.
2023	795536.	566028.	99352.	379601.	1840517.	72887.	280088.	15205351.
2024	786830.	592842.	94223.	375527.	1849422.	65868.	259323.	15464674.
2025	808506.	617687.	89328.	388368.	1903889.	61717.	245978.	15710652.
2026	800039.	645581.	84708.	385626.	1915953.	55990.	228081.	15938733.
2027	822609.	674979.	80362.	397427.	1975377.	52407.	216673.	16155406.
2028	813705.	707894.	76306.	393215.	1991119.	47453.	201235.	16356641.
2029	836106.	738546.	65051.	406796.	2046498.	43940.	190575.	16547216.
2030	826828.	772892.	62287.	404020.	2066027.	40011.	177273.	16724489.
2031	849882.	809100.	50982.	416485.	2126448.	36958.	168117.	16892606.
2032	840983.	849239.	49350.	412333.	2151905.	33632.	156758.	17049364.
2033	863929.	887439.	38431.	426513.	2216313.	31207.	148760.	17198124.
2034	854478.	929795.	37676.	423710.	2245659.	28535.	138883.	17337008.
2035	878386.	974413.	27163.	436893.	2316856.	26444.	132025.	17469032.
2036	869314.	1023924.	27328.	432662.	2353228.	24152.	123558.	17592590.
2037	893011.	1071092.	27497.	447642.	2439243.	22987.	118008.	17710598.
2038	883323.	1123389.	27672.	444831.	2479215.	21063.	110515.	17821114.
2039	908029.	1178546.	27853.	458777.	2573204.	19987.	105690.	17926804.
***** TOTALS IN 2000 DOLLARS *****								
	30256036.	24783122.	3490319.	12360948.	70890424.	3397736.	17926804.	

19. Refer to confidential exhibit JBC-3, Appendix 5 to John B. Crisp's confidential direct testimony. Provide a PWRR analysis for each of the expansion plans evaluated. For each year in the evaluation period, provide the annual and cumulative PWRR for each of the following components: capital, fixed O&M, non-fuel variable O&M, fuel, purchased power, and total costs.

Answer:

The tables attached provide the results of the analyses performed in a format as close as possible to the format requested.

Hines 2 Case (Interrogatory 19)

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW RESOURCE CAPITAL (FINANCIAL) REVENUE REQUIREMENT	NEW RESOURCE FUEL AND O&M REVENUE REQUIREMENT	NEW RESOURCE TOTAL REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT.
2000	605,100	460,139	33,940	-	33,940	1,099,179	1,099,179	1,099,179
2001	650,428	466,474	33,777	-	33,777	1,150,679	1,060,240	2,159,419
2002	618,939	473,069	36,167	-	36,167	1,128,175	957,804	3,117,224
2003	680,026	479,873	33,022	-	33,022	1,192,921	933,173	4,050,397
2004	609,674	472,343	65,875	71,065	136,940	1,218,957	878,596	4,928,993
2005	660,767	491,439	63,460	75,668	139,128	1,291,334	857,610	5,786,603
2006	604,807	498,128	102,370	145,159	247,529	1,350,464	826,388	6,612,991
2007	652,178	530,937	98,441	161,053	259,494	1,442,609	813,392	7,426,383
2008	613,050	526,694	138,003	220,186	358,189	1,497,933	778,205	8,204,588
2009	668,429	495,271	132,692	258,086	390,778	1,554,478	744,109	8,948,697
2010	676,173	375,693	173,004	353,885	526,889	1,578,755	696,333	9,645,029
2011	732,664	347,903	165,151	387,421	552,572	1,633,139	663,705	10,308,735
2012	728,120	360,732	159,248	373,616	532,864	1,621,716	607,263	10,915,998
2013	754,097	374,159	153,514	395,011	548,525	1,676,781	578,534	11,494,532
2014	745,352	389,269	147,903	393,470	541,373	1,675,994	532,813	12,027,346
2015	770,045	405,180	142,399	404,714	547,113	1,722,338	504,512	12,531,858
2016	760,877	423,099	136,959	401,777	538,736	1,722,712	464,960	12,996,818
2017	785,611	439,499	131,571	414,718	546,289	1,771,399	440,524	13,437,342
2018	775,950	457,998	126,194	413,162	539,356	1,773,304	406,337	13,843,679
2019	801,314	477,484	120,819	425,039	545,858	1,824,656	385,243	14,228,922
2020	791,695	499,380	115,448	422,016	537,464	1,828,539	355,720	14,584,642
2021	817,417	519,554	110,079	435,684	545,763	1,882,734	337,476	14,922,118
2022	806,929	542,252	104,714	434,111	538,825	1,888,006	311,823	15,233,941
2023	833,579	566,168	99,352	446,667	546,019	1,945,766	296,105	15,530,046
2024	823,459	592,987	94,223	443,556	537,779	1,954,225	274,018	15,804,064
2025	850,501	617,839	89,328	458,006	547,334	2,015,674	260,421	16,064,484
2026	839,841	645,739	84,708	456,425	541,133	2,026,713	241,267	16,305,751
2027	869,862	675,145	80,362	469,711	550,073	2,095,080	229,803	16,535,554
2028	859,231	708,064	76,306	466,511	542,817	2,110,112	213,261	16,748,815

Eagle 530 Case (Interrogatory 19)

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW RESOURCE CAPITAL (FINANCIAL) REVENUE REQUIREMENT	NEW RESOURCE FUEL AND O&M REVENUE REQUIREMENT	NEW RESOURCE TOTAL REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT.
2000	605,100	460,139	33,940	-	33,940	1,099,179	1,099,179	1,099,179
2001	650,428	466,474	33,777	-	33,777	1,150,679	1,060,240	2,159,419
2002	618,939	473,069	36,167	-	36,167	1,128,175	957,804	3,117,224
2003	680,026	484,375	33,022	-	33,022	1,197,423	936,695	4,053,919
2004	565,494	479,086	65,149	138,237	203,386	1,247,966	899,505	4,953,424
2005	616,352	491,922	65,118	141,125	206,243	1,314,517	873,006	5,826,430
2006	563,265	498,204	105,560	209,561	315,121	1,376,590	842,376	6,668,806
2007	613,618	530,780	103,058	220,633	323,691	1,468,089	827,759	7,496,565
2008	573,994	526,569	143,940	282,647	426,587	1,527,150	793,384	8,289,948
2009	570,577	467,317	184,195	373,203	557,398	1,595,292	763,646	9,053,594
2010	648,904	375,474	178,303	402,841	581,144	1,605,522	708,138	9,761,733
2011	705,629	347,714	171,539	434,053	605,592	1,658,935	674,189	10,435,921
2012	701,687	360,547	166,619	423,720	590,339	1,652,573	618,818	11,054,739
2013	725,762	373,947	161,757	445,690	607,447	1,707,156	589,014	11,643,754
2014	717,967	389,059	156,897	446,383	603,280	1,710,306	543,721	12,187,475
2015	741,041	404,964	152,007	459,253	611,260	1,757,265	514,743	12,702,218
2016	732,419	422,885	147,032	458,879	605,911	1,761,215	475,352	13,177,570
2017	756,012	439,277	141,909	473,301	615,210	1,810,499	450,248	13,627,818
2018	747,331	457,780	136,610	474,175	610,785	1,815,896	416,097	14,043,915
2019	771,122	477,260	131,117	487,849	618,966	1,867,348	394,257	14,438,172
2020	762,045	499,158	125,409	487,611	613,020	1,874,223	364,607	14,802,779
2021	786,616	519,325	119,462	502,921	622,383	1,928,324	345,648	15,148,427
2022	777,074	542,025	113,251	503,997	617,248	1,936,347	319,807	15,468,234
2023	802,033	565,933	106,746	518,539	625,285	1,993,251	303,331	15,771,564
2024	792,483	592,755	99,917	518,451	618,368	2,003,606	280,942	16,052,507
2025	818,310	617,601	92,728	534,721	627,449	2,063,360	266,581	16,319,088
2026	808,723	645,503	85,413	536,021	621,434	2,075,660	247,094	16,566,182
2027	837,243	674,902	77,931	551,492	629,423	2,141,568	234,902	16,801,084
2028	826,968	707,824	70,249	551,574	621,823	2,156,615	217,961	17,019,044

Eagle 750 Case (Interrogatory 19)

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW RESOURCE CAPITAL (FINANCIAL) REVENUE REQUIREMENT	NEW RESOURCE FUEL AND O&M REVENUE REQUIREMENT	NEW RESOURCE TOTAL REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT.
2000	605,100	460,139	33,940	-	33,940	1,099,179	1,099,179	1,099,179
2001	650,428	466,474	33,777	-	33,777	1,150,679	1,060,240	2,159,419
2002	618,939	473,069	36,167	-	36,167	1,128,175	957,804	3,117,224
2003	680,026	484,375	33,022	-	33,022	1,197,423	936,695	4,053,919
2004	516,023	469,506	79,322	195,619	274,941	1,260,470	908,518	4,962,437
2005	562,035	479,701	79,683	199,706	279,389	1,321,125	877,394	5,839,831
2006	584,568	514,140	78,996	203,821	282,817	1,381,525	845,396	6,685,227
2007	565,097	518,732	120,454	275,929	396,383	1,480,212	834,594	7,519,821
2008	582,527	529,439	135,665	287,767	423,432	1,535,398	797,669	8,317,490
2009	583,505	470,436	176,733	371,552	548,285	1,602,226	766,965	9,084,455
2010	671,505	378,698	171,610	397,305	568,915	1,619,118	714,135	9,798,591
2011	740,122	347,879	165,569	423,168	588,737	1,676,738	681,424	10,480,014
2012	730,013	360,555	161,319	417,258	578,577	1,669,145	625,024	11,105,038
2013	761,044	373,956	157,072	436,339	593,411	1,728,411	596,348	11,701,386
2014	750,866	389,069	152,782	438,744	591,526	1,731,461	550,447	12,251,833
2015	777,206	404,974	148,372	450,769	599,141	1,781,321	521,789	12,773,622
2016	766,186	422,894	143,808	452,011	595,819	1,784,899	481,745	13,255,366
2017	793,704	439,286	139,029	465,154	604,183	1,837,173	456,881	13,712,248
2018	782,457	457,788	134,001	467,924	601,925	1,842,170	422,117	14,134,365
2019	809,785	477,267	128,697	480,556	609,253	1,896,305	400,370	14,534,735
2020	797,681	499,166	123,088	482,656	605,744	1,902,591	370,126	14,904,861
2021	826,215	519,333	117,139	496,640	613,779	1,959,327	351,205	15,256,066
2022	813,964	542,031	110,815	499,758	610,573	1,966,568	324,798	15,580,864
2023	843,136	565,940	104,231	512,724	616,955	2,026,031	308,319	15,889,183
2024	831,211	592,762	97,345	514,278	611,623	2,035,596	285,428	16,174,611
2025	861,004	617,609	89,949	529,427	619,376	2,097,989	271,055	16,445,667
2026	848,910	645,510	81,990	532,633	614,623	2,109,043	251,068	16,696,734
2027	881,461	674,910	73,685	546,881	620,566	2,176,937	238,782	16,935,516
2028	868,249	707,832	64,971	549,380	614,351	2,190,432	221,378	17,156,895

Panda 530 Case (Interrogatory 19)

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW RESOURCE CAPITAL (FINANCIAL) REVENUE REQUIREMENT	NEW RESOURCE FUEL AND O&M REVENUE REQUIREMENT	NEW RESOURCE TOTAL REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT.
2000	605,100	460,139	33,940	-	33,940	1,099,179	1,099,179	1,099,179
2001	650,428	466,474	33,777	-	33,777	1,150,679	1,060,240	2,159,419
2002	618,939	473,069	36,167	-	36,167	1,128,175	957,804	3,117,224
2003	680,026	480,166	35,521	-	35,521	1,195,714	935,358	4,052,582
2004	623,448	472,399	33,492	100,156	133,648	1,229,495	886,192	4,938,773
2005	673,754	493,479	31,211	103,731	134,942	1,302,175	864,810	5,803,583
2006	604,807	498,128	111,516	145,159	256,675	1,359,610	831,985	6,635,568
2007	652,178	530,937	107,218	161,053	268,271	1,451,386	818,341	7,453,909
2008	613,050	526,694	146,429	220,186	366,615	1,506,359	782,582	8,236,491
2009	668,429	495,271	140,785	258,086	398,871	1,562,571	747,983	8,984,474
2010	676,173	375,693	180,779	353,885	534,664	1,586,530	699,762	9,684,236
2011	732,664	347,903	172,621	387,421	560,042	1,640,609	666,741	10,350,977
2012	728,120	360,732	166,457	373,616	540,073	1,628,925	609,963	10,960,940
2013	754,097	374,159	160,506	395,011	555,517	1,683,773	580,946	11,541,887
2014	745,352	389,269	154,685	393,470	548,155	1,682,776	534,970	12,076,856
2015	770,045	405,180	148,972	404,714	553,686	1,728,911	506,437	12,583,293
2016	760,877	423,099	143,322	401,777	545,099	1,729,075	466,678	13,049,971
2017	785,611	439,499	137,724	414,718	552,442	1,777,552	442,054	13,492,025
2018	775,950	457,998	132,136	413,162	545,298	1,779,246	407,699	13,899,724
2019	801,314	477,484	126,552	425,039	551,591	1,830,389	386,453	14,286,178
2020	791,695	499,380	120,971	422,016	542,987	1,834,062	356,794	14,642,972
2021	817,417	519,554	115,393	435,684	551,077	1,888,048	338,429	14,981,401
2022	806,929	542,252	109,818	434,111	543,929	1,893,110	312,666	15,294,066
2023	833,579	566,168	104,246	446,667	550,913	1,950,660	296,849	15,590,916
2024	823,459	592,987	98,677	443,556	542,233	1,958,679	274,643	15,865,558
2025	850,501	617,839	93,112	458,006	551,118	2,019,458	260,909	16,126,468
2026	839,841	645,739	88,094	456,425	544,519	2,030,099	241,670	16,368,137
2027	869,862	675,145	83,622	469,711	553,333	2,098,340	230,161	16,598,298
2028	859,231	708,064	79,439	466,511	545,950	2,113,245	213,577	16,811,876

20. Refer to confidential exhibit JBC-3, Appendix 5 to John B. Crisp's confidential direct testimony. Provide a PWRR analysis for each of the expansion plans evaluated. This analysis should exclude the impact of the cost of imputed debt as described on pages 12-15 of John B. Crisp's confidential direct testimony. For each year in the evaluation period, provide the annual and cumulative PWRR for each of the following components: capital, fixed O&M, non-fuel variable O&M, fuel, purchased power, and total costs.

Answer:

The tables attached provide the results of the analyses performed in a format as close as possible to the format requested.

Hines 2 Case (Interrogatory 20)

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW RESOURCE CAPITAL (FINANCIAL) REVENUE REQUIREMENT	NEW RESOURCE FUEL AND O&M REVENUE REQUIREMENT	NEW RESOURCE TOTAL REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT.
2000	605,100	460,139	33,940	-	33,940	1,099,179	1,099,179	1,099,179
2001	650,428	466,474	33,777	-	33,777	1,150,679	1,060,240	2,159,419
2002	618,939	473,069	36,167	-	36,167	1,128,175	957,804	3,117,224
2003	680,026	479,873	33,022	-	33,022	1,192,921	933,173	4,050,397
2004	609,674	472,343	65,875	71,065	136,940	1,218,957	878,596	4,928,993
2005	660,767	491,439	63,460	75,668	139,128	1,291,334	857,610	5,786,603
2006	604,807	498,128	102,370	145,159	247,529	1,350,464	826,388	6,612,991
2007	652,178	530,937	98,441	161,053	259,494	1,442,609	813,392	7,426,383
2008	613,050	526,694	138,003	220,186	358,189	1,497,933	778,205	8,204,588
2009	668,429	495,271	132,692	258,086	390,778	1,554,478	744,109	8,948,697
2010	676,173	375,693	173,004	353,885	526,889	1,578,755	696,333	9,645,029
2011	732,664	347,903	165,151	387,421	552,572	1,633,139	663,705	10,308,735
2012	728,120	360,732	159,248	373,616	532,864	1,621,716	607,263	10,915,998
2013	754,097	374,159	153,514	395,011	548,525	1,676,781	578,534	11,494,532
2014	745,352	389,269	147,903	393,470	541,373	1,675,994	532,813	12,027,346
2015	770,045	405,180	142,399	404,714	547,113.	1,722,338	504,512	12,531,858
2016	760,877	423,099	136,959	401,777	538,736	1,722,712	464,960	12,996,818
2017	785,611	439,499	131,571	414,718	546,289	1,771,399	440,524	13,437,342
2018	775,950	457,998	126,194	413,162	539,356	1,773,304	406,337	13,843,679
2019	801,314	477,484	120,819	425,039	545,858	1,824,656	385,243	14,228,922
2020	791,695	499,380	115,448	422,016	537,464	1,828,539	355,720	14,584,642
2021	817,417	519,554	110,079	435,684	545,763	1,882,734	337,476	14,922,118
2022	806,929	542,252	104,714	434,111	538,825	1,888,006	311,823	15,233,941
2023	833,579	566,168	99,352	446,667	546,019	1,945,766	296,105	15,530,046
2024	823,459	592,987	94,223	443,556	537,779	1,954,225	274,018	15,804,064
2025	850,501	617,839	89,328	458,006	547,334	2,015,674	260,421	16,064,484
2026	839,841	645,739	84,708	456,425	541,133	2,026,713	241,267	16,305,751
2027	869,862	675,145	80,362	469,711	550,073	2,095,080	229,803	16,535,554
2028	859,231	708,064	76,306	466,511	542,817	2,110,112	213,261	16,748,815

Eagle 530 Case (Interrogatory 20)

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW RESOURCE CAPITAL (FINANCIAL) REVENUE REQUIREMENT	NEW RESOURCE FUEL AND O&M REVENUE REQUIREMENT	NEW RESOURCE TOTAL REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT.
2000	605,100	460,139	33,940	-	33,940	1,099,179	1,099,179	1,099,179
2001	650,428	466,474	33,777	-	33,777	1,150,679	1,060,240	2,159,419
2002	618,939	473,069	36,167	-	36,167	1,128,175	957,804	3,117,224
2003	680,026	484,375	33,022	-	33,022	1,197,423	936,695	4,053,919
2004	565,494	479,086	31,003	138,237	169,240	1,213,820	874,894	4,928,813
2005	616,352	491,922	30,031	141,125	171,156	1,279,430	849,704	5,778,517
2006	563,265	498,204	70,328	209,561	279,889	1,341,358	820,816	6,599,333
2007	613,618	530,780	67,733	220,633	288,366	1,432,764	807,841	7,407,174
2008	573,994	526,569	108,582	282,647	391,229	1,491,792	775,014	8,182,188
2009	570,577	467,317	148,870	373,203	522,073	1,559,967	746,736	8,928,924
2010	648,904	375,474	143,086	402,841	545,927	1,570,305	692,606	9,621,530
2011	705,629	347,714	136,514	434,053	570,567	1,623,910	659,955	10,281,485
2012	701,687	360,547	131,879	423,720	555,599	1,617,833	605,809	10,887,294
2013	725,762	373,947	127,407	445,690	573,097	1,672,806	577,163	11,464,457
2014	717,967	389,059	123,052	446,383	569,435	1,676,461	532,962	11,997,419
2015	741,041	404,964	118,798	459,253	578,051	1,724,056	505,015	12,502,434
2016	732,419	422,885	114,602	458,879	573,481	1,728,785	466,599	12,969,033
2017	756,012	439,277	110,417	473,301	583,718	1,779,007	442,416	13,411,449
2018	747,331	457,780	106,235	474,175	580,410	1,785,521	409,137	13,820,586
2019	771,122	477,260	102,055	487,849	589,904	1,838,286	388,121	14,208,707
2020	762,045	499,158	97,879	487,611	585,490	1,846,693	359,252	14,567,958
2021	786,616	519,325	93,706	502,921	596,627	1,902,568	341,031	14,908,990
2022	777,074	542,025	89,536	503,997	593,533	1,912,632	315,890	15,224,879
2023	802,033	565,933	85,369	518,539	603,908	1,971,874	300,078	15,524,957
2024	792,483	592,755	81,206	518,451	599,657	1,984,895	278,319	15,803,276
2025	818,310	617,601	77,046	534,721	611,767	2,047,678	264,555	16,067,831
2026	808,723	645,503	73,161	536,021	609,182	2,063,408	245,635	16,313,466
2027	837,243	674,902	69,551	551,492	621,043	2,133,188	233,983	16,547,449
2028	826,968	707,824	66,231	551,574	617,805	2,152,597	217,555	16,765,004

Eagle 750 Case (Interrogatory 20)

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW RESOURCE CAPITAL (FINANCIAL) REVENUE REQUIREMENT	NEW RESOURCE FUEL AND O&M REVENUE REQUIREMENT	NEW RESOURCE TOTAL REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT.
2000	605,100	460,139	33,940	-	33,940	1,099,179	1,099,179	1,099,179
2001	650,428	466,474	33,777	-	33,777	1,150,679	1,060,240	2,159,419
2002	618,939	473,069	36,167	-	36,167	1,128,175	957,804	3,117,224
2003	680,026	484,375	33,022	-	33,022	1,197,423	936,695	4,053,919
2004	516,023	469,506	31,003	195,619	226,622	1,212,151	873,690	4,927,609
2005	562,035	479,701	30,031	199,706	229,737	1,271,473	844,419	5,772,029
2006	584,568	514,140	29,139	203,821	232,960	1,331,668	814,887	6,586,915
2007	565,097	518,732	70,466	275,929	346,395	1,430,224	806,409	7,393,325
2008	582,527	529,439	85,630	287,767	373,397	1,485,363	771,674	8,164,999
2009	583,505	470,436	126,745	371,552	498,297	1,552,238	743,036	8,908,036
2010	671,505	378,698	121,775	397,305	519,080	1,569,283	692,155	9,600,190
2011	740,122	347,879	116,005	423,168	539,173	1,627,174	661,281	10,261,472
2012	730,013	360,555	112,159	417,258	529,417	1,619,985	606,615	10,868,087
2013	761,044	373,956	108,463	436,339	544,802	1,679,802	579,576	11,447,663
2014	750,866	389,069	104,889	438,744	543,633	1,683,568	535,221	11,982,885
2015	777,206	404,974	101,377	450,769	552,146	1,734,326	508,023	12,490,908
2016	766,186	422,894	97,916	452,011	549,927	1,739,007	469,358	12,960,266
2017	793,704	439,286	94,465	465,154	559,619	1,792,609	445,799	13,406,065
2018	782,457	457,788	91,017	467,924	558,941	1,799,186	412,268	13,818,333
2019	809,785	477,267	87,572	480,556	568,128	1,855,180	391,688	14,210,021
2020	797,681	499,166	84,130	482,656	566,786	1,863,633	362,547	14,572,568
2021	826,215	519,333	80,691	496,640	577,331	1,922,879	344,672	14,917,240
2022	813,964	542,031	77,256	499,758	577,014	1,933,009	319,255	15,236,495
2023	843,136	565,940	73,981	512,724	586,705	1,995,781	303,716	15,540,211
2024	831,211	592,762	70,868	514,278	585,146	2,009,119	281,715	15,821,926
2025	861,004	617,609	67,758	529,427	597,185	2,075,798	268,188	16,090,115
2026	848,910	645,510	64,652	532,633	597,285	2,091,705	249,004	16,339,118
2027	881,461	674,910	61,827	546,881	608,708	2,165,079	237,481	16,576,599
2028	868,249	707,832	59,285	549,380	608,665	2,184,746	220,804	16,797,403

Panda 530 Case (Interrogatory 20)

YEAR	EXISTING UNIT OPERATING EXPENSES	PURCHASED POWER AND OTHER PRODUCTION COSTS	NEW RESOURCE CAPITAL (FINANCIAL) REVENUE REQUIREMENT	NEW RESOURCE FUEL AND O&M REVENUE REQUIREMENT	NEW RESOURCE TOTAL REVENUE REQUIREMENT	SYSTEM REVENUE REQUIREMENT	PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT	ACCUMULATED PRESENT WORTH OF SYSTEM REVENUE REQUIREMENT.
2000	605,100	460,139	33,940	-	33,940	1,099,179	1,099,179	1,099,179
2001	650,428	466,474	33,777	-	33,777	1,150,679	1,060,240	2,159,419
2002	618,939	473,069	36,167	-	36,167	1,128,175	957,804	3,117,224
2003	680,026	480,166	33,022	-	33,022	1,193,214	933,403	4,050,627
2004	623,448	472,399	31,003	100,156	131,159	1,227,006	884,397	4,935,024
2005	673,754	493,479	30,031	103,731	133,762	1,300,995	864,026	5,799,050
2006	604,807	498,128	111,516	145,159	256,675	1,359,610	831,985	6,631,035
2007	652,178	530,937	107,218	161,053	268,271	1,451,386	818,341	7,449,376
2008	613,050	526,694	146,429	220,186	366,615	1,506,359	782,582	8,231,958
2009	668,429	495,271	140,785	258,086	398,871	1,562,571	747,983	8,979,941
2010	676,173	375,693	180,779	353,885	534,664	1,586,530	699,762	9,679,703
2011	732,664	347,903	172,621	387,421	560,042	1,640,609	666,741	10,346,444
2012	728,120	360,732	166,457	373,616	540,073	1,628,925	609,963	10,956,407
2013	754,097	374,159	160,506	395,011	555,517	1,683,773	580,946	11,537,353
2014	745,352	389,269	154,685	393,470	548,155	1,682,776	534,970	12,072,323
2015	770,045	405,180	148,972	404,714	553,686	1,728,911	506,437	12,578,760
2016	760,877	423,099	143,322	401,777	545,099	1,729,075	466,678	13,045,438
2017	785,611	439,499	137,724	414,718	552,442	1,777,552	442,054	13,487,492
2018	775,950	457,998	132,136	413,162	545,298	1,779,246	407,699	13,895,191
2019	801,314	477,484	126,552	425,039	551,591	1,830,389	386,453	14,281,645
2020	791,695	499,380	120,971	422,016	542,987	1,834,062	356,794	14,638,439
2021	817,417	519,554	115,393	435,684	551,077	1,888,048	338,429	14,976,868
2022	806,929	542,252	109,818	434,111	543,929	1,893,110	312,666	15,289,533
2023	833,579	566,168	104,246	446,667	550,913	1,950,660	296,849	15,586,383
2024	823,459	592,987	98,677	443,556	542,233	1,958,679	274,643	15,861,025
2025	850,501	617,839	93,112	458,006	551,118	2,019,458	260,909	16,121,935
2026	839,841	645,739	88,094	456,425	544,519	2,030,099	241,670	16,363,604
2027	869,862	675,145	83,622	469,711	553,333	2,098,340	230,161	16,593,765
2028	859,231	708,064	79,439	466,511	545,950	2,113,245	213,577	16,807,343

21. Refer to confidential exhibit JBC-3, Appendix 6 to John B. Crisp's confidential direct testimony. Provide a PWRR analysis for each of the expansion plans evaluated. For each year in the evaluation period, provide the annual and cumulative PWRR for each of the following components: capital, fixed O&M, non-fuel variable O&M, fuel, purchased power, and total costs.

Answer:

Attached.

Annual and Cumulative Revenue Requirement
Hines 2

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	6,467	212	191	787,329	459,222	1,253,420
2004	38,569	1,003	3,136	769,534	447,197	1,259,440
2005	45,021	1,796	3,244	844,751	469,460	1,364,272
2006	82,555	5,133	10,087	826,159	473,397	1,397,331
2007	88,170	6,113	6,607	919,728	508,009	1,528,628
2008	126,127	9,845	13,880	914,938	503,667	1,568,456
2009	131,057	11,035	15,729	1,022,392	472,779	1,652,992
2010	170,083	15,197	17,662	1,098,027	341,519	1,642,487
2011	165,006	15,641	19,945	1,120,341	358,825	1,679,758
2012	161,266	16,106	21,856	1,143,109	366,117	1,708,454
2013	156,495	16,579	21,201	1,166,340	373,558	1,734,172
2014	152,117	17,070	18,048	1,190,043	381,149	1,758,427
2015	149,246	17,579	26,712	1,214,227	388,895	1,796,660
2016	146,172	18,103	18,733	1,238,903	396,798	1,818,709
2017	142,672	18,641	21,472	1,264,081	404,862	1,851,729
2018	139,996	19,200	24,416	1,289,770	413,090	1,886,472
2019	136,548	19,773	22,824	1,315,981	421,485	1,916,612
2020	132,907	20,364	21,145	1,342,725	430,051	1,947,191
2021	132,336	20,980	29,277	1,370,013	438,790	1,991,396
2022	130,054	21,608	22,499	1,397,855	447,708	2,019,723
2023	126,416	22,254	25,789	1,426,263	456,806	2,057,527
2024	124,298	22,922	29,325	1,455,248	466,089	2,097,881
2025	120,780	23,608	27,413	1,484,822	475,561	2,132,184
2026	118,337	24,315	25,395	1,514,997	485,226	2,168,270
2027	114,502	25,043	29,139	1,545,785	495,087	2,209,556
2028	110,213	25,596	23,573	1,577,200	505,148	2,241,730
Cumulative	1,093,411	118,506	149,466	10,868,062	4,492,510	16,721,956

Annual and Cumulative Revenue Requirement

Panda

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	787,369	470,216	1,257,585
2004	-	-	-	775,388	500,233	1,275,621
2005	15,343	1,020	382	836,386	509,830	1,362,961
2006	91,361	5,229	6,523	823,319	473,656	1,400,088
2007	96,449	6,210	6,533	922,503	508,032	1,539,727
2008	134,932	9,946	17,752	919,092	503,495	1,585,217
2009	139,447	11,136	10,228	1,011,893	472,875	1,645,580
2010	177,716	15,299	17,956	1,098,523	340,995	1,650,490
2011	172,864	15,747	25,624	1,120,848	358,290	1,693,373
2012	168,580	16,212	18,020	1,143,626	365,572	1,712,009
2013	163,352	16,687	21,112	1,166,867	373,001	1,741,019
2014	159,625	17,183	21,960	1,190,581	380,581	1,769,930
2015	154,665	17,688	22,441	1,214,777	388,316	1,797,887
2016	150,037	18,214	18,616	1,239,464	396,207	1,822,538
2017	148,694	18,761	25,811	1,264,653	404,259	1,862,178
2018	146,450	19,321	19,808	1,290,354	412,475	1,888,409
2019	142,689	19,897	22,717	1,316,577	420,857	1,922,737
2020	139,521	20,492	25,843	1,343,333	429,410	1,958,600
2021	135,489	21,105	24,147	1,370,633	438,137	1,989,510
2022	131,963	21,737	22,358	1,398,488	447,041	2,021,586
2023	132,175	22,393	30,999	1,426,908	456,126	2,068,602
2024	129,137	23,062	23,790	1,455,907	465,395	2,097,292
2025	124,625	23,751	27,284	1,485,494	474,853	2,136,008
2026	123,800	24,465	31,038	1,515,683	484,504	2,179,489
2027	120,335	25,196	29,001	1,546,486	494,350	2,215,368
2028	117,669	25,949	26,853	1,577,914	504,396	2,252,781
Cumulative	1,085,179	117,741	143,265	10,865,912	4,576,138	16,788,235

Annual and Cumulative Revenue Requirement
Eagle 530 MW

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	790,082	498,493	1,288,575
2004	-	-	-	697,832	577,783	1,275,615
2005	7,658	253	191	742,248	625,644	1,375,993
2006	45,602	1,153	3,262	733,356	631,910	1,415,282
2007	52,180	2,015	3,362	821,510	669,022	1,548,089
2008	99,692	6,492	10,764	817,951	667,288	1,602,188
2009	137,913	10,369	10,131	883,525	610,222	1,652,160
2010	133,992	10,672	14,348	1,004,098	511,741	1,674,852
2011	130,924	10,986	20,599	1,025,102	531,654	1,719,264
2012	127,160	11,305	10,391	1,046,545	541,561	1,736,962
2013	123,175	11,636	17,296	1,068,436	551,564	1,772,109
2014	120,502	11,981	20,922	1,090,786	561,656	1,805,846
2015	116,702	12,331	11,436	1,113,602	571,825	1,825,897
2016	113,101	12,696	15,507	1,136,896	582,061	1,860,261
2017	112,079	13,077	20,964	1,160,678	592,350	1,899,148
2018	109,115	13,463	11,980	1,184,957	602,678	1,922,191
2019	106,615	13,865	17,620	1,209,743	613,028	1,960,871
2020	106,684	14,284	22,408	1,235,048	623,381	2,001,806
2021	103,448	14,706	13,735	1,260,883	633,718	2,026,490
2022	99,453	15,143	18,625	1,287,258	644,014	2,064,492
2023	98,761	15,599	25,178	1,314,184	654,242	2,107,965
2024	95,295	16,062	14,388	1,341,674	664,375	2,131,794
2025	93,523	16,544	21,162	1,369,739	674,379	2,175,348
2026	95,437	17,045	26,912	1,398,391	684,218	2,222,003
2027	90,962	17,548	16,496	1,427,642	693,851	2,246,498
2028	87,703	18,070	22,369	1,457,505	671,279	2,256,926
Cumulative	801,989	79,584	105,589	9,930,220	6,106,473	17,023,855

Annual and Cumulative Revenue Requirement
Eagle 750 MW

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	790,082	512,667	1,302,749
2004	-	-	-	652,540	619,277	1,271,817
2005	-	-	-	691,367	678,822	1,370,189
2006	7,848	269	191	718,347	715,157	1,441,813
2007	50,172	1,457	3,327	763,221	724,000	1,542,177
2008	73,763	4,597	3,424	796,239	740,139	1,618,161
2009	113,213	8,423	11,334	861,758	684,380	1,679,107
2010	109,623	8,665	6,797	984,887	588,112	1,698,085
2011	106,487	8,001	11,781	1,005,828	607,000	1,739,098
2012	103,464	8,233	13,167	1,027,214	618,090	1,770,168
2013	100,260	8,472	7,505	1,049,055	629,259	1,794,551
2014	97,077	8,719	13,996	1,071,360	640,492	1,831,644
2015	94,747	8,975	11,643	1,094,140	651,774	1,861,278
2016	91,270	9,236	8,164	1,117,404	663,087	1,889,161
2017	88,544	9,509	12,349	1,141,163	674,413	1,925,978
2018	87,385	9,792	13,255	1,165,427	685,729	1,961,588
2019	84,993	10,081	8,475	1,190,206	697,010	1,990,765
2020	83,421	10,382	14,090	1,215,513	708,230	2,031,635
2021	82,030	10,691	13,959	1,241,358	719,356	2,067,393
2022	78,000	11,004	9,805	1,267,752	730,354	2,096,915
2023	75,030	11,332	14,806	1,294,707	741,187	2,137,062
2024	74,471	11,672	15,920	1,322,236	751,811	2,176,109
2025	72,032	12,018	10,152	1,350,350	762,177	2,206,729
2026	70,905	12,379	16,922	1,379,061	772,235	2,251,503
2027	70,154	12,748	16,737	1,408,383	781,923	2,289,946
2028	65,421	13,123	11,776	1,438,329	745,961	2,274,610
Cumulative	619,996	58,208	70,073	9,677,382	6,794,864	17,220,523

22. Refer to confidential exhibit JBC-3, Appendix 6 to John B. Crisp's confidential direct testimony. Provide a PWRR analysis for each of the expansion plans evaluated. This analysis should exclude the impact of the cost of imputed debt as described on pages 12-15 of John B. Crisp's confidential direct testimony. For each year in the evaluation period, provide the annual and cumulative PWRR for each of the following components: capital, fixed O&M, non-fuel variable O&M, fuel, purchased power, and total costs.

Answer:

Attached.

Annual and Cumulative Revenue Requirement
~~Hines 2~~

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	6,467	212	191	787,329	459,222	1,253,420
2004	38,569	1,003	3,136	769,534	447,197	1,259,440
2005	45,021	1,796	3,244	844,751	469,460	1,364,272
2006	82,555	5,133	10,087	826,159	473,397	1,397,331
2007	88,170	6,113	6,607	919,728	508,009	1,528,628
2008	126,127	9,845	13,880	914,938	503,667	1,568,456
2009	131,057	11,035	15,729	1,022,392	472,779	1,652,992
2010	170,083	15,197	17,662	1,098,027	341,519	1,642,487
2011	165,006	15,641	19,945	1,120,341	358,825	1,679,758
2012	161,266	16,106	21,856	1,143,109	366,117	1,708,454
2013	156,495	16,579	21,201	1,166,340	373,558	1,734,172
2014	152,117	17,070	18,048	1,190,043	381,149	1,758,427
2015	149,246	17,579	26,712	1,214,227	388,895	1,796,660
2016	146,172	18,103	18,733	1,238,903	396,798	1,818,709
2017	142,672	18,641	21,472	1,264,081	404,862	1,851,729
2018	139,996	19,200	24,416	1,289,770	413,090	1,886,472
2019	136,548	19,773	22,824	1,315,981	421,485	1,916,612
2020	132,907	20,364	21,145	1,342,725	430,051	1,947,191
2021	132,336	20,980	29,277	1,370,013	438,790	1,991,396
2022	130,054	21,608	22,499	1,397,855	447,708	2,019,723
2023	126,416	22,254	25,789	1,426,263	456,806	2,057,527
2024	124,298	22,922	29,325	1,455,248	466,089	2,097,881
2025	120,780	23,608	27,413	1,484,822	475,561	2,132,184
2026	118,337	24,315	25,395	1,514,997	485,226	2,168,270
2027	114,502	25,043	29,139	1,545,785	495,087	2,209,556
2028	110,213	25,596	23,573	1,577,200	505,148	2,241,730
Cumulative	1,093,411	118,506	149,466	10,868,062	4,492,510	16,721,956

Annual and Cumulative Revenue Requirement
Panda without Imputed Debt

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	787,369	468,048	1,255,417
2004	-	-	-	775,388	499,205	1,274,593
2005	15,343	1,020	382	836,386	509,830	1,362,961
2006	91,361	5,229	6,523	823,319	473,656	1,400,088
2007	96,449	6,210	6,533	922,503	508,032	1,539,727
2008	134,932	9,946	17,752	919,092	503,495	1,585,217
2009	139,447	11,136	10,228	1,011,893	472,875	1,645,580
2010	177,716	15,299	17,956	1,098,523	340,995	1,650,490
2011	172,864	15,747	25,624	1,120,848	358,290	1,693,373
2012	168,580	16,212	18,020	1,143,626	365,572	1,712,009
2013	163,352	16,687	21,112	1,166,867	373,001	1,741,019
2014	159,625	17,183	21,960	1,190,581	380,581	1,769,930
2015	154,665	17,688	22,441	1,214,777	388,316	1,797,887
2016	150,037	18,214	18,616	1,239,464	396,207	1,822,538
2017	148,694	18,761	25,811	1,264,653	404,259	1,862,178
2018	146,450	19,321	19,808	1,290,354	412,475	1,888,409
2019	142,689	19,897	22,717	1,316,577	420,857	1,922,737
2020	139,521	20,492	25,843	1,343,333	429,410	1,958,600
2021	135,489	21,105	24,147	1,370,633	438,137	1,989,510
2022	131,963	21,737	22,358	1,398,488	447,041	2,021,586
2023	132,175	22,393	30,999	1,426,908	456,126	2,068,602
2024	129,137	23,062	23,790	1,455,907	465,395	2,097,292
2025	124,625	23,751	27,284	1,485,494	474,853	2,136,008
2026	123,800	24,465	31,038	1,515,683	484,504	2,179,489
2027	120,335	25,196	29,001	1,546,486	494,350	2,215,368
2028	117,669	25,949	26,853	1,577,914	504,396	2,252,781
Cumulative	1,085,179	117,741	143,265	10,865,912	4,573,271	16,785,368

Annual and Cumulative Revenue Requirement
Eagle 530 MW without Imputed Debt

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	790,082	464,347	1,254,429
2004	-	-	-	697,832	542,696	1,240,528
2005	7,658	253	191	742,248	590,412	1,340,761
2006	45,602	1,153	3,262	733,356	596,585	1,379,957
2007	52,180	2,015	3,362	821,510	633,664	1,512,730
2008	99,692	6,492	10,764	817,951	631,964	1,566,863
2009	137,913	10,369	10,131	883,525	575,005	1,616,943
2010	133,992	10,672	14,348	1,004,098	476,716	1,639,827
2011	130,924	10,986	20,599	1,025,102	496,914	1,684,525
2012	127,160	11,305	10,391	1,046,545	507,210	1,702,611
2013	123,175	11,636	17,296	1,068,436	517,720	1,738,264
2014	120,502	11,981	20,922	1,090,786	528,446	1,772,637
2015	116,702	12,331	11,436	1,113,602	539,395	1,793,466
2016	113,101	12,696	15,507	1,136,896	550,569	1,828,770
2017	112,079	13,077	20,964	1,160,678	561,975	1,868,772
2018	109,115	13,463	11,980	1,184,957	573,616	1,893,130
2019	106,615	13,865	17,620	1,209,743	585,498	1,933,341
2020	106,684	14,284	22,408	1,235,048	597,625	1,976,050
2021	103,448	14,706	13,735	1,260,883	610,003	2,002,775
2022	99,453	15,143	18,625	1,287,258	622,637	2,043,115
2023	98,761	15,599	25,178	1,314,184	635,532	2,089,254
2024	95,295	16,062	14,388	1,341,674	648,693	2,116,112
2025	93,523	16,544	21,162	1,369,739	662,127	2,163,095
2026	95,437	17,045	26,912	1,398,391	675,838	2,213,624
2027	90,962	17,548	16,496	1,427,642	689,833	2,242,480
2028	87,703	18,070	22,369	1,457,505	671,279	2,256,926
Cumulative	801,989	79,584	105,589	9,930,220	5,783,786	16,701,168

Annual and Cumulative Revenue Requirement
Eagle 750 MW without Imputed Debt

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	790,082	464,347	1,254,429
2004	-	-	-	652,540	569,626	1,222,166
2005	-	-	-	691,367	628,965	1,320,332
2006	7,848	269	191	718,347	665,169	1,391,824
2007	50,172	1,457	3,327	763,221	673,965	1,492,142
2008	73,763	4,597	3,424	796,239	690,151	1,568,173
2009	113,213	8,423	11,334	861,758	634,545	1,629,272
2010	109,623	8,665	6,797	984,887	538,548	1,648,521
2011	106,487	8,001	11,781	1,005,828	557,840	1,689,938
2012	103,464	8,233	13,167	1,027,214	569,482	1,721,560
2013	100,260	8,472	7,505	1,049,055	581,366	1,746,657
2014	97,077	8,719	13,996	1,071,360	593,497	1,784,650
2015	94,747	8,975	11,643	1,094,140	605,881	1,815,386
2016	91,270	9,236	8,164	1,117,404	618,524	1,844,598
2017	88,544	9,509	12,349	1,141,163	631,429	1,882,994
2018	87,385	9,792	13,255	1,165,427	644,604	1,920,463
2019	84,993	10,081	8,475	1,190,206	658,053	1,951,808
2020	83,421	10,382	14,090	1,215,513	671,782	1,995,187
2021	82,030	10,691	13,959	1,241,358	685,797	2,033,835
2022	78,000	11,004	9,805	1,267,752	700,104	2,066,665
2023	75,030	11,332	14,806	1,294,707	714,710	2,110,584
2024	74,471	11,672	15,920	1,322,236	729,619	2,153,918
2025	72,032	12,018	10,152	1,350,350	744,839	2,189,391
2026	70,905	12,379	16,922	1,379,061	760,377	2,239,644
2027	70,154	12,748	16,737	1,408,383	776,238	2,284,260
2028	65,421	13,123	11,776	1,438,329	745,961	2,274,610
Cumulative	619,996	58,208	70,073	9,677,382	6,338,231	16,763,890

23. Refer to John B. Crisp's confidential direct testimony, page 15. Provide a PWRR analysis for each of the expansion plans evaluated under the high-fuel price forecast case, the low-fuel price forecast case, and the "Gulfstream" sensitivity. For each year in the evaluation period, provide the annual and cumulative PWRR for each of the following components: capital, fixed O&M, non-fuel variable O&M, fuel, purchased power, and total costs.

Answer:

Attached.

Annual and Cumulative Revenue Requirement
Hines 2 - High Fuel Sensitivity

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	6,467	212	191	822,631	460,585	1,290,086
2004	38,569	1,003	3,136	810,685	448,801	1,302,195
2005	45,021	1,796	3,244	892,491	470,601	1,413,153
2006	82,555	5,133	10,087	876,855	476,823	1,451,454
2007	88,170	6,113	6,607	972,225	511,150	1,584,265
2008	126,127	9,845	13,880	957,366	507,427	1,614,644
2009	131,057	11,035	15,729	1,068,919	477,222	1,703,962
2010	170,083	15,197	17,662	1,150,014	345,647	1,698,603
2011	165,006	15,641	19,945	1,173,386	363,037	1,737,014
2012	161,266	16,106	21,856	1,197,232	370,415	1,766,874
2013	156,495	16,579	21,201	1,221,562	377,942	1,793,779
2014	152,117	17,070	18,048	1,246,387	385,623	1,819,245
2015	149,246	17,579	26,712	1,271,717	393,460	1,858,714
2016	146,172	18,103	18,733	1,297,561	401,456	1,882,025
2017	142,672	18,641	21,472	1,323,931	409,614	1,916,331
2018	139,996	19,200	24,416	1,350,836	417,939	1,952,387
2019	136,548	19,773	22,824	1,378,289	426,432	1,983,866
2020	132,907	20,364	21,145	1,406,299	435,099	2,015,813
2021	132,336	20,980	29,277	1,434,878	443,941	2,061,412
2022	130,054	21,608	22,499	1,464,038	452,963	2,091,162
2023	126,416	22,254	25,789	1,493,791	462,168	2,130,418
2024	124,298	22,922	29,325	1,524,149	471,560	2,172,253
2025	120,780	23,608	27,413	1,555,123	481,144	2,208,067
2026	118,337	24,315	25,395	1,586,727	490,922	2,245,696
2027	114,502	25,043	29,139	1,618,973	500,898	2,288,555
2028	110,213	25,596	23,573	1,651,875	511,078	2,322,334
Cumulative	1,093,411	118,506	149,466	11,403,495	4,529,769	17,294,647

Annual and Cumulative Revenue Requirement
Hines 2 - Low Fuel Sensitivity

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	6,467	212	191	749,648	452,627	1,209,145
2004	38,569	1,003	3,136	721,764	441,457	1,205,930
2005	45,021	1,796	3,244	779,988	464,327	1,294,376
2006	82,555	5,133	10,087	734,331	486,169	1,318,276
2007	88,170	6,113	6,607	826,801	502,970	1,430,662
2008	126,127	9,845	13,880	807,537	499,932	1,457,320
2009	131,057	11,035	15,729	890,891	467,958	1,516,670
2010	170,083	15,197	17,662	942,920	336,870	1,482,732
2011	165,006	15,641	19,945	962,083	354,081	1,516,756
2012	161,266	16,106	21,856	981,635	361,277	1,542,140
2013	156,495	16,579	21,201	1,001,584	368,619	1,564,477
2014	152,117	17,070	18,048	1,021,938	376,111	1,585,284
2015	149,246	17,579	26,712	1,042,707	383,754	1,619,998
2016	146,172	18,103	18,733	1,063,897	391,553	1,638,457
2017	142,672	18,641	21,472	1,085,518	399,510	1,667,814
2018	139,996	19,200	24,416	1,107,578	407,629	1,698,820
2019	136,548	19,773	22,824	1,130,087	415,913	1,725,146
2020	132,907	20,364	21,145	1,153,053	424,366	1,751,834
2021	132,336	20,980	29,277	1,176,486	432,990	1,792,069
2022	130,054	21,608	22,499	1,200,395	441,789	1,816,345
2023	126,416	22,254	25,789	1,224,790	450,767	1,850,016
2024	124,298	22,922	29,325	1,249,681	459,928	1,886,153
2025	120,780	23,608	27,413	1,275,077	469,275	1,916,152
2026	118,337	24,315	25,395	1,300,990	478,812	1,947,849
2027	114,502	25,043	29,139	1,327,429	488,542	1,984,655
2028	110,213	25,596	23,573	1,354,406	498,471	2,012,258
Cumulative	1,093,411	118,506	149,466	9,557,667	4,450,915	15,369,965

Annual and Cumulative Revenue Requirement
Hines 2 - Gulfstream Sensitivity

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	6,467	212	191	768,251	454,744	1,229,865
2004	38,569	1,003	3,136	756,816	445,063	1,244,588
2005	45,021	1,796	3,244	827,405	467,200	1,344,666
2006	82,555	5,133	10,087	818,809	472,108	1,388,693
2007	88,170	6,113	6,607	907,323	505,849	1,514,062
2008	126,127	9,845	13,880	908,444	502,648	1,560,943
2009	131,057	11,035	15,729	1,013,279	471,136	1,642,236
2010	170,083	15,197	17,662	1,088,811	339,430	1,631,182
2011	165,006	15,641	19,945	1,110,938	356,693	1,668,223
2012	161,266	16,106	21,856	1,133,515	363,942	1,696,685
2013	156,495	16,579	21,201	1,156,551	371,339	1,722,164
2014	152,117	17,070	18,048	1,180,055	378,885	1,746,175
2015	149,246	17,579	26,712	1,204,036	386,585	1,784,159
2016	146,172	18,103	18,733	1,228,505	394,441	1,805,954
2017	142,672	18,641	21,472	1,253,471	402,457	1,838,715
2018	139,996	19,200	24,416	1,278,945	410,636	1,873,193
2019	136,548	19,773	22,824	1,304,936	418,981	1,903,063
2020	132,907	20,364	21,145	1,331,456	427,496	1,933,367
2021	132,336	20,980	29,277	1,358,514	436,184	1,977,291
2022	130,054	21,608	22,499	1,386,122	445,048	2,005,331
2023	126,416	22,254	25,789	1,414,292	454,093	2,042,843
2024	124,298	22,922	29,325	1,443,034	463,321	2,082,899
2025	120,780	23,608	27,413	1,472,359	472,737	2,116,896
2026	118,337	24,315	25,395	1,502,281	482,344	2,152,672
2027	114,502	25,043	29,139	1,532,811	492,146	2,193,641
2028	110,213	25,596	23,573	1,563,962	502,148	2,225,491
Cumulative	1,093,411	118,506	149,466	10,749,081	4,468,553	16,579,018

Annual and Cumulative Revenue Requirement
Panda - High Fuel Sensitivity

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	822,822	471,562	1,294,384
2004	-	-	-	817,151	501,716	1,318,867
2005	15,343	1,020	382	889,795	513,271	1,419,811
2006	91,361	5,229	6,523	873,629	477,197	1,453,939
2007	96,449	6,210	6,533	975,199	511,250	1,595,641
2008	134,932	9,946	17,752	961,895	507,176	1,631,701
2009	139,447	11,136	10,228	1,057,455	477,556	1,695,822
2010	177,716	15,299	17,956	1,150,505	345,084	1,706,560
2011	172,864	15,747	25,624	1,173,886	362,462	1,750,584
2012	168,580	16,212	18,020	1,197,742	369,829	1,770,382
2013	163,352	16,687	21,112	1,222,083	377,344	1,800,579
2014	159,625	17,183	21,960	1,246,919	385,013	1,830,699
2015	154,665	17,688	22,441	1,272,260	392,837	1,859,891
2016	150,037	18,214	18,616	1,298,115	400,821	1,885,803
2017	148,694	18,761	25,811	1,324,496	408,967	1,926,728
2018	146,450	19,321	19,808	1,351,413	417,278	1,954,271
2019	142,689	19,897	22,717	1,378,877	425,758	1,989,938
2020	139,521	20,492	25,843	1,406,899	434,410	2,027,166
2021	135,489	21,105	24,147	1,435,491	443,239	2,059,470
2022	131,963	21,737	22,358	1,464,664	452,246	2,092,968
2023	132,175	22,393	30,999	1,494,429	461,437	2,141,434
2024	129,137	23,062	23,790	1,524,800	470,815	2,171,604
2025	124,625	23,751	27,284	1,555,788	480,383	2,211,830
2026	123,800	24,465	31,038	1,587,405	490,145	2,256,853
2027	120,335	25,196	29,001	1,619,665	500,106	2,294,304
2028	117,669	25,949	26,853	1,652,581	510,270	2,333,321
Cumulative	1,085,179	117,741	143,265	11,405,931	4,615,062	17,367,178

Annual and Cumulative Revenue Requirement
Panda - Low Fuel Sensitivity

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	749,160	463,814	1,212,974
2004	-	-	-	727,467	492,867	1,220,334
2005	15,343	1,020	382	775,687	505,977	1,298,409
2006	91,361	5,229	6,523	748,235	469,364	1,320,712
2007	96,449	6,210	6,533	829,390	503,032	1,441,614
2008	134,932	9,946	17,752	811,091	499,982	1,473,703
2009	139,447	11,136	10,228	882,261	467,809	1,510,882
2010	177,716	15,299	17,956	943,275	336,622	1,490,868
2011	172,864	15,747	25,624	962,444	353,828	1,530,508
2012	168,580	16,212	18,020	982,003	361,019	1,545,834
2013	163,352	16,687	21,112	1,001,960	368,356	1,571,467
2014	159,625	17,183	21,960	1,022,323	375,842	1,596,932
2015	154,665	17,688	22,441	1,043,099	383,480	1,621,373
2016	150,037	18,214	18,616	1,064,297	391,273	1,642,437
2017	148,694	18,761	25,811	1,085,926	399,225	1,678,417
2018	146,450	19,321	19,808	1,107,995	407,338	1,700,913
2019	142,689	19,897	22,717	1,130,512	415,616	1,731,431
2020	139,521	20,492	25,843	1,153,487	424,063	1,763,406
2021	135,489	21,105	24,147	1,176,929	432,681	1,790,350
2022	131,963	21,737	22,358	1,200,847	441,474	1,818,378
2023	132,175	22,393	30,999	1,225,251	450,446	1,861,264
2024	129,137	23,062	23,790	1,250,151	459,600	1,885,741
2025	124,625	23,751	27,284	1,275,557	468,940	1,920,157
2026	123,800	24,465	31,038	1,301,480	478,470	1,959,252
2027	120,335	25,196	29,001	1,327,929	488,194	1,990,656
2028	117,669	25,949	26,853	1,354,916	498,115	2,023,502
Cumulative	1,085,179	117,741	143,265	9,569,822	4,523,739	15,439,746

Annual and Cumulative Revenue Requirement
Panda - Gulfstream Fuel Sensitivity

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	771,157	466,992	1,238,149
2004	-	-	-	766,104	496,721	1,262,825
2005	15,343	1,020	382	827,789	509,055	1,353,590
2006	91,361	5,229	6,523	815,438	472,079	1,390,630
2007	96,449	6,210	6,533	909,788	505,913	1,524,893
2008	134,932	9,946	17,752	913,324	502,763	1,578,717
2009	139,447	11,136	10,228	1,002,771	470,722	1,634,305
2010	177,716	15,299	17,956	1,089,695	339,273	1,639,940
2011	172,864	15,747	25,624	1,111,840	356,533	1,682,609
2012	168,580	16,212	18,020	1,134,436	363,779	1,701,026
2013	163,352	16,687	21,112	1,157,490	371,172	1,729,813
2014	159,625	17,183	21,960	1,181,013	378,715	1,758,496
2015	154,665	17,688	22,441	1,205,014	386,411	1,786,220
2016	150,037	18,214	18,616	1,229,503	394,264	1,810,635
2017	148,694	18,761	25,811	1,254,490	402,277	1,850,032
2018	146,450	19,321	19,808	1,279,984	410,452	1,876,016
2019	142,689	19,897	22,717	1,305,997	418,793	1,910,093
2020	139,521	20,492	25,843	1,332,538	427,304	1,945,699
2021	135,489	21,105	24,147	1,359,618	435,988	1,976,347
2022	131,963	21,737	22,358	1,387,249	444,849	2,008,155
2023	132,175	22,393	30,999	1,415,442	453,889	2,054,898
2024	129,137	23,062	23,790	1,444,207	463,113	2,083,310
2025	124,625	23,751	27,284	1,473,557	472,525	2,121,741
2026	123,800	24,465	31,038	1,503,503	482,128	2,164,933
2027	120,335	25,196	29,001	1,534,058	491,926	2,200,516
2028	117,669	25,949	26,853	1,565,234	501,923	2,237,627
Cumulative	1,085,179	117,741	143,265	10,761,455	4,555,208	16,662,848

Annual and Cumulative Revenue Requirement
Eagle 530 MW - High Fuel Sensitivity

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	825,282	499,754	1,325,036
2004	-	-	-	730,555	579,443	1,309,998
2005	7,658	253	191	779,528	626,778	1,414,408
2006	45,602	1,153	3,262	775,350	635,383	1,460,749
2007	52,180	2,015	3,362	866,242	672,166	1,595,965
2008	99,692	6,492	10,764	854,069	670,719	1,641,737
2009	137,913	10,369	10,131	916,631	614,264	1,689,308
2010	133,992	10,672	14,348	1,051,218	515,659	1,725,890
2011	130,924	10,986	20,599	1,073,207	535,653	1,771,370
2012	127,160	11,305	10,391	1,095,657	545,644	1,790,157
2013	123,175	11,636	17,296	1,118,575	555,733	1,826,417
2014	120,502	11,981	20,922	1,141,973	565,912	1,861,290
2015	116,702	12,331	11,436	1,165,861	576,170	1,882,501
2016	113,101	12,696	15,507	1,190,248	586,497	1,918,049
2017	112,079	13,077	20,964	1,215,146	596,879	1,958,144
2018	109,115	13,463	11,980	1,240,564	607,301	1,982,422
2019	106,615	13,865	17,620	1,266,514	617,748	2,022,361
2020	106,684	14,284	22,408	1,293,006	628,200	2,064,583
2021	103,448	14,706	13,735	1,320,053	638,638	2,090,580
2022	99,453	15,143	18,625	1,347,666	649,036	2,129,922
2023	98,761	15,599	25,178	1,375,856	659,370	2,174,764
2024	95,295	16,062	14,388	1,404,636	669,610	2,199,990
2025	93,523	16,544	21,162	1,434,017	679,724	2,244,971
2026	95,437	17,045	26,912	1,464,014	689,674	2,293,083
2027	90,962	17,548	16,496	1,494,638	699,421	2,319,065
2028	87,703	18,070	22,369	1,525,902	676,967	2,331,011
Cumulative	801,989	79,584	105,589	10,399,851	6,142,145	17,529,158

Annual and Cumulative Revenue Requirement
Eagle 530 MW - Low Fuel Sensitivity

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	752,474	491,808	1,244,282
2004	-	-	-	663,058	571,228	1,234,286
2005	7,658	253	191	694,354	620,367	1,322,823
2006	45,602	1,153	3,262	676,361	628,004	1,354,382
2007	52,180	2,015	3,362	748,223	664,567	1,470,346
2008	99,692	6,492	10,764	730,937	663,708	1,511,594
2009	137,913	10,369	10,131	771,979	606,268	1,536,660
2010	133,992	10,672	14,348	871,674	507,079	1,537,765
2011	130,924	10,986	20,599	889,907	526,894	1,579,310
2012	127,160	11,305	10,391	908,522	536,702	1,594,080
2013	123,175	11,636	17,296	927,527	546,604	1,626,238
2014	120,502	11,981	20,922	946,928	556,591	1,656,925
2015	116,702	12,331	11,436	966,736	566,655	1,673,860
2016	113,101	12,696	15,507	986,958	576,782	1,705,044
2017	112,079	13,077	20,964	1,007,603	586,961	1,740,684
2018	109,115	13,463	11,980	1,028,680	597,176	1,760,413
2019	106,615	13,865	17,620	1,050,198	607,411	1,795,708
2020	106,684	14,284	22,408	1,072,165	617,647	1,833,189
2021	103,448	14,706	13,735	1,094,593	627,864	1,854,345
2022	99,453	15,143	18,625	1,117,489	638,037	1,888,746
2023	98,761	15,599	25,178	1,140,864	648,141	1,928,543
2024	95,295	16,062	14,388	1,164,729	658,146	1,948,619
2025	93,523	16,544	21,162	1,189,092	668,019	1,988,341
2026	95,437	17,045	26,912	1,213,966	677,725	2,031,085
2027	90,962	17,548	16,496	1,239,359	687,222	2,051,587
2028	87,703	18,070	22,369	1,265,284	664,512	2,057,938
Cumulative	801,989	79,584	105,589	8,836,661	6,052,784	15,876,606

Annual and Cumulative Revenue Requirement
Eagle 530 MW - Gulfstream Sensitivity

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	773,340	495,061	1,268,401
2004	-	-	-	689,421	574,600	1,264,021
2005	7,658	253	191	731,162	622,446	1,361,710
2006	45,602	1,153	3,262	731,117	630,559	1,411,692
2007	52,180	2,015	3,362	816,021	667,007	1,540,585
2008	99,692	6,492	10,764	818,412	666,365	1,601,726
2009	137,913	10,369	10,131	885,387	609,865	1,653,665
2010	133,992	10,672	14,348	1,000,292	510,066	1,669,370
2011	130,924	10,986	20,599	1,021,216	529,944	1,713,668
2012	127,160	11,305	10,391	1,042,577	539,815	1,731,248
2013	123,175	11,636	17,296	1,064,386	549,782	1,766,276
2014	120,502	11,981	20,922	1,086,650	559,836	1,799,891
2015	116,702	12,331	11,436	1,109,380	569,967	1,819,817
2016	113,101	12,696	15,507	1,132,586	580,164	1,854,054
2017	112,079	13,077	20,964	1,156,277	590,413	1,892,811
2018	109,115	13,463	11,980	1,180,464	600,701	1,915,722
2019	106,615	13,865	17,620	1,205,157	611,010	1,954,266
2020	106,684	14,284	22,408	1,230,366	621,321	1,995,063
2021	103,448	14,706	13,735	1,256,103	631,614	2,019,606
2022	99,453	15,143	18,625	1,282,377	641,866	2,057,464
2023	98,761	15,599	25,178	1,309,202	652,050	2,100,790
2024	95,295	16,062	14,388	1,336,588	662,137	2,124,469
2025	93,523	16,544	21,162	1,364,546	672,094	2,167,870
2026	95,437	17,045	26,912	1,393,089	681,885	2,214,369
2027	90,962	17,548	16,496	1,422,230	691,469	2,238,704
2028	87,703	18,070	22,369	1,451,980	668,848	2,248,969
Cumulative	801,989	79,584	105,589	9,872,485	6,085,098	16,944,744

Annual and Cumulative Revenue Requirement
Eagle 750 MW - High Fuel Sensitivity

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	825,282	513,928	1,339,210
2004	-	-	-	682,640	620,688	1,303,328
2005	-	-	-	724,756	679,900	1,404,656
2006	7,848	269	191	759,094	718,450	1,485,853
2007	50,172	1,457	3,327	802,715	727,736	1,585,407
2008	73,763	4,597	3,424	833,295	743,727	1,658,805
2009	113,213	8,423	11,334	899,469	688,878	1,721,316
2010	109,623	8,665	6,797	1,035,345	592,207	1,752,637
2011	106,487	8,001	11,781	1,057,359	611,182	1,794,811
2012	103,464	8,233	13,167	1,079,840	622,361	1,827,066
2013	100,260	8,472	7,505	1,102,800	633,621	1,852,658
2014	97,077	8,719	13,996	1,126,249	644,946	1,890,987
2015	94,747	8,975	11,643	1,150,195	656,323	1,921,883
2016	91,270	9,236	8,164	1,174,651	667,733	1,951,055
2017	88,544	9,509	12,349	1,199,627	679,158	1,989,187
2018	87,385	9,792	13,255	1,225,134	690,575	2,026,141
2019	84,993	10,081	8,475	1,251,183	701,959	2,056,691
2020	83,421	10,382	14,090	1,277,786	713,284	2,098,963
2021	82,030	10,691	13,959	1,304,955	724,517	2,136,152
2022	78,000	11,004	9,805	1,332,702	735,626	2,167,136
2023	75,030	11,332	14,806	1,361,038	746,570	2,208,776
2024	74,471	11,672	15,920	1,389,977	757,308	2,249,348
2025	72,032	12,018	10,152	1,419,531	767,792	2,281,525
2026	70,905	12,379	16,922	1,449,714	777,969	2,327,889
2027	70,154	12,748	16,737	1,480,538	787,779	2,367,956
2028	65,421	13,123	11,776	1,512,018	751,942	2,354,279
Cumulative	619,996	58,208	70,073	10,161,116	6,832,006	17,741,399

Annual and Cumulative Revenue Requirement
Eagle 750 MW - Low Fuel Sensitivity

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	752,474	505,982	1,258,456
2004	-	-	-	621,048	613,600	1,234,648
2005	-	-	-	649,911	673,795	1,323,706
2006	7,848	269	191	669,310	710,510	1,388,129
2007	50,172	1,457	3,327	698,067	720,054	1,473,077
2008	73,763	4,597	3,424	720,059	735,417	1,537,259
2009	113,213	8,423	11,334	764,666	679,134	1,576,769
2010	109,623	8,665	6,797	863,952	581,795	1,570,832
2011	106,487	8,001	11,781	882,321	600,549	1,609,140
2012	103,464	8,233	13,167	901,082	611,502	1,637,448
2013	100,260	8,472	7,505	920,241	622,530	1,659,008
2014	97,077	8,719	13,996	939,807	633,620	1,693,219
2015	94,747	8,975	11,643	959,790	644,756	1,719,910
2016	91,270	9,236	8,164	980,197	655,920	1,744,788
2017	88,544	9,509	12,349	1,001,038	667,094	1,778,534
2018	87,385	9,792	13,255	1,022,323	678,254	1,811,009
2019	84,993	10,081	8,475	1,044,060	689,377	1,836,985
2020	83,421	10,382	14,090	1,066,259	700,434	1,874,585
2021	82,030	10,691	13,959	1,088,930	711,394	1,907,004
2022	78,000	11,004	9,805	1,112,083	722,223	1,933,116
2023	75,030	11,332	14,806	1,135,729	732,883	1,969,779
2024	74,471	11,672	15,920	1,159,877	743,330	2,005,270
2025	72,032	12,018	10,152	1,184,539	753,516	2,032,258
2026	70,905	12,379	16,922	1,209,725	763,390	2,073,321
2027	70,154	12,748	16,737	1,235,447	772,890	2,107,976
2028	65,421	13,123	11,776	1,261,715	736,736	2,088,771
Cumulative	619,996	58,208	70,073	8,683,974	6,730,570	16,162,821

Annual and Cumulative Revenue Requirement
Eagle 750 MW - Gulfstream Sensitivity

Year	Capital	Fixed O&M	Variable O&M	Fuel	Purchased Power	Total
2003	-	-	-	773,340	509,235	1,282,575
2004	-	-	-	647,704	616,540	1,264,244
2005	-	-	-	683,307	675,858	1,359,165
2006	7,848	269	191	710,901	712,919	1,432,129
2007	50,172	1,457	3,327	761,248	722,588	1,538,792
2008	73,763	4,597	3,424	789,568	738,325	1,609,676
2009	113,213	8,423	11,334	858,264	682,951	1,674,184
2010	109,623	8,665	6,797	972,755	585,542	1,683,383
2011	106,487	8,001	11,781	993,438	604,375	1,724,084
2012	103,464	8,233	13,167	1,014,561	615,410	1,754,835
2013	100,260	8,472	7,505	1,036,133	626,521	1,778,891
2014	97,077	8,719	13,996	1,058,164	637,696	1,815,652
2015	94,747	8,975	11,643	1,080,663	648,919	1,844,946
2016	91,270	9,236	8,164	1,103,640	660,172	1,872,482
2017	88,544	9,509	12,349	1,127,106	671,435	1,908,944
2018	87,385	9,792	13,255	1,151,071	682,688	1,944,192
2019	84,993	10,081	8,475	1,175,546	693,905	1,972,999
2020	83,421	10,382	14,090	1,200,541	705,058	2,013,491
2021	82,030	10,691	13,959	1,226,067	716,117	2,048,863
2022	78,000	11,004	9,805	1,252,136	727,046	2,077,992
2023	75,030	11,332	14,806	1,278,759	737,809	2,117,736
2024	74,471	11,672	15,920	1,305,949	748,360	2,156,372
2025	72,032	12,018	10,152	1,333,717	758,654	2,186,573
2026	70,905	12,379	16,922	1,362,075	768,636	2,230,917
2027	70,154	12,748	16,737	1,391,035	778,248	2,268,923
2028	65,421	13,123	11,776	1,420,612	742,208	2,253,140
Cumulative	619,996	58,208	70,073	9,566,619	6,767,311	17,082,206

24. Refer to page 14 of John B. Crisp's direct testimony. Provide the unit dispatch order under the "Base Expansion Plan" at the time of summer and winter peak for the years 2003-2008.

Answer:

Attached.

24. Refer to page 14 of John B. Crisp's direct testimony. Provide the unit dispatch order under the "Base Expansion Plan" at the time of summer and winter peak for the years 2003-2008.

DISPATCH LAMBDA AND BID PRICE DIAGNOSTIC

GAF DIAGNOSTIC # 11

YEAR: 2003 SEASON: 1 JANUARY

PLANT NAME	UNIT #	INDEX #	SEG #	FUEL $/MWH	VAR O&M	FUEL AUX COST	EMISS. ADDER	TOTAL $/MWH	PEN. FACT.	COST $/MWH	BID PRICE $/MWH
ANCLOTE	1	1	1	25.33	0.16	0.93	0.00	26.43	1.00	26.43	@
ANCLOTE	1	1	2	23.66	0.16	0.87	0.00	24.70	1.00	24.70	
ANCLOTE	2	2	1	25.39	0.16	0.94	0.00	26.49	1.00	26.49	@
ANCLOTE	2	2	2	23.51	0.16	0.87	0.00	24.53	1.00	24.53	
BARTOW	1	3	1	23.68	2.63	0.00	0.00	26.32	1.00	26.32	@
BARTOW	1	3	2	21.67	2.63	0.00	0.00	24.30	1.00	24.30	
BARTOW	2	4	1	24.18	2.63	0.00	0.00	26.81	1.00	26.81	@
BARTOW	2	4	2	22.28	2.63	0.00	0.00	24.92	1.00	24.92	
BARTOW	3	5	1	22.65	2.63	0.00	0.00	25.29	1.00	25.29	@
BARTOW	3	5	2	21.25	2.63	0.00	0.00	23.89	1.00	23.89	
CRYSTAL	1	6	1	15.24	0.03	0.00	0.00	15.27	1.00	15.27	@
CRYSTAL	1	6	2	13.63	0.03	0.00	0.00	13.66	1.00	13.66	
CRYSTAL	2	7	1	14.99	0.03	0.00	0.00	15.02	1.00	15.02	@
CRYSTAL	2	7	2	13.98	0.03	0.00	0.00	14.01	1.00	14.01	
CR NUC	3	8	1	3.52	0.00	0.00	0.00	3.52	1.00	3.52	
CR NUC	3	8	2	3.81	0.00	0.00	0.00	3.81	1.00	3.81	
CRYSTAL	4	9	1	16.75	0.06	0.11	0.00	16.92	1.00	16.92	@
CRYSTAL	4	9	2	15.40	0.06	0.10	0.00	15.56	1.00	15.56	
CRYSTAL	5	10	1	15.62	0.06	0.00	0.00	15.68	1.00	15.68	@
CRYSTAL	5	10	2	14.36	0.06	0.00	0.00	14.42	1.00	14.42	
HINES	11	11	1	18.78	0.00	0.69	0.00	19.47	1.00	19.47	@
HINES	11	11	2	18.15	0.00	0.67	0.00	18.82	1.00	18.82	
HINES	12	12	1	18.78	0.00	0.69	0.00	19.47	1.00	19.47	@
HINES	12	12	2	18.15	0.00	0.67	0.00	18.82	1.00	18.82	
SUWANNEE	1	13	1	31.55	0.19	6.99	0.00	38.72	1.00	38.72	@
SUWANNEE	1	13	2	30.12	0.19	6.67	0.00	36.98	1.00	36.98	
SUWANNEE	2	14	1	32.54	0.19	7.20	0.00	39.93	1.00	39.93	@
SUWANNEE	2	14	2	27.77	0.19	6.15	0.00	34.11	1.00	34.11	
SUWANNEE	3	15	1	28.53	0.19	6.32	0.00	35.03	1.00	35.03	@
SUWANNEE	3	15	2	27.42	0.19	6.07	0.00	33.68	1.00	33.68	
TIGERBAY	1	16	1	18.67	0.25	0.72	0.00	19.64	1.00	19.64	@
TIGERBAY	1	16	2	15.21	0.25	0.59	0.00	16.05	1.00	16.05	
UNIVERS	1	17	1	25.34	0.78	1.87	0.00	27.99	1.00	27.99	
PAVON PK	1	18	1	39.69	4.93	1.46	0.00	46.08	1.00	46.08	@
PAVON PK	1	18	2	26.75	4.93	0.99	0.00	32.67	1.00	32.67	
PAVON PK	2	19	1	69.86	8.09	0.00	0.00	77.95	1.00	77.95	@
PAVON PK	2	19	2	47.08	8.09	0.00	0.00	55.17	1.00	55.17	
PBARTOW	1	20	1	60.97	6.77	0.00	0.00	67.73	1.00	67.73	@
PBARTOW	1	20	2	47.07	6.77	0.00	0.00	53.83	1.00	53.83	
PBARTOW	2	21	1	37.02	2.30	1.37	0.00	40.68	1.00	40.68	@
PBARTOW	2	21	2	30.14	2.30	1.11	0.00	33.56	1.00	33.56	
PBARTOW	3	22	1	61.58	6.79	0.00	0.00	68.37	1.00	68.37	@
PBARTOW	3	22	2	47.90	6.79	0.00	0.00	54.69	1.00	54.69	
PBARTOW	4	23	1	35.10	2.30	1.30	0.00	38.69	1.00	38.69	@
PBARTOW	4	23	2	27.02	2.30	1.00	0.00	30.32	1.00	30.32	
PBAYBORO	1	24	1	62.24	5.98	0.00	0.00	68.22	1.00	68.22	@
PBAYBORO	1	24	2	49.76	5.98	0.00	0.00	55.74	1.00	55.74	
PBAYBORO	2	25	1	65.08	6.10	0.00	0.00	71.18	1.00	71.18	@
PBAYBORO	2	25	2	50.47	6.10	0.00	0.00	56.57	1.00	56.57	
PBAYBORO	3	26	1	60.55	5.91	0.00	0.00	66.46	1.00	66.46	@
PBAYBORO	3	26	2	48.29	5.91	0.00	0.00	54.20	1.00	54.20	
PBAYBORO	4	27	1	61.43	5.95	0.00	0.00	67.37	1.00	67.37	@
PBAYBORO	4	27	2	48.51	5.95	0.00	0.00	54.46	1.00	54.46	
DEBARY	1	28	1	57.29	7.19	0.00	0.00	64.48	1.00	64.48	@
DEBARY	1	28	2	46.58	7.19	0.00	0.00	53.77	1.00	53.77	

* DEBARY	2	29	1	55.19	7.06	0.00	0.00	62.25	1.00	62.25 @	*
* DEBARY	2	29	2	44.92	7.06	0.00	0.00	51.98	1.00	51.98	*
* DEBARY	3	30	1	57.50	7.21	0.00	0.00	64.72	1.00	64.72 @	*
* DEBARY	3	30	2	46.39	7.21	0.00	0.00	53.60	1.00	53.60	•
* DEBARY	4	31	1	59.34	7.33	0.00	0.00	66.66	1.00	66.66 @	*
• DEBARY	4	31	2	48.85	7.33	0.00	0.00	56.18	1.00	56.18	*
* DEBARY	5	32	1	58.89	7.30	0.00	0.00	66.18	1.00	66.18 @	*
* DEBARY	5	32	2	47.84	7.30	0.00	0.00	55.13	1.00	55.13	*
* DEBARY	6	33	1	56.26	7.13	0.00	0.00	63.39	1.00	63.39 @	*
* DEBARY	6	33	2	46.02	7.13	0.00	0.00	53.15	1.00	53.15	*
* DEBARY	7	34	1	33.15	1.57	1.22	0.00	35.94	1.00	35.94 @	*
* DEBARY	7	34	2	28.09	1.57	1.04	0.00	30.69	1.00	30.69	*
* DEBARY	8	35	1	33.14	1.57	1.22	0.00	35.94	1.00	35.94 @	*
* DEBARY	8	35	2	27.94	1.57	1.03	0.00	30.54	1.00	30.54	*
* DEBARY	9	36	1	33.14	1.57	1.22	0.00	35.94	1.00	35.94 @	*
* DEBARY	9	36	2	27.94	1.57	1.03	0.00	30.54	1.00	30.54	*
* DEBARY	10	37	1	58.03	5.73	0.00	0.00	63.76	1.00	63.76 @	*
* DEBARY	10	37	2	50.32	5.73	0.00	0.00	56.05	1.00	56.05	*
* PHIGGINS	1	38	1	42.56	4.64	1.57	0.00	48.77	1.00	48.77 @	*
* PHIGGINS	1	38	2	30.45	4.64	1.12	0.00	36.21	1.00	36.21	*
* PHIGGINS	2	39	1	42.47	4.64	1.57	0.00	48.68	1.00	48.68 @	*
* PHIGGINS	2	39	2	30.72	4.64	1.13	0.00	36.49	1.00	36.49	*
* PHIGGINS	3	40	1	40.52	4.01	1.50	0.00	46.03	1.00	46.03 @	*
* PHIGGINS	3	40	2	29.54	4.01	1.09	0.00	34.64	1.00	34.64	*
• PHIGGINS	4	41	1	40.98	4.01	1.51	0.00	46.50	1.00	46.50 @	*
* PHIGGINS	4	41	2	30.17	4.01	1.11	0.00	35.29	1.00	35.29	*
* INT CITY	1	42	1	59.14	4.86	0.00	0.00	64.00	1.00	64.00 @	*
* INT CITY	1	42	2	47.37	4.86	0.00	0.00	52.24	1.00	52.24	*
* INT CITY	2	43	1	65.96	5.03	0.00	0.00	70.99	1.00	70.99 @	*
* INT CITY	2	43	2	57.84	5.03	0.00	0.00	62.87	1.00	62.87	*
* INT CITY	3	44	1	59.03	4.86	0.00	0.00	63.90	1.00	63.90 @	*
* INT CITY	3	44	2	46.17	4.86	0.00	0.00	51.03	1.00	51.03	*
* INT CITY	4	45	1	62.06	4.94	0.00	0.00	67.00	1.00	67.00 @	*
* INT CITY	4	45	2	51.83	4.94	0.00	0.00	56.77	1.00	56.77	*
* INT CITY	5	46	1	58.32	4.84	0.00	0.00	63.17	1.00	63.17 @	*
* INT CITY	5	46	2	44.12	4.84	0.00	0.00	48.96	1.00	48.96	*
* INT CITY	6	47	1	59.37	4.87	0.00	0.00	64.25	1.00	64.25 @	*
* INT CITY	6	47	2	46.79	4.87	0.00	0.00	51.66	1.00	51.66	*
• INT CITY	7	48	1	33.32	1.83	1.23	0.00	36.37	1.00	36.37 @	*
* INT CITY	7	48	2	28.36	1.83	1.05	0.00	31.24	1.00	31.24	*
* INT CITY	8	49	1	32.86	1.83	1.21	0.00	35.90	1.00	35.90 @	*
* INT CITY	8	49	2	27.91	1.83	1.03	0.00	30.77	1.00	30.77	*
* INT CITY	9	50	1	33.30	1.83	1.23	0.00	36.36	1.00	36.36 @	*
* INT CITY	9	50	2	28.36	1.83	1.05	0.00	31.23	1.00	31.23	*
* INT CITY	10	51	1	33.39	1.83	1.23	0.00	36.45	1.00	36.45 @	*
* INT CITY	10	51	2	28.52	1.83	1.05	0.00	31.41	1.00	31.41	*
* INT CITY	11	52	1	53.70	6.33	0.00	0.00	60.03	1.00	60.03 @	*
* INT CITY	11	52	2	51.70	6.33	0.00	0.00	58.03	1.00	58.03	*
* PINAR	1	53	1	76.81	11.39	0.00	0.00	88.19	1.00	88.19 @	*
* PINAR	1	53	2	50.47	11.39	0.00	0.00	61.86	1.00	61.86	*
* P SWAN	1	54	1	33.01	3.42	7.31	0.00	43.74	1.00	43.74 @	*
* P SWAN	1	54	2	25.04	3.42	5.54	0.00	34.00	1.00	34.00	*
* P SWAN	2	55	1	33.01	3.42	7.31	0.00	43.74	1.00	43.74 @	*
* P SWAN	2	55	2	25.04	3.42	5.54	0.00	34.00	1.00	34.00	*
* P SWAN	3	56	1	33.01	3.42	7.31	0.00	43.74	1.00	43.74 @	*
* P SWAN	3	56	2	25.56	3.42	5.66	0.00	34.63	1.00	34.63	*
* PTURNER	1	57	1	80.31	14.00	0.00	0.00	94.31	1.00	94.31 @	*
* PTURNER	1	57	2	55.64	14.00	0.00	0.00	69.64	1.00	69.64	*
* PTURNER	2	58	1	77.92	13.85	0.00	0.00	91.78	1.00	91.78 @	*
* PTURNER	2	58	2	51.29	13.85	0.00	0.00	65.14	1.00	65.14	*
* PTURNER	3	59	1	62.21	8.01	0.00	0.00	70.22	1.00	70.22 @	*
* PTURNER	3	59	2	49.35	8.01	0.00	0.00	57.36	1.00	57.36	*
* PTURNER	4	60	1	63.88	8.11	0.00	0.00	71.99	1.00	71.99 @	*
* PTURNER	4	60	2	50.37	8.11	0.00	0.00	58.48	1.00	58.48	*
* INT CITY	12	61	1	33.30	1.83	1.23	0.00	36.36	1.00	36.36 @	*
* INT CITY	12	61	2	28.36	1.83	1.05	0.00	31.23	1.00	31.23	*
* INT CITY	13	62	1	33.30	1.83	1.23	0.00	36.36	1.00	36.36 @	*
* INT CITY	13	62	2	28.36	1.83	1.05	0.00	31.23	1.00	31.23	*
* INT CITY	14	63	1	33.30	1.83	1.23	0.00	36.36	1.00	36.36 @	*
* INT CITY	14	63	2	28.36	1.83	1.05	0.00	31.23	1.00	31.23	*
* MILL UPS	1	70	1	14.60	0.00	0.00	0.00	14.60	1.00	14.60	*
* MILL UPS	1	70	2	14.60	0.00	0.00	0.00	14.60	1.00	14.60	*
* TECO	1	71	1	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* TECO	1	71	2	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
*											*
* NOTE: A DISPATCH LAMBDA FOLLOWED BY @ REPRESENTS THE MOST EFFICIENT SEGMENT. THIS IS A											*

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*        RESULT OF THE MOST EFFICIENT HEAT RATE SWITCH.                                                *
*                                                                                                      *
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DISPATCH LAMBDA AND BID PRICE DIAGNOSTIC

GAF DIAGNOSTIC # 11

YEAR: 2003 SEASON: 8 AUGUST

PLANT NAME	UNIT #	INDEX #	SEG #	FUEL $/MWH	VAR O&M	FUEL AUX COST	EMISS. ADDER	TOTAL $/MWH	PEN. FACT.	COST $/MWH	BID PRICE $/MWH
ANCLOTE	1	1	1	25.41	0.16	0.94	0.00	26.51	1.00	26.51	@
ANCLOTE	1	1	2	23.66	0.16	0.87	0.00	24.70	1.00	24.70	
ANCLOTE	2	2	1	25.50	0.16	0.94	0.00	26.60	1.00	26.60	@
ANCLOTE	2	2	2	23.51	0.16	0.87	0.00	24.53	1.00	24.53	
BARTOW	1	3	1	23.72	2.63	0.00	0.00	26.35	1.00	26.35	@
BARTOW	1	3	2	21.67	2.63	0.00	0.00	24.30	1.00	24.30	
BARTOW	2	4	1	24.21	2.63	0.00	0.00	26.84	1.00	26.84	@
BARTOW	2	4	2	22.28	2.63	0.00	0.00	24.92	1.00	24.92	
BARTOW	3	5	1	22.68	2.63	0.00	0.00	25.31	1.00	25.31	@
BARTOW	3	5	2	21.25	2.63	0.00	0.00	23.89	1.00	23.89	
CRYSTAL	1	6	1	15.26	0.03	0.00	0.00	15.29	1.00	15.29	@
CRYSTAL	1	6	2	13.63	0.03	0.00	0.00	13.66	1.00	13.66	
CRYSTAL	2	7	1	15.00	0.03	0.00	0.00	15.03	1.00	15.03	@
CRYSTAL	2	7	2	13.98	0.03	0.00	0.00	14.01	1.00	14.01	
CR NUC	3	8	1	3.52	0.00	0.00	0.00	3.52	1.00	3.52	
CR NUC	3	8	2	3.81	0.00	0.00	0.00	3.81	1.00	3.81	
CRYSTAL	4	9	1	16.77	0.06	0.11	0.00	16.94	1.00	16.94	@
CRYSTAL	4	9	2	15.40	0.06	0.10	0.00	15.56	1.00	15.56	
CRYSTAL	5	10	1	15.64	0.06	0.00	0.00	15.70	1.00	15.70	@
CRYSTAL	5	10	2	14.36	0.06	0.00	0.00	14.42	1.00	14.42	
HINES	11	11	1	18.84	0.00	0.70	0.00	19.54	1.00	19.54	@
HINES	11	11	2	18.15	0.00	0.67	0.00	18.82	1.00	18.82	
HINES	12	12	1	18.84	0.00	0.70	0.00	19.54	1.00	19.54	@
HINES	12	12	2	18.15	0.00	0.67	0.00	18.82	1.00	18.82	
SUWANNEE	1	13	1	31.59	0.19	7.00	0.00	38.78	1.00	38.78	@
SUWANNEE	1	13	2	30.12	0.19	6.67	0.00	36.98	1.00	36.98	
SUWANNEE	2	14	1	32.69	0.19	7.24	0.00	40.12	1.00	40.12	@
SUWANNEE	2	14	2	27.77	0.19	6.15	0.00	34.11	1.00	34.11	
SUWANNEE	3	15	1	28.54	0.19	6.32	0.00	35.05	1.00	35.05	@
SUWANNEE	3	15	2	27.42	0.19	6.07	0.00	33.68	1.00	33.68	
TIGERBAY	1	16	1	18.93	0.25	0.73	0.00	19.92	1.00	19.92	@
TIGERBAY	1	16	2	15.21	0.25	0.59	0.00	16.05	1.00	16.05	
UNIVERS	1	17	1	25.34	0.78	1.87	0.00	27.99	1.00	27.99	
PAVON PK	1	18	1	42.67	4.93	1.57	0.00	49.18	1.00	49.18	@
PAVON PK	1	18	2	26.75	4.93	0.99	0.00	32.67	1.00	32.67	
PAVON PK	2	19	1	75.11	8.09	0.00	0.00	83.20	1.00	83.20	@
PAVON PK	2	19	2	47.08	8.09	0.00	0.00	55.17	1.00	55.17	
PBARTOW	1	20	1	63.08	6.77	0.00	0.00	69.85	1.00	69.85	@
PBARTOW	1	20	2	47.07	6.77	0.00	0.00	53.83	1.00	53.83	
PBARTOW	2	21	1	38.06	2.30	1.40	0.00	41.77	1.00	41.77	@
PBARTOW	2	21	2	30.14	2.30	1.11	0.00	33.56	1.00	33.56	
PBARTOW	3	22	1	63.67	6.79	0.00	0.00	70.45	1.00	70.45	@
PBARTOW	3	22	2	47.90	6.79	0.00	0.00	54.69	1.00	54.69	
PBARTOW	4	23	1	36.91	2.30	1.36	0.00	40.57	1.00	40.57	@
PBARTOW	4	23	2	27.02	2.30	1.00	0.00	30.32	1.00	30.32	
PBAYBORO	1	24	1	65.50	5.98	0.00	0.00	71.47	1.00	71.47	@
PBAYBORO	1	24	2	49.76	5.98	0.00	0.00	55.74	1.00	55.74	
PBAYBORO	2	25	1	68.88	6.10	0.00	0.00	74.98	1.00	74.98	@
PBAYBORO	2	25	2	50.47	6.10	0.00	0.00	56.57	1.00	56.57	
PBAYBORO	3	26	1	63.75	5.91	0.00	0.00	69.66	1.00	69.66	@
PBAYBORO	3	26	2	48.29	5.91	0.00	0.00	54.20	1.00	54.20	
PBAYBORO	4	27	1	64.80	5.95	0.00	0.00	70.74	1.00	70.74	@
PBAYBORO	4	27	2	48.51	5.95	0.00	0.00	54.46	1.00	54.46	
DEBARY	1	28	1	59.47	7.19	0.00	0.00	66.66	1.00	66.66	@
DEBARY	1	28	2	46.58	7.19	0.00	0.00	53.77	1.00	53.77	
DEBARY	2	29	1	57.28	7.06	0.00	0.00	64.34	1.00	64.34	@
DEBARY	2	29	2	44.92	7.06	0.00	0.00	51.98	1.00	51.98	
DEBARY	3	30	1	59.77	7.21	0.00	0.00	66.98	1.00	66.98	@
DEBARY	3	30	2	46.39	7.21	0.00	0.00	53.60	1.00	53.60	
DEBARY	4	31	1	61.47	7.33	0.00	0.00	68.80	1.00	68.80	@
DEBARY	4	31	2	48.85	7.33	0.00	0.00	56.18	1.00	56.18	
DEBARY	5	32	1	61.14	7.30	0.00	0.00	68.44	1.00	68.44	@
DEBARY	5	32	2	47.84	7.30	0.00	0.00	55.13	1.00	55.13	
DEBARY	6	33	1	58.35	7.13	0.00	0.00	65.48	1.00	65.48	@
DEBARY	6	33	2	46.02	7.13	0.00	0.00	53.15	1.00	53.15	

* DEBARY	7	34	1	33.62	1.57	1.24	0.00	36.43	1.00	36.43 @	*
* DEBARY	7	34	2	28.09	1.57	1.04	0.00	30.69	1.00	30.69	*
* DEBARY	8	35	1	33.63	1.57	1.24	0.00	36.44	1.00	36.44 @	*
* DEBARY	8	35	2	27.94	1.57	1.03	0.00	30.54	1.00	30.54	*
* DEBARY	9	36	1	33.63	1.57	1.24	0.00	36.44	1.00	36.44 @	*
* DEBARY	9	36	2	27.94	1.57	1.03	0.00	30.54	1.00	30.54	*
* DEBARY	10	37	1	58.86	5.73	0.00	0.00	64.59	1.00	64.59 @	*
* DEBARY	10	37	2	50.32	5.73	0.00	0.00	56.05	1.00	56.05	*
* PHIGGINS	1	38	1	44.81	4.64	1.65	0.00	51.10	1.00	51.10 @	*
* PHIGGINS	1	38	2	30.45	4.64	1.12	0.00	36.21	1.00	36.21	*
* PHIGGINS	2	39	1	44.64	4.64	1.65	0.00	50.93	1.00	50.93 @	*
* PHIGGINS	2	39	2	30.72	4.64	1.13	0.00	36.49	1.00	36.49	*
* PHIGGINS	3	40	1	40.85	4.01	1.51	0.00	46.36	1.00	46.36 @	*
* PHIGGINS	3	40	2	29.54	4.01	1.09	0.00	34.64	1.00	34.64	*
* PHIGGINS	4	41	1	41.29	4.01	1.52	0.00	46.83	1.00	46.83 @	*
* PHIGGINS	4	41	2	30.17	4.01	1.11	0.00	35.29	1.00	35.29	*
* INT CITY	1	42	1	62.02	4.86	0.00	0.00	66.88	1.00	66.88 @	*
* INT CITY	1	42	2	47.37	4.86	0.00	0.00	52.24	1.00	52.24	*
* INT CITY	2	43	1	67.94	5.03	0.00	0.00	72.97	1.00	72.97 @	*
* INT CITY	2	43	2	57.84	5.03	0.00	0.00	62.87	1.00	62.87	*
* INT CITY	3	44	1	62.18	4.86	0.00	0.00	67.05	1.00	67.05 @	*
* INT CITY	3	44	2	46.17	4.86	0.00	0.00	51.03	1.00	51.03	*
* INT CITY	4	45	1	64.57	4.94	0.00	0.00	69.50	1.00	69.50 @	*
* INT CITY	4	45	2	51.83	4.94	0.00	0.00	56.77	1.00	56.77	*
* INT CITY	5	46	1	61.80	4.84	0.00	0.00	66.64	1.00	66.64 @	*
* INT CITY	5	46	2	44.12	4.84	0.00	0.00	48.96	1.00	48.96	*
* INT CITY	6	47	1	62.46	4.87	0.00	0.00	67.33	1.00	67.33 @	*
* INT CITY	6	47	2	46.79	4.87	0.00	0.00	51.66	1.00	51.66	*
* INT CITY	7	48	1	33.65	1.83	1.24	0.00	36.72	1.00	36.72 @	*
* INT CITY	7	48	2	28.36	1.83	1.05	0.00	31.24	1.00	31.24	*
* INT CITY	8	49	1	33.19	1.83	1.22	0.00	36.25	1.00	36.25 @	*
* INT CITY	8	49	2	27.91	1.83	1.03	0.00	30.77	1.00	30.77	*
* INT CITY	9	50	1	33.64	1.83	1.24	0.00	36.71	1.00	36.71 @	*
* INT CITY	9	50	2	28.36	1.83	1.05	0.00	31.23	1.00	31.23	*
* INT CITY	10	51	1	33.72	1.83	1.24	0.00	36.80	1.00	36.80 @	*
* INT CITY	10	51	2	28.52	1.83	1.05	0.00	31.41	1.00	31.41	*
* PINAR	1	53	1	82.89	11.39	0.00	0.00	94.27	1.00	94.27 @	*
* PINAR	1	53	2	50.47	11.39	0.00	0.00	61.86	1.00	61.86	*
* P SWAN	1	54	1	34.75	3.42	7.69	0.00	45.86	1.00	45.86 @	*
* P SWAN	1	54	2	25.04	3.42	5.54	0.00	34.00	1.00	34.00	*
* P SWAN	2	55	1	34.93	3.42	7.73	0.00	46.08	1.00	46.08 @	*
* P SWAN	2	55	2	25.04	3.42	5.54	0.00	34.00	1.00	34.00	*
* P SWAN	3	56	1	34.64	3.42	7.67	0.00	45.72	1.00	45.72 @	*
* P SWAN	3	56	2	25.56	3.42	5.66	0.00	34.63	1.00	34.63	*
* PTURNER	1	57	1	86.00	14.00	0.00	0.00	100.00	1.00	100.00 @	*
* PTURNER	1	57	2	55.64	14.00	0.00	0.00	69.64	1.00	69.64	*
* PTURNER	2	58	1	84.07	13.85	0.00	0.00	97.92	1.00	97.92 @	*
* PTURNER	2	58	2	51.29	13.85	0.00	0.00	65.14	1.00	65.14	*
* PTURNER	3	59	1	65.58	8.01	0.00	0.00	73.59	1.00	73.59 @	*
* PTURNER	3	59	2	49.35	8.01	0.00	0.00	57.36	1.00	57.36	*
* PTURNER	4	60	1	67.52	8.11	0.00	0.00	75.64	1.00	75.64 @	*
* PTURNER	4	60	2	50.37	8.11	0.00	0.00	58.48	1.00	58.48	*
* INT CITY	12	61	1	34.16	1.83	1.26	0.00	37.26	1.00	37.26 @	*
* INT CITY	12	61	2	28.36	1.83	1.05	0.00	31.23	1.00	31.23	*
* INT CITY	13	62	1	34.16	1.83	1.26	0.00	37.26	1.00	37.26 @	*
* INT CITY	13	62	2	28.36	1.83	1.05	0.00	31.23	1.00	31.23	*
* INT CITY	14	63	1	34.16	1.83	1.26	0.00	37.26	1.00	37.26 @	*
* INT CITY	14	63	2	28.36	1.83	1.05	0.00	31.23	1.00	31.23	*
* MILL UPS	1	70	1	14.60	0.00	0.00	0.00	14.60	1.00	14.60	*
* MILL UPS	1	70	2	14.60	0.00	0.00	0.00	14.60	1.00	14.60	*
* TECO	1	71	1	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* TECO	1	71	2	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*

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* NOTE: A DISPATCH LAMBDA FOLLOWED BY @ REPRESENTS THE MOST EFFICIENT SEGMENT. THIS IS A *
* RESULT OF THE MOST EFFICIENT HEAT RATE SWITCH. *

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DISPATCH LAMBDA AND BID PRICE DIAGNOSTIC

GAF DIAGNOSTIC # 11

YEAR: 2004 SEASON: 1 JANUARY

	PLANT NAME	UNIT #	INDEX #	SEG #	FUEL $/MWH	VAR O&M	FUEL AUX COST	EMISS. ADDER	TOTAL $/MWH	PEN. FACT.	COST $/MWH	BID PRICE $/MWH
•	ANCLOTE	1	1	1	26.17	0.16	0.93	0.00	27.27	1.00	27.27	@
*	ANCLOTE	1	1	2	24.45	0.16	0.87	0.00	25.48	1.00	25.48	
*	ANCLOTE	2	2	1	26.24	0.16	0.94	0.00	27.33	1.00	27.33	@
*	ANCLOTE	2	2	2	24.29	0.16	0.87	0.00	25.31	1.00	25.31	•
*	BARTOW	1	3	1	23.88	2.71	0.00	0.00	26.59	1.00	26.59	@
*	BARTOW	1	3	2	21.85	2.71	0.00	0.00	24.56	1.00	24.56	
*	BARTOW	2	4	1	24.38	2.71	0.00	0.00	27.09	1.00	27.09	@
*	BARTOW	2	4	2	22.47	2.71	0.00	0.00	25.18	1.00	25.18	
*	BARTOW	3	5	1	22.84	2.71	0.00	0.00	25.55	1.00	25.55	@
*	BARTOW	3	5	2	21.43	2.71	0.00	0.00	24.14	1.00	24.14	
*	CRYSTAL	1	6	1	15.53	0.03	0.00	0.00	15.56	1.00	15.56	@
*	CRYSTAL	1	6	2	13.89	0.03	0.00	0.00	13.92	1.00	13.92	
*	CRYSTAL	2	7	1	15.27	0.03	0.00	0.00	15.30	1.00	15.30	@
*	CRYSTAL	2	7	2	14.24	0.03	0.00	0.00	14.27	1.00	14.27	
*	CR NUC	3	8	1	3.41	0.00	0.00	0.00	3.41	1.00	3.41	
*	CR NUC	3	8	2	3.69	0.00	0.00	0.00	3.69	1.00	3.69	
*	CRYSTAL	4	9	1	17.03	0.06	0.11	0.00	17.20	1.00	17.20	@
*	CRYSTAL	4	9	2	15.65	0.06	0.10	0.00	15.81	1.00	15.81	
*	CRYSTAL	5	10	1	15.89	0.06	0.00	0.00	15.95	1.00	15.95	@
*	CRYSTAL	5	10	2	14.61	0.06	0.00	0.00	14.67	1.00	14.67	
*	HINES	11	11	1	19.41	0.00	0.69	0.00	20.10	1.00	20.10	@
*	HINES	11	11	2	18.75	0.00	0.67	0.00	19.42	1.00	19.42	
*	HINES	12	12	1	19.41	0.00	0.69	0.00	20.10	1.00	20.10	@
*	HINES	12	12	2	18.75	0.00	0.67	0.00	19.42	1.00	19.42	
*	TIGERBAY	1	16	1	19.39	0.25	0.72	0.00	20.36	1.00	20.36	@
*	TIGERBAY	1	16	2	15.80	0.25	0.59	0.00	16.64	1.00	16.64	
*	UNIVERS	1	17	1	26.18	0.78	1.87	0.00	28.83	1.00	28.83	
*	PAVON PK	1	18	1	41.01	4.93	1.46	0.00	47.40	1.00	47.40	@
*	PAVON PK	1	18	2	27.64	4.93	0.99	0.00	33.55	1.00	33.55	
*	PAVON PK	2	19	1	70.45	8.12	0.00	0.00	78.57	1.00	78.57	@
*	PAVON PK	2	19	2	47.48	8.12	0.00	0.00	55.60	1.00	55.60	
*	PBARTOW	1	20	1	61.48	6.79	0.00	0.00	68.27	1.00	68.27	@
*	PBARTOW	1	20	2	47.47	6.79	0.00	0.00	54.26	1.00	54.26	
*	PBARTOW	2	21	1	38.24	2.30	1.37	0.00	41.91	1.00	41.91	@
*	PBARTOW	2	21	2	31.14	2.30	1.11	0.00	34.56	1.00	34.56	
*	PBARTOW	3	22	1	62.10	6.81	0.00	0.00	68.91	1.00	68.91	@
*	PBARTOW	3	22	2	48.30	6.81	0.00	0.00	55.12	1.00	55.12	
*	PBARTOW	4	23	1	36.26	2.30	1.30	0.00	39.86	1.00	39.86	@
*	PBARTOW	4	23	2	27.92	2.30	1.00	0.00	31.22	1.00	31.22	
*	PBAYBORO	1	24	1	62.77	6.00	0.00	0.00	68.77	1.00	68.77	@
*	PBAYBORO	1	24	2	50.18	6.00	0.00	0.00	56.18	1.00	56.18	
*	PBAYBORO	2	25	1	65.62	6.13	0.00	0.00	71.75	1.00	71.75	@
•	PBAYBORO	2	25	2	50.90	6.13	0.00	0.00	57.03	1.00	57.03	
*	PBAYBORO	3	26	1	61.06	5.93	0.00	0.00	66.99	1.00	66.99	@
*	PBAYBORO	3	26	2	48.70	5.93	0.00	0.00	54.63	1.00	54.63	
*	PBAYBORO	4	27	1	61.94	5.97	0.00	0.00	67.92	1.00	67.92	@
*	PBAYBORO	4	27	2	48.92	5.97	0.00	0.00	54.89	1.00	54.89	
*	DEBARY	1	28	1	57.77	7.23	0.00	0.00	65.00	1.00	65.00	@
*	DEBARY	1	28	2	46.97	7.23	0.00	0.00	54.20	1.00	54.20	
*	DEBARY	2	29	1	55.66	7.09	0.00	0.00	62.75	1.00	62.75	@
*	DEBARY	2	29	2	45.30	7.09	0.00	0.00	52.40	1.00	52.40	
*	DEBARY	3	30	1	57.99	7.25	0.00	0.00	65.24	1.00	65.24	@
*	DEBARY	3	30	2	46.78	7.25	0.00	0.00	54.03	1.00	54.03	
*	DEBARY	4	31	1	59.83	7.36	0.00	0.00	67.20	1.00	67.20	@
*	DEBARY	4	31	2	49.26	7.36	0.00	0.00	56.63	1.00	56.63	
*	DEBARY	5	32	1	59.38	7.33	0.00	0.00	66.72	1.00	66.72	@
*	DEBARY	5	32	2	48.24	7.33	0.00	0.00	55.57	1.00	55.57	
*	DEBARY	6	33	1	56.74	7.17	0.00	0.00	63.90	1.00	63.90	@
*	DEBARY	6	33	2	46.41	7.17	0.00	0.00	53.57	1.00	53.57	
*	DEBARY	7	34	1	34.25	1.57	1.22	0.00	37.04	1.00	37.04	@
*	DEBARY	7	34	2	29.02	1.57	1.04	0.00	31.63	1.00	31.63	
*	DEBARY	8	35	1	34.24	1.57	1.22	0.00	37.04	1.00	37.04	@
*	DEBARY	8	35	2	28.87	1.57	1.03	0.00	31.47	1.00	31.47	
*	DEBARY	9	36	1	34.24	1.57	1.22	0.00	37.04	1.00	37.04	@
*	DEBARY	9	36	2	28.87	1.57	1.03	0.00	31.47	1.00	31.47	

* DEBARY	10	37	1	58.52	5.77	0.00	0.00	64.29	1.00	64.29 @	*
* DEBARY	10	37	2	50.74	5.77	0.00	0.00	56.51	1.00	56.51	*
* PHIGGINS	1	38	1	43.98	4.64	1.57	0.00	50.19	1.00	50.19 @	*
* PHIGGINS	1	38	2	31.46	4.64	1.12	0.00	37.22	1.00	37.22	*
* PHIGGINS	2	39	1	43.88	4.64	1.57	0.00	50.09	1.00	50.09 @	*
* PHIGGINS	2	39	2	31.74	4.64	1.13	0.00	37.51	1.00	37.51	*
* PHIGGINS	3	40	1	41.87	4.01	1.50	0.00	47.37	1.00	47.37 @	*
* PHIGGINS	3	40	2	30.52	4.01	1.09	0.00	35.62	1.00	35.62	*
* PHIGGINS	4	41	1	42.34	4.01	1.51	0.00	47.86	1.00	47.86 @	*
* PHIGGINS	4	41	2	31.17	4.01	1.11	0.00	36.29	1.00	36.29	*
* INT CITY	1	42	1	59.64	4.88	0.00	0.00	64.51	1.00	64.51 @	*
* INT CITY	1	42	2	47.77	4.88	0.00	0.00	52.65	1.00	52.65	*
* INT CITY	2	43	1	66.51	5.05	0.00	0.00	71.56	1.00	71.56 @	*
* INT CITY	2	43	2	58.33	5.05	0.00	0.00	63.37	1.00	63.37	*
* INT CITY	3	44	1	59.53	4.88	0.00	0.00	64.41	1.00	64.41 @	*
* INT CITY	3	44	2	46.56	4.88	0.00	0.00	51.43	1.00	51.43	*
* INT CITY	4	45	1	62.58	4.95	0.00	0.00	67.53	1.00	67.53 @	*
* INT CITY	4	45	2	52.27	4.95	0.00	0.00	57.22	1.00	57.22	*
* INT CITY	5	46	1	58.81	4.86	0.00	0.00	63.67	1.00	63.67 @	*
* INT CITY	5	46	2	44.49	4.86	0.00	0.00	49.35	1.00	49.35	*
* INT CITY	6	47	1	59.87	4.89	0.00	0.00	64.76	1.00	64.76 @	*
* INT CITY	6	47	2	47.18	4.89	0.00	0.00	52.07	1.00	52.07	*
* INT CITY	7	48	1	34.42	1.83	1.23	0.00	37.48	1.00	37.48 @	*
* INT CITY	7	48	2	29.31	1.83	1.05	0.00	32.18	1.00	32.18	*
* INT CITY	8	49	1	33.95	1.83	1.21	0.00	36.99	1.00	36.99 @	*
* INT CITY	8	49	2	28.83	1.83	1.03	0.00	31.69	1.00	31.69	*
* INT CITY	9	50	1	34.41	1.83	1.23	0.00	37.46	1.00	37.46 @	*
* INT CITY	9	50	2	29.30	1.83	1.05	0.00	32.18	1.00	32.18	*
* INT CITY	10	51	1	34.50	1.83	1.23	0.00	37.56	1.00	37.56 @	*
* INT CITY	10	51	2	29.47	1.83	1.05	0.00	32.35	1.00	32.35	*
* INT CITY	11	52	1	54.15	6.34	0.00	0.00	60.50	1.00	60.50 @	*
* INT CITY	11	52	2	52.13	6.34	0.00	0.00	58.48	1.00	58.48	*
* PINAR	1	53	1	77.45	11.42	0.00	0.00	88.88	1.00	88.88 @	*
* PINAR	1	53	2	50.90	11.42	0.00	0.00	62.32	1.00	62.32	*
* P SWAN	1	54	1	34.10	3.42	7.31	0.00	44.83	1.00	44.83 @	*
* P SWAN	1	54	2	25.87	3.42	5.54	0.00	34.84	1.00	34.84	*
* P SWAN	2	55	1	34.10	3.42	7.31	0.00	44.83	1.00	44.83 @	*
* P SWAN	2	55	2	25.87	3.42	5.54	0.00	34.84	1.00	34.84	*
* P SWAN	3	56	1	34.11	3.42	7.31	0.00	44.83	1.00	44.83 @	*
* P SWAN	3	56	2	26.40	3.42	5.66	0.00	35.48	1.00	35.48	*
* PTURNER	1	57	1	80.99	14.04	0.00	0.00	95.03	1.00	95.03 @	*
* PTURNER	1	57	2	56.11	14.04	0.00	0.00	70.15	1.00	70.15	*
* PTURNER	2	58	1	78.58	13.90	0.00	0.00	92.47	1.00	92.47 @	*
* PTURNER	2	58	2	51.72	13.90	0.00	0.00	65.61	1.00	65.61	*
* PTURNER	3	59	1	62.74	8.05	0.00	0.00	70.78	1.00	70.78 @	*
* PTURNER	3	59	2	49.77	8.05	0.00	0.00	57.82	1.00	57.82	*
* PTURNER	4	60	1	64.41	8.15	0.00	0.00	72.56	1.00	72.56 @	*
* PTURNER	4	60	2	50.79	8.15	0.00	0.00	58.94	1.00	58.94	*
* INT CITY	12	61	1	34.41	1.83	1.23	0.00	37.46	1.00	37.46 @	*
* INT CITY	12	61	2	29.30	1.83	1.05	0.00	32.18	1.00	32.18	*
* INT CITY	13	62	1	34.41	1.83	1.23	0.00	37.46	1.00	37.46 @	*
* INT CITY	13	62	2	29.30	1.83	1.05	0.00	32.18	1.00	32.18	*
* INT CITY	14	63	1	34.41	1.83	1.23	0.00	37.46	1.00	37.46 @	*
* INT CITY	14	63	2	29.30	1.83	1.05	0.00	32.18	1.00	32.18	*
* MILL UPS	1	70	1	14.70	0.00	0.00	0.00	14.70	1.00	14.70	*
* MILL UPS	1	70	2	14.70	0.00	0.00	0.00	14.70	1.00	14.70	*
* TECO	1	71	1	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* TECO	1	71	2	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* CCH2 F	600	600	1	19.04	2.36	0.00	0.00	21.40	1.00	21.40 @	*
* CCH2 F	600	600	2	15.98	2.36	0.00	0.00	18.35	1.00	18.35	*

*

* NOTE: A DISPATCH LAMBDA FOLLOWED BY @ REPRESENTS THE MOST EFFICIENT SEGMENT. THIS IS A *
* RESULT OF THE MOST EFFICIENT HEAT RATE SWITCH. *

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DISPATCH LAMBDA AND BID PRICE DIAGNOSTIC

GAF DIAGNOSTIC # 11

YEAR: 2004 SEASON: 8 AUGUST

PLANT NAME	UNIT #	INDEX #	SEG #	FUEL $/MWH	VAR O&M	FUEL AUX COST	EMISS. ADDER	TOTAL $/MWH	PEN. FACT.	COST $/MWH	BID PRICE $/MWH
ANCLOTE	1	1	1	26.26	0.16	0.94	0.00	27.36	1.00	27.36	@
ANCLOTE	1	1	2	24.45	0.16	0.87	0.00	25.48	1.00	25.48	
ANCLOTE	2	2	1	26.34	0.16	0.94	0.00	27.44	1.00	27.44	@
ANCLOTE	2	2	2	24.29	0.16	0.87	0.00	25.31	1.00	25.31	
BARTOW	1	3	1	23.91	2.71	0.00	0.00	26.62	1.00	26.62	@
BARTOW	1	3	2	21.85	2.71	0.00	0.00	24.56	1.00	24.56	
BARTOW	2	4	1	24.41	2.71	0.00	0.00	27.12	1.00	27.12	@
BARTOW	2	4	2	22.47	2.71	0.00	0.00	25.18	1.00	25.18	
BARTOW	3	5	1	22.87	2.71	0.00	0.00	25.58	1.00	25.58	@
BARTOW	3	5	2	21.43	2.71	0.00	0.00	24.14	1.00	24.14	
CRYSTAL	1	6	1	15.54	0.03	0.00	0.00	15.57	1.00	15.57	@
CRYSTAL	1	6	2	13.89	0.03	0.00	0.00	13.92	1.00	13.92	
CRYSTAL	2	7	1	15.28	0.03	0.00	0.00	15.31	1.00	15.31	@
CRYSTAL	2	7	2	14.24	0.03	0.00	0.00	14.27	1.00	14.27	
CR NUC	3	8	1	3.41	0.00	0.00	0.00	3.41	1.00	3.41	
CR NUC	3	8	2	3.69	0.00	0.00	0.00	3.69	1.00	3.69	
CRYSTAL	4	9	1	17.04	0.06	0.11	0.00	17.22	1.00	17.22	@
CRYSTAL	4	9	2	15.65	0.06	0.10	0.00	15.81	1.00	15.81	
CRYSTAL	5	10	1	15.92	0.06	0.00	0.00	15.98	1.00	15.98	@
CRYSTAL	5	10	2	14.61	0.06	0.00	0.00	14.67	1.00	14.67	
HINES	11	11	1	19.47	0.00	0.70	0.00	20.16	1.00	20.16	@
HINES	11	11	2	18.75	0.00	0.67	0.00	19.42	1.00	19.42	
HINES	12	12	1	19.47	0.00	0.70	0.00	20.16	1.00	20.16	@
HINES	12	12	2	18.75	0.00	0.67	0.00	19.42	1.00	19.42	
TIGERBAY	1	16	1	19.67	0.25	0.73	0.00	20.65	1.00	20.65	@
TIGERBAY	1	16	2	15.80	0.25	0.59	0.00	16.64	1.00	16.64	
UNIVERS	1	17	1	26.18	0.78	1.87	0.00	28.83	1.00	28.83	
PAVON PK	1	18	1	44.09	4.93	1.57	0.00	50.60	1.00	50.60	@
PAVON PK	1	18	2	27.64	4.93	0.99	0.00	33.55	1.00	33.55	
PAVON PK	2	19	1	75.75	8.12	0.00	0.00	83.87	1.00	83.87	@
PAVON PK	2	19	2	47.48	8.12	0.00	0.00	55.60	1.00	55.60	
PBARTOW	1	20	1	63.61	6.79	0.00	0.00	70.41	1.00	70.41	@
PBARTOW	1	20	2	47.47	6.79	0.00	0.00	54.26	1.00	54.26	
PBARTOW	2	21	1	39.33	2.30	1.40	0.00	43.03	1.00	43.03	@
PBARTOW	2	21	2	31.14	2.30	1.11	0.00	34.56	1.00	34.56	
PBARTOW	3	22	1	64.20	6.81	0.00	0.00	71.01	1.00	71.01	@
PBARTOW	3	22	2	48.30	6.81	0.00	0.00	55.12	1.00	55.12	
PBARTOW	4	23	1	38.14	2.30	1.36	0.00	41.80	1.00	41.80	@
PBARTOW	4	23	2	27.92	2.30	1.00	0.00	31.22	1.00	31.22	
PBAYBORO	1	24	1	66.05	6.00	0.00	0.00	72.05	1.00	72.05	@
PBAYBORO	1	24	2	50.18	6.00	0.00	0.00	56.18	1.00	56.18	
PBAYBORO	2	25	1	69.46	6.13	0.00	0.00	75.59	1.00	75.59	@
PBAYBORO	2	25	2	50.90	6.13	0.00	0.00	57.03	1.00	57.03	
PBAYBORO	3	26	1	64.29	5.93	0.00	0.00	70.22	1.00	70.22	@
PBAYBORO	3	26	2	48.70	5.93	0.00	0.00	54.63	1.00	54.63	
PBAYBORO	4	27	1	65.34	5.97	0.00	0.00	71.31	1.00	71.31	@
PBAYBORO	4	27	2	48.92	5.97	0.00	0.00	54.89	1.00	54.89	
DEBARY	1	28	1	59.97	7.23	0.00	0.00	67.20	1.00	67.20	@
DEBARY	1	28	2	46.97	7.23	0.00	0.00	54.20	1.00	54.20	
DEBARY	2	29	1	57.77	7.09	0.00	0.00	64.86	1.00	64.86	@
DEBARY	2	29	2	45.30	7.09	0.00	0.00	52.40	1.00	52.40	
DEBARY	3	30	1	60.27	7.25	0.00	0.00	67.52	1.00	67.52	@
DEBARY	3	30	2	46.78	7.25	0.00	0.00	54.03	1.00	54.03	
DEBARY	4	31	1	61.99	7.36	0.00	0.00	69.35	1.00	69.35	@
DEBARY	4	31	2	49.26	7.36	0.00	0.00	56.63	1.00	56.63	
DEBARY	5	32	1	61.65	7.33	0.00	0.00	68.99	1.00	68.99	@
DEBARY	5	32	2	48.24	7.33	0.00	0.00	55.57	1.00	55.57	
DEBARY	6	33	1	58.84	7.17	0.00	0.00	66.01	1.00	66.01	@
DEBARY	6	33	2	46.41	7.17	0.00	0.00	53.57	1.00	53.57	
DEBARY	7	34	1	34.74	1.57	1.24	0.00	37.55	1.00	37.55	@
DEBARY	7	34	2	29.02	1.57	1.04	0.00	31.63	1.00	31.63	
DEBARY	8	35	1	34.75	1.57	1.24	0.00	37.56	1.00	37.56	@
DEBARY	8	35	2	28.87	1.57	1.03	0.00	31.47	1.00	31.47	
DEBARY	9	36	1	34.75	1.57	1.24	0.00	37.56	1.00	37.56	@
DEBARY	9	36	2	28.87	1.57	1.03	0.00	31.47	1.00	31.47	

* DEBARY	10	37	1	59.35	5.77	0.00	0.00	65.12	1.00	65.12 @	*
* DEBARY	10	37	2	50.74	5.77	0.00	0.00	56.51	1.00	56.51	*
* PHIGGINS	1	38	1	46.29	4.64	1.65	0.00	52.59	1.00	52.59 @	*
* PHIGGINS	1	38	2	31.46	4.64	1.12	0.00	37.22	1.00	37.22	*
* PHIGGINS	2	39	1	46.13	4.64	1.65	0.00	52.41	1.00	52.41 @	*
* PHIGGINS	2	39	2	31.74	4.64	1.13	0.00	37.51	1.00	37.51	*
* PHIGGINS	3	40	1	42.20	4.01	1.51	0.00	47.72	1.00	47.72 @	*
* PHIGGINS	3	40	2	30.52	4.01	1.09	0.00	35.62	1.00	35.62	*
* PHIGGINS	4	41	1	42.67	4.01	1.52	0.00	48.20	1.00	48.20 @	*
* PHIGGINS	4	41	2	31.17	4.01	1.11	0.00	36.29	1.00	36.29	*
* INT CITY	1	42	1	62.54	4.88	0.00	0.00	67.42	1.00	67.42 @	*
* INT CITY	1	42	2	47.77	4.88	0.00	0.00	52.65	1.00	52.65	*
* INT CITY	2	43	1	68.51	5.05	0.00	0.00	73.56	1.00	73.56 @	*
* INT CITY	2	43	2	58.33	5.05	0.00	0.00	63.37	1.00	63.37	*
* INT CITY	3	44	1	62.70	4.88	0.00	0.00	67.58	1.00	67.58 @	*
* INT CITY	3	44	2	46.56	4.88	0.00	0.00	51.43	1.00	51.43	*
* INT CITY	4	45	1	65.11	4.95	0.00	0.00	70.06	1.00	70.06 @	*
* INT CITY	4	45	2	52.27	4.95	0.00	0.00	57.22	1.00	57.22	*
* INT CITY	5	46	1	62.32	4.86	0.00	0.00	67.18	1.00	67.18 @	*
* INT CITY	5	46	2	44.49	4.86	0.00	0.00	49.35	1.00	49.35	*
* INT CITY	6	47	1	62.98	4.89	0.00	0.00	67.87	1.00	67.87 @	*
* INT CITY	6	47	2	47.18	4.89	0.00	0.00	52.07	1.00	52.07	*
* INT CITY	7	48	1	34.77	1.83	1.24	0.00	37.84	1.00	37.84 @	*
* INT CITY	7	48	2	29.31	1.83	1.05	0.00	32.18	1.00	32.18	*
* INT CITY	8	49	1	34.29	1.83	1.22	0.00	37.35	1.00	37.35 @	*
* INT CITY	8	49	2	28.83	1.83	1.03	0.00	31.69	1.00	31.69	*
* INT CITY	9	50	1	34.75	1.83	1.24	0.00	37.82	1.00	37.82 @	*
* INT CITY	9	50	2	29.30	1.83	1.05	0.00	32.18	1.00	32.18	*
* INT CITY	10	51	1	34.84	1.83	1.24	0.00	37.91	1.00	37.91 @	*
* INT CITY	10	51	2	29.47	1.83	1.05	0.00	32.35	1.00	32.35	*
* PINAR	1	53	1	83.58	11.42	0.00	0.00	95.01	1.00	95.01 @	*
* PINAR	1	53	2	50.90	11.42	0.00	0.00	62.32	1.00	62.32	*
* P SWAN	1	54	1	35.90	3.42	7.69	0.00	47.01	1.00	47.01 @	*
* P SWAN	1	54	2	25.87	3.42	5.54	0.00	34.84	1.00	34.84	*
* P SWAN	2	55	1	36.09	3.42	7.73	0.00	47.24	1.00	47.24 @	*
* P SWAN	2	55	2	25.87	3.42	5.54	0.00	34.84	1.00	34.84	*
* P SWAN	3	56	1	35.79	3.42	7.67	0.00	46.87	1.00	46.87 @	*
* P SWAN	3	56	2	26.40	3.42	5.66	0.00	35.48	1.00	35.48	*
* PTURNER	1	57	1	86.73	14.04	0.00	0.00	100.77	1.00	100.77 @	*
* PTURNER	1	57	2	56.11	14.04	0.00	0.00	70.15	1.00	70.15	*
* PTURNER	2	58	1	84.78	13.90	0.00	0.00	98.67	1.00	98.67 @	*
* PTURNER	2	58	2	51.72	13.90	0.00	0.00	65.61	1.00	65.61	*
* PTURNER	3	59	1	66.13	8.05	0.00	0.00	74.17	1.00	74.17 @	*
* PTURNER	3	59	2	49.77	8.05	0.00	0.00	57.82	1.00	57.82	*
* PTURNER	4	60	1	68.09	8.15	0.00	0.00	76.24	1.00	76.24 @	*
* PTURNER	4	60	2	50.79	8.15	0.00	0.00	58.94	1.00	58.94	*
* INT CITY	12	61	1	35.30	1.83	1.26	0.00	38.39	1.00	38.39 @	*
* INT CITY	12	61	2	29.30	1.83	1.05	0.00	32.18	1.00	32.18	*
* INT CITY	13	62	1	35.30	1.83	1.26	0.00	38.39	1.00	38.39 @	*
* INT CITY	13	62	2	29.30	1.83	1.05	0.00	32.18	1.00	32.18	*
* INT CITY	14	63	1	35.30	1.83	1.26	0.00	38.39	1.00	38.39 @	*
* INT CITY	14	63	2	29.30	1.83	1.05	0.00	32.18	1.00	32.18	*
* MILL UPS	1	70	1	14.70	0.00	0.00	0.00	14.70	1.00	14.70	*
* MILL UPS	1	70	2	14.70	0.00	0.00	0.00	14.70	1.00	14.70	*
* TECO	1	71	1	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* TECO	1	71	2	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* CCH2 F	600	600	1	19.48	2.36	0.00	0.00	21.85	1.00	21.85 @	*
* CCH2 F	600	600	2	15.98	2.36	0.00	0.00	18.35	1.00	18.35	*

* NOTE: A DISPATCH LAMBDA FOLLOWED BY @ REPRESENTS THE MOST EFFICIENT SEGMENT. THIS IS A RESULT OF THE MOST EFFICIENT HEAT RATE SWITCH.

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********** DISPATCH LAMBDA AND BID PRICE DIAGNOSTIC **********
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GAF DIAGNOSTIC # 11
YEAR: 2005 SEASON: 1 JANUARY

PLANT NAME	UNIT #	INDEX #	SEG #	FUEL $/MWH	VAR O&M	FUEL AUX COST	EMISS. ADDER	TOTAL $/MWH	PEN. FACT.	COST $/MWH	BID PRICE $/MWH
ANCLOTE	1	1	1	26.92	0.16	0.93	0.00	28.02	1.00	28.02	@
ANCLOTE	1	1	2	25.15	0.16	0.87	0.00	26.18	1.00	26.18	
ANCLOTE	2	2	1	26.99	0.16	0.94	0.00	28.08	1.00	28.08	@
ANCLOTE	2	2	2	24.98	0.16	0.87	0.00	26.01	1.00	26.01	
BARTOW	1	3	1	24.17	2.79	0.00	0.00	26.97	1.00	26.97	@
BARTOW	1	3	2	22.12	2.79	0.00	0.00	24.91	1.00	24.91	
BARTOW	2	4	1	24.68	2.79	0.00	0.00	27.47	1.00	27.47	@
BARTOW	2	4	2	22.75	2.79	0.00	0.00	25.54	1.00	25.54	
BARTOW	3	5	1	23.12	2.79	0.00	0.00	25.92	1.00	25.92	@
BARTOW	3	5	2	21.69	2.79	0.00	0.00	24.49	1.00	24.49	
CRYSTAL	1	6	1	15.72	0.03	0.00	0.00	15.75	1.00	15.75	@
CRYSTAL	1	6	2	14.06	0.03	0.00	0.00	14.09	1.00	14.09	
CRYSTAL	2	7	1	15.46	0.03	0.00	0.00	15.49	1.00	15.49	@
CRYSTAL	2	7	2	14.41	0.03	0.00	0.00	14.44	1.00	14.44	
CR NUC	3	8	1	3.44	0.00	0.00	0.00	3.44	1.00	3.44	
CR NUC	3	8	2	3.72	0.00	0.00	0.00	3.72	1.00	3.72	
CRYSTAL	4	9	1	17.32	0.06	0.11	0.00	17.49	1.00	17.49	@
CRYSTAL	4	9	2	15.92	0.06	0.10	0.00	16.08	1.00	16.08	
CRYSTAL	5	10	1	16.16	0.06	0.00	0.00	16.22	1.00	16.22	@
CRYSTAL	5	10	2	14.86	0.06	0.00	0.00	14.92	1.00	14.92	
HINES	11	11	1	19.96	0.00	0.69	0.00	20.65	1.00	20.65	@
HINES	11	11	2	19.29	0.00	0.67	0.00	19.96	1.00	19.96	
HINES	12	12	1	19.96	0.00	0.69	0.00	20.65	1.00	20.65	@
HINES	12	12	2	19.29	0.00	0.67	0.00	19.96	1.00	19.96	
TIGERBAY	1	16	1	20.18	0.25	0.72	0.00	21.16	1.00	21.16	@
TIGERBAY	1	16	2	16.45	0.25	0.59	0.00	17.29	1.00	17.29	
UNIVERS	1	17	1	26.93	0.78	1.87	0.00	29.58	1.00	29.58	
PAVON PK	1	18	1	42.18	4.93	1.46	0.00	48.57	1.00	48.57	@
PAVON PK	1	18	2	28.43	4.93	0.99	0.00	34.34	1.00	34.34	
PAVON PK	2	19	1	71.62	8.15	0.00	0.00	79.77	1.00	79.77	@
PAVON PK	2	19	2	48.27	8.15	0.00	0.00	56.42	1.00	56.42	
PBARTOW	1	20	1	62.50	6.82	0.00	0.00	69.32	1.00	69.32	@
PBARTOW	1	20	2	48.25	6.82	0.00	0.00	55.07	1.00	55.07	
PBARTOW	2	21	1	39.34	2.30	1.37	0.00	43.00	1.00	43.00	@
PBARTOW	2	21	2	32.03	2.30	1.11	0.00	35.45	1.00	35.45	
PBARTOW	3	22	1	63.13	6.84	0.00	0.00	69.97	1.00	69.97	@
PBARTOW	3	22	2	49.10	6.84	0.00	0.00	55.94	1.00	55.94	
PBARTOW	4	23	1	37.30	2.30	1.30	0.00	40.90	1.00	40.90	@
PBARTOW	4	23	2	28.72	2.30	1.00	0.00	32.02	1.00	32.02	
PBAYBORO	1	24	1	63.81	6.03	0.00	0.00	69.84	1.00	69.84	@
PBAYBORO	1	24	2	51.02	6.03	0.00	0.00	57.04	1.00	57.04	
PBAYBORO	2	25	1	66.71	6.15	0.00	0.00	72.87	1.00	72.87	@
PBAYBORO	2	25	2	51.74	6.15	0.00	0.00	57.90	1.00	57.90	
PBAYBORO	3	26	1	62.08	5.96	0.00	0.00	68.03	1.00	68.03	@
PBAYBORO	3	26	2	49.51	5.96	0.00	0.00	55.46	1.00	55.46	
PBAYBORO	4	27	1	62.97	6.00	0.00	0.00	68.97	1.00	68.97	@
PBAYBORO	4	27	2	49.73	6.00	0.00	0.00	55.73	1.00	55.73	
DEBARY	1	28	1	58.73	7.27	0.00	0.00	66.00	1.00	66.00	@
DEBARY	1	28	2	47.75	7.27	0.00	0.00	55.02	1.00	55.02	
DEBARY	2	29	1	56.58	7.13	0.00	0.00	63.71	1.00	63.71	@
DEBARY	2	29	2	46.05	7.13	0.00	0.00	53.18	1.00	53.18	
DEBARY	3	30	1	58.95	7.29	0.00	0.00	66.24	1.00	66.24	@
DEBARY	3	30	2	47.55	7.29	0.00	0.00	54.84	1.00	54.84	
DEBARY	4	31	1	60.83	7.40	0.00	0.00	68.23	1.00	68.23	@
DEBARY	4	31	2	50.08	7.40	0.00	0.00	57.48	1.00	57.48	
DEBARY	5	32	1	60.37	7.37	0.00	0.00	67.74	1.00	67.74	@
DEBARY	5	32	2	49.04	7.37	0.00	0.00	56.41	1.00	56.41	
DEBARY	6	33	1	57.68	7.20	0.00	0.00	64.88	1.00	64.88	@
DEBARY	6	33	2	47.18	7.20	0.00	0.00	54.38	1.00	54.38	
DEBARY	7	34	1	35.23	1.57	1.22	0.00	38.02	1.00	38.02	@
DEBARY	7	34	2	29.85	1.57	1.04	0.00	32.46	1.00	32.46	
DEBARY	8	35	1	35.22	1.57	1.22	0.00	38.02	1.00	38.02	@
DEBARY	8	35	2	29.70	1.57	1.03	0.00	32.30	1.00	32.30	
DEBARY	9	36	1	35.22	1.57	1.22	0.00	38.02	1.00	38.02	@
DEBARY	9	36	2	29.70	1.57	1.03	0.00	32.30	1.00	32.30	

* DEBARY	10	37	1	59.49	5.81	0.00	0.00	65.30	1.00	65.30 @	*
* DEBARY	10	37	2	51.58	5.81	0.00	0.00	57.39	1.00	57.39	*
* PHIGGINS	1	38	1	45.23	4.64	1.57	0.00	51.44	1.00	51.44 @	*
* PHIGGINS	1	38	2	32.36	4.64	1.12	0.00	38.12	1.00	38.12	*
* PHIGGINS	2	39	1	45.13	4.64	1.57	0.00	51.34	1.00	51.34 @	*
* PHIGGINS	2	39	2	32.65	4.64	1.13	0.00	38.42	1.00	38.42	*
* PHIGGINS	3	40	1	43.07	4.01	1.50	0.00	48.57	1.00	48.57 @	*
* PHIGGINS	3	40	2	31.39	4.01	1.09	0.00	36.49	1.00	36.49	*
* PHIGGINS	4	41	1	43.55	4.01	1.51	0.00	49.07	1.00	49.07 @	*
* PHIGGINS	4	41	2	32.06	4.01	1.11	0.00	37.18	1.00	37.18	*
* INT CITY	1	42	1	60.63	4.89	0.00	0.00	65.52	1.00	65.52 @	*
* INT CITY	1	42	2	48.56	4.89	0.00	0.00	53.46	1.00	53.46	*
* INT CITY	2	43	1	67.62	5.06	0.00	0.00	72.68	1.00	72.68 @	*
* INT CITY	2	43	2	59.30	5.06	0.00	0.00	64.36	1.00	64.36	*
* INT CITY	3	44	1	60.51	4.89	0.00	0.00	65.41	1.00	65.41 @	*
* INT CITY	3	44	2	47.33	4.89	0.00	0.00	52.22	1.00	52.22	*
* INT CITY	4	45	1	63.62	4.97	0.00	0.00	68.59	1.00	68.59 @	*
* INT CITY	4	45	2	53.14	4.97	0.00	0.00	58.10	1.00	58.10	*
* INT CITY	5	46	1	59.79	4.87	0.00	0.00	64.66	1.00	64.66 @	*
* INT CITY	5	46	2	45.23	4.87	0.00	0.00	50.10	1.00	50.10	*
* INT CITY	6	47	1	60.87	4.90	0.00	0.00	65.77	1.00	65.77 @	*
* INT CITY	6	47	2	47.97	4.90	0.00	0.00	52.87	1.00	52.87	*
* INT CITY	7	48	1	35.41	1.83	1.23	0.00	38.47	1.00	38.47 @	*
* INT CITY	7	48	2	30.14	1.83	1.05	0.00	33.02	1.00	33.02	*
* INT CITY	8	49	1	34.92	1.83	1.21	0.00	37.96	1.00	37.96 @	*
* INT CITY	8	49	2	29.66	1.83	1.03	0.00	32.52	1.00	32.52	*
* INT CITY	9	50	1	35.39	1.83	1.23	0.00	38.45	1.00	38.45 @	*
* INT CITY	9	50	2	30.14	1.83	1.05	0.00	33.01	1.00	33.01	*
* INT CITY	10	51	1	35.48	1.83	1.23	0.00	38.55	1.00	38.55 @	*
* INT CITY	10	51	2	30.31	1.83	1.05	0.00	33.20	1.00	33.20	*
* INT CITY	11	52	1	55.05	6.36	0.00	0.00	61.41	1.00	61.41 @	*
* INT CITY	11	52	2	53.00	6.36	0.00	0.00	59.35	1.00	59.35	*
* PINAR	1	53	1	78.74	11.46	0.00	0.00	90.20	1.00	90.20 @	*
* PINAR	1	53	2	51.74	11.46	0.00	0.00	63.20	1.00	63.20	*
* P SWAN	1	54	1	35.08	3.42	7.31	0.00	45.81	1.00	45.81 @	*
* P SWAN	1	54	2	26.61	3.42	5.54	0.00	35.58	1.00	35.58	*
* P SWAN	2	55	1	35.08	3.42	7.31	0.00	45.81	1.00	45.81 @	*
* P SWAN	2	55	2	26.61	3.42	5.54	0.00	35.58	1.00	35.58	*
* P SWAN	3	56	1	35.08	3.42	7.31	0.00	45.81	1.00	45.81 @	*
* P SWAN	3	56	2	27.16	3.42	5.66	0.00	36.24	1.00	36.24	*
* PTURNER	1	57	1	82.33	14.09	0.00	0.00	96.42	1.00	96.42 @	*
* PTURNER	1	57	2	57.04	14.09	0.00	0.00	71.13	1.00	71.13	*
* PTURNER	2	58	1	79.88	13.94	0.00	0.00	93.82	1.00	93.82 @	*
* PTURNER	2	58	2	52.58	13.94	0.00	0.00	66.52	1.00	66.52	*
* PTURNER	3	59	1	63.78	8.08	0.00	0.00	71.86	1.00	71.86 @	*
* PTURNER	3	59	2	50.60	8.08	0.00	0.00	58.68	1.00	58.68	*
* PTURNER	4	60	1	65.48	8.18	0.00	0.00	73.67	1.00	73.67 @	*
* PTURNER	4	60	2	51.63	8.18	0.00	0.00	59.82	1.00	59.82	*
* INT CITY	12	61	1	35.39	1.83	1.23	0.00	38.45	1.00	38.45 @	*
* INT CITY	12	61	2	30.14	1.83	1.05	0.00	33.01	1.00	33.01	*
* INT CITY	13	62	1	35.39	1.83	1.23	0.00	38.45	1.00	38.45 @	*
* INT CITY	13	62	2	30.14	1.83	1.05	0.00	33.01	1.00	33.01	*
* INT CITY	14	63	1	35.39	1.83	1.23	0.00	38.45	1.00	38.45 @	*
* INT CITY	14	63	2	30.14	1.83	1.05	0.00	33.01	1.00	33.01	*
* MILL UPS	1	70	1	14.60	0.00	0.00	0.00	14.60	1.00	14.60	*
* MILL UPS	1	70	2	14.60	0.00	0.00	0.00	14.60	1.00	14.60	*
* TECO	1	71	1	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* TECO	1	71	2	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* CCH2 F	600	600	1	19.58	2.43	0.00	0.00	22.02	1.00	22.02 @	*
* CCH2 F	600	600	2	16.44	2.43	0.00	0.00	18.87	1.00	18.87	*

*

* NOTE: A DISPATCH LAMBDA FOLLOWED BY @ REPRESENTS THE MOST EFFICIENT SEGMENT. THIS IS A *
* RESULT OF THE MOST EFFICIENT HEAT RATE SWITCH. *

*

DISPATCH LAMBDA AND BID PRICE DIAGNOSTIC

GAF DIAGNOSTIC # 11
YEAR: 2005 SEASON: 8 AUGUST

PLANT NAME	UNIT #	INDEX #	SEG #	FUEL $/MWH	VAR O&M	FUEL AUX COST	EMISS. ADDER	TOTAL $/MWH	PEN. FACT.	COST $/MWH	BID PRICE $/MWH
ANCLOTE	1	1	1	27.01	0.16	0.94	0.00	28.11	1.00	28.11	@
ANCLOTE	1	1	2	25.15	0.16	0.87	0.00	26.18	1.00	26.18	
ANCLOTE	2	2	1	27.10	0.16	0.94	0.00	28.20	1.00	28.20	@
ANCLOTE	2	2	2	24.98	0.16	0.87	0.00	26.01	1.00	26.01	
BARTOW	1	3	1	24.21	2.79	0.00	0.00	27.00	1.00	27.00	@
BARTOW	1	3	2	22.12	2.79	0.00	0.00	24.91	1.00	24.91	
BARTOW	2	4	1	24.71	2.79	0.00	0.00	27.50	1.00	27.50	@
BARTOW	2	4	2	22.75	2.79	0.00	0.00	25.54	1.00	25.54	
BARTOW	3	5	1	23.15	2.79	0.00	0.00	25.95	1.00	25.95	@
BARTOW	3	5	2	21.69	2.79	0.00	0.00	24.49	1.00	24.49	
CRYSTAL	1	6	1	15.73	0.03	0.00	0.00	15.76	1.00	15.76	@
CRYSTAL	1	6	2	14.06	0.03	0.00	0.00	14.09	1.00	14.09	
CRYSTAL	2	7	1	15.47	0.03	0.00	0.00	15.50	1.00	15.50	@
CRYSTAL	2	7	2	14.41	0.03	0.00	0.00	14.44	1.00	14.44	
CR NUC	3	8	1	3.44	0.00	0.00	0.00	3.44	1.00	3.44	
CR NUC	3	8	2	3.72	0.00	0.00	0.00	3.72	1.00	3.72	
CRYSTAL	4	9	1	17.34	0.06	0.11	0.00	17.51	1.00	17.51	@
CRYSTAL	4	9	2	15.92	0.06	0.10	0.00	16.08	1.00	16.08	
CRYSTAL	5	10	1	16.19	0.06	0.00	0.00	16.25	1.00	16.25	@
CRYSTAL	5	10	2	14.86	0.06	0.00	0.00	14.92	1.00	14.92	
HINES	11	11	1	20.03	0.00	0.70	0.00	20.72	1.00	20.72	@
HINES	11	11	2	19.29	0.00	0.67	0.00	19.96	1.00	19.96	
HINES	12	12	1	20.03	0.00	0.70	0.00	20.72	1.00	20.72	@
HINES	12	12	2	19.29	0.00	0.67	0.00	19.96	1.00	19.96	
TIGERBAY	1	16	1	20.47	0.25	0.73	0.00	21.46	1.00	21.46	@
TIGERBAY	1	16	2	16.45	0.25	0.59	0.00	17.29	1.00	17.29	
UNIVERS	1	17	1	26.93	0.78	1.87	0.00	29.58	1.00	29.58	
PAVON PK	1	18	1	45.35	4.93	1.57	0.00	51.86	1.00	51.86	@
PAVON PK	1	18	2	28.43	4.93	0.99	0.00	34.34	1.00	34.34	
PAVON PK	2	19	1	77.00	8.15	0.00	0.00	85.16	1.00	85.16	@
PAVON PK	2	19	2	48.27	8.15	0.00	0.00	56.42	1.00	56.42	
PBARTOW	1	20	1	64.67	6.82	0.00	0.00	71.49	1.00	71.49	@
PBARTOW	1	20	2	48.25	6.82	0.00	0.00	55.07	1.00	55.07	
PBARTOW	2	21	1	40.45	2.30	1.40	0.00	44.15	1.00	44.15	@
PBARTOW	2	21	2	32.03	2.30	1.11	0.00	35.45	1.00	35.45	
PBARTOW	3	22	1	65.27	6.84	0.00	0.00	72.11	1.00	72.11	@
PBARTOW	3	22	2	49.10	6.84	0.00	0.00	55.94	1.00	55.94	
PBARTOW	4	23	1	39.23	2.30	1.36	0.00	42.89	1.00	42.89	@
PBARTOW	4	23	2	28.72	2.30	1.00	0.00	32.02	1.00	32.02	
PBAYBORO	1	24	1	67.14	6.03	0.00	0.00	73.17	1.00	73.17	@
PBAYBORO	1	24	2	51.02	6.03	0.00	0.00	57.04	1.00	57.04	
PBAYBORO	2	25	1	70.62	6.15	0.00	0.00	76.77	1.00	76.77	@
PBAYBORO	2	25	2	51.74	6.15	0.00	0.00	57.90	1.00	57.90	
PBAYBORO	3	26	1	65.35	5.96	0.00	0.00	71.31	1.00	71.31	@
PBAYBORO	3	26	2	49.51	5.96	0.00	0.00	55.46	1.00	55.46	
PBAYBORO	4	27	1	66.43	6.00	0.00	0.00	72.43	1.00	72.43	@
PBAYBORO	4	27	2	49.73	6.00	0.00	0.00	55.73	1.00	55.73	
DEBARY	1	28	1	60.97	7.27	0.00	0.00	68.23	1.00	68.23	@
DEBARY	1	28	2	47.75	7.27	0.00	0.00	55.02	1.00	55.02	
DEBARY	2	29	1	58.73	7.13	0.00	0.00	65.85	1.00	65.85	@
DEBARY	2	29	2	46.05	7.13	0.00	0.00	53.18	1.00	53.18	
DEBARY	3	30	1	61.27	7.29	0.00	0.00	68.56	1.00	68.56	@
DEBARY	3	30	2	47.55	7.29	0.00	0.00	54.84	1.00	54.84	
DEBARY	4	31	1	63.02	7.40	0.00	0.00	70.42	1.00	70.42	@
DEBARY	4	31	2	50.08	7.40	0.00	0.00	57.48	1.00	57.48	
DEBARY	5	32	1	62.68	7.37	0.00	0.00	70.05	1.00	70.05	@
DEBARY	5	32	2	49.04	7.37	0.00	0.00	56.41	1.00	56.41	
DEBARY	6	33	1	59.82	7.20	0.00	0.00	67.02	1.00	67.02	@
DEBARY	6	33	2	47.18	7.20	0.00	0.00	54.38	1.00	54.38	
DEBARY	7	34	1	35.73	1.57	1.24	0.00	38.54	1.00	38.54	@
DEBARY	7	34	2	29.85	1.57	1.04	0.00	32.46	1.00	32.46	
DEBARY	8	35	1	35.74	1.57	1.24	0.00	38.56	1.00	38.56	@
DEBARY	8	35	2	29.70	1.57	1.03	0.00	32.30	1.00	32.30	
DEBARY	9	36	1	35.74	1.57	1.24	0.00	38.56	1.00	38.56	@
DEBARY	9	36	2	29.70	1.57	1.03	0.00	32.30	1.00	32.30	

* DEBARY	10	37	1	60.34	5.81	0.00	0.00	66.14	1.00	66.14 @	*
* DEBARY	10	37	2	51.58	5.81	0.00	0.00	57.39	1.00	57.39	*
* PHIGGINS	1	38	1	47.62	4.64	1.65	0.00	53.91	1.00	53.91 @	*
* PHIGGINS	1	38	2	32.36	4.64	1.12	0.00	38.12	1.00	38.12	*
* PHIGGINS	2	39	1	47.44	4.64	1.65	0.00	53.73	1.00	53.73 @	*
* PHIGGINS	2	39	2	32.65	4.64	1.13	0.00	38.42	1.00	38.42	*
* PHIGGINS	3	40	1	43.41	4.01	1.51	0.00	48.93	1.00	48.93 @	*
* PHIGGINS	3	40	2	31.39	4.01	1.09	0.00	36.49	1.00	36.49	*
* PHIGGINS	4	41	1	43.89	4.01	1.52	0.00	49.42	1.00	49.42 @	*
* PHIGGINS	4	41	2	32.06	4.01	1.11	0.00	37.18	1.00	37.18	*
* INT CITY	1	42	1	63.58	4.89	0.00	0.00	68.47	1.00	68.47 @	*
* INT CITY	1	42	2	48.56	4.89	0.00	0.00	53.46	1.00	53.46	*
* INT CITY	2	43	1	69.65	5.06	0.00	0.00	74.71	1.00	74.71 @	*
* INT CITY	2	43	2	59.30	5.06	0.00	0.00	64.36	1.00	64.36	*
* INT CITY	3	44	1	63.74	4.89	0.00	0.00	68.64	1.00	68.64 @	*
* INT CITY	3	44	2	47.33	4.89	0.00	0.00	52.22	1.00	52.22	*
* INT CITY	4	45	1	66.19	4.97	0.00	0.00	71.15	1.00	71.15 @	*
* INT CITY	4	45	2	53.14	4.97	0.00	0.00	58.10	1.00	58.10	*
* INT CITY	5	46	1	63.35	4.87	0.00	0.00	68.23	1.00	68.23 @	*
* INT CITY	5	46	2	45.23	4.87	0.00	0.00	50.10	1.00	50.10	*
* INT CITY	6	47	1	64.03	4.90	0.00	0.00	68.93	1.00	68.93 @	*
* INT CITY	6	47	2	47.97	4.90	0.00	0.00	52.87	1.00	52.87	*
* INT CITY	7	48	1	35.76	1.83	1.24	0.00	38.84	1.00	38.84 @	*
* INT CITY	7	48	2	30.14	1.83	1.05	0.00	33.02	1.00	33.02	*
* INT CITY	8	49	1	35.28	1.83	1.22	0.00	38.33	1.00	38.33 @	*
* INT CITY	8	49	2	29.66	1.83	1.03	0.00	32.52	1.00	32.52	*
* INT CITY	9	50	1	35.75	1.83	1.24	0.00	38.82	1.00	38.82 @	*
* INT CITY	9	50	2	30.14	1.83	1.05	0.00	33.01	1.00	33.01	*
* INT CITY	10	51	1	35.84	1.83	1.24	0.00	38.91	1.00	38.91 @	*
* INT CITY	10	51	2	30.31	1.83	1.05	0.00	33.20	1.00	33.20	*
* PINAR	1	53	1	84.97	11.46	0.00	0.00	96.43	1.00	96.43 @	*
* PINAR	1	53	2	51.74	11.46	0.00	0.00	63.20	1.00	63.20	*
* P SWAN	1	54	1	36.93	3.42	7.69	0.00	48.04	1.00	48.04 @	*
* P SWAN	1	54	2	26.61	3.42	5.54	0.00	35.58	1.00	35.58	*
* P SWAN	2	55	1	37.12	3.42	7.73	0.00	48.27	1.00	48.27 @	*
* P SWAN	2	55	2	26.61	3.42	5.54	0.00	35.58	1.00	35.58	*
* P SWAN	3	56	1	36.81	3.42	7.67	0.00	47.90	1.00	47.90 @	*
* P SWAN	3	56	2	27.16	3.42	5.66	0.00	36.24	1.00	36.24	*
* PTURNER	1	57	1	88.17	14.09	0.00	0.00	102.26	1.00	102.26 @	*
* PTURNER	1	57	2	57.04	14.09	0.00	0.00	71.13	1.00	71.13	*
* PTURNER	2	58	1	86.18	13.94	0.00	0.00	100.12	1.00	100.12 @	*
* PTURNER	2	58	2	52.58	13.94	0.00	0.00	66.52	1.00	66.52	*
* PTURNER	3	59	1	67.23	8.08	0.00	0.00	75.31	1.00	75.31 @	*
* PTURNER	3	59	2	50.60	8.08	0.00	0.00	58.68	1.00	58.68	*
* PTURNER	4	60	1	69.22	8.18	0.00	0.00	77.41	1.00	77.41 @	*
* PTURNER	4	60	2	51.63	8.18	0.00	0.00	59.82	1.00	59.82	*
* INT CITY	12	61	1	36.31	1.83	1.26	0.00	39.40	1.00	39.40 @	*
* INT CITY	12	61	2	30.14	1.83	1.05	0.00	33.01	1.00	33.01	*
* INT CITY	13	62	1	36.31	1.83	1.26	0.00	39.40	1.00	39.40 @	*
* INT CITY	13	62	2	30.14	1.83	1.05	0.00	33.01	1.00	33.01	*
* INT CITY	14	63	1	36.31	1.83	1.26	0.00	39.40	1.00	39.40 @	*
* INT CITY	14	63	2	30.14	1.83	1.05	0.00	33.01	1.00	33.01	*
* MILL UPS	1	70	1	14.60	0.00	0.00	0.00	14.60	1.00	14.60	*
* MILL UPS	1	70	2	14.60	0.00	0.00	0.00	14.60	1.00	14.60	*
* TECO	1	71	1	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* TECO	1	71	2	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* CCH2 F	600	600	1	20.04	2.43	0.00	0.00	22.47	1.00	22.47 @	*
* CCH2 F	600	600	2	16.44	2.43	0.00	0.00	18.87	1.00	18.87	*

* NOTE: A DISPATCH LAMBDA FOLLOWED BY @ REPRESENTS THE MOST EFFICIENT SEGMENT. THIS IS A RESULT OF THE MOST EFFICIENT HEAT RATE SWITCH.

DISPATCH LAMBDA AND BID PRICE DIAGNOSTIC

GAF DIAGNOSTIC # 11

YEAR: 2006 SEASON: 1 JANUARY

PLANT NAME	UNIT #	INDEX #	SEG #	FUEL $/MWH	VAR O&M	FUEL AUX COST	EMISS. ADDER	TOTAL $/MWH	PEN. FACT.	COST $/MWH	BID PRICE $/MWH
ANCLOTE	1	1	1	27.48	0.16	0.93	0.00	28.58	1.00	28.58	@
ANCLOTE	1	1	2	25.67	0.16	0.87	0.00	26.70	1.00	26.70	
ANCLOTE	2	2	1	27.55	0.16	0.94	0.00	28.64	1.00	28.64	@
ANCLOTE	2	2	2	25.50	0.16	0.87	0.00	26.53	1.00	26.53	
BARTOW	1	3	1	24.67	2.88	0.00	0.00	27.55	1.00	27.55	@
BARTOW	1	3	2	22.57	2.88	0.00	0.00	25.45	1.00	25.45	
BARTOW	2	4	1	25.18	2.88	0.00	0.00	28.06	1.00	28.06	@
BARTOW	2	4	2	23.21	2.88	0.00	0.00	26.09	1.00	26.09	
BARTOW	3	5	1	23.59	2.88	0.00	0.00	26.47	1.00	26.47	@
BARTOW	3	5	2	22.14	2.88	0.00	0.00	25.01	1.00	25.01	
CRYSTAL	1	6	1	16.00	0.03	0.00	0.00	16.03	1.00	16.03	@
CRYSTAL	1	6	2	14.31	0.03	0.00	0.00	14.34	1.00	14.34	
CRYSTAL	2	7	1	15.74	0.03	0.00	0.00	15.77	1.00	15.77	@
CRYSTAL	2	7	2	14.67	0.03	0.00	0.00	14.70	1.00	14.70	
CR NUC	3	8	1	3.57	0.00	0.00	0.00	3.57	1.00	3.57	
CR NUC	3	8	2	3.86	0.00	0.00	0.00	3.86	1.00	3.86	
CRYSTAL	4	9	1	17.62	0.06	0.11	0.00	17.79	1.00	17.79	@
CRYSTAL	4	9	2	16.20	0.06	0.10	0.00	16.36	1.00	16.36	
CRYSTAL	5	10	1	16.44	0.06	0.00	0.00	16.50	1.00	16.50	@
CRYSTAL	5	10	2	15.11	0.06	0.00	0.00	15.17	1.00	15.17	
HINES	11	11	1	20.38	0.00	0.69	0.00	21.07	1.00	21.07	@
HINES	11	11	2	19.69	0.00	0.67	0.00	20.36	1.00	20.36	
HINES	12	12	1	20.38	0.00	0.69	0.00	21.07	1.00	21.07	@
HINES	12	12	2	19.69	0.00	0.67	0.00	20.36	1.00	20.36	
TIGERBAY	1	16	1	20.98	0.25	0.72	0.00	21.95	1.00	21.95	@
TIGERBAY	1	16	2	17.09	0.25	0.59	0.00	17.93	1.00	17.93	
UNIVERS	1	17	1	27.49	0.78	1.87	0.00	30.14	1.00	30.14	
PAVON PK	1	18	1	43.06	4.93	1.46	0.00	49.45	1.00	49.45	@
PAVON PK	1	18	2	29.02	4.93	0.99	0.00	34.94	1.00	34.94	
PAVON PK	2	19	1	73.08	8.18	0.00	0.00	81.26	1.00	81.26	@
PAVON PK	2	19	2	49.25	8.18	0.00	0.00	57.44	1.00	57.44	
PBARTOW	1	20	1	63.78	6.84	0.00	0.00	70.62	1.00	70.62	@
PBARTOW	1	20	2	49.24	6.84	0.00	0.00	56.08	1.00	56.08	
PBARTOW	2	21	1	40.16	2.30	1.37	0.00	43.82	1.00	43.82	@
PBARTOW	2	21	2	32.70	2.30	1.11	0.00	36.11	1.00	36.11	
PBARTOW	3	22	1	64.42	6.87	0.00	0.00	71.29	1.00	71.29	@
PBARTOW	3	22	2	50.11	6.87	0.00	0.00	56.97	1.00	56.97	
PBARTOW	4	23	1	38.08	2.30	1.30	0.00	41.67	1.00	41.67	@
PBARTOW	4	23	2	29.32	2.30	1.00	0.00	32.61	1.00	32.61	
PBAYBORO	1	24	1	65.11	6.06	0.00	0.00	71.16	1.00	71.16	@
PBAYBORO	1	24	2	52.06	6.06	0.00	0.00	58.11	1.00	58.11	
PBAYBORO	2	25	1	68.07	6.18	0.00	0.00	74.25	1.00	74.25	@
PBAYBORO	2	25	2	52.80	6.18	0.00	0.00	58.98	1.00	58.98	
PBAYBORO	3	26	1	63.34	5.98	0.00	0.00	69.33	1.00	69.33	@
PBAYBORO	3	26	2	50.52	5.98	0.00	0.00	56.50	1.00	56.50	
PBAYBORO	4	27	1	64.26	6.02	0.00	0.00	70.28	1.00	70.28	@
PBAYBORO	4	27	2	50.75	6.02	0.00	0.00	56.77	1.00	56.77	
DEBARY	1	28	1	59.93	7.30	0.00	0.00	67.23	1.00	67.23	@
DEBARY	1	28	2	48.73	7.30	0.00	0.00	56.03	1.00	56.03	
DEBARY	2	29	1	57.73	7.17	0.00	0.00	64.90	1.00	64.90	@
DEBARY	2	29	2	46.99	7.17	0.00	0.00	54.16	1.00	54.16	
DEBARY	3	30	1	60.15	7.32	0.00	0.00	67.48	1.00	67.48	@
DEBARY	3	30	2	48.52	7.32	0.00	0.00	55.85	1.00	55.85	
DEBARY	4	31	1	62.07	7.44	0.00	0.00	69.51	1.00	69.51	@
DEBARY	4	31	2	51.10	7.44	0.00	0.00	58.54	1.00	58.54	
DEBARY	5	32	1	61.60	7.41	0.00	0.00	69.01	1.00	69.01	@
DEBARY	5	32	2	50.04	7.41	0.00	0.00	57.45	1.00	57.45	
DEBARY	6	33	1	58.86	7.24	0.00	0.00	66.09	1.00	66.09	@
DEBARY	6	33	2	48.14	7.24	0.00	0.00	55.38	1.00	55.38	
DEBARY	7	34	1	35.96	1.57	1.22	0.00	38.75	1.00	38.75	@
DEBARY	7	34	2	30.47	1.57	1.04	0.00	33.08	1.00	33.08	
DEBARY	8	35	1	35.96	1.57	1.22	0.00	38.75	1.00	38.75	@
DEBARY	8	35	2	30.31	1.57	1.03	0.00	32.92	1.00	32.92	
DEBARY	9	36	1	35.96	1.57	1.22	0.00	38.75	1.00	38.75	@
DEBARY	9	36	2	30.31	1.57	1.03	0.00	32.92	1.00	32.92	

* DEBARY	10	37	1	60.70	5.85	0.00	0.00	66.55	1.00	66.55 @	*
* DEBARY	10	37	2	52.63	5.85	0.00	0.00	58.48	1.00	58.48	*
* INT CITY	1	42	1	61.86	4.91	0.00	0.00	66.77	1.00	66.77 @	*
* INT CITY	1	42	2	49.55	4.91	0.00	0.00	54.46	1.00	54.46	*
* INT CITY	2	43	1	68.99	5.08	0.00	0.00	74.07	1.00	74.07 @	*
* INT CITY	2	43	2	60.51	5.08	0.00	0.00	65.58	1.00	65.58	*
* INT CITY	3	44	1	61.75	4.91	0.00	0.00	66.66	1.00	66.66 @	*
* INT CITY	3	44	2	48.29	4.91	0.00	0.00	53.20	1.00	53.20	*
* INT CITY	4	45	1	64.92	4.98	0.00	0.00	69.90	1.00	69.90 @	*
* INT CITY	4	45	2	54.22	4.98	0.00	0.00	59.20	1.00	59.20	*
* INT CITY	5	46	1	61.01	4.89	0.00	0.00	65.89	1.00	65.89 @	*
* INT CITY	5	46	2	46.15	4.89	0.00	0.00	51.03	1.00	51.03	*
* INT CITY	6	47	1	62.11	4.92	0.00	0.00	67.02	1.00	67.02 @	*
* INT CITY	6	47	2	48.94	4.92	0.00	0.00	53.86	1.00	53.86	*
* INT CITY	7	48	1	36.14	1.83	1.23	0.00	39.20	1.00	39.20 @	*
* INT CITY	7	48	2	30.77	1.83	1.05	0.00	33.65	1.00	33.65	•
* INT CITY	8	49	1	35.64	1.83	1.21	0.00	38.69	1.00	38.69 @	*
* INT CITY	8	49	2	30.28	1.83	1.03	0.00	33.14	1.00	33.14	*
* INT CITY	9	50	1	36.13	1.83	1.23	0.00	39.18	1.00	39.18 @	*
* INT CITY	9	50	2	30.76	1.83	1.05	0.00	33.64	1.00	33.64	*
* INT CITY	10	51	1	36.22	1.83	1.23	0.00	39.28	1.00	39.28 @	*
* INT CITY	10	51	2	30.95	1.83	1.05	0.00	33.83	1.00	33.83	*
* INT CITY	11	52	1	56.17	6.37	0.00	0.00	62.54	1.00	62.54 @	*
* INT CITY	11	52	2	54.08	6.37	0.00	0.00	60.45	1.00	60.45	*
* P SWAN	1	54	1	35.81	3.42	7.31	0.00	46.54	1.00	46.54 @	*
* P SWAN	1	54	2	27.16	3.42	5.54	0.00	36.13	1.00	36.13	*
* P SWAN	2	55	1	35.81	3.42	7.31	0.00	46.54	1.00	46.54 @	*
* P SWAN	2	55	2	27.16	3.42	5.54	0.00	36.13	1.00	36.13	*
* P SWAN	3	56	1	35.81	3.42	7.31	0.00	46.54	1.00	46.54 @	*
* P SWAN	3	56	2	27.72	3.42	5.66	0.00	36.80	1.00	36.80	*
* PTURNER	1	57	1	84.01	14.14	0.00	0.00	98.15	1.00	98.15 @	*
* PTURNER	1	57	2	58.20	14.14	0.00	0.00	72.34	1.00	72.34	*
* PTURNER	2	58	1	81.51	13.98	0.00	0.00	95.50	1.00	95.50 @	*
* PTURNER	2	58	2	53.65	13.98	0.00	0.00	67.63	1.00	67.63	*
* PTURNER	3	59	1	65.08	8.12	0.00	0.00	73.20	1.00	73.20 @	*
* PTURNER	3	59	2	51.63	8.12	0.00	0.00	59.75	1.00	59.75	*
* PTURNER	4	60	1	66.82	8.22	0.00	0.00	75.04	1.00	75.04 @	*
* PTURNER	4	60	2	52.69	8.22	0.00	0.00	60.91	1.00	60.91	*
* INT CITY	12	61	1	36.13	1.83	1.23	0.00	39.18	1.00	39.18 @	*
* INT CITY	12	61	2	30.76	1.83	1.05	0.00	33.64	1.00	33.64	*
* INT CITY	13	62	1	36.13	1.83	1.23	0.00	39.18	1.00	39.18 @	*
* INT CITY	13	62	2	30.76	1.83	1.05	0.00	33.64	1.00	33.64	*
* INT CITY	14	63	1	36.13	1.83	1.23	0.00	39.18	1.00	39.18 @	*
* INT CITY	14	63	2	30.76	1.83	1.05	0.00	33.64	1.00	33.64	*
* MILL UPS	1	70	1	14.90	0.00	0.00	0.00	14.90	1.00	14.90	*
* MILL UPS	1	70	2	14.90	0.00	0.00	0.00	14.90	1.00	14.90	*
* TECO	1	71	1	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* TECO	1	71	2	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* CCM1 F	599	599	1	19.99	2.51	0.00	0.00	22.50	1.00	22.50 @	*
* CCM1 F	599	599	2	16.78	2.51	0.00	0.00	19.29	1.00	19.29	*
* CCH2 F	600	600	1	19.99	2.51	0.00	0.00	22.50	1.00	22.50 @	*
* CCH2 F	600	600	2	16.78	2.51	0.00	0.00	19.29	1.00	19.29	*

*

* NOTE: A DISPATCH LAMBDA FOLLOWED BY @ REPRESENTS THE MOST EFFICIENT SEGMENT. THIS IS A *
* RESULT OF THE MOST EFFICIENT HEAT RATE SWITCH. *

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DISPATCH LAMBDA AND BID PRICE DIAGNOSTIC

GAF DIAGNOSTIC # 11

YEAR: 2006 SEASON: 8 AUGUST

PLANT NAME	UNIT #	INDEX #	SEG #	FUEL $/MWH	VAR O&M	FUEL AUX COST	EMISS. ADDER	TOTAL $/MWH	PEN. FACT.	COST $/MWH	BID PRICE $/MWH
ANCLOTE	1	1	1	27.57	0.16	0.94	0.00	28.67	1.00	28.67	@
ANCLOTE	1	1	2	25.67	0.16	0.87	0.00	26.70	1.00	26.70	
ANCLOTE	2	2	1	27.66	0.16	0.94	0.00	28.76	1.00	28.76	@
ANCLOTE	2	2	2	25.50	0.16	0.87	0.00	26.53	1.00	26.53	
BARTOW	1	3	1	24.70	2.88	0.00	0.00	27.58	1.00	27.58	@
BARTOW	1	3	2	22.57	2.88	0.00	0.00	25.45	1.00	25.45	
BARTOW	2	4	1	25.21	2.88	0.00	0.00	28.09	1.00	28.09	@
BARTOW	2	4	2	23.21	2.88	0.00	0.00	26.09	1.00	26.09	
BARTOW	3	5	1	23.62	2.88	0.00	0.00	26.50	1.00	26.50	@
BARTOW	3	5	2	22.14	2.88	0.00	0.00	25.01	1.00	25.01	
CRYSTAL	1	6	1	16.02	0.03	0.00	0.00	16.05	1.00	16.05	@
CRYSTAL	1	6	2	14.31	0.03	0.00	0.00	14.34	1.00	14.34	
CRYSTAL	2	7	1	15.75	0.03	0.00	0.00	15.78	1.00	15.78	@
CRYSTAL	2	7	2	14.67	0.03	0.00	0.00	14.70	1.00	14.70	
CR NUC	3	8	1	3.57	0.00	0.00	0.00	3.57	1.00	3.57	
CR NUC	3	8	2	3.86	0.00	0.00	0.00	3.86	1.00	3.86	
CRYSTAL	4	9	1	17.64	0.06	0.11	0.00	17.81	1.00	17.81	@
CRYSTAL	4	9	2	16.20	0.06	0.10	0.00	16.36	1.00	16.36	
CRYSTAL	5	10	1	16.47	0.06	0.00	0.00	16.53	1.00	16.53	@
CRYSTAL	5	10	2	15.11	0.06	0.00	0.00	15.17	1.00	15.17	
HINES	11	11	1	20.44	0.00	0.70	0.00	21.14	1.00	21.14	@
HINES	11	11	2	19.69	0.00	0.67	0.00	20.36	1.00	20.36	
HINES	12	12	1	20.44	0.00	0.70	0.00	21.14	1.00	21.14	@
HINES	12	12	2	19.69	0.00	0.67	0.00	20.36	1.00	20.36	
TIGERBAY	1	16	1	21.28	0.25	0.73	0.00	22.26	1.00	22.26	@
TIGERBAY	1	16	2	17.09	0.25	0.59	0.00	17.93	1.00	17.93	
UNIVERS	1	17	1	27.49	0.78	1.87	0.00	30.14	1.00	30.14	
PAVON PK	1	18	1	46.30	4.93	1.57	0.00	52.80	1.00	52.80	@
PAVON PK	1	18	2	29.02	4.93	0.99	0.00	34.94	1.00	34.94	
PAVON PK	2	19	1	78.57	8.18	0.00	0.00	86.76	1.00	86.76	@
PAVON PK	2	19	2	49.25	8.18	0.00	0.00	57.44	1.00	57.44	
PBARTOW	1	20	1	65.99	6.84	0.00	0.00	72.83	1.00	72.83	@
PBARTOW	1	20	2	49.24	6.84	0.00	0.00	56.08	1.00	56.08	
PBARTOW	2	21	1	41.29	2.30	1.40	0.00	45.00	1.00	45.00	@
PBARTOW	2	21	2	32.70	2.30	1.11	0.00	36.11	1.00	36.11	
PBARTOW	3	22	1	66.60	6.87	0.00	0.00	73.46	1.00	73.46	@
PBARTOW	3	22	2	50.11	6.87	0.00	0.00	56.97	1.00	56.97	
PBARTOW	4	23	1	40.04	2.30	1.36	0.00	43.71	1.00	43.71	@
PBARTOW	4	23	2	29.32	2.30	1.00	0.00	32.61	1.00	32.61	
PBAYBORO	1	24	1	68.51	6.06	0.00	0.00	74.57	1.00	74.57	@
PBAYBORO	1	24	2	52.06	6.06	0.00	0.00	58.11	1.00	58.11	
PBAYBORO	2	25	1	72.06	6.18	0.00	0.00	78.24	1.00	78.24	@
PBAYBORO	2	25	2	52.80	6.18	0.00	0.00	58.98	1.00	58.98	
PBAYBORO	3	26	1	66.69	5.98	0.00	0.00	72.67	1.00	72.67	@
PBAYBORO	3	26	2	50.52	5.98	0.00	0.00	56.50	1.00	56.50	
PBAYBORO	4	27	1	67.78	6.02	0.00	0.00	73.81	1.00	73.81	@
PBAYBORO	4	27	2	50.75	6.02	0.00	0.00	56.77	1.00	56.77	
DEBARY	1	28	1	62.21	7.30	0.00	0.00	69.51	1.00	69.51	@
DEBARY	1	28	2	48.73	7.30	0.00	0.00	56.03	1.00	56.03	
DEBARY	2	29	1	59.92	7.17	0.00	0.00	67.09	1.00	67.09	@
DEBARY	2	29	2	46.99	7.17	0.00	0.00	54.16	1.00	54.16	
DEBARY	3	30	1	62.52	7.32	0.00	0.00	69.85	1.00	69.85	@
DEBARY	3	30	2	48.52	7.32	0.00	0.00	55.85	1.00	55.85	
DEBARY	4	31	1	64.30	7.44	0.00	0.00	71.74	1.00	71.74	@
DEBARY	4	31	2	51.10	7.44	0.00	0.00	58.54	1.00	58.54	
DEBARY	5	32	1	63.96	7.41	0.00	0.00	71.37	1.00	71.37	@
DEBARY	5	32	2	50.04	7.41	0.00	0.00	57.45	1.00	57.45	
DEBARY	6	33	1	61.04	7.24	0.00	0.00	68.28	1.00	68.28	@
DEBARY	6	33	2	48.14	7.24	0.00	0.00	55.38	1.00	55.38	
DEBARY	7	34	1	36.47	1.57	1.24	0.00	39.29	1.00	39.29	@
DEBARY	7	34	2	30.47	1.57	1.04	0.00	33.08	1.00	33.08	
DEBARY	8	35	1	36.49	1.57	1.24	0.00	39.30	1.00	39.30	@
DEBARY	8	35	2	30.31	1.57	1.03	0.00	32.92	1.00	32.92	
DEBARY	9	36	1	36.49	1.57	1.24	0.00	39.30	1.00	39.30	@
DEBARY	9	36	2	30.31	1.57	1.03	0.00	32.92	1.00	32.92	

* DEBARY	10	37	1	61.57	5.85	0.00	0.00	67.41	1.00	67.41 @	*
* DEBARY	10	37	2	52.63	5.85	0.00	0.00	58.48	1.00	58.48	*
* INT CITY	1	42	1	64.88	4.91	0.00	0.00	69.78	1.00	69.78 @	*
* INT CITY	1	42	2	49.55	4.91	0.00	0.00	54.46	1.00	54.46	*
* INT CITY	2	43	1	71.07	5.08	0.00	0.00	76.15	1.00	76.15 @	*
* INT CITY	2	43	2	60.51	5.08	0.00	0.00	65.58	1.00	65.58	*
* INT CITY	3	44	1	65.04	4.91	0.00	0.00	69.95	1.00	69.95 @	*
* INT CITY	3	44	2	48.29	4.91	0.00	0.00	53.20	1.00	53.20	*
* INT CITY	4	45	1	67.54	4.98	0.00	0.00	72.52	1.00	72.52 @	*
* INT CITY	4	45	2	54.22	4.98	0.00	0.00	59.20	1.00	59.20	*
* INT CITY	5	46	1	64.65	4.89	0.00	0.00	69.53	1.00	69.53 @	*
* INT CITY	5	46	2	46.15	4.89	0.00	0.00	51.03	1.00	51.03	*
* INT CITY	6	47	1	65.33	4.92	0.00	0.00	70.25	1.00	70.25 @	*
* INT CITY	6	47	2	48.94	4.92	0.00	0.00	53.86	1.00	53.86	*
* INT CITY	7	48	1	36.51	1.83	1.24	0.00	39.58	1.00	39.58 @	*
* INT CITY	7	48	2	30.77	1.83	1.05	0.00	33.65	1.00	33.65	*
* INT CITY	8	49	1	36.01	1.83	1.22	0.00	39.06	1.00	39.06 @	*
* INT CITY	8	49	2	30.28	1.83	1.03	0.00	33.14	1.00	33.14	*
* INT CITY	9	50	1	36.49	1.83	1.24	0.00	39.56	1.00	39.56 @	*
* INT CITY	9	50	2	30.76	1.83	1.05	0.00	33.64	1.00	33.64	*
* INT CITY	10	51	1	36.58	1.83	1.24	0.00	39.66	1.00	39.66 @	*
* INT CITY	10	51	2	30.95	1.83	1.05	0.00	33.83	1.00	33.83	*
* P SWAN	1	54	1	37.69	3.42	7.69	0.00	48.81	1.00	48.81 @	*
* P SWAN	1	54	2	27.16	3.42	5.54	0.00	36.13	1.00	36.13	*
* P SWAN	2	55	1	37.89	3.42	7.73	0.00	49.04	1.00	49.04 @	*
* P SWAN	2	55	2	27.16	3.42	5.54	0.00	36.13	1.00	36.13	*
* P SWAN	3	56	1	37.57	3.42	7.67	0.00	48.66	1.00	48.66 @	*
* P SWAN	3	56	2	27.72	3.42	5.66	0.00	36.80	1.00	36.80	*
• PTURNER	1	57	1	89.97	14.14	0.00	0.00	104.10	1.00	104.10 @	*
* PTURNER	1	57	2	58.20	14.14	0.00	0.00	72.34	1.00	72.34	*
* PTURNER	2	58	1	87.94	13.98	0.00	0.00	101.93	1.00	101.93 @	*
* PTURNER	2	58	2	53.65	13.98	0.00	0.00	67.63	1.00	67.63	*
* PTURNER	3	59	1	68.60	8.12	0.00	0.00	76.72	1.00	76.72 @	*
* PTURNER	3	59	2	51.63	8.12	0.00	0.00	59.75	1.00	59.75	*
* PTURNER	4	60	1	70.63	8.22	0.00	0.00	78.86	1.00	78.86 @	*
* PTURNER	4	60	2	52.69	8.22	0.00	0.00	60.91	1.00	60.91	*
* INT CITY	12	61	1	37.06	1.83	1.26	0.00	40.15	1.00	40.15 @	*
* INT CITY	12	61	2	30.76	1.83	1.05	0.00	33.64	1.00	33.64	*
* INT CITY	13	62	1	37.06	1.83	1.26	0.00	40.15	1.00	40.15 @	*
* INT CITY	13	62	2	30.76	1.83	1.05	0.00	33.64	1.00	33.64	*
* INT CITY	14	63	1	37.06	1.83	1.26	0.00	40.15	1.00	40.15 @	*
* INT CITY	14	63	2	30.76	1.83	1.05	0.00	33.64	1.00	33.64	*
* MILL UPS	1	70	1	14.90	0.00	0.00	0.00	14.90	1.00	14.90	*
* MILL UPS	1	70	2	14.90	0.00	0.00	0.00	14.90	1.00	14.90	*
* TECO	1	71	1	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* TECO	1	71	2	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* CCM1 F	599	599	1	20.46	2.51	0.00	0.00	22.96	1.00	22.96 @	*
* CCM1 F	599	599	2	16.78	2.51	0.00	0.00	19.29	1.00	19.29	*
* CCH2 F	600	600	1	20.46	2.51	0.00	0.00	22.96	1.00	22.96 @	*
* CCH2 F	600	600	2	16.78	2.51	0.00	0.00	19.29	1.00	19.29	*

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* NOTE: A DISPATCH LAMBDA FOLLOWED BY @ REPRESENTS THE MOST EFFICIENT SEGMENT. THIS IS A RESULT OF THE MOST EFFICIENT HEAT RATE SWITCH. *

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DISPATCH LAMBDA AND BID PRICE DIAGNOSTIC

GAF DIAGNOSTIC # 11
YEAR: 2007 SEASON: 1 JANUARY

PLANT NAME	UNIT #	INDEX #	SEG #	FUEL $/MWH	VAR O&M	FUEL AUX COST	EMISS. ADDER	TOTAL $/MWH	PEN. FACT.	COST $/MWH	BID PRICE $/MWH
ANCLOTE	1	1	1	28.14	0.16	0.93	0.00	29.23	1.00	29.23	@
ANCLOTE	1	1	2	26.28	0.16	0.87	0.00	27.31	1.00	27.31	
ANCLOTE	2	2	1	28.20	0.16	0.94	0.00	29.30	1.00	29.30	@
ANCLOTE	2	2	2	26.11	0.16	0.87	0.00	27.13	1.00	27.13	
BARTOW	1	3	1	25.26	2.96	0.00	0.00	28.22	1.00	28.22	@
BARTOW	1	3	2	23.11	2.96	0.00	0.00	26.07	1.00	26.07	
BARTOW	2	4	1	25.79	2.96	0.00	0.00	28.75	1.00	28.75	@
BARTOW	2	4	2	23.77	2.96	0.00	0.00	26.73	1.00	26.73	
BARTOW	3	5	1	24.16	2.96	0.00	0.00	27.13	1.00	27.13	@
BARTOW	3	5	2	22.67	2.96	0.00	0.00	25.63	1.00	25.63	
CRYSTAL	1	6	1	16.19	0.03	0.00	0.00	16.22	1.00	16.22	@
CRYSTAL	1	6	2	14.48	0.03	0.00	0.00	14.51	1.00	14.51	
CRYSTAL	2	7	1	15.92	0.03	0.00	0.00	15.95	1.00	15.95	@
CRYSTAL	2	7	2	14.84	0.03	0.00	0.00	14.87	1.00	14.87	
CR NUC	3	8	1	3.60	0.00	0.00	0.00	3.60	1.00	3.60	
CR NUC	3	8	2	3.90	0.00	0.00	0.00	3.90	1.00	3.90	
CRYSTAL	4	9	1	17.92	0.06	0.11	0.00	18.09	1.00	18.09	@
CRYSTAL	4	9	2	16.47	0.06	0.10	0.00	16.64	1.00	16.64	
CRYSTAL	5	10	1	16.71	0.06	0.00	0.00	16.77	1.00	16.77	@
CRYSTAL	5	10	2	15.36	0.06	0.00	0.00	15.42	1.00	15.42	
HINES	11	11	1	20.86	0.00	0.69	0.00	21.55	1.00	21.55	@
HINES	11	11	2	20.16	0.00	0.67	0.00	20.83	1.00	20.83	
HINES	12	12	1	20.86	0.00	0.69	0.00	21.55	1.00	21.55	@
HINES	12	12	2	20.16	0.00	0.67	0.00	20.83	1.00	20.83	
TIGERBAY	1	16	1	21.77	0.25	0.72	0.00	22.75	1.00	22.75	@
TIGERBAY	1	16	2	17.74	0.25	0.59	0.00	18.58	1.00	18.58	
UNIVERS	1	17	1	28.15	0.78	1.87	0.00	30.80	1.00	30.80	
PBARTOW	1	20	1	65.18	6.87	0.00	0.00	72.05	1.00	72.05	@
PBARTOW	1	20	2	50.32	6.87	0.00	0.00	57.19	1.00	57.19	
PBARTOW	2	21	1	41.11	2.30	1.37	0.00	44.78	1.00	44.78	@
PBARTOW	2	21	2	33.48	2.30	1.11	0.00	36.89	1.00	36.89	
PBARTOW	3	22	1	65.84	6.89	0.00	0.00	72.73	1.00	72.73	@
PBARTOW	3	22	2	51.21	6.89	0.00	0.00	58.10	1.00	58.10	
PBARTOW	4	23	1	38.98	2.30	1.30	0.00	42.58	1.00	42.58	@
PBARTOW	4	23	2	30.01	2.30	1.00	0.00	33.31	1.00	33.31	
PBAYBORO	1	24	1	66.54	6.08	0.00	0.00	72.62	1.00	72.62	@
PBAYBORO	1	24	2	53.20	6.08	0.00	0.00	59.28	1.00	59.28	
PBAYBORO	2	25	1	69.57	6.21	0.00	0.00	75.78	1.00	75.78	@
PBAYBORO	2	25	2	53.96	6.21	0.00	0.00	60.17	1.00	60.17	
PBAYBORO	3	26	1	64.74	6.01	0.00	0.00	70.75	1.00	70.75	@
PBAYBORO	3	26	2	51.63	6.01	0.00	0.00	57.64	1.00	57.64	
PBAYBORO	4	27	1	65.67	6.05	0.00	0.00	71.72	1.00	71.72	@
PBAYBORO	4	27	2	51.86	6.05	0.00	0.00	57.92	1.00	57.92	
DEBARY	1	28	1	61.25	7.34	0.00	0.00	68.59	1.00	68.59	@
DEBARY	1	28	2	49.80	7.34	0.00	0.00	57.14	1.00	57.14	
DEBARY	2	29	1	59.00	7.20	0.00	0.00	66.21	1.00	66.21	@
DEBARY	2	29	2	48.03	7.20	0.00	0.00	55.23	1.00	55.23	
DEBARY	3	30	1	61.48	7.36	0.00	0.00	68.84	1.00	68.84	@
DEBARY	3	30	2	49.59	7.36	0.00	0.00	56.95	1.00	56.95	
DEBARY	4	31	1	63.43	7.48	0.00	0.00	70.91	1.00	70.91	@
DEBARY	4	31	2	52.23	7.48	0.00	0.00	59.71	1.00	59.71	
DEBARY	5	32	1	62.96	7.45	0.00	0.00	70.41	1.00	70.41	@
DEBARY	5	32	2	51.14	7.45	0.00	0.00	58.59	1.00	58.59	
DEBARY	6	33	1	60.15	7.27	0.00	0.00	67.43	1.00	67.43	@
DEBARY	6	33	2	49.20	7.27	0.00	0.00	56.47	1.00	56.47	
DEBARY	7	34	1	36.81	1.57	1.22	0.00	39.61	1.00	39.61	@
DEBARY	7	34	2	31.20	1.57	1.04	0.00	33.80	1.00	33.80	
DEBARY	8	35	1	36.81	1.57	1.22	0.00	39.61	1.00	39.61	@
DEBARY	8	35	2	31.04	1.57	1.03	0.00	33.64	1.00	33.64	
DEBARY	9	36	1	36.81	1.57	1.22	0.00	39.61	1.00	39.61	@
DEBARY	9	36	2	31.04	1.57	1.03	0.00	33.64	1.00	33.64	
DEBARY	10	37	1	62.04	5.88	0.00	0.00	67.92	1.00	67.92	@
DEBARY	10	37	2	53.79	5.88	0.00	0.00	59.68	1.00	59.68	
INT CITY	1	42	1	63.22	4.92	0.00	0.00	68.14	1.00	68.14	@
INT CITY	1	42	2	50.64	4.92	0.00	0.00	55.56	1.00	55.56	

* INT CITY	2	43	1	70.51	5.09	0.00	0.00	75.61	1.00	75.61 @	*
* INT CITY	2	43	2	61.84	5.09	0.00	0.00	66.93	1.00	66.93	*
* INT CITY	3	44	1	63.11	4.92	0.00	0.00	68.03	1.00	68.03 @	*
* INT CITY	3	44	2	49.36	4.92	0.00	0.00	54.28	1.00	54.28	*
* INT CITY	4	45	1	66.35	4.99	0.00	0.00	71.34	1.00	71.34 @	*
* INT CITY	4	45	2	55.41	4.99	0.00	0.00	60.41	1.00	60.41	*
* INT CITY	5	46	1	62.35	4.90	0.00	0.00	67.25	1.00	67.25 @	*
* INT CITY	5	46	2	47.17	4.90	0.00	0.00	52.06	1.00	52.06	*
* INT CITY	6	47	1	63.48	4.93	0.00	0.00	68.41	1.00	68.41 @	*
* INT CITY	6	47	2	50.02	4.93	0.00	0.00	54.95	1.00	54.95	*
* INT CITY	7	48	1	37.00	1.83	1.23	0.00	40.06	1.00	40.06 @	*
* INT CITY	7	48	2	31.50	1.83	1.05	0.00	34.38	1.00	34.38	*
* INT CITY	8	49	1	36.49	1.83	1.21	0.00	39.53	1.00	39.53 @	*
* INT CITY	8	49	2	31.00	1.83	1.03	0.00	33.86	1.00	33.86	*
* INT CITY	9	50	1	36.99	1.83	1.23	0.00	40.04	1.00	40.04 @	•
* INT CITY	9	50	2	31.50	1.83	1.05	0.00	34.37	1.00	34.37	*
* INT CITY	10	51	1	37.08	1.83	1.23	0.00	40.15	1.00	40.15 @	*
* INT CITY	10	51	2	31.68	1.83	1.05	0.00	34.56	1.00	34.56	*
* INT CITY	11	52	1	57.41	6.38	0.00	0.00	63.79	1.00	63.79 @	*
* INT CITY	11	52	2	55.27	6.38	0.00	0.00	61.65	1.00	61.65	*
* P SWAN	1	54	1	36.66	3.42	7.31	0.00	47.39	1.00	47.39 @	*
* P SWAN	1	54	2	27.81	3.42	5.54	0.00	36.78	1.00	36.78	*
* P SWAN	2	55	1	36.66	3.42	7.31	0.00	47.39	1.00	47.39 @	*
* P SWAN	2	55	2	27.81	3.42	5.54	0.00	36.78	1.00	36.78	*
* P SWAN	3	56	1	36.66	3.42	7.31	0.00	47.39	1.00	47.39 @	*
* P SWAN	3	56	2	28.38	3.42	5.66	0.00	37.46	1.00	37.46	*
* PTURNER	3	59	1	66.51	8.16	0.00	0.00	74.67	1.00	74.67 @	*
* PTURNER	3	59	2	52.76	8.16	0.00	0.00	60.92	1.00	60.92	*
* PTURNER	4	60	1	68.29	8.26	0.00	0.00	76.55	1.00	76.55 @	*
* PTURNER	4	60	2	53.85	8.26	0.00	0.00	62.11	1.00	62.11	*
* INT CITY	12	61	1	36.99	1.83	1.23	0.00	40.04	1.00	40.04 @	*
* INT CITY	12	61	2	31.50	1.83	1.05	0.00	34.37	1.00	34.37	*
* INT CITY	13	62	1	36.99	1.83	1.23	0.00	40.04	1.00	40.04 @	*
* INT CITY	13	62	2	31.50	1.83	1.05	0.00	34.37	1.00	34.37	*
* INT CITY	14	63	1	36.99	1.83	1.23	0.00	40.04	1.00	40.04 @	*
* INT CITY	14	63	2	31.50	1.83	1.05	0.00	34.37	1.00	34.37	*
* MILL UPS	1	70	1	15.20	0.00	0.00	0.00	15.20	1.00	15.20	*
* MILL UPS	1	70	2	15.20	0.00	0.00	0.00	15.20	1.00	15.20	*
* TECO	1	71	1	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* TECO	1	71	2	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* CCM1 F	599	599	1	20.47	2.58	0.00	0.00	23.05	1.00	23.05 @	*
* CCM1 F	599	599	2	17.18	2.58	0.00	0.00	19.76	1.00	19.76	*
* CCH2 F	600	600	1	20.47	2.58	0.00	0.00	23.05	1.00	23.05 @	*
* CCH2 F	600	600	2	17.18	2.58	0.00	0.00	19.76	1.00	19.76	*

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* NOTE: A DISPATCH LAMBDA FOLLOWED BY @ REPRESENTS THE MOST EFFICIENT SEGMENT. THIS IS A *
* RESULT OF THE MOST EFFICIENT HEAT RATE SWITCH. *
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********** DISPATCH LAMBDA AND BID PRICE DIAGNOSTIC **********

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GAF DIAGNOSTIC # 11

YEAR: 2007 SEASON: 8 AUGUST

PLANT NAME	UNIT #	INDEX #	SEG #	FUEL $/MWH	VAR O&M	FUEL AUX COST	EMISS. ADDER	TOTAL $/MWH	PEN. FACT.	COST $/MWH	BID PRICE $/MWH
ANCLOTE	1	1	1	28.23	0.16	0.94	0.00	29.32	1.00	29.32	@
ANCLOTE	1	1	2	26.28	0.16	0.87	0.00	27.31	1.00	27.31	
ANCLOTE	2	2	1	28.32	0.16	0.94	0.00	29.42	1.00	29.42	@
ANCLOTE	2	2	2	26.11	0.16	0.87	0.00	27.13	1.00	27.13	
BARTOW	1	3	1	25.30	2.96	0.00	0.00	28.26	1.00	28.26	@
BARTOW	1	3	2	23.11	2.96	0.00	0.00	26.07	1.00	26.07	
BARTOW	2	4	1	25.82	2.96	0.00	0.00	28.78	1.00	28.78	@
BARTOW	2	4	2	23.77	2.96	0.00	0.00	26.73	1.00	26.73	
BARTOW	3	5	1	24.19	2.96	0.00	0.00	27.15	1.00	27.15	@
BARTOW	3	5	2	22.67	2.96	0.00	0.00	25.63	1.00	25.63	
CRYSTAL	1	6	1	16.21	0.03	0.00	0.00	16.24	1.00	16.24	@
CRYSTAL	1	6	2	14.48	0.03	0.00	0.00	14.51	1.00	14.51	
CRYSTAL	2	7	1	15.93	0.03	0.00	0.00	15.96	1.00	15.96	@
CRYSTAL	2	7	2	14.84	0.03	0.00	0.00	14.87	1.00	14.87	
CR NUC	3	8	1	3.60	0.00	0.00	0.00	3.60	1.00	3.60	
CR NUC	3	8	2	3.90	0.00	0.00	0.00	3.90	1.00	3.90	
CRYSTAL	4	9	1	17.94	0.06	0.11	0.00	18.11	1.00	18.11	@
CRYSTAL	4	9	2	16.47	0.06	0.10	0.00	16.64	1.00	16.64	
CRYSTAL	5	10	1	16.74	0.06	0.00	0.00	16.80	1.00	16.80	@
CRYSTAL	5	10	2	15.36	0.06	0.00	0.00	15.42	1.00	15.42	
HINES	11	11	1	20.93	0.00	0.70	0.00	21.62	1.00	21.62	@
HINES	11	11	2	20.16	0.00	0.67	0.00	20.83	1.00	20.83	
HINES	12	12	1	20.93	0.00	0.70	0.00	21.62	1.00	21.62	@
HINES	12	12	2	20.16	0.00	0.67	0.00	20.83	1.00	20.83	
TIGERBAY	1	16	1	22.09	0.25	0.73	0.00	23.07	1.00	23.07	@
TIGERBAY	1	16	2	17.74	0.25	0.59	0.00	18.58	1.00	18.58	
UNIVERS	1	17	1	28.15	0.78	1.87	0.00	30.80	1.00	30.80	
PBARTOW	1	20	1	67.44	6.87	0.00	0.00	74.31	1.00	74.31	@
PBARTOW	1	20	2	50.32	6.87	0.00	0.00	57.19	1.00	57.19	
PBARTOW	2	21	1	42.27	2.30	1.40	0.00	45.98	1.00	45.98	@
PBARTOW	2	21	2	33.48	2.30	1.11	0.00	36.89	1.00	36.89	
PBARTOW	3	22	1	68.06	6.89	0.00	0.00	74.96	1.00	74.96	@
PBARTOW	3	22	2	51.21	6.89	0.00	0.00	58.10	1.00	58.10	
PBARTOW	4	23	1	41.00	2.30	1.36	0.00	44.66	1.00	44.66	@
PBARTOW	4	23	2	30.01	2.30	1.00	0.00	33.31	1.00	33.31	
PBAYBORO	1	24	1	70.02	6.08	0.00	0.00	76.10	1.00	76.10	@
PBAYBORO	1	24	2	53.20	6.08	0.00	0.00	59.28	1.00	59.28	
PBAYBORO	2	25	1	73.64	6.21	0.00	0.00	79.85	1.00	79.85	@
PBAYBORO	2	25	2	53.96	6.21	0.00	0.00	60.17	1.00	60.17	
PBAYBORO	3	26	1	68.15	6.01	0.00	0.00	74.17	1.00	74.17	@
PBAYBORO	3	26	2	51.63	6.01	0.00	0.00	57.64	1.00	57.64	
PBAYBORO	4	27	1	69.27	6.05	0.00	0.00	75.33	1.00	75.33	@
PBAYBORO	4	27	2	51.86	6.05	0.00	0.00	57.92	1.00	57.92	
DEBARY	1	28	1	63.58	7.34	0.00	0.00	70.92	1.00	70.92	@
DEBARY	1	28	2	49.80	7.34	0.00	0.00	57.14	1.00	57.14	
DEBARY	2	29	1	61.24	7.20	0.00	0.00	68.44	1.00	68.44	@
DEBARY	2	29	2	48.03	7.20	0.00	0.00	55.23	1.00	55.23	
DEBARY	3	30	1	63.90	7.36	0.00	0.00	71.26	1.00	71.26	@
DEBARY	3	30	2	49.59	7.36	0.00	0.00	56.95	1.00	56.95	
DEBARY	4	31	1	65.72	7.48	0.00	0.00	73.20	1.00	73.20	@
DEBARY	4	31	2	52.23	7.48	0.00	0.00	59.71	1.00	59.71	
DEBARY	5	32	1	65.36	7.45	0.00	0.00	72.81	1.00	72.81	@
DEBARY	5	32	2	51.14	7.45	0.00	0.00	58.59	1.00	58.59	
DEBARY	6	33	1	62.38	7.27	0.00	0.00	69.66	1.00	69.66	@
DEBARY	6	33	2	49.20	7.27	0.00	0.00	56.47	1.00	56.47	
DEBARY	7	34	1	37.34	1.57	1.24	0.00	40.15	1.00	40.15	@
DEBARY	7	34	2	31.20	1.57	1.04	0.00	33.80	1.00	33.80	
DEBARY	8	35	1	37.36	1.57	1.24	0.00	40.17	1.00	40.17	@
DEBARY	8	35	2	31.04	1.57	1.03	0.00	33.64	1.00	33.64	
DEBARY	9	36	1	37.36	1.57	1.24	0.00	40.17	1.00	40.17	@
DEBARY	9	36	2	31.04	1.57	1.03	0.00	33.64	1.00	33.64	
DEBARY	10	37	1	62.92	5.88	0.00	0.00	68.81	1.00	68.81	@
DEBARY	10	37	2	53.79	5.88	0.00	0.00	59.68	1.00	59.68	
INT CITY	1	42	1	66.30	4.92	0.00	0.00	71.22	1.00	71.22	@
INT CITY	1	42	2	50.64	4.92	0.00	0.00	55.56	1.00	55.56	

* INT CITY	2	43	1	72.64	5.09	0.00	0.00	77.73	1.00	77.73 @	*
* INT CITY	2	43	2	61.84	5.09	0.00	0.00	66.93	1.00	66.93	*
* INT CITY	3	44	1	66.48	4.92	0.00	0.00	71.39	1.00	71.39 @	*
* INT CITY	3	44	2	49.36	4.92	0.00	0.00	54.28	1.00	54.28	*
* INT CITY	4	45	1	69.03	4.99	0.00	0.00	74.02	1.00	74.02 @	*
* INT CITY	4	45	2	55.41	4.99	0.00	0.00	60.41	1.00	60.41	*
* INT CITY	5	46	1	66.07	4.90	0.00	0.00	70.97	1.00	70.97 @	*
* INT CITY	5	46	2	47.17	4.90	0.00	0.00	52.06	1.00	52.06	*
* INT CITY	6	47	1	66.77	4.93	0.00	0.00	71.70	1.00	71.70 @	*
* INT CITY	6	47	2	50.02	4.93	0.00	0.00	54.95	1.00	54.95	*
* INT CITY	7	48	1	37.38	1.83	1.24	0.00	40.45	1.00	40.45 @	*
* INT CITY	7	48	2	31.50	1.83	1.05	0.00	34.38	1.00	34.38	*
* INT CITY	8	49	1	36.87	1.83	1.22	0.00	39.92	1.00	39.92 @	*
* INT CITY	8	49	2	31.00	1.83	1.03	0.00	33.86	1.00	33.86	*
* INT CITY	9	50	1	37.36	1.83	1.24	0.00	40.43	1.00	40.43 @	*
* INT CITY	9	50	2	31.50	1.83	1.05	0.00	34.37	1.00	34.37	*
* INT CITY	10	51	1	37.45	1.83	1.24	0.00	40.53	1.00	40.53 @	*
* INT CITY	10	51	2	31.68	1.83	1.05	0.00	34.56	1.00	34.56	*
* P SWAN	1	54	1	38.59	3.42	7.69	0.00	49.70	1.00	49.70 @	*
* P SWAN	1	54	2	27.81	3.42	5.54	0.00	36.78	1.00	36.78	*
* P SWAN	2	55	1	38.79	3.42	7.73	0.00	49.94	1.00	49.94 @	*
* P SWAN	2	55	2	27.81	3.42	5.54	0.00	36.78	1.00	36.78	*
* P SWAN	3	56	1	38.47	3.42	7.67	0.00	49.56	1.00	49.56 @	*
* P SWAN	3	56	2	28.38	3.42	5.66	0.00	37.46	1.00	37.46	*
* PTURNER	3	59	1	70.11	8.16	0.00	0.00	78.26	1.00	78.26 @	*
* PTURNER	3	59	2	52.76	8.16	0.00	0.00	60.92	1.00	60.92	*
* PTURNER	4	60	1	72.19	8.26	0.00	0.00	80.45	1.00	80.45 @	*
* PTURNER	4	60	2	53.85	8.26	0.00	0.00	62.11	1.00	62.11	*
* INT CITY	12	61	1	37.95	1.83	1.26	0.00	41.04	1.00	41.04 @	*
* INT CITY	12	61	2	31.50	1.83	1.05	0.00	34.37	1.00	34.37	*
* INT CITY	13	62	1	37.95	1.83	1.26	0.00	41.04	1.00	41.04 @	*
* INT CITY	13	62	2	31.50	1.83	1.05	0.00	34.37	1.00	34.37	*
* INT CITY	14	63	1	37.95	1.83	1.26	0.00	41.04	1.00	41.04 @	*
* INT CITY	14	63	2	31.50	1.83	1.05	0.00	34.37	1.00	34.37	*
* MILL UPS	1	70	1	15.20	0.00	0.00	0.00	15.20	1.00	15.20	*
* MILL UPS	1	70	2	15.20	0.00	0.00	0.00	15.20	1.00	15.20	*
* TECO	1	71	1	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* TECO	1	71	2	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* CCM1 F	599	599	1	20.94	2.58	0.00	0.00	23.53	1.00	23.53 @	*
* CCM1 F	599	599	2	17.18	2.58	0.00	0.00	19.76	1.00	19.76	*
* CCH2 F	600	600	1	20.94	2.58	0.00	0.00	23.53	1.00	23.53 @	*
* CCH2 F	600	600	2	17.18	2.58	0.00	0.00	19.76	1.00	19.76	*

*

* NOTE: A DISPATCH LAMBDA FOLLOWED BY @ REPRESENTS THE MOST EFFICIENT SEGMENT. THIS IS A *
* RESULT OF THE MOST EFFICIENT HEAT RATE SWITCH. *

DISPATCH LAMBDA AND BID PRICE DIAGNOSTIC

GAF DIAGNOSTIC # 11

YEAR: 2008 SEASON: 1 JANUARY

PLANT NAME	UNIT #	INDEX #	SEG #	FUEL $/MWH	VAR O&M	FUEL AUX COST	EMISS. ADDER	TOTAL $/MWH	PEN. FACT.	COST $/MWH	BID PRICE $/MWH
ANCLOTE	1	1	1	28.70	0.16	0.93	0.00	29.79	1.00	29.79	@
ANCLOTE	1	1	2	26.80	0.16	0.87	0.00	27.84	1.00	27.84	
ANCLOTE	2	2	1	28.76	0.16	0.94	0.00	29.86	1.00	29.86	@
ANCLOTE	2	2	2	26.63	0.16	0.87	0.00	27.65	1.00	27.65	
BARTOW	1	3	1	25.75	3.05	0.00	0.00	28.81	1.00	28.81	@
BARTOW	1	3	2	23.56	3.05	0.00	0.00	26.61	1.00	26.61	
BARTOW	2	4	1	26.29	3.05	0.00	0.00	29.34	1.00	29.34	@
BARTOW	2	4	2	24.23	3.05	0.00	0.00	27.28	1.00	27.28	
BARTOW	3	5	1	24.63	3.05	0.00	0.00	27.69	1.00	27.69	@
BARTOW	3	5	2	23.11	3.05	0.00	0.00	26.16	1.00	26.16	
CRYSTAL	1	6	1	16.47	0.03	0.00	0.00	16.50	1.00	16.50	@
CRYSTAL	1	6	2	14.73	0.03	0.00	0.00	14.76	1.00	14.76	
CRYSTAL	2	7	1	16.20	0.03	0.00	0.00	16.23	1.00	16.23	@
CRYSTAL	2	7	2	15.10	0.03	0.00	0.00	15.13	1.00	15.13	
CR NUC	3	8	1	3.76	0.00	0.00	0.00	3.76	1.00	3.76	
CR NUC	3	8	2	4.07	0.00	0.00	0.00	4.07	1.00	4.07	
CRYSTAL	4	9	1	18.22	0.06	0.11	0.00	18.40	1.00	18.40	@
CRYSTAL	4	9	2	16.75	0.06	0.10	0.00	16.92	1.00	16.92	
CRYSTAL	5	10	1	16.99	0.06	0.00	0.00	17.05	1.00	17.05	@
CRYSTAL	5	10	2	15.61	0.06	0.00	0.00	15.67	1.00	15.67	
HINES	11	11	1	21.28	0.00	0.69	0.00	21.97	1.00	21.97	@
HINES	11	11	2	20.56	0.00	0.67	0.00	21.23	1.00	21.23	
HINES	12	12	1	21.28	0.00	0.69	0.00	21.97	1.00	21.97	@
HINES	12	12	2	20.56	0.00	0.67	0.00	21.23	1.00	21.23	
TIGERBAY	1	16	1	22.64	0.25	0.72	0.00	23.62	1.00	23.62	@
TIGERBAY	1	16	2	18.45	0.25	0.59	0.00	19.29	1.00	19.29	
UNIVERS	1	17	1	28.71	0.78	1.87	0.00	31.36	1.00	31.36	
PBARTOW	1	20	1	66.59	6.90	0.00	0.00	73.48	1.00	73.48	@
PBARTOW	1	20	2	51.41	6.90	0.00	0.00	58.30	1.00	58.30	
PBARTOW	2	21	1	41.93	2.30	1.37	0.00	45.60	1.00	45.60	@
PBARTOW	2	21	2	34.15	2.30	1.11	0.00	37.56	1.00	37.56	
PBARTOW	3	22	1	67.26	6.92	0.00	0.00	74.18	1.00	74.18	@
PBARTOW	3	22	2	52.31	6.92	0.00	0.00	59.24	1.00	59.24	
PBARTOW	4	23	1	39.76	2.30	1.30	0.00	43.36	1.00	43.36	@
PBARTOW	4	23	2	30.61	2.30	1.00	0.00	33.91	1.00	33.91	
PBAYBORO	1	24	1	67.98	6.11	0.00	0.00	74.09	1.00	74.09	@
PBAYBORO	1	24	2	54.35	6.11	0.00	0.00	60.46	1.00	60.46	
PBAYBORO	2	25	1	71.07	6.24	0.00	0.00	77.31	1.00	77.31	@
PBAYBORO	2	25	2	55.13	6.24	0.00	0.00	61.37	1.00	61.37	
PBAYBORO	3	26	1	66.13	6.04	0.00	0.00	72.17	1.00	72.17	@
PBAYBORO	3	26	2	52.74	6.04	0.00	0.00	58.78	1.00	58.78	
PBAYBORO	4	27	1	67.09	6.08	0.00	0.00	73.17	1.00	73.17	@
PBAYBORO	4	27	2	52.98	6.08	0.00	0.00	59.06	1.00	59.06	
DEBARY	1	28	1	62.57	7.38	0.00	0.00	69.95	1.00	69.95	@
DEBARY	1	28	2	50.87	7.38	0.00	0.00	58.25	1.00	58.25	
DEBARY	2	29	1	60.28	7.24	0.00	0.00	67.52	1.00	67.52	@
DEBARY	2	29	2	49.06	7.24	0.00	0.00	56.30	1.00	56.30	
DEBARY	3	30	1	62.80	7.40	0.00	0.00	70.20	1.00	70.20	@
DEBARY	3	30	2	50.66	7.40	0.00	0.00	58.06	1.00	58.06	
DEBARY	4	31	1	64.80	7.52	0.00	0.00	72.32	1.00	72.32	@
DEBARY	4	31	2	53.35	7.52	0.00	0.00	60.87	1.00	60.87	
DEBARY	5	32	1	64.32	7.49	0.00	0.00	71.80	1.00	71.80	@
DEBARY	5	32	2	52.25	7.49	0.00	0.00	59.73	1.00	59.73	
DEBARY	6	33	1	61.45	7.31	0.00	0.00	68.76	1.00	68.76	@
DEBARY	6	33	2	50.26	7.31	0.00	0.00	57.57	1.00	57.57	
DEBARY	7	34	1	37.55	1.57	1.22	0.00	40.34	1.00	40.34	@
DEBARY	7	34	2	31.82	1.57	1.04	0.00	34.42	1.00	34.42	
DEBARY	8	35	1	37.55	1.57	1.22	0.00	40.34	1.00	40.34	@
DEBARY	8	35	2	31.65	1.57	1.03	0.00	34.25	1.00	34.25	
DEBARY	9	36	1	37.55	1.57	1.22	0.00	40.34	1.00	40.34	@
DEBARY	9	36	2	31.65	1.57	1.03	0.00	34.25	1.00	34.25	
DEBARY	10	37	1	63.38	5.92	0.00	0.00	69.30	1.00	69.30	@
DEBARY	10	37	2	54.95	5.92	0.00	0.00	60.88	1.00	60.88	
INT CITY	1	42	1	64.59	4.93	0.00	0.00	69.52	1.00	69.52	@
INT CITY	1	42	2	51.74	4.93	0.00	0.00	56.67	1.00	56.67	

* INT CITY	2	43	1	72.04	5.11	0.00	0.00	77.14	1.00	77.14 @	*
* INT CITY	2	43	2	63.17	5.11	0.00	0.00	68.28	1.00	68.28	*
* INT CITY	3	44	1	64.47	4.93	0.00	0.00	69.41	1.00	69.41 @	*
* INT CITY	3	44	2	50.42	4.93	0.00	0.00	55.36	1.00	55.36	*
* INT CITY	4	45	1	67.78	5.01	0.00	0.00	72.79	1.00	72.79 @	*
* INT CITY	4	45	2	56.61	5.01	0.00	0.00	61.62	1.00	61.62	*
* INT CITY	5	46	1	63.70	4.91	0.00	0.00	68.61	1.00	68.61 @	*
* INT CITY	5	46	2	48.18	4.91	0.00	0.00	53.10	1.00	53.10	*
* INT CITY	6	47	1	64.85	4.94	0.00	0.00	69.79	1.00	69.79 @	*
* INT CITY	6	47	2	51.10	4.94	0.00	0.00	56.05	1.00	56.05	*
* INT CITY	7	48	1	37.74	1.83	1.23	0.00	40.80	1.00	40.80 @	*
* INT CITY	7	48	2	32.13	1.83	1.05	0.00	35.01	1.00	35.01	*
* INT CITY	8	49	1	37.22	1.83	1.21	0.00	40.26	1.00	40.26 @	*
* INT CITY	8	49	2	31.61	1.83	1.03	0.00	34.47	1.00	34.47	*
* INT CITY	9	50	1	37.72	1.83	1.23	0.00	40.78	1.00	40.78 @	*
* INT CITY	9	50	2	32.12	1.83	1.05	0.00	35.00	1.00	35.00	*
* INT CITY	10	51	1	37.82	1.83	1.23	0.00	40.88	1.00	40.88 @	*
* INT CITY	10	51	2	32.31	1.83	1.05	0.00	35.20	1.00	35.20	*
* INT CITY	11	52	1	58.65	6.40	0.00	0.00	65.04	1.00	65.04 @	*
* INT CITY	11	52	2	56.46	6.40	0.00	0.00	62.86	1.00	62.86	*
* P SWAN	1	54	1	37.39	3.42	7.31	0.00	48.12	1.00	48.12 @	*
* P SWAN	1	54	2	28.36	3.42	5.54	0.00	37.33	1.00	37.33	*
* P SWAN	2	55	1	37.39	3.42	7.31	0.00	48.12	1.00	48.12 @	*
* P SWAN	2	55	2	28.36	3.42	5.54	0.00	37.33	1.00	37.33	*
* P SWAN	3	56	1	37.39	3.42	7.31	0.00	48.12	1.00	48.12 @	*
* P SWAN	3	56	2	28.95	3.42	5.66	0.00	38.03	1.00	38.03	*
* PTURNER	3	59	1	67.95	8.19	0.00	0.00	76.14	1.00	76.14 @	*
* PTURNER	3	59	2	53.90	8.19	0.00	0.00	62.10	1.00	62.10	*
* PTURNER	4	60	1	69.76	8.30	0.00	0.00	78.06	1.00	78.06 @	*
* PTURNER	4	60	2	55.01	8.30	0.00	0.00	63.31	1.00	63.31	*
* INT CITY	12	61	1	37.72	1.83	1.23	0.00	40.78	1.00	40.78 @	*
* INT CITY	12	61	2	32.12	1.83	1.05	0.00	35.00	1.00	35.00	*
* INT CITY	13	62	1	37.72	1.83	1.23	0.00	40.78	1.00	40.78 @	*
* INT CITY	13	62	2	32.12	1.83	1.05	0.00	35.00	1.00	35.00	*
* INT CITY	14	63	1	37.72	1.83	1.23	0.00	40.78	1.00	40.78 @	*
* INT CITY	14	63	2	32.12	1.83	1.05	0.00	35.00	1.00	35.00	*
* MILL UPS	1	70	1	15.40	0.00	0.00	0.00	15.40	1.00	15.40	*
* MILL UPS	1	70	2	15.40	0.00	0.00	0.00	15.40	1.00	15.40	*
* TECO	1	71	1	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* TECO	1	71	2	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* CCM2 F	598	598	1	20.87	2.66	0.00	0.00	23.53	1.00	23.53 @	*
* CCM2 F	598	598	2	17.52	2.66	0.00	0.00	20.18	1.00	20.18	*
* CCM1 F	599	599	1	20.87	2.66	0.00	0.00	23.53	1.00	23.53 @	*
* CCM1 F	599	599	2	17.52	2.66	0.00	0.00	20.18	1.00	20.18	*
* CCH2 F	600	600	1	20.87	2.66	0.00	0.00	23.53	1.00	23.53 @	*
* CCH2 F	600	600	2	17.52	2.66	0.00	0.00	20.18	1.00	20.18	*

*

* NOTE: A DISPATCH LAMBDA FOLLOWED BY @ REPRESENTS THE MOST EFFICIENT SEGMENT. THIS IS A *
* RESULT OF THE MOST EFFICIENT HEAT RATE SWITCH. *

*

DISPATCH LAMBDA AND BID PRICE DIAGNOSTIC

GAF DIAGNOSTIC # 11
YEAR: 2008 SEASON: 8 AUGUST

PLANT NAME	UNIT #	INDEX #	SEG #	FUEL $/MWH	VAR O&M	FUEL AUX COST	EMISS. ADDER	TOTAL $/MWH	PEN. FACT.	COST $/MWH	BID PRICE $/MWH
ANCLOTE	1	1	1	28.79	0.16	0.94	0.00	29.89	1.00	29.89	@
ANCLOTE	1	1	2	26.80	0.16	0.87	0.00	27.84	1.00	27.84	
ANCLOTE	2	2	1	28.88	0.16	0.94	0.00	29.98	1.00	29.98	@
ANCLOTE	2	2	2	26.63	0.16	0.87	0.00	27.65	1.00	27.65	
BARTOW	1	3	1	25.79	3.05	0.00	0.00	28.84	1.00	28.84	@
BARTOW	1	3	2	23.56	3.05	0.00	0.00	26.61	1.00	26.61	
BARTOW	2	4	1	26.32	3.05	0.00	0.00	29.38	1.00	29.38	@
BARTOW	2	4	2	24.23	3.05	0.00	0.00	27.28	1.00	27.28	
BARTOW	3	5	1	24.66	3.05	0.00	0.00	27.72	1.00	27.72	@
BARTOW	3	5	2	23.11	3.05	0.00	0.00	26.16	1.00	26.16	
CRYSTAL	1	6	1	16.49	0.03	0.00	0.00	16.52	1.00	16.52	@
CRYSTAL	1	6	2	14.73	0.03	0.00	0.00	14.76	1.00	14.76	
CRYSTAL	2	7	1	16.21	0.03	0.00	0.00	16.24	1.00	16.24	@
CRYSTAL	2	7	2	15.10	0.03	0.00	0.00	15.13	1.00	15.13	
CR NUC	3	8	1	3.76	0.00	0.00	0.00	3.76	1.00	3.76	
CR NUC	3	8	2	4.07	0.00	0.00	0.00	4.07	1.00	4.07	
CRYSTAL	4	9	1	18.24	0.06	0.11	0.00	18.42	1.00	18.42	@
CRYSTAL	4	9	2	16.75	0.06	0.10	0.00	16.92	1.00	16.92	
CRYSTAL	5	10	1	17.01	0.06	0.00	0.00	17.07	1.00	17.07	@
CRYSTAL	5	10	2	15.61	0.06	0.00	0.00	15.67	1.00	15.67	
HINES	11	11	1	21.35	0.00	0.70	0.00	22.04	1.00	22.04	@
HINES	11	11	2	20.56	0.00	0.67	0.00	21.23	1.00	21.23	
HINES	12	12	1	21.35	0.00	0.70	0.00	22.04	1.00	22.04	@
HINES	12	12	2	20.56	0.00	0.67	0.00	21.23	1.00	21.23	
TIGERBAY	1	16	1	22.97	0.25	0.73	0.00	23.95	1.00	23.95	@
TIGERBAY	1	16	2	18.45	0.25	0.59	0.00	19.29	1.00	19.29	
UNIVERS	1	17	1	28.71	0.78	1.87	0.00	31.36	1.00	31.36	
PBARTOW	1	20	1	68.90	6.90	0.00	0.00	75.79	1.00	75.79	@
PBARTOW	1	20	2	51.41	6.90	0.00	0.00	58.30	1.00	58.30	
PBARTOW	2	21	1	43.12	2.30	1.40	0.00	46.82	1.00	46.82	@
PBARTOW	2	21	2	34.15	2.30	1.11	0.00	37.56	1.00	37.56	
PBARTOW	3	22	1	69.53	6.92	0.00	0.00	76.46	1.00	76.46	@
PBARTOW	3	22	2	52.31	6.92	0.00	0.00	59.24	1.00	59.24	
PBARTOW	4	23	1	41.81	2.30	1.36	0.00	45.48	1.00	45.48	@
PBARTOW	4	23	2	30.61	2.30	1.00	0.00	33.91	1.00	33.91	
PBAYBORO	1	24	1	71.53	6.11	0.00	0.00	77.65	1.00	77.65	@
PBAYBORO	1	24	2	54.35	6.11	0.00	0.00	60.46	1.00	60.46	
PBAYBORO	2	25	1	75.23	6.24	0.00	0.00	81.47	1.00	81.47	@
PBAYBORO	2	25	2	55.13	6.24	0.00	0.00	61.37	1.00	61.37	
PBAYBORO	3	26	1	69.63	6.04	0.00	0.00	75.66	1.00	75.66	@
PBAYBORO	3	26	2	52.74	6.04	0.00	0.00	58.78	1.00	58.78	
PBAYBORO	4	27	1	70.77	6.08	0.00	0.00	76.85	1.00	76.85	@
PBAYBORO	4	27	2	52.98	6.08	0.00	0.00	59.06	1.00	59.06	
DEBARY	1	28	1	64.95	7.38	0.00	0.00	72.33	1.00	72.33	@
DEBARY	1	28	2	50.87	7.38	0.00	0.00	58.25	1.00	58.25	
DEBARY	2	29	1	62.56	7.24	0.00	0.00	69.80	1.00	69.80	@
DEBARY	2	29	2	49.06	7.24	0.00	0.00	56.30	1.00	56.30	
DEBARY	3	30	1	65.28	7.40	0.00	0.00	72.68	1.00	72.68	@
DEBARY	3	30	2	50.66	7.40	0.00	0.00	58.06	1.00	58.06	
DEBARY	4	31	1	67.14	7.52	0.00	0.00	74.66	1.00	74.66	@
DEBARY	4	31	2	53.35	7.52	0.00	0.00	60.87	1.00	60.87	
DEBARY	5	32	1	66.78	7.49	0.00	0.00	74.26	1.00	74.26	@
DEBARY	5	32	2	52.25	7.49	0.00	0.00	59.73	1.00	59.73	
DEBARY	6	33	1	63.73	7.31	0.00	0.00	71.04	1.00	71.04	@
DEBARY	6	33	2	50.26	7.31	0.00	0.00	57.57	1.00	57.57	
DEBARY	7	34	1	38.09	1.57	1.24	0.00	40.90	1.00	40.90	@
DEBARY	7	34	2	31.82	1.57	1.04	0.00	34.42	1.00	34.42	
DEBARY	8	35	1	38.10	1.57	1.24	0.00	40.91	1.00	40.91	@
DEBARY	8	35	2	31.65	1.57	1.03	0.00	34.25	1.00	34.25	
DEBARY	9	36	1	38.10	1.57	1.24	0.00	40.91	1.00	40.91	@
DEBARY	9	36	2	31.65	1.57	1.03	0.00	34.25	1.00	34.25	
DEBARY	10	37	1	64.28	5.92	0.00	0.00	70.20	1.00	70.20	@
DEBARY	10	37	2	54.95	5.92	0.00	0.00	60.88	1.00	60.88	
INT CITY	1	42	1	67.74	4.93	0.00	0.00	72.67	1.00	72.67	@
INT CITY	1	42	2	51.74	4.93	0.00	0.00	56.67	1.00	56.67	

* INT CITY	2	43	1	74.21	5.11	0.00	0.00	79.31	1.00	79.31 @	*
* INT CITY	2	43	2	63.17	5.11	0.00	0.00	68.28	1.00	68.28	*
* INT CITY	3	44	1	67.91	4.93	0.00	0.00	72.85	1.00	72.85 @	*
* INT CITY	3	44	2	50.42	4.93	0.00	0.00	55.36	1.00	55.36	*
* INT CITY	4	45	1	70.52	5.01	0.00	0.00	75.53	1.00	75.53 @	*
* INT CITY	4	45	2	56.61	5.01	0.00	0.00	61.62	1.00	61.62	*
* INT CITY	5	46	1	67.50	4.91	0.00	0.00	72.41	1.00	72.41 @	*
* INT CITY	5	46	2	48.18	4.91	0.00	0.00	53.10	1.00	53.10	*
* INT CITY	6	47	1	68.21	4.94	0.00	0.00	73.16	1.00	73.16 @	*
* INT CITY	6	47	2	51.10	4.94	0.00	0.00	56.05	1.00	56.05	*
* INT CITY	7	48	1	38.12	1.83	1.24	0.00	41.19	1.00	41.19 @	*
* INT CITY	7	48	2	32.13	1.83	1.05	0.00	35.01	1.00	35.01	*
* INT CITY	8	49	1	37.60	1.83	1.22	0.00	40.65	1.00	40.65 @	*
* INT CITY	8	49	2	31.61	1.83	1.03	0.00	34.47	1.00	34.47	*
* INT CITY	9	50	1	38.10	1.83	1.24	0.00	41.17	1.00	41.17 @	*
* INT CITY	9	50	2	32.12	1.83	1.05	0.00	35.00	1.00	35.00	*
* INT CITY	10	51	1	38.20	1.83	1.24	0.00	41.27	1.00	41.27 @	*
* INT CITY	10	51	2	32.31	1.83	1.05	0.00	35.20	1.00	35.20	*
* P SWAN	1	54	1	39.36	3.42	7.69	0.00	50.47	1.00	50.47 @	*
* P SWAN	1	54	2	28.36	3.42	5.54	0.00	37.33	1.00	37.33	*
* P SWAN	2	55	1	39.56	3.42	7.73	0.00	50.72	1.00	50.72 @	*
* P SWAN	2	55	2	28.36	3.42	5.54	0.00	37.33	1.00	37.33	*
* P SWAN	3	56	1	39.23	3.42	7.67	0.00	50.32	1.00	50.32 @	*
* P SWAN	3	56	2	28.95	3.42	5.66	0.00	38.03	1.00	38.03	*
* PTURNER	3	59	1	71.62	8.19	0.00	0.00	79.82	1.00	79.82 @	*
* PTURNER	3	59	2	53.90	8.19	0.00	0.00	62.10	1.00	62.10	*
* PTURNER	4	60	1	73.75	8.30	0.00	0.00	82.04	1.00	82.04 @	*
* PTURNER	4	60	2	55.01	8.30	0.00	0.00	63.31	1.00	63.31	*
* INT CITY	12	61	1	38.70	1.83	1.26	0.00	41.79	1.00	41.79 @	*
* INT CITY	12	61	2	32.12	1.83	1.05	0.00	35.00	1.00	35.00	*
* INT CITY	13	62	1	38.70	1.83	1.26	0.00	41.79	1.00	41.79 @	*
* INT CITY	13	62	2	32.12	1.83	1.05	0.00	35.00	1.00	35.00	*
* INT CITY	14	63	1	38.70	1.83	1.26	0.00	41.79	1.00	41.79 @	*
* INT CITY	14	63	2	32.12	1.83	1.05	0.00	35.00	1.00	35.00	*
* MILL UPS	1	70	1	15.40	0.00	0.00	0.00	15.40	1.00	15.40	*
* MILL UPS	1	70	2	15.40	0.00	0.00	0.00	15.40	1.00	15.40	*
* TECO	1	71	1	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* TECO	1	71	2	27.00	0.00	0.00	0.00	27.00	1.00	27.00	*
* CCM2 F	598	598	1	21.36	2.66	0.00	0.00	24.02	1.00	24.02 @	*
* CCM2 F	598	598	2	17.52	2.66	0.00	0.00	20.18	1.00	20.18	*
* CCM1 F	599	599	1	21.36	2.66	0.00	0.00	24.02	1.00	24.02 @	*
* CCM1 F	599	599	2	17.52	2.66	0.00	0.00	20.18	1.00	20.18	*
* CCH2 F	600	600	1	21.36	2.66	0.00	0.00	24.02	1.00	24.02 @	*
* CCH2 F	600	600	2	17.52	2.66	0.00	0.00	20.18	1.00	20.18	*

*

* NOTE: A DISPATCH LAMBDA FOLLOWED BY @ REPRESENTS THE MOST EFFICIENT SEGMENT. THIS IS A *
*   RESULT OF THE MOST EFFICIENT HEAT RATE SWITCH.   *

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25. Refer to page 14 of John B. Crisp's direct testimony. Provide the historic and projected capacity factors for each unit in the "Base Expansion Plan" at the time of summer and winter peak for the years 1996-2008.

Answer:

Attached.

25. Refer to page 14 of John B. Crisp's direct testimony. Provide the historic and projected capacity factors for each unit in the "Base Expansion Plan" at the time of summer and winter peak for the years 1996-2008.

Unit Name	Year	Month	Capacity Factor
Anclote Unit 1	96	02	17.0%
Anclote Unit 2	96	02	31.4%
Bartow Unit 1	96	02	35.6%
Bartow Unit 2	96	02	37.5%
Bartow Unit 3	96	02	45.8%
Crystal River South Unit 1	96	02	75.7%
Crystal River South Unit 2	96	02	82.6%
Crystal River North Unit 4	96	02	85.4%
Crystal River North Unit 5	96	02	83.9%
Suwannee River Unit 1	96	02	7.7%
Suwannee River Unit 2	96	02	8.2%
Suwannee River Unit 3	96	02	11.9%
Crystal River Nuclear Unit 3	96	02	54.1%
Avon Park Unit 1	96	02	1.0%
Avon Park Unit 2	96	02	1.2%
Bartow Peaker Unit 1	96	02	3.4%
Bartow Peaker Unit 2	96	02	3.5%
Bartow Peaker Unit 3	96	02	3.2%
Bartow Peaker Unit 4	96	02	3.5%
Bayboro Unit 1	96	02	8.8%
Bayboro Unit 2	96	02	6.9%
Bayboro Unit 3	96	02	5.9%
Bayboro Unit 4	96	02	5.1%
DeBary Unit 1	96	02	1.7%
DeBary Unit 2	96	02	2.1%
DeBary Unit 3	96	02	1.6%
DeBary Unit 4	96	02	1.9%
DeBary Unit 5	96	02	1.6%
DeBary Unit 6	96	02	2.1%
Higgins Unit 1	96	02	1.7%
Higgins Unit 2	96	02	1.7%
Higgins Unit 3	96	02	1.5%
Higgins Unit 4	96	02	1.7%
Intercession City Unit 1	96	02	1.7%
Intercession City Unit 2	96	02	2.0%
Intercession City Unit 3	96	02	1.2%
Intercession City Unit 4	96	02	2.1%
Intercession City Unit 5	96	02	1.5%
Intercession City Unit 6	96	02	2.4%

Port St. Joe Unit 1	96	02	1.8%
Rio Pinar Unit 1	96	02	1.1%
Suwannee River Peaker Unit 1	96	02	4.5%
Suwannee River Peaker Unit 2	96	02	3.4%
Suwannee River Peaker Unit 3	96	02	1.8%
Turner Unit 1	96	02	1.1%
Turner Unit 2	96	02	1.0%
Turner Unit 3	96	02	5.5%
Turner Unit 4	96	02	5.3%
DeBary Unit 7	96	02	3.8%
DeBary Unit 8	96	02	3.6%
DeBary Unit 9	96	02	3.3%
DeBary Unit 10	96	02	3.1%
Intercession City Unit 7	96	02	5.6%
Intercession City Unit 8	96	02	5.2%
Intercession City Unit 9	96	02	5.1%
Intercession City Unit 10	96	02	4.2%
Intercession City Unit 11	96	02	0.0%
University of Florida Unit 1	96	02	91.8%

Unit Name	Year	Month	Capacity Factor
Anclote Unit 1	96	07	57.7%
Anclote Unit 2	96	07	59.0%
Bartow Unit 1	96	07	67.9%
Bartow Unit 2	96	07	61.0%
Bartow Unit 3	96	07	37.7%
Crystal River South Unit 1	96	07	78.6%
Crystal River South Unit 2	96	07	78.5%
Crystal River North Unit 4	96	07	74.0%
Crystal River North Unit 5	96	07	88.3%
Suwannee River Unit 1	96	07	37.2%
Suwannee River Unit 2	96	07	28.4%
Suwannee River Unit 3	96	07	57.3%
Crystal River Nuclear Unit 3	96	07	98.4%
Avon Park Unit 1	96	07	7.5%
Avon Park Unit 2	96	07	0.0%
Bartow Peaker Unit 1	96	07	6.7%
Bartow Peaker Unit 2	96	07	8.2%
Bartow Peaker Unit 3	96	07	7.6%
Bartow Peaker Unit 4	96	07	6.7%
Bayboro Unit 1	96	07	17.7%
Bayboro Unit 2	96	07	11.2%
Bayboro Unit 3	96	07	18.6%
Bayboro Unit 4	96	07	16.1%
DeBary Unit 1	96	07	1.5%
DeBary Unit 2	96	07	1.0%
DeBary Unit 3	96	07	0.7%
DeBary Unit 4	96	07	0.9%
DeBary Unit 5	96	07	1.3%
DeBary Unit 6	96	07	1.0%
Higgins Unit 1	96	07	8.7%
Higgins Unit 2	96	07	9.4%
Higgins Unit 3	96	07	4.0%
Higgins Unit 4	96	07	10.7%
Intercession City Unit 1	96	07	0.5%
Intercession City Unit 2	96	07	1.3%
Intercession City Unit 3	96	07	1.8%
Intercession City Unit 4	96	07	2.0%
Intercession City Unit 5	96	07	2.2%
Intercession City Unit 6	96	07	3.9%
Port St. Joe Unit 1	96	07	0.0%
Rio Pinar Unit 1	96	07	0.0%
Suwannee River Peaker Unit 1	96	07	0.7%
Suwannee River Peaker Unit 2	96	07	0.6%

Suwannee River Peaker Unit 3	96	07	0.4%
Turner Unit 1	96	07	0.0%
Turner Unit 2	96	07	0.0%
Turner Unit 3	96	07	1.7%
Turner Unit 4	96	07	1.2%
DeBary Unit 7	96	07	4.9%
DeBary Unit 8	96	07	5.8%
DeBary Unit 9	96	07	5.8%
DeBary Unit 10	96	07	5.0%
Intercession City Unit 7	96	07	18.7%
Intercession City Unit 8	96	07	18.3%
Intercession City Unit 9	96	07	18.2%
Intercession City Unit 10	96	07	17.2%
Intercession City Unit 11	96	07	0.0%
University of Florida Unit 1	96	07	88.1%

Unit Name	Year	Month	Capacity Factor
Anclote Unit 1	97	01	22.3%
Anclote Unit 2	97	01	23.6%
Bartow Unit 1	97	01	54.0%
Bartow Unit 2	97	01	55.1%
Bartow Unit 3	97	01	59.4%
Crystal River South Unit 1	97	01	74.7%
Crystal River South Unit 2	97	01	64.9%
Crystal River North Unit 4	97	01	86.1%
Crystal River North Unit 5	97	01	88.0%
Suwannee River Unit 1	97	01	9.8%
Suwannee River Unit 2	97	01	10.7%
Suwannee River Unit 3	97	01	11.9%
Crystal River Nuclear Unit 3	97	01	0.0%
Avon Park Unit 1	97	01	4.0%
Avon Park Unit 2	97	01	1.3%
Bartow Peaker Unit 1	97	01	1.0%
Bartow Peaker Unit 2	97	01	1.1%
Bartow Peaker Unit 3	97	01	1.0%
Bartow Peaker Unit 4	97	01	1.0%
Bayboro Unit 1	97	01	5.5%
Bayboro Unit 2	97	01	2.9%
Bayboro Unit 3	97	01	3.4%
Bayboro Unit 4	97	01	2.9%
DeBary Unit 1	97	01	3.1%
DeBary Unit 2	97	01	2.6%
DeBary Unit 3	97	01	2.6%
DeBary Unit 4	97	01	2.7%
DeBary Unit 5	97	01	2.9%
DeBary Unit 6	97	01	2.4%
Higgins Unit 1	97	01	2.8%
Higgins Unit 2	97	01	5.2%
Higgins Unit 3	97	01	5.0%
Higgins Unit 4	97	01	5.7%
Intercession City Unit 1	97	01	2.0%
Intercession City Unit 2	97	01	2.1%
Intercession City Unit 3	97	01	2.4%
Intercession City Unit 4	97	01	2.8%
Intercession City Unit 5	97	01	2.5%
Intercession City Unit 6	97	01	2.4%
Port St. Joe Unit 1	97	01	0.5%
Rio Pinar Unit 1	97	01	1.1%
Suwannee River Peaker Unit 1	97	01	2.1%
Suwannee River Peaker Unit 2	97	01	2.4%

Suwannee River Peaker Unit 3	97	01	2.3%
Turner Unit 1	97	01	1.3%
Turner Unit 2	97	01	1.3%
Turner Unit 3	97	01	1.8%
Turner Unit 4	97	01	1.7%
DeBary Unit 7	97	01	4.6%
DeBary Unit 8	97	01	4.7%
DeBary Unit 9	97	01	4.8%
DeBary Unit 10	97	01	4.7%
Intercession City Unit 7	97	01	10.2%
Intercession City Unit 8	97	01	9.1%
Intercession City Unit 9	97	01	9.9%
Intercession City Unit 10	97	01	9.2%
Intercession City Unit 11	97	01	3.8%
University of Florida Unit 1	97	01	101.2%

Unit Name	Year	Month	Capacity Factor
Anclote Unit 1	97	07	59.0%
Anclote Unit 2	97	07	60.9%
Bartow Unit 1	97	07	83.0%
Bartow Unit 2	97	07	75.6%
Bartow Unit 3	97	07	65.9%
Crystal River South Unit 1	97	07	81.5%
Crystal River South Unit 2	97	07	92.2%
Crystal River North Unit 4	97	07	99.6%
Crystal River North Unit 5	97	07	100.0%
Suwannee River Unit 1	97	07	51.1%
Suwannee River Unit 2	97	07	51.7%
Suwannee River Unit 3	97	07	73.4%
Crystal River Nuclear Unit 3	97	07	0.0%
Avon Park Unit 1	97	07	27.1%
Avon Park Unit 2	97	07	6.1%
Bartow Peaker Unit 1	97	07	8.7%
Bartow Peaker Unit 2	97	07	26.5%
Bartow Peaker Unit 3	97	07	9.0%
Bartow Peaker Unit 4	97	07	28.3%
Bayboro Unit 1	97	07	17.7%
Bayboro Unit 2	97	07	16.1%
Bayboro Unit 3	97	07	6.6%
Bayboro Unit 4	97	07	13.5%
DeBary Unit 1	97	07	6.6%
DeBary Unit 2	97	07	9.6%
DeBary Unit 3	97	07	5.7%
DeBary Unit 4	97	07	10.3%
DeBary Unit 5	97	07	7.3%
DeBary Unit 6	97	07	10.1%
Higgins Unit 1	97	07	11.0%
Higgins Unit 2	97	07	14.0%
Higgins Unit 3	97	07	21.6%
Higgins Unit 4	97	07	11.8%
Intercession City Unit 1	97	07	10.7%
Intercession City Unit 2	97	07	11.6%
Intercession City Unit 3	97	07	11.7%
Intercession City Unit 4	97	07	13.1%
Intercession City Unit 5	97	07	4.5%
Intercession City Unit 6	97	07	11.2%
Rio Pinar Unit 1	97	07	5.3%
Suwannee River Peaker Unit 1	97	07	27.4%
Suwannee River Peaker Unit 2	97	07	16.4%
Suwannee River Peaker Unit 3	97	07	7.4%

Turner Unit 1	97	07	8.9%
Turner Unit 2	97	07	3.7%
Turner Unit 3	97	07	0.8%
Turner Unit 4	97	07	7.6%
DeBary Unit 7	97	07	31.7%
DeBary Unit 8	97	07	14.2%
DeBary Unit 9	97	07	32.1%
DeBary Unit 10	97	07	14.5%
Intercession City Unit 7	97	07	29.4%
Intercession City Unit 8	97	07	28.8%
Intercession City Unit 9	97	07	28.4%
Intercession City Unit 10	97	07	27.6%
Intercession City Unit 11	97	07	9.9%
University of Florida Unit 1	97	07	100.1%
Tiger Bay	97	07	45.8%

Unit Name	Year	Month	Capacity Factor
Anclote Unit 1	98	03	42.3%
Anclote Unit 2	98	03	41.8%
Bartow Unit 1	98	03	77.3%
Bartow Unit 2	98	03	39.8%
Bartow Unit 3	98	03	84.2%
Crystal River South Unit 1	98	03	77.8%
Crystal River South Unit 2	98	03	71.9%
Crystal River North Unit 4	98	03	15.1%
Crystal River North Unit 5	98	03	88.2%
Suwannee River Unit 1	98	03	6.9%
Suwannee River Unit 2	98	03	6.9%
Suwannee River Unit 3	98	03	7.0%
Crystal River Nuclear Unit 3	98	03	103.8%
Avon Park Unit 1	98	03	6.6%
Avon Park Unit 2	98	03	0.1%
Bartow Peaker Unit 1	98	03	0.2%
Bartow Peaker Unit 2	98	03	9.8%
Bartow Peaker Unit 3	98	03	0.2%
Bartow Peaker Unit 4	98	03	10.5%
Bayboro Unit 1	98	03	0.4%
Bayboro Unit 2	98	03	0.0%
Bayboro Unit 3	98	03	0.3%
Bayboro Unit 4	98	03	0.2%
DeBary Unit 1	98	03	0.8%
DeBary Unit 2	98	03	0.6%
DeBary Unit 3	98	03	0.8%
DeBary Unit 4	98	03	0.6%
DeBary Unit 5	98	03	0.6%
DeBary Unit 6	98	03	0.7%
Higgins Unit 1	98	03	0.0%
Higgins Unit 2	98	03	0.1%
Higgins Unit 3	98	03	5.7%
Higgins Unit 4	98	03	5.7%
Intercession City Unit 1	98	03	1.4%
Intercession City Unit 2	98	03	1.8%
Intercession City Unit 3	98	03	1.7%
Intercession City Unit 4	98	03	2.2%
Intercession City Unit 5	98	03	1.5%
Intercession City Unit 6	98	03	0.8%
Rio Pinar Unit 1	98	03	0.0%
Suwannee River Peaker Unit 1	98	03	0.4%
Suwannee River Peaker Unit 2	98	03	1.0%
Suwannee River Peaker Unit 3	98	03	0.0%

Turner Unit 1	98	03	0.3%
Turner Unit 2	98	03	0.3%
Turner Unit 3	98	03	0.0%
Turner Unit 4	98	03	1.2%
DeBary Unit 7	98	03	6.2%
DeBary Unit 8	98	03	0.8%
DeBary Unit 9	98	03	5.1%
DeBary Unit 10	98	03	1.2%
Intercession City Unit 7	98	03	6.8%
Intercession City Unit 8	98	03	7.2%
Intercession City Unit 9	98	03	6.9%
Intercession City Unit 10	98	03	7.5%
Intercession City Unit 11	98	03	3.4%
University of Florida Unit 1	98	03	53.3%
Tiger Bay	98	03	58.7%

Unit Name	Year	Month	Capacity Factor
Anclote Unit 1	98	07	64.8%
Anclote Unit 2	98	07	68.0%
Bartow Unit 1	98	07	75.9%
Bartow Unit 2	98	07	79.7%
Bartow Unit 3	98	07	73.2%
Crystal River South Unit 1	98	07	38.3%
Crystal River South Unit 2	98	07	98.1%
Crystal River North Unit 4	98	07	98.4%
Crystal River North Unit 5	98	07	93.8%
Suwannee River Unit 1	98	07	84.0%
Suwannee River Unit 2	98	07	82.8%
Suwannee River Unit 3	98	07	60.9%
Crystal River Nuclear Unit 3	98	07	100.1%
Avon Park Unit 1	98	07	0.0%
Avon Park Unit 2	98	07	11.5%
Bartow Peaker Unit 1	98	07	17.3%
Bartow Peaker Unit 2	98	07	40.2%
Bartow Peaker Unit 3	98	07	12.3%
Bartow Peaker Unit 4	98	07	42.7%
Bayboro Unit 1	98	07	19.1%
Bayboro Unit 2	98	07	19.8%
Bayboro Unit 3	98	07	10.2%
Bayboro Unit 4	98	07	15.4%
DeBary Unit 1	98	07	10.5%
DeBary Unit 2	98	07	11.6%
DeBary Unit 3	98	07	9.7%
DeBary Unit 4	98	07	11.7%
DeBary Unit 5	98	07	10.0%
DeBary Unit 6	98	07	11.4%
Higgins Unit 1	98	07	11.9%
Higgins Unit 2	98	07	13.6%
Higgins Unit 3	98	07	29.1%
Higgins Unit 4	98	07	19.5%
Intercession City Unit 1	98	07	16.2%
Intercession City Unit 2	98	07	17.9%
Intercession City Unit 3	98	07	15.5%
Intercession City Unit 4	98	07	14.5%
Intercession City Unit 5	98	07	17.0%
Intercession City Unit 6	98	07	16.4%
Rio Pinar Unit 1	98	07	7.8%
Suwannee River Peaker Unit 1	98	07	26.1%
Suwannee River Peaker Unit 2	98	07	21.3%
Suwannee River Peaker Unit 3	98	07	35.1%

Turner Unit 1	98	07	10.3%
Turner Unit 2	98	07	9.9%
Turner Unit 3	98	07	4.8%
Turner Unit 4	98	07	16.5%
DeBary Unit 7	98	07	40.3%
DeBary Unit 8	98	07	20.3%
DeBary Unit 9	98	07	40.2%
DeBary Unit 10	98	07	20.7%
Intercession City Unit 7	98	07	34.5%
Intercession City Unit 8	98	07	34.7%
Intercession City Unit 9	98	07	35.0%
Intercession City Unit 10	98	07	34.8%
Intercession City Unit 11	98	07	23.4%
University of Florida Unit 1	98	07	23.8%
Tiger Bay	98	07	84.1%

Unit Name	Year	Month	Capacity Factor
Anclote Unit 1	99	01	47.9%
Anclote Unit 2	99	01	62.6%
Bartow Unit 1	99	01	82.5%
Bartow Unit 2	99	01	79.9%
Bartow Unit 3	99	01	85.8%
Crystal River South Unit 1	99	01	52.9%
Crystal River South Unit 2	99	01	55.4%
Crystal River North Unit 4	99	01	46.5%
Crystal River North Unit 5	99	01	76.2%
Suwannee River Unit 1	99	01	10.7%
Suwannee River Unit 2	99	01	10.6%
Suwannee River Unit 3	99	01	9.3%
Crystal River Nuclear Unit 3	99	01	104.0%
Avon Park Unit 1	99	01	2.8%
Avon Park Unit 2	99	01	2.7%
Bartow Peaker Unit 1	99	01	2.7%
Bartow Peaker Unit 2	99	01	4.5%
Bartow Peaker Unit 3	99	01	0.2%
Bartow Peaker Unit 4	99	01	3.6%
Bayboro Unit 1	99	01	3.3%
Bayboro Unit 2	99	01	3.7%
Bayboro Unit 3	99	01	3.3%
Bayboro Unit 4	99	01	3.5%
DeBary Unit 1	99	01	3.3%
DeBary Unit 2	99	01	2.9%
DeBary Unit 3	99	01	2.7%
DeBary Unit 4	99	01	2.7%
DeBary Unit 5	99	01	2.9%
DeBary Unit 6	99	01	3.1%
Higgins Unit 1	99	01	0.8%
Higgins Unit 2	99	01	0.9%
Higgins Unit 3	99	01	4.1%
Higgins Unit 4	99	01	1.6%
Intercession City Unit 1	99	01	2.7%
Intercession City Unit 2	99	01	2.0%
Intercession City Unit 3	99	01	4.5%
Intercession City Unit 4	99	01	4.1%
Intercession City Unit 5	99	01	4.1%
Intercession City Unit 6	99	01	2.7%
Rio Pinar Unit 1	99	01	1.1%
Suwannee River Peaker Unit 1	99	01	5.2%
Suwannee River Peaker Unit 2	99	01	6.4%
Suwannee River Peaker Unit 3	99	01	5.9%

Turner Unit 1	99	01	1.8%
Turner Unit 2	99	01	1.9%
Turner Unit 3	99	01	0.1%
Turner Unit 4	99	01	5.0%
DeBary Unit 7	99	01	7.5%
DeBary Unit 8	99	01	4.6%
DeBary Unit 9	99	01	7.5%
DeBary Unit 10	99	01	5.3%
Intercession City Unit 7	99	01	6.1%
Intercession City Unit 8	99	01	7.0%
Intercession City Unit 9	99	01	7.3%
Intercession City Unit 10	99	01	6.3%
Intercession City Unit 11	99	01	0.0%
University of Florida Unit 1	99	01	46.1%
Tiger Bay	99	01	14.2%
Hines Energy Complex 1	99	01	15.3%

Unit Name	Year	Month	Capacity Factor
Anclote Unit 1	99	08	63.0%
Anclote Unit 2	99	08	61.8%
Bartow Unit 1	99	08	67.4%
Bartow Unit 2	99	08	73.6%
Bartow Unit 3	99	08	77.6%
Crystal River South Unit 1	99	08	86.9%
Crystal River South Unit 2	99	08	84.0%
Crystal River North Unit 4	99	08	83.4%
Crystal River North Unit 5	99	08	97.3%
Suwannee River Unit 1	99	08	49.3%
Suwannee River Unit 2	99	08	94.8%
Suwannee River Unit 3	99	08	53.6%
Crystal River Nuclear Unit 3	99	08	101.4%
Avon Park Unit 1	99	08	26.1%
Avon Park Unit 2	99	08	10.2%
Bartow Peaker Unit 1	99	08	12.6%
Bartow Peaker Unit 2	99	08	29.2%
Bartow Peaker Unit 3	99	08	11.7%
Bartow Peaker Unit 4	99	08	30.8%
Bayboro Unit 1	99	08	16.0%
Bayboro Unit 2	99	08	12.5%
Bayboro Unit 3	99	08	11.0%
Bayboro Unit 4	99	08	12.5%
DeBary Unit 1	99	08	14.9%
DeBary Unit 2	99	08	14.0%
DeBary Unit 3	99	08	11.6%
DeBary Unit 4	99	08	15.7%
DeBary Unit 5	99	08	14.7%
DeBary Unit 6	99	08	13.6%
Higgins Unit 1	99	08	15.2%
Higgins Unit 2	99	08	15.2%
Higgins Unit 3	99	08	31.2%
Higgins Unit 4	99	08	16.8%
Intercession City Unit 1	99	08	7.8%
Intercession City Unit 2	99	08	11.5%
Intercession City Unit 3	99	08	7.0%
Intercession City Unit 4	99	08	14.4%
Intercession City Unit 5	99	08	6.0%
Intercession City Unit 6	99	08	15.1%
Rio Pinar Unit 1	99	08	11.5%
Suwannee River Peaker Unit 1	99	08	41.1%
Suwannee River Peaker Unit 2	99	08	16.8%
Suwannee River Peaker Unit 3	99	08	38.9%

Turner Unit 1	99	08	7.9%
Turner Unit 2	99	08	7.7%
Turner Unit 3	99	08	12.2%
Turner Unit 4	99	08	10.8%
DeBary Unit 7	99	08	32.8%
DeBary Unit 8	99	08	33.0%
DeBary Unit 9	99	08	35.2%
DeBary Unit 10	99	08	21.4%
Intercession City Unit 7	99	08	32.0%
Intercession City Unit 8	99	08	32.4%
Intercession City Unit 9	99	08	31.5%
Intercession City Unit 10	99	08	29.8%
Intercession City Unit 11	99	08	25.6%
University of Florida Unit 1	99	08	73.6%
Tiger Bay	99	08	77.8%
Hines Energy Complex 1	99	08	84.9%

Unit Name	Year	Month	Capacity Factor
Anclote Unit 1	0	01	28.5%
Anclote Unit 2	0	01	23.4%
Bartow Unit 1	0	01	13.0%
Bartow Unit 2	0	01	12.4%
Bartow Unit 3	0	01	39.0%
Crystal River South Unit 1	0	01	74.6%
Crystal River South Unit 2	0	01	58.0%
Crystal River North Unit 4	0	01	84.1%
Crystal River North Unit 5	0	01	86.2%
Suwannee River Unit 1	0	01	7.3%
Suwannee River Unit 2	0	01	6.8%
Suwannee River Unit 3	0	01	7.2%
Crystal River Nuclear Unit 3	0	01	101.1%
Avon Park Unit 1	0	01	2.4%
Avon Park Unit 2	0	01	0.9%
Bartow Peaker Unit 1	0	01	1.5%
Bartow Peaker Unit 2	0	01	5.8%
Bartow Peaker Unit 3	0	01	1.5%
Bartow Peaker Unit 4	0	01	5.5%
Bayboro Unit 1	0	01	4.9%
Bayboro Unit 2	0	01	2.7%
Bayboro Unit 3	0	01	2.1%
Bayboro Unit 4	0	01	2.5%
DeBary Unit 1	0	01	1.7%
DeBary Unit 2	0	01	1.6%
DeBary Unit 3	0	01	1.4%
DeBary Unit 4	0	01	1.5%
DeBary Unit 5	0	01	1.0%
DeBary Unit 6	0	01	1.3%
Higgins Unit 1	0	01	0.8%
Higgins Unit 2	0	01	1.4%
Higgins Unit 3	0	01	3.2%
Higgins Unit 4	0	01	1.6%
Intercession City Unit 1	0	01	1.8%
Intercession City Unit 2	0	01	1.7%
Intercession City Unit 3	0	01	1.3%
Intercession City Unit 4	0	01	1.5%
Intercession City Unit 5	0	01	2.1%
Intercession City Unit 6	0	01	2.9%
Rio Pinar Unit 1	0	01	1.0%
Suwannee River Peaker Unit 1	0	01	2.7%
Suwannee River Peaker Unit 2	0	01	2.8%
Suwannee River Peaker Unit 3	0	01	3.2%

Turner Unit 1	0	01	0.3%
Turner Unit 2	0	01	0.5%
Turner Unit 3	0	01	1.4%
Turner Unit 4	0	01	1.3%
DeBary Unit 7	0	01	12.2%
DeBary Unit 8	0	01	8.7%
DeBary Unit 9	0	01	10.5%
DeBary Unit 10	0	01	4.1%
Intercession City Unit 7	0	01	8.0%
Intercession City Unit 8	0	01	7.6%
Intercession City Unit 9	0	01	7.8%
Intercession City Unit 10	0	01	8.3%
Intercession City Unit 11	0	01	4.9%
University of Florida Unit 1	0	01	105.4%
Tiger Bay	0	01	73.2%
Hines Energy Complex 1	0	01	63.8%

Unit Name	Year	Month	Capacity Factor
Anclote Unit 1	0	08	70.1%
~~Anclote Unit 2~~	~~0~~	~~08~~	~~68.0%~~
Bartow Unit 1	0	08	68.1%
Bartow Unit 2	0	08	71.4%
Bartow Unit 3	0	08	69.0%
Crystal River South Unit 1	0	08	86.7%
Crystal River South Unit 2	0	08	0.0%
Crystal River North Unit 4	0	08	92.1%
Crystal River North Unit 5	0	08	91.1%
Suwannee River Unit 1	0	08	69.1%
Suwannee River Unit 2	0	08	66.3%
Suwannee River Unit 3	0	08	57.1%
Crystal River Nuclear Unit 3	0	08	97.2%
Avon Park Unit 1	0	08	18.4%
Avon Park Unit 2	0	08	8.2%
Bartow Peaker Unit 1	0	08	8.6%
Bartow Peaker Unit 2	0	08	25.6%
Bartow Peaker Unit 3	0	08	9.5%
Bartow Peaker Unit 4	0	08	24.6%
Bayboro Unit 1	0	08	17.9%
Bayboro Unit 2	0	08	18.0%
Bayboro Unit 3	0	08	15.1%
Bayboro Unit 4	0	08	22.6%
DeBary Unit 1	0	08	13.3%
DeBary Unit 2	0	08	11.7%
DeBary Unit 3	0	08	11.6%
DeBary Unit 4	0	08	12.1%
DeBary Unit 5	0	08	11.3%
DeBary Unit 6	0	08	11.2%
Higgins Unit 1	0	08	14.0%
Higgins Unit 2	0	08	14.9%
Higgins Unit 3	0	08	25.6%
Higgins Unit 4	0	08	29.4%
Intercession City Unit 1	0	08	6.1%
Intercession City Unit 2	0	08	8.5%
Intercession City Unit 3	0	08	4.1%
Intercession City Unit 4	0	08	5.1%
Intercession City Unit 5	0	08	5.0%
Intercession City Unit 6	0	08	4.8%
Rio Pinar Unit 1	0	08	7.8%
Suwannee River Peaker Unit 1	0	08	27.8%
Suwannee River Peaker Unit 2	0	08	4.5%
Suwannee River Peaker Unit 3	0	08	31.2%

Turner Unit 1	0	08	6.2%
Turner Unit 2	0	08	6.1%
Turner Unit 3	0	08	10.7%
Turner Unit 4	0	08	8.7%
DeBary Unit 7	0	08	32.8%
DeBary Unit 8	0	08	34.2%
DeBary Unit 9	0	08	31.4%
DeBary Unit 10	0	08	21.2%
Intercession City Unit 7	0	08	30.8%
Intercession City Unit 8	0	08	31.0%
Intercession City Unit 9	0	08	29.9%
Intercession City Unit 10	0	08	31.1%
Intercession City Unit 11	0	08	19.2%
University of Florida Unit 1	0	08	75.5%
Tiger Bay	0	08	78.8%
Hines Energy Complex 1	0	08	66.8%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2001	JANUARY	24.3%
ANCLOTE 2	2001	JANUARY	16.4%
BARTOW 1	2001	JANUARY	12.3%
BARTOW 2	2001	JANUARY	11.3%
BARTOW 3	2001	JANUARY	12.9%
CR NUC 3	2001	JANUARY	93.2%
CRYSTAL 1	2001	JANUARY	69.9%
CRYSTAL 2	2001	JANUARY	84.5%
CRYSTAL 4	2001	JANUARY	58.9%
CRYSTAL 5	2001	JANUARY	90.2%
DEBARY 1	2001	JANUARY	1.1%
DEBARY 10	2001	JANUARY	1.6%
DEBARY 2	2001	JANUARY	2.1%
DEBARY 3	2001	JANUARY	1.0%
DEBARY 4	2001	JANUARY	0.7%
DEBARY 5	2001	JANUARY	0.8%
DEBARY 6	2001	JANUARY	1.7%
DEBARY 7	2001	JANUARY	7.8%
DEBARY 8	2001	JANUARY	9.1%
DEBARY 9	2001	JANUARY	8.3%
HINES 11	2001	JANUARY	40.4%
HINES 12	2001	JANUARY	33.3%
INT CITY1	2001	JANUARY	1.3%
INT CITY10	2001	JANUARY	4.5%
INT CITY11	2001	JANUARY	2.4%
INT CITY12	2001	JANUARY	6.3%
INT CITY13	2001	JANUARY	5.8%
INT CITY14	2001	JANUARY	5.3%
INT CITY2	2001	JANUARY	0.4%
INT CITY3	2001	JANUARY	1.4%
INT CITY4	2001	JANUARY	0.6%
INT CITY5	2001	JANUARY	1.9%
INT CITY6	2001	JANUARY	1.2%
INT CITY7	2001	JANUARY	4.9%
INT CITY8	2001	JANUARY	9.7%
INT CITY9	2001	JANUARY	6.8%
P SWAN 1	2001	JANUARY	3.1%
P SWAN 2	2001	JANUARY	0.8%
P SWAN 3	2001	JANUARY	0.9%
PAVON PK1	2001	JANUARY	3.2%
PAVON PK2	2001	JANUARY	0.4%
PBARTOW 1	2001	JANUARY	0.5%
PBARTOW 2	2001	JANUARY	3.7%

PBARTOW 3	2001	JANUARY	0.5%
PBARTOW 4	2001	JANUARY	3.7%
PBAYBORO1	2001	JANUARY	0.5%
PBAYBORO2	2001	JANUARY	0.4%
PBAYBORO3	2001	JANUARY	0.7%
PBAYBORO4	2001	JANUARY	0.6%
PHIGGINS1	2001	JANUARY	2.7%
PHIGGINS2	2001	JANUARY	2.9%
PHIGGINS3	2001	JANUARY	3.2%
PHIGGINS4	2001	JANUARY	2.8%
PINAR 1	2001	JANUARY	0.4%
PTURNER 1	2001	JANUARY	0.4%
PTURNER 2	2001	JANUARY	0.4%
PTURNER 3	2001	JANUARY	0.5%
PTURNER 4	2001	JANUARY	0.4%
SUWANNEE1	2001	JANUARY	3.8%
SUWANNEE2	2001	JANUARY	3.7%
SUWANNEE3	2001	JANUARY	10.0%
TIGERBAY1	2001	JANUARY	45.0%
UNIVERS 1	2001	JANUARY	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2001	AUGUST	69.0%
ANCLOTE 2	2001	AUGUST	53.8%
BARTOW 1	2001	AUGUST	50.3%
BARTOW 2	2001	AUGUST	47.8%
BARTOW 3	2001	AUGUST	60.3%
CR NUC 3	2001	AUGUST	93.4%
CRYSTAL 1	2001	AUGUST	82.1%
CRYSTAL 2	2001	AUGUST	84.5%
CRYSTAL 4	2001	AUGUST	83.9%
CRYSTAL 5	2001	AUGUST	96.2%
DEBARY 1	2001	AUGUST	20.7%
DEBARY 10	2001	AUGUST	23.1%
DEBARY 2	2001	AUGUST	29.1%
DEBARY 3	2001	AUGUST	17.3%
DEBARY 4	2001	AUGUST	13.4%
DEBARY 5	2001	AUGUST	15.0%
DEBARY 6	2001	AUGUST	21.6%
DEBARY 7	2001	AUGUST	42.4%
DEBARY 8	2001	AUGUST	40.2%
DEBARY 9	2001	AUGUST	37.6%
HINES 11	2001	AUGUST	80.6%
HINES 12	2001	AUGUST	77.1%
INT CITY1	2001	AUGUST	18.3%
INT CITY10	2001	AUGUST	32.2%
INT CITY11	2001	AUGUST	0.0%
INT CITY12	2001	AUGUST	26.7%
INT CITY13	2001	AUGUST	25.1%
INT CITY14	2001	AUGUST	23.7%
INT CITY2	2001	AUGUST	8.2%
INT CITY3	2001	AUGUST	19.1%
INT CITY4	2001	AUGUST	12.1%
INT CITY5	2001	AUGUST	19.8%
INT CITY6	2001	AUGUST	16.6%
INT CITY7	2001	AUGUST	33.7%
INT CITY8	2001	AUGUST	44.1%
INT CITY9	2001	AUGUST	34.7%
P SWAN 1	2001	AUGUST	14.2%
P SWAN 2	2001	AUGUST	12.8%
P SWAN 3	2001	AUGUST	15.8%
PAVON PK1	2001	AUGUST	5.5%
PAVON PK2	2001	AUGUST	5.7%
PBARTOW 1	2001	AUGUST	10.9%
PBARTOW 2	2001	AUGUST	8.0%

PBARTOW 3	2001	AUGUST	10.4%
PBARTOW 4	2001	AUGUST	8.2%
PBAYBORO1	2001	AUGUST	8.8%
PBAYBORO2	2001	AUGUST	7.0%
PBAYBORO3	2001	AUGUST	11.5%
PBAYBORO4	2001	AUGUST	9.8%
PHIGGINS1	2001	AUGUST	4.9%
PHIGGINS2	2001	AUGUST	5.2%
PHIGGINS3	2001	AUGUST	5.8%
PHIGGINS4	2001	AUGUST	5.3%
PINAR 1	2001	AUGUST	5.1%
PTURNER 1	2001	AUGUST	4.9%
PTURNER 2	2001	AUGUST	4.9%
PTURNER 3	2001	AUGUST	7.4%
PTURNER 4	2001	AUGUST	6.6%
SUWANNEE1	2001	AUGUST	29.2%
SUWANNEE2	2001	AUGUST	28.6%
SUWANNEE3	2001	AUGUST	39.4%
TIGERBAY1	2001	AUGUST	79.2%
UNIVERS 1	2001	AUGUST	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2002	JANUARY	20.2%
ANCLOTE 2	2002	JANUARY	13.5%
BARTOW 1	2002	JANUARY	11.5%
BARTOW 2	2002	JANUARY	10.5%
BARTOW 3	2002	JANUARY	25.3%
CR NUC 3	2002	JANUARY	93.2%
CRYSTAL 1	2002	JANUARY	81.6%
CRYSTAL 2	2002	JANUARY	84.5%
CRYSTAL 4	2002	JANUARY	57.5%
CRYSTAL 5	2002	JANUARY	81.9%
DEBARY 1	2002	JANUARY	0.9%
DEBARY 10	2002	JANUARY	1.3%
DEBARY 2	2002	JANUARY	1.7%
DEBARY 3	2002	JANUARY	0.8%
DEBARY 4	2002	JANUARY	0.5%
DEBARY 5	2002	JANUARY	0.6%
DEBARY 6	2002	JANUARY	1.4%
DEBARY 7	2002	JANUARY	7.0%
DEBARY 8	2002	JANUARY	8.2%
DEBARY 9	2002	JANUARY	7.4%
HINES 11	2002	JANUARY	39.1%
HINES 12	2002	JANUARY	32.2%
INT CITY1	2002	JANUARY	1.1%
INT CITY10	2002	JANUARY	3.9%
INT CITY11	2002	JANUARY	2.0%
INT CITY12	2002	JANUARY	5.6%
INT CITY13	2002	JANUARY	5.1%
INT CITY14	2002	JANUARY	4.6%
INT CITY2	2002	JANUARY	0.4%
INT CITY3	2002	JANUARY	1.2%
INT CITY4	2002	JANUARY	0.5%
INT CITY5	2002	JANUARY	1.6%
INT CITY6	2002	JANUARY	1.0%
INT CITY7	2002	JANUARY	4.3%
INT CITY8	2002	JANUARY	8.9%
INT CITY9	2002	JANUARY	6.1%
P SWAN 1	2002	JANUARY	2.6%
P SWAN 2	2002	JANUARY	0.8%
P SWAN 3	2002	JANUARY	0.7%
PAVON PK1	2002	JANUARY	2.7%
PAVON PK2	2002	JANUARY	0.3%
PBARTOW 1	2002	JANUARY	0.5%
PBARTOW 2	2002	JANUARY	3.1%

PBARTOW 3	2002	JANUARY	0.4%
PBARTOW 4	2002	JANUARY	3.1%
PBAYBORO1	2002	JANUARY	0.4%
PBAYBORO2	2002	JANUARY	0.4%
PBAYBORO3	2002	JANUARY	0.6%
PBAYBORO4	2002	JANUARY	0.5%
PHIGGINS1	2002	JANUARY	2.3%
PHIGGINS2	2002	JANUARY	2.4%
PHIGGINS3	2002	JANUARY	2.7%
PHIGGINS4	2002	JANUARY	2.4%
PINAR 1	2002	JANUARY	0.3%
PTURNER 1	2002	JANUARY	0.3%
PTURNER 2	2002	JANUARY	0.3%
PTURNER 3	2002	JANUARY	0.4%
PTURNER 4	2002	JANUARY	0.3%
SUWANNEE1	2002	JANUARY	3.2%
SUWANNEE2	2002	JANUARY	3.1%
SUWANNEE3	2002	JANUARY	9.1%
TIGERBAY1	2002	JANUARY	43.7%
UNIVERS 1	2002	JANUARY	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2002	AUGUST	63.2%
ANCLOTE 2	2002	AUGUST	51.2%
BARTOW 1	2002	AUGUST	47.4%
BARTOW 2	2002	AUGUST	44.9%
BARTOW 3	2002	AUGUST	67.3%
CR NUC 3	2002	AUGUST	93.4%
CRYSTAL 1	2002	AUGUST	85.5%
CRYSTAL 2	2002	AUGUST	84.5%
CRYSTAL 4	2002	AUGUST	83.0%
CRYSTAL 5	2002	AUGUST	92.8%
DEBARY 1	2002	AUGUST	17.0%
DEBARY 10	2002	AUGUST	20.1%
DEBARY 2	2002	AUGUST	25.9%
DEBARY 3	2002	AUGUST	15.3%
DEBARY 4	2002	AUGUST	11.0%
DEBARY 5	2002	AUGUST	12.4%
DEBARY 6	2002	AUGUST	18.7%
DEBARY 7	2002	AUGUST	39.1%
DEBARY 8	2002	AUGUST	36.9%
DEBARY 9	2002	AUGUST	34.3%
HINES 11	2002	AUGUST	81.9%
HINES 12	2002	AUGUST	78.6%
INT CITY1	2002	AUGUST	16.2%
INT CITY10	2002	AUGUST	27.4%
INT CITY11	2002	AUGUST	0.0%
INT CITY12	2002	AUGUST	23.6%
INT CITY13	2002	AUGUST	22.1%
INT CITY14	2002	AUGUST	20.7%
INT CITY2	2002	AUGUST	6.3%
INT CITY3	2002	AUGUST	14.6%
INT CITY4	2002	AUGUST	9.8%
INT CITY5	2002	AUGUST	17.8%
INT CITY6	2002	AUGUST	13.9%
INT CITY7	2002	AUGUST	28.6%
INT CITY8	2002	AUGUST	40.8%
INT CITY9	2002	AUGUST	31.4%
P SWAN 1	2002	AUGUST	11.7%
P SWAN 2	2002	AUGUST	10.4%
P SWAN 3	2002	AUGUST	13.2%
PAVON PK1	2002	AUGUST	4.0%
PAVON PK2	2002	AUGUST	4.2%
PBARTOW 1	2002	AUGUST	8.7%
PBARTOW 2	2002	AUGUST	6.2%

PBARTOW 3	2002	AUGUST	8.3%
PBARTOW 4	2002	AUGUST	6.4%
PBAYBORO1	2002	AUGUST	6.9%
PBAYBORO2	2002	AUGUST	5.3%
PBAYBORO3	2002	AUGUST	9.2%
PBAYBORO4	2002	AUGUST	7.8%
PHIGGINS1	2002	AUGUST	3.6%
PHIGGINS2	2002	AUGUST	3.8%
PHIGGINS3	2002	AUGUST	4.3%
PHIGGINS4	2002	AUGUST	3.9%
PINAR 1	2002	AUGUST	3.7%
PTURNER 1	2002	AUGUST	3.6%
PTURNER 2	2002	AUGUST	3.5%
PTURNER 3	2002	AUGUST	5.6%
PTURNER 4	2002	AUGUST	4.9%
SUWANNEE1	2002	AUGUST	29.7%
SUWANNEE2	2002	AUGUST	29.1%
SUWANNEE3	2002	AUGUST	37.9%
TIGERBAY1	2002	AUGUST	71.2%
UNIVERS 1	2002	AUGUST	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2003	JANUARY	20.9%
ANCLOTE 2	2003	JANUARY	13.6%
BARTOW 1	2003	JANUARY	27.2%
BARTOW 2	2003	JANUARY	11.4%
BARTOW 3	2003	JANUARY	28.9%
CR NUC 3	2003	JANUARY	93.2%
CRYSTAL 1	2003	JANUARY	82.0%
CRYSTAL 2	2003	JANUARY	84.4%
CRYSTAL 4	2003	JANUARY	61.5%
CRYSTAL 5	2003	JANUARY	83.8%
DEBARY 1	2003	JANUARY	1.0%
DEBARY 10	2003	JANUARY	1.4%
DEBARY 2	2003	JANUARY	1.9%
DEBARY 3	2003	JANUARY	0.9%
DEBARY 4	2003	JANUARY	0.6%
DEBARY 5	2003	JANUARY	0.7%
DEBARY 6	2003	JANUARY	1.6%
DEBARY 7	2003	JANUARY	7.5%
DEBARY 8	2003	JANUARY	8.9%
DEBARY 9	2003	JANUARY	8.0%
HINES 11	2003	JANUARY	50.1%
HINES 12	2003	JANUARY	42.3%
INT CITY1	2003	JANUARY	1.2%
INT CITY10	2003	JANUARY	4.2%
INT CITY11	2003	JANUARY	2.2%
INT CITY12	2003	JANUARY	6.0%
INT CITY13	2003	JANUARY	5.5%
INT CITY14	2003	JANUARY	5.0%
INT CITY2	2003	JANUARY	0.3%
INT CITY3	2003	JANUARY	1.3%
INT CITY4	2003	JANUARY	0.5%
INT CITY5	2003	JANUARY	1.7%
INT CITY6	2003	JANUARY	1.1%
INT CITY7	2003	JANUARY	4.6%
INT CITY8	2003	JANUARY	9.6%
INT CITY9	2003	JANUARY	6.5%
P SWAN 1	2003	JANUARY	2.8%
P SWAN 2	2003	JANUARY	0.8%
P SWAN 3	2003	JANUARY	0.7%
PAVON PK1	2003	JANUARY	2.9%
PAVON PK2	2003	JANUARY	0.3%
PBARTOW 1	2003	JANUARY	0.4%
PBARTOW 2	2003	JANUARY	3.4%

PBARTOW 3	2003	JANUARY	0.4%
PBARTOW 4	2003	JANUARY	3.4%
PBAYBORO1	2003	JANUARY	0.4%
PBAYBORO2	2003	JANUARY	0.3%
PBAYBORO3	2003	JANUARY	0.6%
PBAYBORO4	2003	JANUARY	0.5%
PHIGGINS1	2003	JANUARY	2.5%
PHIGGINS2	2003	JANUARY	2.7%
PHIGGINS3	2003	JANUARY	3.0%
PHIGGINS4	2003	JANUARY	2.6%
PINAR 1	2003	JANUARY	0.3%
PTURNER 1	2003	JANUARY	0.3%
PTURNER 2	2003	JANUARY	0.3%
PTURNER 3	2003	JANUARY	0.3%
PTURNER 4	2003	JANUARY	0.3%
SUWANNEE1	2003	JANUARY	3.5%
SUWANNEE2	2003	JANUARY	3.4%
SUWANNEE3	2003	JANUARY	9.9%
TIGERBAY1	2003	JANUARY	33.8%
UNIVERS 1	2003	JANUARY	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2003	AUGUST	62.5%
ANCLOTE 2	2003	AUGUST	50.5%
BARTOW 1	2003	AUGUST	69.7%
BARTOW 2	2003	AUGUST	46.9%
BARTOW 3	2003	AUGUST	68.6%
CR NUC 3	2003	AUGUST	93.4%
CRYSTAL 1	2003	AUGUST	85.5%
CRYSTAL 2	2003	AUGUST	84.5%
CRYSTAL 4	2003	AUGUST	83.4%
CRYSTAL 5	2003	AUGUST	92.5%
DEBARY 1	2003	AUGUST	18.1%
DEBARY 10	2003	AUGUST	21.4%
DEBARY 2	2003	AUGUST	27.5%
DEBARY 3	2003	AUGUST	16.3%
DEBARY 4	2003	AUGUST	11.0%
DEBARY 5	2003	AUGUST	12.5%
DEBARY 6	2003	AUGUST	19.9%
DEBARY 7	2003	AUGUST	41.2%
DEBARY 8	2003	AUGUST	38.9%
DEBARY 9	2003	AUGUST	36.3%
HINES 11	2003	AUGUST	82.7%
HINES 12	2003	AUGUST	79.5%
INT CITY1	2003	AUGUST	17.3%
INT CITY10	2003	AUGUST	29.0%
INT CITY11	2003	AUGUST	0.0%
INT CITY12	2003	AUGUST	25.1%
INT CITY13	2003	AUGUST	23.5%
INT CITY14	2003	AUGUST	22.0%
INT CITY2	2003	AUGUST	6.7%
INT CITY3	2003	AUGUST	15.6%
INT CITY4	2003	AUGUST	10.4%
INT CITY5	2003	AUGUST	19.0%
INT CITY6	2003	AUGUST	14.8%
INT CITY7	2003	AUGUST	30.3%
INT CITY8	2003	AUGUST	42.9%
INT CITY9	2003	AUGUST	33.0%
P SWAN 1	2003	AUGUST	13.2%
P SWAN 2	2003	AUGUST	11.7%
P SWAN 3	2003	AUGUST	14.1%
PAVON PK1	2003	AUGUST	4.2%
PAVON PK2	2003	AUGUST	4.4%
PBARTOW 1	2003	AUGUST	9.2%
PBARTOW 2	2003	AUGUST	6.5%

PBARTOW 3	2003	AUGUST	8.7%
PBARTOW 4	2003	AUGUST	6.8%
PBAYBORO1	2003	AUGUST	7.2%
PBAYBORO2	2003	AUGUST	5.6%
PBAYBORO3	2003	AUGUST	9.8%
PBAYBORO4	2003	AUGUST	8.2%
PHIGGINS1	2003	AUGUST	3.7%
PHIGGINS2	2003	AUGUST	4.0%
PHIGGINS3	2003	AUGUST	4.5%
PHIGGINS4	2003	AUGUST	4.1%
PINAR 1	2003	AUGUST	3.8%
PTURNER 1	2003	AUGUST	3.7%
PTURNER 2	2003	AUGUST	3.6%
PTURNER 3	2003	AUGUST	5.9%
PTURNER 4	2003	AUGUST	5.1%
SUWANNEE1	2003	AUGUST	31.5%
SUWANNEE2	2003	AUGUST	30.8%
SUWANNEE3	2003	AUGUST	39.7%
TIGERBAY1	2003	AUGUST	72.4%
UNIVERS 1	2003	AUGUST	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2004	JANUARY	13.5%
ANCLOTE 2	2004	JANUARY	8.6%
BARTOW 1	2004	JANUARY	20.5%
BARTOW 2	2004	JANUARY	17.8%
BARTOW 3	2004	JANUARY	21.8%
CR NUC 3	2004	JANUARY	93.2%
CRYSTAL 1	2004	JANUARY	82.5%
CRYSTAL 2	2004	JANUARY	84.5%
CRYSTAL 4	2004	JANUARY	64.9%
CRYSTAL 5	2004	JANUARY	85.6%
DEBARY 1	2004	JANUARY	0.6%
DEBARY 10	2004	JANUARY	0.9%
DEBARY 2	2004	JANUARY	1.1%
DEBARY 3	2004	JANUARY	0.5%
DEBARY 4	2004	JANUARY	0.4%
DEBARY 5	2004	JANUARY	0.5%
DEBARY 6	2004	JANUARY	1.0%
DEBARY 7	2004	JANUARY	5.6%
DEBARY 8	2004	JANUARY	6.8%
DEBARY 9	2004	JANUARY	6.1%
HINES 11	2004	JANUARY	54.4%
HINES 12	2004	JANUARY	46.6%
HINES 2	2004	JANUARY	29.2%
INT CITY1	2004	JANUARY	0.7%
INT CITY10	2004	JANUARY	3.0%
INT CITY11	2004	JANUARY	1.3%
INT CITY12	2004	JANUARY	4.5%
INT CITY13	2004	JANUARY	4.0%
INT CITY14	2004	JANUARY	3.6%
INT CITY2	2004	JANUARY	0.2%
INT CITY3	2004	JANUARY	0.8%
INT CITY4	2004	JANUARY	0.4%
INT CITY5	2004	JANUARY	1.0%
INT CITY6	2004	JANUARY	0.6%
INT CITY7	2004	JANUARY	3.3%
INT CITY8	2004	JANUARY	7.3%
INT CITY9	2004	JANUARY	4.9%
P SWAN 1	2004	JANUARY	2.4%
P SWAN 2	2004	JANUARY	2.2%
P SWAN 3	2004	JANUARY	1.8%
PAVON PK1	2004	JANUARY	1.9%
PAVON PK2	2004	JANUARY	0.2%
PBARTOW 1	2004	JANUARY	0.3%

PBARTOW 2	2004	JANUARY	2.6%
PBARTOW 3	2004	JANUARY	0.3%
PBARTOW 4	2004	JANUARY	2.4%
PBAYBORO1	2004	JANUARY	0.3%
PBAYBORO2	2004	JANUARY	0.2%
PBAYBORO3	2004	JANUARY	0.4%
PBAYBORO4	2004	JANUARY	0.3%
PHIGGINS1	2004	JANUARY	1.6%
PHIGGINS2	2004	JANUARY	1.7%
PHIGGINS3	2004	JANUARY	1.9%
PHIGGINS4	2004	JANUARY	1.7%
PINAR 1	2004	JANUARY	0.2%
PTURNER 1	2004	JANUARY	0.2%
PTURNER 2	2004	JANUARY	0.2%
PTURNER 3	2004	JANUARY	0.3%
PTURNER 4	2004	JANUARY	0.2%
SUWANNEE1	2004	JANUARY	0.0%
SUWANNEE2	2004	JANUARY	0.0%
SUWANNEE3	2004	JANUARY	0.0%
TIGERBAY1	2004	JANUARY	37.8%
UNIVERS 1	2004	JANUARY	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2004	AUGUST	51.6%
ANCLOTE 2	2004	AUGUST	39.5%
BARTOW 1	2004	AUGUST	63.1%
BARTOW 2	2004	AUGUST	59.7%
BARTOW 3	2004	AUGUST	62.6%
CR NUC 3	2004	AUGUST	93.4%
CRYSTAL 1	2004	AUGUST	85.5%
CRYSTAL 2	2004	AUGUST	84.5%
CRYSTAL 4	2004	AUGUST	84.0%
CRYSTAL 5	2004	AUGUST	92.8%
DEBARY 1	2004	AUGUST	13.9%
DEBARY 10	2004	AUGUST	16.6%
DEBARY 2	2004	AUGUST	22.0%
DEBARY 3	2004	AUGUST	12.4%
DEBARY 4	2004	AUGUST	9.2%
DEBARY 5	2004	AUGUST	10.5%
DEBARY 6	2004	AUGUST	15.4%
DEBARY 7	2004	AUGUST	35.1%
DEBARY 8	2004	AUGUST	33.0%
DEBARY 9	2004	AUGUST	30.6%
HINES 11	2004	AUGUST	83.8%
HINES 12	2004	AUGUST	80.9%
HINES 2	2004	AUGUST	69.2%
INT CITY1	2004	AUGUST	13.2%
INT CITY10	2004	AUGUST	23.4%
INT CITY11	2004	AUGUST	0.0%
INT CITY12	2004	AUGUST	20.0%
INT CITY13	2004	AUGUST	18.6%
INT CITY14	2004	AUGUST	17.3%
INT CITY2	2004	AUGUST	5.4%
INT CITY3	2004	AUGUST	11.8%
INT CITY4	2004	AUGUST	8.6%
INT CITY5	2004	AUGUST	14.6%
INT CITY6	2004	AUGUST	11.1%
INT CITY7	2004	AUGUST	25.9%
INT CITY8	2004	AUGUST	36.8%
INT CITY9	2004	AUGUST	27.9%
P SWAN 1	2004	AUGUST	25.2%
P SWAN 2	2004	AUGUST	9.9%
P SWAN 3	2004	AUGUST	27.3%
PAVON PK1	2004	AUGUST	3.3%
PAVON PK2	2004	AUGUST	3.5%
PBARTOW 1	2004	AUGUST	7.7%

PBARTOW 2	2004	AUGUST	5.3%
PBARTOW 3	2004	AUGUST	7.2%
PBARTOW 4	2004	AUGUST	5.6%
PBAYBORO1	2004	AUGUST	5.9%
PBAYBORO2	2004	AUGUST	4.5%
PBAYBORO3	2004	AUGUST	8.1%
PBAYBORO4	2004	AUGUST	6.8%
PHIGGINS1	2004	AUGUST	2.9%
PHIGGINS2	2004	AUGUST	3.1%
PHIGGINS3	2004	AUGUST	3.6%
PHIGGINS4	2004	AUGUST	3.2%
PINAR 1	2004	AUGUST	3.0%
PTURNER 1	2004	AUGUST	2.9%
PTURNER 2	2004	AUGUST	2.9%
PTURNER 3	2004	AUGUST	4.8%
PTURNER 4	2004	AUGUST	4.1%
SUWANNEE1	2004	AUGUST	0.0%
SUWANNEE2	2004	AUGUST	0.0%
SUWANNEE3	2004	AUGUST	0.0%
TIGERBAY1	2004	AUGUST	74.0%
UNIVERS 1	2004	AUGUST	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2005	JANUARY	14.5%
ANCLOTE 2	2005	JANUARY	9.4%
BARTOW 1	2005	JANUARY	22.0%
BARTOW 2	2005	JANUARY	19.1%
BARTOW 3	2005	JANUARY	23.4%
CR NUC 3	2005	JANUARY	93.2%
CRYSTAL 1	2005	JANUARY	83.0%
CRYSTAL 2	2005	JANUARY	84.5%
CRYSTAL 4	2005	JANUARY	66.7%
CRYSTAL 5	2005	JANUARY	86.5%
DEBARY 1	2005	JANUARY	0.7%
DEBARY 10	2005	JANUARY	1.0%
DEBARY 2	2005	JANUARY	1.4%
DEBARY 3	2005	JANUARY	0.6%
DEBARY 4	2005	JANUARY	0.5%
DEBARY 5	2005	JANUARY	0.6%
DEBARY 6	2005	JANUARY	1.1%
DEBARY 7	2005	JANUARY	6.2%
DEBARY 8	2005	JANUARY	7.4%
DEBARY 9	2005	JANUARY	6.7%
HINES 11	2005	JANUARY	56.5%
HINES 12	2005	JANUARY	48.8%
HINES 2	2005	JANUARY	31.1%
INT CITY1	2005	JANUARY	0.8%
INT CITY10	2005	JANUARY	3.5%
INT CITY11	2005	JANUARY	1.6%
INT CITY12	2005	JANUARY	5.0%
INT CITY13	2005	JANUARY	4.5%
INT CITY14	2005	JANUARY	4.1%
INT CITY2	2005	JANUARY	0.3%
INT CITY3	2005	JANUARY	0.9%
INT CITY4	2005	JANUARY	0.4%
INT CITY5	2005	JANUARY	1.2%
INT CITY6	2005	JANUARY	0.8%
INT CITY7	2005	JANUARY	3.8%
INT CITY8	2005	JANUARY	8.0%
INT CITY9	2005	JANUARY	5.4%
P SWAN 1	2005	JANUARY	2.8%
P SWAN 2	2005	JANUARY	2.5%
P SWAN 3	2005	JANUARY	2.1%
PAVON PK1	2005	JANUARY	2.2%
PAVON PK2	2005	JANUARY	0.2%
PBARTOW 1	2005	JANUARY	0.4%

PBARTOW 2	2005	JANUARY	3.0%
PBARTOW 3	2005	JANUARY	0.3%
PBARTOW 4	2005	JANUARY	2.8%
PBAYBORO1	2005	JANUARY	0.4%
PBAYBORO2	2005	JANUARY	0.3%
PBAYBORO3	2005	JANUARY	0.5%
PBAYBORO4	2005	JANUARY	0.4%
PHIGGINS1	2005	JANUARY	1.8%
PHIGGINS2	2005	JANUARY	2.0%
PHIGGINS3	2005	JANUARY	2.2%
PHIGGINS4	2005	JANUARY	1.9%
PINAR 1	2005	JANUARY	0.2%
PTURNER 1	2005	JANUARY	0.2%
PTURNER 2	2005	JANUARY	0.2%
PTURNER 3	2005	JANUARY	0.3%
PTURNER 4	2005	JANUARY	0.2%
SUWANNEE1	2005	JANUARY	0.0%
SUWANNEE2	2005	JANUARY	0.0%
SUWANNEE3	2005	JANUARY	0.0%
TIGERBAY1	2005	JANUARY	39.8%
UNIVERS 1	2005	JANUARY	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2005	AUGUST	54.4%
ANCLOTE 2	2005	AUGUST	42.5%
BARTOW 1	2005	AUGUST	64.3%
BARTOW 2	2005	AUGUST	62.2%
BARTOW 3	2005	AUGUST	64.8%
CR NUC 3	2005	AUGUST	93.4%
CRYSTAL 1	2005	AUGUST	85.5%
CRYSTAL 2	2005	AUGUST	84.5%
CRYSTAL 4	2005	AUGUST	84.7%
CRYSTAL 5	2005	AUGUST	93.3%
DEBARY 1	2005	AUGUST	16.3%
DEBARY 10	2005	AUGUST	19.3%
DEBARY 2	2005	AUGUST	24.9%
DEBARY 3	2005	AUGUST	14.6%
DEBARY 4	2005	AUGUST	11.1%
DEBARY 5	2005	AUGUST	12.6%
DEBARY 6	2005	AUGUST	17.9%
DEBARY 7	2005	AUGUST	38.4%
DEBARY 8	2005	AUGUST	36.3%
DEBARY 9	2005	AUGUST	33.7%
HINES 11	2005	AUGUST	84.9%
HINES 12	2005	AUGUST	82.2%
HINES 2	2005	AUGUST	71.1%
INT CITY1	2005	AUGUST	15.5%
INT CITY10	2005	AUGUST	26.4%
INT CITY11	2005	AUGUST	0.0%
INT CITY12	2005	AUGUST	22.7%
INT CITY13	2005	AUGUST	21.3%
INT CITY14	2005	AUGUST	19.9%
INT CITY2	2005	AUGUST	6.8%
INT CITY3	2005	AUGUST	14.0%
INT CITY4	2005	AUGUST	10.5%
INT CITY5	2005	AUGUST	17.1%
INT CITY6	2005	AUGUST	13.2%
INT CITY7	2005	AUGUST	27.6%
INT CITY8	2005	AUGUST	40.1%
INT CITY9	2005	AUGUST	30.8%
P SWAN 1	2005	AUGUST	29.8%
P SWAN 2	2005	AUGUST	11.9%
P SWAN 3	2005	AUGUST	31.4%
PAVON PK1	2005	AUGUST	4.3%
PAVON PK2	2005	AUGUST	4.5%
PBARTOW 1	2005	AUGUST	9.4%

PBARTOW 2	2005	AUGUST	6.7%
PBARTOW 3	2005	AUGUST	8.9%
PBARTOW 4	2005	AUGUST	6.9%
PBAYBORO1	2005	AUGUST	7.4%
PBAYBORO2	2005	AUGUST	5.7%
PBAYBORO3	2005	AUGUST	9.9%
PBAYBORO4	2005	AUGUST	8.4%
PHIGGINS1	2005	AUGUST	3.8%
PHIGGINS2	2005	AUGUST	4.1%
PHIGGINS3	2005	AUGUST	4.6%
PHIGGINS4	2005	AUGUST	4.2%
PINAR 1	2005	AUGUST	3.9%
PTURNER 1	2005	AUGUST	3.8%
PTURNER 2	2005	AUGUST	3.8%
PTURNER 3	2005	AUGUST	6.1%
PTURNER 4	2005	AUGUST	5.3%
SUWANNEE1	2005	AUGUST	0.0%
SUWANNEE2	2005	AUGUST	0.0%
SUWANNEE3	2005	AUGUST	0.0%
TIGERBAY1	2005	AUGUST	75.5%
UNIVERS 1	2005	AUGUST	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2006	JANUARY	10.6%
ANCLOTE 2	2006	JANUARY	6.7%
BARTOW 1	2006	JANUARY	15.2%
BARTOW 2	2006	JANUARY	14.0%
BARTOW 3	2006	JANUARY	17.1%
CR NUC 3	2006	JANUARY	93.2%
CRYSTAL 1	2006	JANUARY	83.5%
CRYSTAL 2	2006	JANUARY	84.5%
CRYSTAL 4	2006	JANUARY	68.8%
CRYSTAL 5	2006	JANUARY	87.6%
DEBARY 1	2006	JANUARY	0.5%
DEBARY 10	2006	JANUARY	0.8%
DEBARY 2	2006	JANUARY	1.0%
DEBARY 3	2006	JANUARY	0.5%
DEBARY 4	2006	JANUARY	0.4%
DEBARY 5	2006	JANUARY	0.4%
DEBARY 6	2006	JANUARY	0.8%
DEBARY 7	2006	JANUARY	4.3%
DEBARY 8	2006	JANUARY	5.2%
DEBARY 9	2006	JANUARY	4.6%
HINES 11	2006	JANUARY	59.2%
HINES 12	2006	JANUARY	51.6%
HINES 2	2006	JANUARY	22.9%
HINES 3	2006	JANUARY	33.6%
INT CITY1	2006	JANUARY	0.6%
INT CITY10	2006	JANUARY	2.2%
INT CITY11	2006	JANUARY	1.2%
INT CITY12	2006	JANUARY	3.4%
INT CITY13	2006	JANUARY	3.0%
INT CITY14	2006	JANUARY	2.7%
INT CITY2	2006	JANUARY	0.2%
INT CITY3	2006	JANUARY	0.7%
INT CITY4	2006	JANUARY	0.3%
INT CITY5	2006	JANUARY	0.9%
INT CITY6	2006	JANUARY	0.6%
INT CITY7	2006	JANUARY	2.5%
INT CITY8	2006	JANUARY	5.7%
INT CITY9	2006	JANUARY	3.7%
P SWAN 1	2006	JANUARY	1.8%
P SWAN 2	2006	JANUARY	1.6%
P SWAN 3	2006	JANUARY	1.4%
PAVON PK1	2006	JANUARY	1.4%
PAVON PK2	2006	JANUARY	0.2%

PBARTOW 1	2006	JANUARY	0.3%
PBARTOW 2	2006	JANUARY	1.9%
PBARTOW 3	2006	JANUARY	0.3%
PBARTOW 4	2006	JANUARY	1.8%
PBAYBORO1	2006	JANUARY	0.3%
PBAYBORO2	2006	JANUARY	0.2%
PBAYBORO3	2006	JANUARY	0.4%
PBAYBORO4	2006	JANUARY	0.3%
PHIGGINS1	2006	JANUARY	0.0%
PHIGGINS2	2006	JANUARY	0.0%
PHIGGINS3	2006	JANUARY	0.0%
PHIGGINS4	2006	JANUARY	0.0%
PINAR 1	2006	JANUARY	0.0%
PTURNER 1	2006	JANUARY	0.2%
PTURNER 2	2006	JANUARY	0.2%
PTURNER 3	2006	JANUARY	0.2%
PTURNER 4	2006	JANUARY	0.2%
SUWANNEE1	2006	JANUARY	0.0%
SUWANNEE2	2006	JANUARY	0.0%
SUWANNEE3	2006	JANUARY	0.0%
TIGERBAY1	2006	JANUARY	42.5%
UNIVERS 1	2006	JANUARY	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2006	AUGUST	47.2%
ANCLOTE 2	2006	AUGUST	35.7%
BARTOW 1	2006	AUGUST	57.3%
BARTOW 2	2006	AUGUST	55.1%
BARTOW 3	2006	AUGUST	58.5%
CR NUC 3	2006	AUGUST	93.4%
CRYSTAL 1	2006	AUGUST	85.5%
CRYSTAL 2	2006	AUGUST	84.5%
CRYSTAL 4	2006	AUGUST	85.2%
CRYSTAL 5	2006	AUGUST	93.8%
DEBARY 1	2006	AUGUST	12.9%
DEBARY 10	2006	AUGUST	14.7%
DEBARY 2	2006	AUGUST	19.4%
DEBARY 3	2006	AUGUST	10.9%
DEBARY 4	2006	AUGUST	8.1%
DEBARY 5	2006	AUGUST	9.2%
DEBARY 6	2006	AUGUST	13.6%
DEBARY 7	2006	AUGUST	31.5%
DEBARY 8	2006	AUGUST	29.5%
DEBARY 9	2006	AUGUST	27.3%
HINES 11	2006	AUGUST	85.7%
HINES 12	2006	AUGUST	83.3%
HINES 2	2006	AUGUST	65.3%
HINES 3	2006	AUGUST	72.7%
INT CITY1	2006	AUGUST	11.6%
INT CITY10	2006	AUGUST	21.4%
INT CITY11	2006	AUGUST	0.0%
INT CITY12	2006	AUGUST	17.6%
INT CITY13	2006	AUGUST	16.4%
INT CITY14	2006	AUGUST	15.2%
INT CITY2	2006	AUGUST	4.8%
INT CITY3	2006	AUGUST	10.3%
INT CITY4	2006	AUGUST	7.6%
INT CITY5	2006	AUGUST	12.1%
INT CITY6	2006	AUGUST	9.7%
INT CITY7	2006	AUGUST	23.9%
INT CITY8	2006	AUGUST	33.0%
INT CITY9	2006	AUGUST	24.9%
P SWAN 1	2006	AUGUST	21.1%
P SWAN 2	2006	AUGUST	8.6%
P SWAN 3	2006	AUGUST	22.9%
PAVON PK1	2006	AUGUST	3.2%
PAVON PK2	2006	AUGUST	3.1%

PBARTOW 1	2006	AUGUST	6.7%
PBARTOW 2	2006	AUGUST	4.6%
PBARTOW 3	2006	AUGUST	6.3%
PBARTOW 4	2006	AUGUST	4.9%
PBAYBORO1	2006	AUGUST	5.2%
PBAYBORO2	2006	AUGUST	3.9%
PBAYBORO3	2006	AUGUST	7.1%
PBAYBORO4	2006	AUGUST	5.9%
PHIGGINS1	2006	AUGUST	0.0%
PHIGGINS2	2006	AUGUST	0.0%
PHIGGINS3	2006	AUGUST	0.0%
PHIGGINS4	2006	AUGUST	0.0%
PINAR 1	2006	AUGUST	0.0%
PTURNER 1	2006	AUGUST	3.1%
PTURNER 2	2006	AUGUST	3.1%
PTURNER 3	2006	AUGUST	4.2%
PTURNER 4	2006	AUGUST	3.6%
SUWANNEE1	2006	AUGUST	0.0%
SUWANNEE2	2006	AUGUST	0.0%
SUWANNEE3	2006	AUGUST	0.0%
TIGERBAY1	2006	AUGUST	76.7%
UNIVERS 1	2006	AUGUST	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2007	JANUARY	11.9%
ANCLOTE 2	2007	JANUARY	7.7%
BARTOW 1	2007	JANUARY	16.9%
BARTOW 2	2007	JANUARY	15.5%
BARTOW 3	2007	JANUARY	17.9%
CR NUC 3	2007	JANUARY	93.2%
CRYSTAL 1	2007	JANUARY	84.0%
CRYSTAL 2	2007	JANUARY	84.5%
CRYSTAL 4	2007	JANUARY	70.9%
CRYSTAL 5	2007	JANUARY	88.7%
DEBARY 1	2007	JANUARY	0.7%
DEBARY 10	2007	JANUARY	1.0%
DEBARY 2	2007	JANUARY	1.4%
DEBARY 3	2007	JANUARY	0.6%
DEBARY 4	2007	JANUARY	0.5%
DEBARY 5	2007	JANUARY	0.6%
DEBARY 6	2007	JANUARY	1.1%
DEBARY 7	2007	JANUARY	5.1%
DEBARY 8	2007	JANUARY	6.0%
DEBARY 9	2007	JANUARY	5.4%
HINES 11	2007	JANUARY	62.0%
HINES 12	2007	JANUARY	54.5%
HINES 2	2007	JANUARY	25.0%
HINES 3	2007	JANUARY	36.2%
INT CITY1	2007	JANUARY	0.9%
INT CITY10	2007	JANUARY	2.8%
INT CITY11	2007	JANUARY	1.6%
INT CITY12	2007	JANUARY	4.0%
INT CITY13	2007	JANUARY	3.6%
INT CITY14	2007	JANUARY	3.3%
INT CITY2	2007	JANUARY	0.3%
INT CITY3	2007	JANUARY	0.9%
INT CITY4	2007	JANUARY	0.5%
INT CITY5	2007	JANUARY	1.2%
INT CITY6	2007	JANUARY	0.8%
INT CITY7	2007	JANUARY	3.0%
INT CITY8	2007	JANUARY	6.6%
INT CITY9	2007	JANUARY	4.4%
P SWAN 1	2007	JANUARY	2.2%
P SWAN 2	2007	JANUARY	2.0%
P SWAN 3	2007	JANUARY	1.9%
PAVON PK1	2007	JANUARY	0.0%
PAVON PK2	2007	JANUARY	0.0%

PBARTOW 1	2007	JANUARY	0.4%
PBARTOW 2	2007	JANUARY	2.4%
PBARTOW 3	2007	JANUARY	0.4%
PBARTOW 4	2007	JANUARY	2.2%
PBAYBORO1	2007	JANUARY	0.4%
PBAYBORO2	2007	JANUARY	0.3%
PBAYBORO3	2007	JANUARY	0.5%
PBAYBORO4	2007	JANUARY	0.4%
PHIGGINS1	2007	JANUARY	0.0%
PHIGGINS2	2007	JANUARY	0.0%
PHIGGINS3	2007	JANUARY	0.0%
PHIGGINS4	2007	JANUARY	0.0%
PINAR 1	2007	JANUARY	0.0%
PTURNER 1	2007	JANUARY	0.0%
PTURNER 2	2007	JANUARY	0.0%
PTURNER 3	2007	JANUARY	0.3%
PTURNER 4	2007	JANUARY	0.3%
SUWANNEE1	2007	JANUARY	0.0%
SUWANNEE2	2007	JANUARY	0.0%
SUWANNEE3	2007	JANUARY	0.0%
TIGERBAY1	2007	JANUARY	45.3%
UNIVERS 1	2007	JANUARY	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2007	AUGUST	50.4%
ANCLOTE 2	2007	AUGUST	38.9%
BARTOW 1	2007	AUGUST	60.2%
BARTOW 2	2007	AUGUST	58.1%
BARTOW 3	2007	AUGUST	59.7%
CR NUC 3	2007	AUGUST	93.4%
CRYSTAL 1	2007	AUGUST	85.5%
CRYSTAL 2	2007	AUGUST	84.5%
CRYSTAL 4	2007	AUGUST	85.9%
CRYSTAL 5	2007	AUGUST	94.4%
DEBARY 1	2007	AUGUST	15.4%
DEBARY 10	2007	AUGUST	17.4%
DEBARY 2	2007	AUGUST	22.5%
DEBARY 3	2007	AUGUST	13.2%
DEBARY 4	2007	AUGUST	10.1%
DEBARY 5	2007	AUGUST	11.4%
DEBARY 6	2007	AUGUST	16.2%
DEBARY 7	2007	AUGUST	35.0%
DEBARY 8	2007	AUGUST	32.9%
DEBARY 9	2007	AUGUST	30.6%
HINES 11	2007	AUGUST	86.7%
HINES 12	2007	AUGUST	84.5%
HINES 2	2007	AUGUST	67.5%
HINES 3	2007	AUGUST	74.4%
INT CITY1	2007	AUGUST	14.0%
INT CITY10	2007	AUGUST	23.8%
INT CITY11	2007	AUGUST	0.0%
INT CITY12	2007	AUGUST	20.5%
INT CITY13	2007	AUGUST	19.2%
INT CITY14	2007	AUGUST	18.0%
INT CITY2	2007	AUGUST	6.2%
INT CITY3	2007	AUGUST	12.6%
INT CITY4	2007	AUGUST	9.5%
INT CITY5	2007	AUGUST	14.6%
INT CITY6	2007	AUGUST	12.0%
INT CITY7	2007	AUGUST	26.2%
INT CITY8	2007	AUGUST	36.5%
INT CITY9	2007	AUGUST	28.1%
P SWAN 1	2007	AUGUST	25.5%
P SWAN 2	2007	AUGUST	10.7%
P SWAN 3	2007	AUGUST	27.5%
PAVON PK1	2007	AUGUST	0.0%
PAVON PK2	2007	AUGUST	0.0%

PBARTOW 1	2007	AUGUST	8.5%
PBARTOW 2	2007	AUGUST	6.1%
PBARTOW 3	2007	AUGUST	8.1%
PBARTOW 4	2007	AUGUST	6.3%
PBAYBORO1	2007	AUGUST	6.7%
PBAYBORO2	2007	AUGUST	5.2%
PBAYBORO3	2007	AUGUST	9.0%
PBAYBORO4	2007	AUGUST	7.6%
PHIGGINS1	2007	AUGUST	0.0%
PHIGGINS2	2007	AUGUST	0.0%
PHIGGINS3	2007	AUGUST	0.0%
PHIGGINS4	2007	AUGUST	0.0%
PINAR 1	2007	AUGUST	0.0%
PTURNER 1	2007	AUGUST	0.0%
PTURNER 2	2007	AUGUST	0.0%
PTURNER 3	2007	AUGUST	5.5%
PTURNER 4	2007	AUGUST	4.9%
SUWANNEE1	2007	AUGUST	0.0%
SUWANNEE2	2007	AUGUST	0.0%
SUWANNEE3	2007	AUGUST	0.0%
TIGERBAY1	2007	AUGUST	78.1%
UNIVERS 1	2007	AUGUST	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2008	JANUARY	8.7%
ANCLOTE 2	2008	JANUARY	5.5%
BARTOW 1	2008	JANUARY	12.5%
BARTOW 2	2008	JANUARY	11.5%
BARTOW 3	2008	JANUARY	13.2%
CR NUC 3	2008	JANUARY	93.2%
CRYSTAL 1	2008	JANUARY	84.5%
CRYSTAL 2	2008	JANUARY	84.5%
CRYSTAL 4	2008	JANUARY	72.8%
CRYSTAL 5	2008	JANUARY	89.7%
DEBARY 1	2008	JANUARY	0.5%
DEBARY 10	2008	JANUARY	0.7%
DEBARY 2	2008	JANUARY	0.9%
DEBARY 3	2008	JANUARY	0.4%
DEBARY 4	2008	JANUARY	0.3%
DEBARY 5	2008	JANUARY	0.4%
DEBARY 6	2008	JANUARY	0.7%
DEBARY 7	2008	JANUARY	3.5%
DEBARY 8	2008	JANUARY	4.2%
DEBARY 9	2008	JANUARY	3.7%
HINES 11	2008	JANUARY	64.5%
HINES 12	2008	JANUARY	57.2%
HINES 2	2008	JANUARY	21.6%
HINES 3	2008	JANUARY	31.3%
HINES 4	2008	JANUARY	43.9%
INT CITY1	2008	JANUARY	0.5%
INT CITY10	2008	JANUARY	1.8%
INT CITY11	2008	JANUARY	1.0%
INT CITY12	2008	JANUARY	2.7%
INT CITY13	2008	JANUARY	2.4%
INT CITY14	2008	JANUARY	2.2%
INT CITY2	2008	JANUARY	0.2%
INT CITY3	2008	JANUARY	0.6%
INT CITY4	2008	JANUARY	0.3%
INT CITY5	2008	JANUARY	0.8%
INT CITY6	2008	JANUARY	0.5%
INT CITY7	2008	JANUARY	2.0%
INT CITY8	2008	JANUARY	4.6%
INT CITY9	2008	JANUARY	3.0%
P SWAN 1	2008	JANUARY	1.4%
P SWAN 2	2008	JANUARY	1.3%
P SWAN 3	2008	JANUARY	1.2%
PAVON PK1	2008	JANUARY	0.0%

PAVON PK2	2008	JANUARY	0.0%
PBARTOW 1	2008	JANUARY	0.3%
PBARTOW 2	2008	JANUARY	1.5%
PBARTOW 3	2008	JANUARY	0.3%
PBARTOW 4	2008	JANUARY	1.4%
PBAYBORO1	2008	JANUARY	0.3%
PBAYBORO2	2008	JANUARY	0.2%
PBAYBORO3	2008	JANUARY	0.4%
PBAYBORO4	2008	JANUARY	0.3%
PHIGGINS1	2008	JANUARY	0.0%
PHIGGINS2	2008	JANUARY	0.0%
PHIGGINS3	2008	JANUARY	0.0%
PHIGGINS4	2008	JANUARY	0.0%
PINAR 1	2008	JANUARY	0.0%
PTURNER 1	2008	JANUARY	0.0%
PTURNER 2	2008	JANUARY	0.0%
PTURNER 3	2008	JANUARY	0.2%
PTURNER 4	2008	JANUARY	0.2%
SUWANNEE1	2008	JANUARY	0.0%
SUWANNEE2	2008	JANUARY	0.0%
SUWANNEE3	2008	JANUARY	0.0%
TIGERBAY1	2008	JANUARY	16.4%
UNIVERS 1	2008	JANUARY	97.0%

Unit Name	Year	Month	Capacity Factor
ANCLOTE 1	2008	AUGUST	43.3%
ANCLOTE 2	2008	AUGUST	32.4%
BARTOW 1	2008	AUGUST	53.1%
BARTOW 2	2008	AUGUST	50.9%
BARTOW 3	2008	AUGUST	53.2%
CR NUC 3	2008	AUGUST	93.4%
CRYSTAL 1	2008	AUGUST	85.5%
CRYSTAL 2	2008	AUGUST	84.5%
CRYSTAL 4	2008	AUGUST	86.2%
CRYSTAL 5	2008	AUGUST	94.8%
DEBARY 1	2008	AUGUST	11.6%
DEBARY 10	2008	AUGUST	13.2%
DEBARY 2	2008	AUGUST	17.5%
DEBARY 3	2008	AUGUST	9.8%
DEBARY 4	2008	AUGUST	7.3%
DEBARY 5	2008	AUGUST	8.3%
DEBARY 6	2008	AUGUST	12.2%
DEBARY 7	2008	AUGUST	28.4%
DEBARY 8	2008	AUGUST	26.6%
DEBARY 9	2008	AUGUST	24.6%
HINES 11	2008	AUGUST	87.3%
HINES 12	2008	AUGUST	85.3%
HINES 2	2008	AUGUST	61.4%
HINES 3	2008	AUGUST	69.2%
HINES 4	2008	AUGUST	75.6%
INT CITY1	2008	AUGUST	10.4%
INT CITY10	2008	AUGUST	20.4%
INT CITY11	2008	AUGUST	0.0%
INT CITY12	2008	AUGUST	15.8%
INT CITY13	2008	AUGUST	14.7%
INT CITY14	2008	AUGUST	13.7%
INT CITY2	2008	AUGUST	4.3%
INT CITY3	2008	AUGUST	9.3%
INT CITY4	2008	AUGUST	6.8%
INT CITY5	2008	AUGUST	10.9%
INT CITY6	2008	AUGUST	8.8%
INT CITY7	2008	AUGUST	21.5%
INT CITY8	2008	AUGUST	29.9%
INT CITY9	2008	AUGUST	22.4%
P SWAN 1	2008	AUGUST	18.4%
P SWAN 2	2008	AUGUST	7.8%
P SWAN 3	2008	AUGUST	19.3%
PAVON PK1	2008	AUGUST	0.0%

PAVON PK2	2008	AUGUST	0.0%
PBARTOW 1	2008	AUGUST	6.1%
PBARTOW 2	2008	AUGUST	4.2%
PBARTOW 3	2008	AUGUST	5.7%
PBARTOW 4	2008	AUGUST	4.4%
PBAYBORO1	2008	AUGUST	4.7%
PBAYBORO2	2008	AUGUST	3.6%
PBAYBORO3	2008	AUGUST	6.4%
PBAYBORO4	2008	AUGUST	5.4%
PHIGGINS1	2008	AUGUST	0.0%
PHIGGINS2	2008	AUGUST	0.0%
PHIGGINS3	2008	AUGUST	0.0%
PHIGGINS4	2008	AUGUST	0.0%
PINAR 1	2008	AUGUST	0.0%
PTURNER 1	2008	AUGUST	0.0%
PTURNER 2	2008	AUGUST	0.0%
PTURNER 3	2008	AUGUST	3.8%
PTURNER 4	2008	AUGUST	3.3%
SUWANNEE1	2008	AUGUST	0.0%
SUWANNEE2	2008	AUGUST	0.0%
SUWANNEE3	2008	AUGUST	0.0%
TIGERBAY1	2008	AUGUST	79.0%
UNIVERS 1	2008	AUGUST	97.0%

26. Refer to page 5, lines 16-17 of the direct testimony of John B. Crisp. Explain in detail the meaning of the phrase "fully committed" as used in this sentence?

Answer:

FPC has an obligation to provide reliable electric service to ratepayers at a reasonable cost. The plant will be fully committed to helping FPC meet this obligation to serve.

27. Will FPC be able to sell firm wholesale power from Hines Unit 2 to retail serving utilities outside Florida?

Answer:

Without waiving its objections filed separately on September 18, 2000, FPC states that Hines 2 will be committed first and foremost to meeting the reliability and economic needs of FPC's ratepayers. Beyond that it is pure speculation.

28. Refer to page 11, lines 1-2 of the direct testimony of Eric G. Major. If Hines 2 is expected to have a capacity factor of 55-65 percent, will there be opportunities for FPC to make wholesale sales from Hines 2?

Answer:

Without waiving its objections filed separately on September 18, 2000, FPC states that regardless of the expected capacity factor for Hines 2, FPC will make and is obligated to make economy sales from its system for the benefit of its ratepayers. Whether such opportunities will exist and to what extent is a matter of speculation at this time.

29. Refer to page 40 of Exhibit JBC-1, the Need Study. Explain in the detail the statement "These conclusions were initially tested using specific targeted financial assessments..."?

Answer:

As outlined in the Need Study, the Integrated Resource Planning Process serves as a screening level assessment of a broad range of resource alternatives, spanning both supply-side and demand-side, timing, fuels, location and technology options under consideration. As a result of this process, the Company had identified the Hines 2 combined cycle as the next planned resource and performed a more specific assessment of the resource selection. This assessment entailed a thorough examination of the construction cost estimates and schedule options, an economic review of the top ranking resource alternatives, and a review of environmental impacts. Ultimately, the Company's conclusions were that the cost estimates and time frames were realistic and achievable. This assessment was provided to the Company's management team and management concluded that the Company should proceed with the the construction of Hines 2 for commercial operation in the winter of 2003/2004, subject to obtaining a more cost-effective alternative to meet the Company's need through the RFP process.

30. Refer to the direct testimony of Peter M. O'Neill, page 5, lines 12-22. What, if any, cost was assumed for the interconnection upgrade between FPC and Tampa Electric Company which is to be negotiated during 2000? What is the status of the negotiation?

Answer:

Both FPC's and TECO's 2000 Ten Year Site Plans indicate the need to upgrade Barcola-Pebbledale 230kv interconnection by 2003. Moving towards this goal, FPC and TECO began formal negotiations concerning the needed upgrades in August 2000. FPC anticipates that these negotiations will culminate in an executed Transmission and Interconnection and Operating Agreement between FPC and TECO by years end. The cost of these upgrades is accounted for in FPC's $ 5.6 million dollar estimate of increased transmission costs associated with Hines 2.

31. What, if any, cost recovery treatment for Hines Unit 2 is FPC proposing at this time?

Answer:

Without waiving its objections filed separately on September 18, 2000, FPC states that it is not proposing any cost recovery treatment for Hines 2 at this time.

32. If Hines Unit 2 were built with no base rate increase, and the entire cost of the plant were recovered through the fuel and capacity cost recovery clauses, estimate the impact in dollars and cents/kWh for residential customers on 1) the fuel cost recovery clause; 2) the capacity cost recovery clause; and 3) return on equity ("ROE") for the first year of service?

Answer:

Without waiving its objections filed separately on September 18, 2000, FPC states that existing PSC rules do not permit the recovery of fixed costs for new generation facilities through the fuel or capacity clause. The results shown are therefore purely hypothetical.

The estimated impact on the fuel and capacity cost recovery clauses for residential customers using 1000 kWh is:

Fuel Cost Recovery:	$1.32 reduction
Capacity Cost Recovery:	$1.29 increase
Net change:	$0.03 reduction

In making this estimate, FPC assumes that the recoverable costs include a return of investment based on the allowed midpoint. As a result, there is no effect on the company's return on equity.

33. If Hines Unit 2 were built with no base rate increase, and only the costs eligible for recovery in the fuel cost recovery clause were recovered, estimate the impact in dollars and cents/kWh for residential customers on 1) the fuel cost recovery clause; 2) the capacity cost recovery clause; and 3) ROE for the first year of service?

Answer:

Without waiving its objections filed separately on September 18, 2000, FPC states that the estimated impact on the fuel and capacity cost recovery clauses for residential customers using 1000 kWh is:

Fuel Cost Recovery:	$1.32 reduction
Capacity Cost Recovery:	no change
Net change:	$1.32 reduction

It is impossible to speculate on the effect that building Hines 2 will have on the company's return on equity. As an example, it is possible that the company's ROE could exceed its allowed range if Hines 2 were not built. In that case, FPC has options such as accelerating the amortization of the Tiger Bay facility which would keep its achieved ROE within the range. The additional expenses incurred if Hines 2 is built could be offset by a reduction in the amortization, maintaining the ROE at the same level. Florida Power is confident that its ROE will remain within its currently allowed ROE if Hines 2 is built.

34. Assume FPC selected Bidder A in the RFP process. Estimate the impact in dollars and cents/kWh for residential customers on 1) the fuel cost recovery clause; 2) the capacity cost recovery clause; and 3) ROE for the first year.

Answer:

Without waiving its objections filed separately on September 18, 2000, FPC states that the estimated impact on the fuel and capacity cost recovery clauses for residential customers using 1000 kWh is:

Fuel Cost Recovery:	$1.23 reduction
Capacity Cost Recovery:	$1.52 increase
Net change:	$0.29 increase

Since all expenses are recovered through a pass-through clause, there is no effect on the return on equity.

35. Assume FPC selected Bidder B in the RFP process. Estimate the impact in dollars and cents/kWh for residential customers on 1) the fuel cost recovery clause; 2) the capacity cost recovery clause; and 3) ROE for the first year.

Answer:

Without waiving its objections filed separately on September 18, 2000, FPC states that the estimated impact on the fuel and capacity cost recovery clauses for residential customers using 1000 kWh is:

Fuel Cost Recovery:	$3.79 reduction
Capacity Cost Recovery:	$3.77 increase
Net change:	$0.02 reduction

Since all expenses are recovered through a pass-through clause, there is no effect on the return on equity.

36. What is the current status of contract negotiations with pipeline suppliers for Hines 2?

Answer:

Without waiving its objections filed separately on September 18, 2000, FPC states that it is currently negotiating with Florida Gas Transmission Company, Buccaneer Pipeline, Gulfstream Natural Gas System and El Paso Merchant Energy for natural gas transportation capacity to the Hines site. Each company has proposed options that would make capacity available to serve Hines 2 prior to the expected in service date of November 2003.

37. Will FPC have a firm natural gas transportation contract in hand by the time this case goes to hearing? If the response is "no", explain fully the reasons such contract is not completed.

Answer:

Without waiving its objections filed separately on September 18, 2000, FPC states that it is seriously negotiating with each of the providers identified above and is confident that a contract will be executed in time to provide adequate natural gas transportation capacity for Hines 2. However, given the various contingencies impacting each of the pipeline providers (ie. The El-Paso-Coastal merger, FGT's decision on Phase 6 timing, Bucaneer's landowner issues in Pasco County, and the status of the El Paso Cypress Project), FPC is unable to predict at this time whether these negotiations will be completed by the hearing date.

38. Witness Major states in his testimony, at page 8, lines 11 - 13, that the existing lateral is sufficient to supply the Hines 2 unit. Witness Niekum states in his testimony, at page 5, lines 9-20, that FPC does not have firm capacity sufficient to serve Hines 2, but that FPC will be able to serve Hines 2 by the expected in-service date in late 2003. Does FPC have to build any facilities to provide service to Hines 2 because they do not have sufficient capacity, or if the existing lateral is sufficient, will FGT or another provider have to do anything to serve the Hines 2 unit?

Answer:

The existing lateral from the Hines meter and regulatory station is adequately sized to accommodate the additional volumes of natural gas necessary for Hines 2 regardless of the transportation service provider selected. In order to provide the needed transportation service to this point, however, each of the pipeline owners (including FGT) will have to build new (or expand existing) mainline capacity that connects back to the natural gas producing areas.

ON BEHALF OF
FLORIDA POWER CORPORATION

As Its: DIRECTOR - INTEGRATED RESOURCE PLANNING AND FORECASTING

STATE OF FLORIDA

COUNTY OF Pinellas

The foregoing instrument was acknowledged before me this 6th day of October 2000, by JOHN B. CRISP, in his capacity as DIRECTOR - INTEGRATED RESOURCE PLANNING and FORECASTING of FLORIDA POWER CORPORATION, a Florida corporation, on behalf of the corporation. He is personally known to me.

JEAN L. COSTELLO
MY COMMISSION # CC 622990
EXPIRES: February 21, 2001
Bonded Thru Notary Public Underwriters

(AFFIX NOTARIAL SEAL)

Jean L. Costello
(Signature)

Jean L. Costello
(Printed Name)

NOTARY PUBLIC, STATE OF Florida

Feb 21 2001
(Commission Expiration Date)

CC 622990
(Serial Number, If Any)