

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology		1
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date	November 22, 2006	
LDA	NA	
ORG_ID	Participant	
Unit ID	PJM Input	
Plant Commercial Operation Year	2002	
Capacity Planning Year (Start June 1 to Finish May 31)	2007	
Age of Plant	5	
Net Plant Heat Rate (BTU/kWh) (HHV)	9,500	
Current Plant Value (\$Million)	\$30.00	
Plant Value (\$/kW)	\$500.00	
ICAP (MW)	60.0	
EFORd	0.00	
UCAP (MW)	60.0	
ACR ICAP Based	\$19.89	
ACR UCAP Based	\$19.89	

Section 3A - Simple Cycle CT, Diesel or Combined Cycle Technical Information	
Primary Fuel	No. 2 Oil
Back Up Fuel	None
On Site Natural Gas Compression	No
CT or Diesel OEM	Caterpillar
CT or Diesel Model	NA
CT or Diesel Rating at ISO (MW)	5.0
Number of CT or Diesel Units	12
STG OEM	Not Available
STG Capacity (MW)	NA
Number of STG	NA
Per HRSG Duct Burner Capacity (MMBTU/Hr) (HHV)	NA
CT/Diesel Nox Control Type	None
CT/Diesel Exhaust Nox Control	None
HRSG HP Pressure/Temperature	NA
HRSG Reheat Pressure/Temperature	NA
Average Steam Export Flow to Host (Lbs/Hr)	NA
Average Electric Export Flow to Host (MW)	NA
Condenser Cooling System	None
Turbine Inlet Air Cooling Technology (TIC)	None
Target Inlet Temperature if Mechanical TIC	NA

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$19.89	1.10	\$5.31	\$2.49	\$3.12	\$0.52	\$4.46	\$1.34	\$0.58	\$0.29

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$135,720	\$2,262	\$6.20	\$19,500	85.6%	\$116,220	\$1,937	\$5.31
Administrative Expenses (AAE)	\$70,500	\$1,175	\$3.22	\$16,008	77.3%	\$54,492	\$908	\$2.49
Maintenance Expenses (AME)	\$76,000	\$1,267	\$3.47	\$7,600	90.0%	\$68,400	\$1,140	\$3.12
Variable Expenses (AVE)	\$18,000	\$300	\$0.82	\$6,600	63.3%	\$11,400	\$190	\$0.52
Taxes Fees and Insurance (ATFI)	\$186,000	\$3,100	\$8.49	\$88,250	52.6%	\$97,750	\$1,629	\$4.46
Carrying Charges (ACC)	\$45,832	\$764	\$2.09	\$16,445	64.1%	\$29,386	\$490	\$1.34
Corporate Level Expenses (ACLE)	\$15,000	\$250	\$0.68	\$2,250	85.0%	\$12,750	\$213	\$0.58
Project Investment Recovery Rate (APIR)	\$6,250	\$104	\$0.29	\$0	100.0%	\$6,250	\$104	\$0.29
<b>Total</b>	<b>\$553,302</b>	<b>\$9,222</b>	<b>\$25.26</b>	<b>\$156,653</b>	<b>71.7%</b>	<b>\$396,648</b>	<b>\$6,611</b>	<b>\$18.11</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$135,720	85.6%	\$116,220
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$40,500	73.3%	\$29,700
Employee Expenses	\$3,000	89.3%	\$2,679
Environmental Fees	\$10,000	75.0%	\$7,500
Safety & Operator Training	\$3,000	89.3%	\$2,679
Office Supplies	\$1,000	73.3%	\$733
Communications	\$3,000	73.3%	\$2,200
Annual Plant Tests, Inspections & Analysis	\$10,000	90.0%	\$9,000
Total	\$70,500	77.3%	\$54,492
Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$50,000	90.0%	\$45,000
Maintenance Contract Services	\$15,000	90.0%	\$13,500
Chemicals & Materials Consumed	\$1,000	90.0%	\$900
Rented Equipment	\$10,000	90.0%	\$9,000
Total	\$76,000	90.0%	\$68,400
Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$2,000	90.0%	\$1,800
Lubricants	\$2,000	90.0%	\$1,800
Water (Not for Power Generation)	\$1,000	50.0%	\$500
Gas (Not for Power Generation)	\$1,000	50.0%	\$500
Electric (Not for Power Generation)	\$10,000	50.0%	\$5,000
Waste Water Treatment	\$2,000	90.0%	\$1,800
Total	\$18,000	63.3%	\$11,400
Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$150,000	60.0%	\$90,000
Permits and Licensing Fees	\$10,000	75.0%	\$7,500
Site Security and Utilities	\$1,000	25.0%	\$250
Annual Property Tax Payment	\$25,000	0.0%	\$0
Total	\$186,000	52.6%	\$97,750
Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$100,000	0.0%	\$0
Fuel Inventory	\$529,736	75.0%	\$397,302
Other Inventory	\$25,000	90.0%	\$22,500
Total	\$654,736	64.1%	\$419,802
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$45,832	64.1%	\$29,386
Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$5,000	90.0%	\$4,500
Environmental Reporting	\$5,000	75.0%	\$3,750
Procurement Expenses	\$5,000	90.0%	\$4,500
Total	\$15,000	85.0%	\$12,750
Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$6,250	100.0%	\$6,250

Section 11A - Project Investment - PI		
Equipment Cost		\$50,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
Total Project Investment		\$50,000
Age of Plant		5
Remaining Life of Plant		20
Entitled Plant CRF		0.125
Project Investment Recovery Rate		\$6,250
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	3.0
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	4,043
Gallons In Inventory	291,064
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	22.80
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - DIESEL

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	0%
99	Benefits Percent of Base (%)	35.0%

100	<b>Operating Onsite &amp; Offsite Plant Work Force</b>																
101																	
102																	
103	<b>Section 5 - Administrative Expense (AAE)</b>		<b>Onsite</b>		<b>Offsite</b>	<b>On &amp; Offsite</b>											
104	Plant Manager				0.00	0.00											
105	Operations Manager				0.25	0.25											
106	Maintenance Manager				0.00	0.00											
107	Technical Manager				0.00	0.00											
108	Plant-Environmental-Design Engineer				0.00	0.00											
109	ND Testing-Balancing-Chemist-Inspection				0.00	0.00											
110	Plant Engineer/Environmental				0.00	0.00											
111	Accounting/Purchasing				0.00	0.00											
112	Secretary/Administration				0.25	0.25											
113	Total Administrative				0.50	0.50											
114																	
115	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense	
116	<b>Section 4 - AOML Operations</b>		<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Offsite</b>	<b>On &amp; Offsite</b>									
117	Shift Supervisor					0	0.00	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
118	Lead Operator	1				0	1.00	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$88,920
119	Auxiliary Operator					0	0.00	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$0
120	Plant Mechanic					0	0.00	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0
121	Fuel Handling					0	0.00	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
122	Total Operations					0	1.00										\$88,920
123	<b>Section 4 - AOML Maintenance</b>		<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Offsite</b>	<b>On &amp; Offsite</b>									
124	Foreman					0	0.00	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0
125	Millwright					0	0.00	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
126	Pipe fitters					0	0.00	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
127	Boilermaker					0	0.00	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
128	Laborer					0	0.00	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0
129	Electrician/I&C	0.5				0	0.50	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$46,800
130	Total Maintenance					0	0.50										\$46,800
131	Total					1	2.00										\$176,220

132	<b>Non-Avoidable Onsite &amp; Offsite Plant Work Force</b>																
133																	
134																	
135																	
136	<b>Section 5 - Administrative Expense (AAE)</b>		<b>Onsite</b>		<b>Offsite</b>	<b>On &amp; Offsite</b>											
137	Plant Manager				0	0.00											
138	Operations Manager				0.00	0.10											
139	Maintenance Manager				0	0.00											
140	Technical Manager				0	0.00											
141	Plant-Environmental-Design Engineer				0	0.00											
142	ND Testing-Balancing-Chemist-Inspection				0	0.00											
143	Plant Engineer/Environmental				0	0.00											
144	Accounting/Purchasing				0	0.00											
145	Secretary/Administration				0.0	0.00											
146	Total Administrative				0.10	0.10											
147																	
148	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense	
149	<b>Section 4 - AOML Operations</b>		<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Offsite</b>	<b>On &amp; Offsite</b>									
150	Shift Supervisor					0	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
151	Lead Operator	0	0	0	0	0	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0
152	Auxiliary Operator	0	0	0	0	0	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$0
153	Plant Mechanic					0	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0
154	Fuel Handling					0	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
155	Total Operations					0	0										\$0
156	<b>Section 4 - AOML Maintenance</b>		<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Offsite</b>	<b>On &amp; Offsite</b>									
157	Foreman					0	0.00	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0
158	Millwright					0.25	0.00	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$19,500
159	Pipe fitters					0	0.00	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
160	Boilermaker					0	0.00	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
161	Laborer					0	0.00	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0
162	Electrician/I&C					0	0.00	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0
163	Total Maintenance					0.00	0.25										\$19,500
164	Total					0.10	0.35										\$30,300

**Instructions to Participant**  
Participant to complete all cells in blue text.  
Cells in black text are calculated values

Section 1 - Power Plant Technology		1
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date	November 22, 2006	
LDA	NA	
ORG_ID	Participant	
Unit ID	PJM Input	
Plant Commercial Operation Year	1970	
Capacity Planning Year (Start June 1 to Finish May 31)	2007	
Age of Plant	37	
Net Plant Heat Rate (BTU/kWh) (HHV)	15,000	
Current Plant Value (\$Million)	\$40.00	
Plant Value (\$/kW)	\$200.00	
ICAP (MW)	200.0	
EFORd	0.00	
UCAP (MW)	200.0	
ACR ICAP Based	\$18.37	
ACR UCAP Based	\$18.37	

Section 3A - Simple Cycle CT, Diesel or Combined Cycle Technical Information	
Primary Fuel	No. 2 Oil
Back Up Fuel	Gas
On Site Natural Gas Compression	Yes
CT or Diesel OEM	GE
CT or Diesel Model	Frame 5B
CT or Diesel Rating at ISO (MW)	20.0
Number of CT or Diesel Units	10
STG OEM	Not Available
STG Capacity (MW)	NA
Number of STG	NA
Per HRSG Duct Burner Capacity (MMBTU/Hr) (HHV)	NA
CT/Diesel Nox Control Type	None
CT/Diesel Exhaust Nox Control	None
HRSG HP Pressure/Temperature	NA
HRSG Reheat Pressure/Temperature	NA
Average Steam Export Flow to Host (Lbs/Hr)	NA
Average Electric Export Flow to Host (MW)	NA
Condenser Cooling System	None
Turbine Inlet Air Cooling Technology (TIC)	None
Target Inlet Temperature if Mechanical TIC	NA

Variable O&M Estimates - Frame Unit - Using Cost Development Guidelines (CDG) Manual					
Example Calculation of Cost Development Guidelines Variable Operations and Maintenance Expense (\$ per MWh and \$ per MW-Day)					
These Costs Are Not Includable in the Avoided Costs Submittal					
Equivalent Service Hours (ESH) = (A x number of starts) + Z hours + (B x Y hours)					
A = Cyclic Starting Factor			10		
B = Cyclic Peaking Factor			3		
Z = Total Unit Operating Hours at any load level			300		
Y = Hours above base load temperature limit			0		
Number of Starts			50		
Historical VOM (\$/Hour)				\$1,250.00	
Historical VOM (\$/MWH)				\$6.25	
ESH Calculation					
ESH =	(A x	Number of Starts) +	Z +	(B x	Y)
	800	10	50	300	3
Plant Historical Annual CDTF Maintenance Dollars (\$)				\$1,000,000	
Annual Production (MWh)				160,000	
Equivalent Fixed Costs (\$/MW-Day)				\$13.70	
Maintenance Activities Included in CDG VOM					
1. Combustion Inspections Parts and Labor					
2. Hot Gas Path Inspections Part and Labor					
3. Major Overhauls Parts and Labor					

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)										
Avoidable Cost Rate =	[ 1.10	x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$18.37	1.10		\$3.91	\$2.71	\$4.87	\$1.27	\$1.52	\$1.36	\$0.70	\$0.40

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$449,280	\$2,246	\$6.15	\$163,800	63.5%	\$285,480	\$1,427	\$3.91
Administrative Expenses (AAE)	\$277,000	\$1,385	\$3.79	\$79,208	71.4%	\$197,792	\$989	\$2.71
Maintenance Expenses (AME)	\$395,000	\$1,975	\$5.41	\$39,500	90.0%	\$355,500	\$1,778	\$4.87
Variable Expenses (AVE)	\$145,000	\$725	\$1.99	\$52,500	63.8%	\$92,500	\$463	\$1.27
Taxes Fees and Insurance (ATFI)	\$285,000	\$1,425	\$3.90	\$173,750	39.0%	\$111,250	\$556	\$1.52
Carrying Charges (ACC)	\$149,361	\$747	\$2.05	\$50,203	66.4%	\$99,158	\$496	\$1.36
Corporate Level Expenses (ACLE)	\$60,000	\$300	\$0.82	\$9,000	85.0%	\$51,000	\$255	\$0.70
Project Investment Recovery Rate (APIR)	\$29,200	\$146	\$0.40	\$0	100.0%	\$29,200	\$146	\$0.40
<b>Total</b>	<b>\$1,789,841</b>	<b>\$8,949</b>	<b>\$24.52</b>	<b>\$567,961</b>	<b>68.3%</b>	<b>\$1,221,880</b>	<b>\$6,109</b>	<b>\$16.74</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$449,280	63.5%	\$285,480
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$162,000	66.7%	\$108,000
Employee Expenses	\$10,000	63.5%	\$6,354
Environmental Fees	\$25,000	75.0%	\$18,750
Safety & Operator Training	\$10,000	63.5%	\$6,354
Office Supplies	\$5,000	66.7%	\$3,333
Communications	\$15,000	66.7%	\$10,000
Annual Plant Tests, Inspections & Analysis	\$50,000	90.0%	\$45,000
Total	\$277,000	71.4%	\$197,792
Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$250,000	90.0%	\$225,000
Maintenance Contract Services	\$125,000	90.0%	\$112,500
Chemicals & Materials Consumed	\$10,000	90.0%	\$9,000
Rented Equipment	\$10,000	90.0%	\$9,000
Total	\$395,000	90.0%	\$355,500
Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$25,000	90.0%	\$22,500
Lubricants	\$20,000	90.0%	\$18,000
Water (Not for Power Generation)	\$10,000	50.0%	\$5,000
Gas (Not for Power Generation)	\$10,000	50.0%	\$5,000
Electric (Not for Power Generation)	\$75,000	50.0%	\$37,500
Waste Water Treatment	\$5,000	90.0%	\$4,500
Total	\$145,000	63.8%	\$92,500
Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$150,000	60.0%	\$90,000
Permits and Licensing Fees	\$25,000	75.0%	\$18,750
Site Security and Utilities	\$10,000	25.0%	\$2,500
Annual Property Tax Payment	\$100,000	0.0%	\$0
Total	\$285,000	39.0%	\$111,250
Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$250,000	0.0%	\$0
Fuel Inventory	\$1,858,723	75.0%	\$1,394,043
Other Inventory	\$25,000	90.0%	\$22,500
Total	\$2,133,723	66.4%	\$1,416,543
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$149,361	66.4%	\$99,158
Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$20,000	90.0%	\$18,000
Environmental Reporting	\$20,000	75.0%	\$15,000
Procurement Expenses	\$20,000	90.0%	\$18,000
Total	\$60,000	85.0%	\$51,000
Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$29,200	100.0%	\$29,200

Section 11A - Project Investment - PI		
Equipment Cost		\$200,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
Total Project Investment		\$200,000
Age of Plant		37
Remaining Life of Plant		15
Entitled Plant CRF		0.146
Project Investment Recovery Rate		\$29,200
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	2.0
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	21,277
Gallons In Inventory	1,021,277
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	120.00
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - COMBUSTION TURBINE SUB CATEGORY - FIRST GENERATION FRAME B TECHNOLOGY

94 Section 4 & 5 - Staffing Assumptions to Determine AOML and AAE

95 Base Annual Labor Hours	2,080
96 Overtime Hours (%)	10%
97 Overtime Wage of Base (%)	150%
98 Administrative Bonus (%)	0%
99 Benefits Percent of Base (%)	35.0%

100 Operating Onsite & Offsite Plant Work Force

	Total						Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense					
103 Section 5 - Administrative Expense (AAE)	Onsite		Offsite		On & Offsite												
104 Plant Manager					0	0	\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$0					
105 Operations Manager	1				0	1	\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$108,000					
106 Maintenance Manager					0	0	\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0					
107 Technical Manager					0	0	\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0					
108 Plant-Environmental-Design Engineer					0	0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0					
109 ND Testing-Balancing-Chemist-Inspection					0	0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0					
110 Plant Engineer/Environmental					0	0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0					
111 Accounting/Purchasing					0	0	\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0					
112 Secretary/Administration	1				0	1	\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000					
113 Total Administrative					0	2						\$162,000					
114 Shift Number	1	2	3	4			Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense	
116 Section 4 - AOML Operations	Onsite		Onsite		Offsite		On & Offsite										
117 Shift Supervisor					0	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0	
118 Lead Operator	1	1	1	1	0	4	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680	
119 Auxiliary Operator					0	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$0	
120 Plant Mechanic					0	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0	
121 Fuel Handling					0	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0	
122 Total Operations					0	4										\$355,680	
123 Section 4 - AOML Maintenance	Onsite		Onsite		Offsite		On & Offsite										
124 Foreman					0	0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0	
125 Millwright					0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
126 Pipe fitters					0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
127 Boilermaker					0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
128 Laborer					0	0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0	
129 Electrician/I&C	1				0	1	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$93,600	
130 Total Maintenance					0	1										\$93,600	
131 Total					0	7										\$611,280	

132 Non-Avoidable Onsite & Offsite Plant Work Force

	Total						Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense					
136 Section 5 - Administrative Expense (AAE)	Onsite		Offsite		On & Offsite												
137 Plant Manager	0				0	0	\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$0					
138 Operations Manager	0.50				0	1	\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$54,000					
139 Maintenance Manager	0				0	0	\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0					
140 Technical Manager	0				0	0	\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0					
141 Plant-Environmental-Design Engineer	0				0	0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0					
142 ND Testing-Balancing-Chemist-Inspection	0				0	0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0					
143 Plant Engineer/Environmental	0				0	0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0					
144 Accounting/Purchasing	0				0	0	\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0					
145 Secretary/Administration	0.0				0	0	\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$0					
146 Total Administrative					0	1						\$54,000					
147 Shift Number	1	2	3	4			Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense	
149 Section 4 - AOML Operations	Onsite		Onsite		Offsite		On & Offsite										
150 Shift Supervisor					0	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0	
151 Lead Operator	0	0	0	0	0	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0	
152 Auxiliary Operator	1	0	0	0	0	1	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$85,800	
153 Plant Mechanic					0	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0	
154 Fuel Handling					0	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0	
155 Total Operations					0	1										\$85,800	
156 Section 4 - AOML Maintenance	Onsite		Onsite		Offsite		On & Offsite										
157 Foreman	0				0	0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0	
158 Millwright	1				0	1	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000	
159 Pipe fitters	0				0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
160 Boilermaker	0				0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
161 Laborer	0				0	0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0	
162 Electrician/I&C	0				0	0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0	
163 Total Maintenance					0	1										\$78,000	
164 Total					0	3										\$217,800	

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
 2 CATEGORY - COMBUSTION TURBINE  
 3 SUB CATEGORY - FIRST GENERATION AERO TECHNOLOGY  
 4 11/22/06 2:09 PM

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology		1
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date	November 22, 2006	
LDA	NA	
ORG_ID	Participant	
Unit ID	PJM Input	
Plant Commercial Operation Year	1970	
Capacity Planning Year (Start June 1 to Finish May 31)	2007	
Age of Plant	37	
Net Plant Heat Rate (BTU/kWh) (HHV)	14,500	
Current Plant Value (\$Million)	\$40.00	
Plant Value (\$/kW)	\$200.00	
ICAP (MW)	200.0	
EFORd	0.00	
UCAP (MW)	200.0	
ACR ICAP Based	\$18.59	
ACR UCAP Based	\$18.59	

Section 3A - Simple Cycle CT, Diesel or Combined Cycle Technical Information	
Primary Fuel	No. 2 Oil
Back Up Fuel	Gas
On Site Natural Gas Compression	No
CT or Diesel OEM	Pratt & Whitney
CT or Diesel Model	FT 4A8
CT or Diesel Rating at ISO (MW)	20.0
Number of CT or Diesel Units	10
STG OEM	Not Available
STG Capacity (MW)	NA
Number of STG	NA
Per HRSG Duct Burner Capacity (MMBTU/Hr) (HHV)	NA
CT/Diesel Nox Control Type	None
CT/Diesel Exhaust Nox Control	None
HRSG HP Pressure/Temperature	NA
HRSG Reheat Pressure/Temperature	NA
Average Steam Export Flow to Host (Lbs/Hr)	NA
Average Electric Export Flow to Host (MW)	NA
Condenser Cooling System	None
Turbine Inlet Air Cooling Technology (TIC)	None
Target Inlet Temperature if Mechanical TIC	NA

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$18.59	1.10	\$3.91	\$2.71	\$5.18	\$1.21	\$1.52	\$1.31	\$0.70	\$0.40

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$449,280	\$2,246	\$6.15	\$163,800	63.5%	\$285,480	\$1,427	\$3.91
Administrative Expenses (AAE)	\$277,000	\$1,385	\$3.79	\$79,208	71.4%	\$197,792	\$989	\$2.71
Maintenance Expenses (AME)	\$420,000	\$2,100	\$5.75	\$42,000	90.0%	\$378,000	\$1,890	\$5.18
Variable Expenses (AVE)	\$140,000	\$700	\$1.92	\$52,000	62.9%	\$88,000	\$440	\$1.21
Taxes Fees and Insurance (ATFI)	\$285,000	\$1,425	\$3.90	\$173,750	39.0%	\$111,250	\$556	\$1.52
Carrying Charges (ACC)	\$145,024	\$725	\$1.99	\$49,118	66.1%	\$95,905	\$480	\$1.31
Corporate Level Expenses (ACLE)	\$60,000	\$300	\$0.82	\$9,000	85.0%	\$51,000	\$255	\$0.70
Project Investment Recovery Rate (APIR)	\$29,200	\$146	\$0.40	\$0	100.0%	\$29,200	\$146	\$0.40
<b>Total</b>	<b>\$1,805,504</b>	<b>\$9,028</b>	<b>\$24.73</b>	<b>\$568,877</b>	<b>68.5%</b>	<b>\$1,236,627</b>	<b>\$6,183</b>	<b>\$16.94</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$449,280	63.5%	\$285,480
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$162,000	66.7%	\$108,000
Employee Expenses	\$10,000	63.5%	\$6,354
Environmental Fees	\$25,000	75.0%	\$18,750
Safety & Operator Training	\$10,000	63.5%	\$6,354
Office Supplies	\$5,000	66.7%	\$3,333
Communications	\$15,000	66.7%	\$10,000
Annual Plant Tests, Inspections & Analysis	\$50,000	90.0%	\$45,000
Total	\$277,000	71.4%	\$197,792
Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$275,000	90.0%	\$247,500
Maintenance Contract Services	\$125,000	90.0%	\$112,500
Chemicals & Materials Consumed	\$10,000	90.0%	\$9,000
Rented Equipment	\$10,000	90.0%	\$9,000
Total	\$420,000	90.0%	\$378,000
Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$20,000	90.0%	\$18,000
Lubricants	\$20,000	90.0%	\$18,000
Water (Not for Power Generation)	\$10,000	50.0%	\$5,000
Gas (Not for Power Generation)	\$10,000	50.0%	\$5,000
Electric (Not for Power Generation)	\$75,000	50.0%	\$37,500
Waste Water Treatment	\$5,000	90.0%	\$4,500
Total	\$140,000	62.9%	\$88,000
Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$150,000	60.0%	\$90,000
Permits and Licensing Fees	\$25,000	75.0%	\$18,750
Site Security and Utilities	\$10,000	25.0%	\$2,500
Annual Property Tax Payment	\$100,000	0.0%	\$0
Total	\$285,000	39.0%	\$111,250
Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$250,000	0.0%	\$0
Fuel Inventory	\$1,796,766	75.0%	\$1,347,574
Other Inventory	\$25,000	90.0%	\$22,500
Total	\$2,071,766	66.1%	\$1,370,074
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$145,024	66.1%	\$95,905
Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$20,000	90.0%	\$18,000
Environmental Reporting	\$20,000	75.0%	\$15,000
Procurement Expenses	\$20,000	90.0%	\$18,000
Total	\$60,000	85.0%	\$51,000
Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$29,200	100.0%	\$29,200

Section 11A - Project Investment - PI		
Equipment Cost		\$200,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
Total Project Investment		\$200,000
Age of Plant		37
Remaining Life of Plant		15
Entitled Plant CRF		0.146
Project Investment Recovery Rate		\$29,200
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	2.0
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	20,567
Gallons In Inventory	987,234
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	116.00
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	0%
99	Benefits Percent of Base (%)	35.0%

Operating Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense				
	Onsite	Offsite	Total		On & Offsite											
103	<b>Section 5 - Administrative Expense (AAE)</b>															
104	Plant Manager				0	0	\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$0				
105	Operations Manager	1			0	1	\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$108,000				
106	Maintenance Manager				0	0	\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0				
107	Technical Manager				0	0	\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0				
108	Plant-Environmental-Design Engineer				0	0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
109	ND Testing-Balancing-Chemist-Inspection				0	0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
110	Plant Engineer/Environmental				0	0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
111	Accounting/Purchasing				0	0	\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0				
112	Secretary/Administration	1			0	1	\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000				
113	Total Administrative				0	2						\$162,000				
114							Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Labor w Benefits	Total Expense	
115	Shift Number	1	2	3	4											
116	<b>Section 4 - AOML Operations</b>															
117	Shift Supervisor					0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
118	Lead Operator	1	1	1	1	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680
119	Auxiliary Operator					0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$0
120	Plant Mechanic					0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0
121	Fuel Handling					0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
122	Total Operations					0										\$355,680
123	<b>Section 4 - AOML Maintenance</b>															
124	Foreman					0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0
125	Millwright					0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
126	Pipe fitters					0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
127	Boilermaker					0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
128	Laborer					0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0
129	Electrician/I&C	1				0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$93,600
130	Total Maintenance					0										\$93,600
131	Total					0										\$611,280

Non-Avoidable Onsite & Offsite Plant Work Force													Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense
	Onsite	Offsite	Total		On & Offsite													
136	<b>Section 5 - Administrative Expense (AAE)</b>																	
137	Plant Manager				0	0	\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$0						
138	Operations Manager	0.50			0	1	\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$54,000						
139	Maintenance Manager				0	0	\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0						
140	Technical Manager				0	0	\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0						
141	Plant-Environmental-Design Engineer				0	0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
142	ND Testing-Balancing-Chemist-Inspection				0	0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
143	Plant Engineer/Environmental				0	0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
144	Accounting/Purchasing				0	0	\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0						
145	Secretary/Administration	0.0			0	0	\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$0						
146	Total Administrative				0	1						\$54,000						
147							Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Labor w Benefits	Total Expense			
148	Shift Number	1	2	3	4													
149	<b>Section 4 - AOML Operations</b>																	
150	Shift Supervisor					0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0		
151	Lead Operator	0	0	0	0	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0		
152	Auxiliary Operator	1	0	0	0	1	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$85,800		
153	Plant Mechanic					0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0		
154	Fuel Handling					0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0		
155	Total Operations					0										\$85,800		
156	<b>Section 4 - AOML Maintenance</b>																	
157	Foreman					0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0		
158	Millwright	1				1	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000		
159	Pipe fitters					0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0		
160	Boilermaker					0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0		
161	Laborer					0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0		
162	Electrician/I&C					0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0		
163	Total Maintenance					0										\$78,000		
164	Total					0										\$217,800		

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
 2 CATEGORY - COMBUSTION TURBINE  
 3 SUB CATEGORY - SECOND GENERATION E TECHNOLOGY  
 4 11/22/06 2:09 PM

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology		1
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date	November 22, 2006	
LDA	NA	
ORG_ID	Participant	
Unit ID	PJM Input	
Plant Commercial Operation Year	2001	
Capacity Planning Year (Start June 1 to Finish May 31)	2007	
Age of Plant	6	
Net Plant Heat Rate (BTU/kWh) (HHV)	12,000	
Current Plant Value (\$Million)	\$250.00	
Plant Value (\$/kW)	\$390.63	
ICAP (MW)	640.0	
EFORD	0.00	
UCAP (MW)	640.0	
ACR ICAP Based	\$17.47	
ACR UCAP Based	\$17.47	

Section 3A - Simple Cycle CT, Diesel or Combined Cycle Technical Information	
Primary Fuel	Gas
Back Up Fuel	None
On Site Natural Gas Compression	Yes
CT or Diesel OEM	GE
CT or Diesel Model	PG7121EA
CT or Diesel Rating at ISO (MW)	80.0
Number of CT or Diesel Units	8
STG OEM	Not Available
STG Capacity (MW)	NA
Number of STG	NA
Per HRSG Duct Burner Capacity (MMBTU/Hr) (HHV)	NA
CT/Diesel Nox Control Type	Dry Low Nox
CT/Diesel Exhaust Nox Control	None
HRSG HP Pressure/Temperature	NA
HRSG Reheat Pressure/Temperature	NA
Average Steam Export Flow to Host (Lbs/Hr)	NA
Average Electric Export Flow to Host (MW)	NA
Condenser Cooling System	None
Turbine Inlet Air Cooling Technology (TIC)	Evaporative
Target Inlet Temperature if Mechanical TIC	NA

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$17.47	1.10	\$5.71	\$2.14	\$2.75	\$0.82	\$4.12	\$0.01	\$0.22	\$0.13

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$1,497,600	\$2,340	\$6.41	\$163,800	89.1%	\$1,333,800	\$2,084	\$5.71
Administrative Expenses (AAE)	\$581,500	\$909	\$2.49	\$82,486	85.8%	\$499,014	\$780	\$2.14
Maintenance Expenses (AME)	\$715,000	\$1,117	\$3.06	\$71,500	90.0%	\$643,500	\$1,005	\$2.75
Variable Expenses (AVE)	\$335,000	\$523	\$1.43	\$143,500	57.2%	\$191,500	\$299	\$0.82
Taxes Fees and Insurance (ATFI)	\$2,100,000	\$3,281	\$8.99	\$1,137,500	45.8%	\$962,500	\$1,504	\$4.12
Carrying Charges (ACC)	\$141,750	\$221	\$0.61	\$140,175	1.1%	\$1,575	\$2	\$0.01
Corporate Level Expenses (ACLE)	\$60,000	\$94	\$0.26	\$9,000	85.0%	\$51,000	\$80	\$0.22
Project Investment Recovery Rate (APIR)	\$29,200	\$46	\$0.13	\$0	100.0%	\$29,200	\$46	\$0.13
<b>Total</b>	<b>\$5,460,050</b>	<b>\$8,531</b>	<b>\$23.37</b>	<b>\$1,747,961</b>	<b>68.0%</b>	<b>\$3,712,089</b>	<b>\$5,800</b>	<b>\$15.89</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$1,497,600	89.1%	\$1,333,800
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$391,500	86.2%	\$337,500
Employee Expenses	\$25,000	89.1%	\$22,266
Environmental Fees	\$50,000	75.0%	\$37,500
Safety & Operator Training	\$25,000	89.1%	\$22,266
Office Supplies	\$15,000	86.2%	\$12,931
Communications	\$25,000	86.2%	\$21,552
Annual Plant Tests, Inspections & Analysis	\$50,000	90.0%	\$45,000
Total	\$581,500	85.8%	\$499,014
Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$500,000	90.0%	\$450,000
Maintenance Contract Services	\$200,000	90.0%	\$180,000
Chemicals & Materials Consumed	\$10,000	90.0%	\$9,000
Rented Equipment	\$5,000	90.0%	\$4,500
Total	\$715,000	90.0%	\$643,500
Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$20,000	90.0%	\$18,000
Lubricants	\$20,000	90.0%	\$18,000
Water (Not for Power Generation)	\$10,000	50.0%	\$5,000
Gas (Not for Power Generation)	\$15,000	50.0%	\$7,500
Electric (Not for Power Generation)	\$250,000	50.0%	\$125,000
Waste Water Treatment	\$20,000	90.0%	\$18,000
Total	\$335,000	57.2%	\$191,500
Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$1,500,000	60.0%	\$900,000
Permits and Licensing Fees	\$75,000	75.0%	\$56,250
Site Security and Utilities	\$25,000	25.0%	\$6,250
Annual Property Tax Payment	\$500,000	0.0%	\$0
Total	\$2,100,000	45.8%	\$962,500
Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$2,000,000	0.0%	\$0
Fuel Inventory	\$0	10.0%	\$0
Other Inventory	\$25,000	90.0%	\$22,500
Total	\$2,025,000	1.1%	\$22,500
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$141,750	1.1%	\$1,575
Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$20,000	90.0%	\$18,000
Environmental Reporting	\$20,000	75.0%	\$15,000
Procurement Expenses	\$20,000	90.0%	\$18,000
Total	\$60,000	85.0%	\$51,000
Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$29,200	100.0%	\$29,200

Section 11A - Project Investment - PI		
Equipment Cost		\$200,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
Total Project Investment		\$200,000
Age of Plant		6
Remaining Life of Plant		15
Entitled Plant CRF		0.146
Project Investment Recovery Rate		\$29,200
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	0.0
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	54,468
Gallons In Inventory	0
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	307.20
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - COMBUSTION TURBINE SUB CATEGORY - SECOND GENERATION E TECHNOLOGY

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	0%
99	Benefits Percent of Base (%)	35.0%

Operating Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense					
	Onsite	Offsite	On & Offsite		Total												
103	<b>Section 5 - Administrative Expense (AAE)</b>																
104	1	0	1		1	\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$168,750						
105	1	0	1		1	\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$108,000						
106	0	0	0		0	\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0						
107	0	0	0		0	\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0						
108	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
109	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
110	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
111	1	0	1		1	\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$60,750						
112	1	0	1		1	\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000						
113	<b>Total Administrative</b>					0	4					\$391,500					
114																	
115	Shift Number	1	2	3	4	Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense		
116	<b>Section 4 - AOML Operations</b>																
117	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite											
117	Shift Supervisor	0	0	0	0	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0	
118	Lead Operator	1	1	1	1	4	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680	
119	Auxiliary Operator	2	2	2	2	8	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$686,400	
120	Plant Mechanic	0	0	0	0	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0	
121	Fuel Handling	0	0	0	0	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0	
122	<b>Total Operations</b>					0	12									\$1,042,080	
123	<b>Section 4 - AOML Maintenance</b>																
124	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite											
124	Foreman	0	0	0	0	0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0	
125	Millwright	2	0	0	0	2	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$156,000	
126	Pipe fitters	0	0	0	0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
127	Boilermaker	0	0	0	0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
128	Laborer	2	0	0	0	2	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$112,320	
129	Electrician/I&C	2	0	0	0	2	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$187,200	
130	<b>Total Maintenance</b>					0	6									\$455,520	
131	<b>Total</b>					0	22										\$1,889,100

Non-Avoidable Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense					
	Onsite	Offsite	On & Offsite		Total												
136	<b>Section 5 - Administrative Expense (AAE)</b>																
137	0	0	0		0	\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$0						
138	0.25	0	0.25		0.25	\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$27,000						
139	0	0	0		0	\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0						
140	0	0	0		0	\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0						
141	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
142	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
143	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
144	0	0	0		0	\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0						
145	0.5	0	0.5		0.5	\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$27,000						
146	<b>Total Administrative</b>					0	1					\$54,000					
147																	
148	Shift Number	1	2	3	4	Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense		
149	<b>Section 4 - AOML Operations</b>																
149	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite											
150	Shift Supervisor	0	0	0	0	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0	
151	Lead Operator	0	0	0	0	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0	
152	Auxiliary Operator	1	0	0	0	1	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$85,800	
153	Plant Mechanic	0	0	0	0	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0	
154	Fuel Handling	0	0	0	0	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0	
155	<b>Total Operations</b>					0	1									\$85,800	
156	<b>Section 4 - AOML Maintenance</b>																
157	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite											
157	Foreman	0	0	0	0	0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0	
158	Millwright	1	0	0	0	1	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000	
159	Pipe fitters	0	0	0	0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
160	Boilermaker	0	0	0	0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
161	Laborer	0	0	0	0	0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0	
162	Electrician/I&C	0	0	0	0	0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0	
163	<b>Total Maintenance</b>					0	1									\$78,000	
164	<b>Total</b>					0	3										\$217,800

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
 2 CATEGORY - COMBUSTION TURBINE  
 3 SUB CATEGORY - THIRD GENERATION F TECHNOLOGY  
 4 11/22/06 2:09 PM

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology		1
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date	November 22, 2006	
LDA	NA	
ORG_ID	Participant	
Unit ID	PJM Input	
Plant Commercial Operation Year	2003	
Capacity Planning Year (Start June 1 to Finish May 31)	2007	
Age of Plant	4	
Net Plant Heat Rate (BTU/kWh) (HHV)	10,800	
Current Plant Value (\$Million)	\$141.00	
Plant Value (\$/kW)	\$420.90	
ICAP (MW)	335.0	
EFORD	0.00	
UCAP (MW)	335.0	
ACR ICAP Based	\$17.93	
ACR UCAP Based	\$17.93	

Section 3A - Simple Cycle CT, Diesel or Combined Cycle Technical Information	
Primary Fuel	Gas
Back Up Fuel	None
On Site Natural Gas Compression	Yes
CT or Diesel OEM	GE
CT or Diesel Model	PG7241FA
CT or Diesel Rating at ISO (MW)	171.2
Number of CT or Diesel Units	2
STG OEM	GE
STG Capacity (MW)	NA
Number of STG	NA
Per HRSG Duct Burner Capacity (MMBTU/Hr) (HHV)	NA
CT/Diesel Nox Control Type	Dry Low Nox
CT/Diesel Exhaust Nox Control	None
HRSG HP Pressure/Temperature	NA
HRSG Reheat Pressure/Temperature	NA
Average Steam Export Flow to Host (Lbs/Hr)	NA
Average Electric Export Flow to Host (MW)	NA
Condenser Cooling System	None
Turbine Inlet Air Cooling Technology (TIC)	Evaporative
Target Inlet Temperature if Mechanical TIC	NA

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$17.93	1.10	\$5.14	\$3.15	\$2.28	\$1.01	\$4.19	\$0.01	\$0.42	\$0.10

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$792,480	\$2,366	\$6.48	\$163,800	79.3%	\$628,680	\$1,877	\$5.14
Administrative Expenses (AAE)	\$460,750	\$1,375	\$3.77	\$75,532	83.6%	\$385,218	\$1,150	\$3.15
Maintenance Expenses (AME)	\$310,000	\$925	\$2.54	\$31,000	90.0%	\$279,000	\$833	\$2.28
Variable Expenses (AVE)	\$215,000	\$642	\$1.76	\$91,500	57.4%	\$123,500	\$369	\$1.01
Taxes Fees and Insurance (ATFI)	\$1,200,000	\$3,582	\$9.81	\$687,500	42.7%	\$512,500	\$1,530	\$4.19
Carrying Charges (ACC)	\$106,750	\$319	\$0.87	\$105,175	1.5%	\$1,575	\$5	\$0.01
Corporate Level Expenses (ACLE)	\$60,000	\$179	\$0.49	\$9,000	85.0%	\$51,000	\$152	\$0.42
Project Investment Recovery Rate (APIR)	\$12,500	\$37	\$0.10	\$0	100.0%	\$12,500	\$37	\$0.10
<b>Total</b>	<b>\$3,157,480</b>	<b>\$9,425</b>	<b>\$25.82</b>	<b>\$1,163,507</b>	<b>63.2%</b>	<b>\$1,993,973</b>	<b>\$5,952</b>	<b>\$16.31</b>

Section 4 - Operations and Maintenance Labor (AOML)			
	Base	% Avoidable	Avoidable
Operations and Maintenance	\$792,480	79.3%	\$628,680
Section 5 - Administrative Expense (AAE)			
	Base	% Avoidable	Avoidable
Administrative Salaries	\$330,750	83.7%	\$276,750
Employee Expenses	\$15,000	79.3%	\$11,900
Environmental Fees	\$25,000	75.0%	\$18,750
Safety & Operator Training	\$15,000	79.3%	\$11,900
Office Supplies	\$10,000	83.7%	\$8,367
Communications	\$15,000	83.7%	\$12,551
Annual Plant Tests, Inspections & Analysis	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$460,750</b>	<b>83.6%</b>	<b>\$385,218</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)			
	Base	% Avoidable	Avoidable
Maintenance Parts	\$250,000	90.0%	\$225,000
Maintenance Contract Services	\$50,000	90.0%	\$45,000
Chemicals & Materials Consumed	\$5,000	90.0%	\$4,500
Rented Equipment	\$5,000	90.0%	\$4,500
<b>Total</b>	<b>\$310,000</b>	<b>90.0%</b>	<b>\$279,000</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)			
	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$20,000	90.0%	\$18,000
Lubricants	\$10,000	90.0%	\$9,000
Water (Not for Power Generation)	\$10,000	50.0%	\$5,000
Gas (Not for Power Generation)	\$15,000	50.0%	\$7,500
Electric (Not for Power Generation)	\$150,000	50.0%	\$75,000
Waste Water Treatment	\$10,000	90.0%	\$9,000
<b>Total</b>	<b>\$215,000</b>	<b>57.4%</b>	<b>\$123,500</b>
Section 8 - Taxes Fees and Insurance (ATFI)			
	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$750,000	60.0%	\$450,000
Permits and Licensing Fees	\$75,000	75.0%	\$56,250
Site Security and Utilities	\$25,000	25.0%	\$6,250
Annual Property Tax Payment	\$350,000	0.0%	\$0
<b>Total</b>	<b>\$1,200,000</b>	<b>42.7%</b>	<b>\$512,500</b>
Section 9 - Carrying Charges (ACC)			
	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$1,500,000	0.0%	\$0
Fuel Inventory	\$0	10.0%	\$0
Other Inventory	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$1,525,000</b>	<b>1.5%</b>	<b>\$22,500</b>
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$106,750	1.5%	\$1,575
Section 10 - Corporate Level Expenses (ACLE)			
	Base	% Avoidable	Avoidable
Legal Services	\$20,000	90.0%	\$18,000
Environmental Reporting	\$20,000	75.0%	\$15,000
Procurement Expenses	\$20,000	90.0%	\$18,000
<b>Total</b>	<b>\$60,000</b>	<b>85.0%</b>	<b>\$51,000</b>
Section 11 - Project Investment Recovery Rate (APIR)			
	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$12,500	100.0%	\$12,500

Section 11A - Project Investment - PI		
Equipment Cost		\$100,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
<b>Total Project Investment</b>		<b>\$100,000</b>
Age of Plant		4
Remaining Life of Plant		20
Entitled Plant CRF		0.125
<b>Project Investment Recovery Rate</b>		<b>\$12,500</b>
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	0.0
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	25,660
Gallons In Inventory	0
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	144.72
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - COMBUSTION TURBINE SUB CATEGORY - THIRD GENERATION F TECHNOLOGY

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	0%
99	Benefits Percent of Base (%)	35.0%

Operating Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense					
	Onsite	Offsite	On & Offsite		Total												
103	<b>Section 5 - Administrative Expense (AAE)</b>																
104	1	0	1		1	\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$168,750						
105	1	0	1		1	\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$108,000						
106	0	0	0		0	\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0						
107	0	0	0		0	\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0						
108	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
109	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
110	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
111	0	0	0		0	\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0						
112	1	0	1		1	\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000						
113	<b>Total Administrative</b>					0	3					\$330,750					
114																	
115	Shift Number	1	2	3	4	Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense		
116	<b>Section 4 - AOML Operations</b>																
117	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite											
117	Shift Supervisor	0	0	0	0	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0	
118	Lead Operator	1	1	1	1	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680	
119	Auxiliary Operator	1	1	1	1	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$343,200	
120	Plant Mechanic	0	0	0	0	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0	
121	Fuel Handling	0	0	0	0	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0	
122	<b>Total Operations</b>					0	8									\$698,880	
123	<b>Section 4 - AOML Maintenance</b>																
124	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite											
124	Foreman	0	0	0	0	0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0	
125	Millwright	0	0	0	0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
126	Pipe fitters	0	0	0	0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
127	Boilermaker	0	0	0	0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
128	Laborer	0	0	0	0	0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0	
129	Electrician/I&C	1	0	0	1	0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$93,600	
130	<b>Total Maintenance</b>					0	1									\$93,600	
131	<b>Total</b>					0	12										\$1,123,230

Non-Avoidable Onsite & Offsite Plant Work Force													Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense
	Onsite	Offsite	On & Offsite		Total													
136	<b>Section 5 - Administrative Expense (AAE)</b>																	
137	0	0	0		0	\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$0							
138	0.25	0	0.25		0.25	\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$27,000							
139	0	0	0		0	\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0							
140	0	0	0		0	\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0							
141	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0							
142	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0							
143	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0							
144	0	0	0		0	\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0							
145	0.5	0	0.5		0.5	\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$27,000							
146	<b>Total Administrative</b>					0	1					\$54,000						
147																		
148	Shift Number	1	2	3	4	Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense			
149	<b>Section 4 - AOML Operations</b>																	
149	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite												
150	Shift Supervisor	0	0	0	0	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0		
151	Lead Operator	0	0	0	0	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0		
152	Auxiliary Operator	1	0	0	0	1	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$85,800		
153	Plant Mechanic	0	0	0	0	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0		
154	Fuel Handling	0	0	0	0	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0		
155	<b>Total Operations</b>					0	1									\$85,800		
156	<b>Section 4 - AOML Maintenance</b>																	
157	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite												
157	Foreman	0	0	0	0	0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0		
158	Millwright	1	0	0	0	1	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000		
159	Pipe fitters	0	0	0	0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0		
160	Boilermaker	0	0	0	0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0		
161	Laborer	0	0	0	0	0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0		
162	Electrician/I&C	0	0	0	0	0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0		
163	<b>Total Maintenance</b>					0	1									\$78,000		
164	<b>Total</b>					0	3										\$217,800	

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
 2 CATEGORY - COMBUSTION TURBINE  
 3 SUB CATEGORY - THIRD GENERATION AERO TECHNOLOGY (PRATT & WHITNEY TWINPAK)  
 4 11/22/06 2:09 PM

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology		1
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date	November 22, 2006	
LDA	NA	
ORG_ID	Participant	
Unit ID	PJM Input	
Plant Commercial Operation Year	2003	
Capacity Planning Year (Start June 1 to Finish May 31)	2007	
Age of Plant	4	
Net Plant Heat Rate (BTU/kWh) (HHV)	10,000	
Current Plant Value (\$Million)	\$125.00	
Plant Value (\$/kW)	\$416.67	
ICAP (MW)	300.0	
EFORd	0.00	
UCAP (MW)	300.0	
ACR ICAP Based	\$22.18	
ACR UCAP Based	\$22.18	

Section 3A - Simple Cycle CT, Diesel or Combined Cycle Technical Information	
Primary Fuel	Gas
Back Up Fuel	No. 2 Oil
On Site Natural Gas Compression	Yes
CT or Diesel OEM	Pratt & Whitney
CT or Diesel Model	FT8 TwinPak
CT or Diesel Rating at ISO (MW)	50.0
Number of CT or Diesel Units	6
STG OEM	NA
STG Capacity (MW)	NA
Number of STG	NA
Per HRSG Duct Burner Capacity (MMBTU/Hr) (HHV)	NA
CT/Diesel Nox Control Type	Water Injection
CT/Diesel Exhaust Nox Control	None
HRSG HP Pressure/Temperature	NA
HRSG Reheat Pressure/Temperature	NA
Average Steam Export Flow to Host (Lbs/Hr)	NA
Average Electric Export Flow to Host (MW)	NA
Condenser Cooling System	None
Turbine Inlet Air Cooling Technology (TIC)	Evaporative
Target Inlet Temperature if Mechanical TIC	NA

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)										
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]	
\$22.18	1.10	\$5.74	\$3.69	\$3.04	\$1.86	\$5.02	\$0.13	\$0.47	\$0.23	

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$792,480	\$2,642	\$7.24	\$163,800	79.3%	\$2,096	\$2,096	\$5.74
Administrative Expenses (AAE)	\$485,750	\$1,619	\$4.44	\$81,782	83.2%	\$403,968	\$1,347	\$3.69
Maintenance Expenses (AME)	\$370,000	\$1,233	\$3.38	\$37,000	90.0%	\$333,000	\$1,110	\$3.04
Variable Expenses (AVE)	\$295,000	\$983	\$2.69	\$91,500	69.0%	\$203,500	\$678	\$1.86
Taxes Fees and Insurance (ATFI)	\$1,350,000	\$4,500	\$12.33	\$800,000	40.7%	\$550,000	\$1,833	\$5.02
Carrying Charges (ACC)	\$201,861	\$673	\$1.84	\$187,275	7.2%	\$14,586	\$49	\$0.13
Corporate Level Expenses (ACLE)	\$60,000	\$200	\$0.55	\$9,000	85.0%	\$51,000	\$170	\$0.47
Project Investment Recovery Rate (APIR)	\$25,000	\$83	\$0.23	\$0	100.0%	\$25,000	\$83	\$0.23
<b>Total</b>	<b>\$3,580,091</b>	<b>\$11,934</b>	<b>\$32.69</b>	<b>\$1,370,357</b>	<b>61.7%</b>	<b>\$2,209,734</b>	<b>\$7,366</b>	<b>\$20.18</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$792,480	79.3%	\$628,680
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$330,750	83.7%	\$276,750
Employee Expenses	\$15,000	79.3%	\$11,900
Environmental Fees	\$50,000	75.0%	\$37,500
Safety & Operator Training	\$15,000	79.3%	\$11,900
Office Supplies	\$10,000	83.7%	\$8,367
Communications	\$15,000	83.7%	\$12,551
Annual Plant Tests, Inspections & Analysis	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$485,750</b>	<b>83.2%</b>	<b>\$403,968</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$275,000	90.0%	\$247,500
Maintenance Contract Services	\$75,000	90.0%	\$67,500
Chemicals & Materials Consumed	\$10,000	90.0%	\$9,000
Rented Equipment	\$10,000	90.0%	\$9,000
<b>Total</b>	<b>\$370,000</b>	<b>90.0%</b>	<b>\$333,000</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$100,000	90.0%	\$90,000
Lubricants	\$20,000	90.0%	\$18,000
Water (Not for Power Generation)	\$10,000	50.0%	\$5,000
Gas (Not for Power Generation)	\$20,000	50.0%	\$10,000
Electric (Not for Power Generation)	\$125,000	50.0%	\$62,500
Waste Water Treatment	\$20,000	90.0%	\$18,000
<b>Total</b>	<b>\$295,000</b>	<b>69.0%</b>	<b>\$203,500</b>
Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$750,000	60.0%	\$450,000
Permits and Licensing Fees	\$100,000	75.0%	\$75,000
Site Security and Utilities	\$100,000	25.0%	\$25,000
Annual Property Tax Payment	\$400,000	0.0%	\$0
<b>Total</b>	<b>\$1,350,000</b>	<b>40.7%</b>	<b>\$550,000</b>
Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$1,000,000	0.0%	\$0
Fuel Inventory	\$1,858,723	10.0%	\$185,872
Other Inventory	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$2,883,723</b>	<b>7.2%</b>	<b>\$208,372</b>
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$201,861	7.2%	\$14,586
Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$20,000	90.0%	\$18,000
Environmental Reporting	\$20,000	75.0%	\$15,000
Procurement Expenses	\$20,000	90.0%	\$18,000
<b>Total</b>	<b>\$60,000</b>	<b>85.0%</b>	<b>\$51,000</b>
Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$25,000	100.0%	\$25,000

Section 11A - Project Investment - PI		
Equipment Cost		\$200,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
<b>Total Project Investment</b>		<b>\$200,000</b>
Age of Plant		4
Remaining Life of Plant		20
Entitled Plant CRF		0.125
<b>Project Investment Recovery Rate</b>		<b>\$25,000</b>
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	2.0
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	21,277
Gallons In Inventory	1,021,277
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	120.00
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - COMBUSTION TURBINE SUB CATEGORY - THIRD GENERATION AERO TECHNOLOGY (PRATT & WHITNEY TWINPAK)

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	0%
99	Benefits Percent of Base (%)	35.0%

100	<b>Operating Onsite &amp; Offsite Plant Work Force</b>															
101																
102																
103	<b>Section 5 - Administrative Expense (AAE)</b>		<b>Onsite</b>		<b>Offsite</b>		<b>On &amp; Offsite</b>									
104	Plant Manager	1			0		1									
105	Operations Manager	1			0		1									
106	Maintenance Manager	0			0		0									
107	Technical Manager	0			0		0									
108	Plant-Environmental-Design Engineer	0			0		0									
109	ND Testing-Balancing-Chemist-Inspection	0			0		0									
110	Plant Engineer/Environmental	0			0		0									
111	Accounting/Purchasing	0			0		0									
112	Secretary/Administration	1			0		1									
113	Total Administrative				0		3									
114																
115	Shift Number	1	2	3	4											
116	<b>Section 4 - AOML Operations</b>		<b>Onsite</b>		<b>Offsite</b>		<b>On &amp; Offsite</b>									
117	Shift Supervisor					0	0									
118	Lead Operator	1	1	1	1	0	4									
119	Auxiliary Operator	1	1	1	1	0	4									
120	Plant Mechanic					0	0									
121	Fuel Handling					0	0									
122	Total Operations					0	8									
123	<b>Section 4 - AOML Maintenance</b>		<b>Onsite</b>		<b>Offsite</b>		<b>On &amp; Offsite</b>									
124	Foreman	0				0	0									
125	Millwright	0				0	0									
126	Pipe fitters	0				0	0									
127	Boilermaker	0				0	0									
128	Laborer	0				0	0									
129	Electrician/I&C	1				0	1									
130	Total Maintenance					0	1									
131	Total					0	12									
132																

133	<b>Non-Avoidable Onsite &amp; Offsite Plant Work Force</b>															
134																
135																
136	<b>Section 5 - Administrative Expense (AAE)</b>		<b>Onsite</b>		<b>Offsite</b>		<b>On &amp; Offsite</b>									
137	Plant Manager	0			0		0									
138	Operations Manager	0.25			0		0									
139	Maintenance Manager	0			0		0									
140	Technical Manager	0			0		0									
141	Plant-Environmental-Design Engineer	0			0		0									
142	ND Testing-Balancing-Chemist-Inspection	0			0		0									
143	Plant Engineer/Environmental	0			0		0									
144	Accounting/Purchasing	0			0		0									
145	Secretary/Administration	0.5			0		1									
146	Total Administrative				0		1									
147																
148	Shift Number	1	2	3	4											
149	<b>Section 4 - AOML Operations</b>		<b>Onsite</b>		<b>Offsite</b>		<b>On &amp; Offsite</b>									
150	Shift Supervisor					0	0									
151	Lead Operator	0	0	0	0	0	0									
152	Auxiliary Operator	1	0	0	0	0	1									
153	Plant Mechanic					0	0									
154	Fuel Handling					0	0									
155	Total Operations					0	1									
156	<b>Section 4 - AOML Maintenance</b>		<b>Onsite</b>		<b>Offsite</b>		<b>On &amp; Offsite</b>									
157	Foreman	0				0	0									
158	Millwright	1				0	1									
159	Pipe fitters	0				0	0									
160	Boilermaker	0				0	0									
161	Laborer	0				0	0									
162	Electrician/I&C	0				0	0									
163	Total Maintenance					0	1									
164	Total					0	3									

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
 2 CATEGORY - COMBUSTION TURBINE  
 3 SUB CATEGORY - THIRD GENERATION AERO TECHNOLOGY (GE LM 6000)  
 4 11/22/06 2:09 PM

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology		2
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date	November 22, 2006	
LDA	NA	
ORG_ID	Participant	
Unit ID	PJM Input	
Plant Commercial Operation Year	2001	
Capacity Planning Year (Start June 1 to Finish May 31)	2007	
Age of Plant	6	
Net Plant Heat Rate (BTU/kWh) (HHV)	9,800	
Current Plant Value (\$Million)	\$60.00	
Plant Value (\$/kW)	\$681.82	
ICAP (MW)	88.0	
EFORD	0.00	
UCAP (MW)	88.0	
ACR ICAP Based	\$42.28	
ACR UCAP Based	\$42.28	

Section 3A - Simple Cycle CT, Diesel or Combined Cycle Technical Information	
Primary Fuel	Gas
Back Up Fuel	No. 2 Oil
On Site Natural Gas Compression	Yes
CT or Diesel OEM	GE
CT or Diesel Model	LM 6000
CT or Diesel Rating at ISO (MW)	44.0
Number of CT or Diesel Units	2
STG OEM	GE
STG Capacity (MW)	NA
Number of STG	NA
Per HRSG Duct Burner Capacity (MMBTU/Hr) (HHV)	NA
CT/Diesel Nox Control Type	Water Injection
CT/Diesel Exhaust Nox Control	None
HRSG HP Pressure/Temperature	NA
HRSG Reheat Pressure/Temperature	NA
Average Steam Export Flow to Host (Lbs/Hr)	NA
Average Electric Export Flow to Host (MW)	NA
Condenser Cooling System	None
Turbine Inlet Air Cooling Technology (TIC)	Evaporative
Target Inlet Temperature if Mechanical TIC	NA

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$42.28	1.10	\$8.89	\$7.94	\$6.72	\$4.06	\$7.90	\$0.92	\$1.59	\$0.45

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$449,280	\$5,105	\$13.99	\$163,800	63.5%	\$285,480	\$3,244	\$8.89
Administrative Expenses (AAE)	\$330,250	\$3,753	\$10.28	\$75,267	77.2%	\$254,983	\$2,898	\$7.94
Maintenance Expenses (AME)	\$240,000	\$2,727	\$7.47	\$24,000	90.0%	\$216,000	\$2,455	\$6.72
Variable Expenses (AVE)	\$205,000	\$2,330	\$6.38	\$74,500	63.7%	\$130,500	\$1,483	\$4.06
Taxes Fees and Insurance (ATFI)	\$625,000	\$7,102	\$19.46	\$371,250	40.6%	\$253,750	\$2,884	\$7.90
Carrying Charges (ACC)	\$77,652	\$882	\$2.42	\$48,026	38.2%	\$29,627	\$337	\$0.92
Corporate Level Expenses (ACLE)	\$60,000	\$682	\$1.87	\$9,000	85.0%	\$51,000	\$580	\$1.59
Project Investment Recovery Rate (APIR)	\$14,600	\$166	\$0.45	\$0	100.0%	\$14,600	\$166	\$0.45
<b>Total</b>	<b>\$2,001,782</b>	<b>\$22,748</b>	<b>\$62.32</b>	<b>\$765,842</b>	<b>61.7%</b>	<b>\$1,235,940</b>	<b>\$14,045</b>	<b>\$38.48</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$449,280	63.5%	\$285,480
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$222,750	75.8%	\$168,750
Employee Expenses	\$7,500	63.5%	\$4,766
Environmental Fees	\$25,000	75.0%	\$18,750
Safety & Operator Training	\$10,000	63.5%	\$6,354
Office Supplies	\$5,000	75.8%	\$3,788
Communications	\$10,000	75.8%	\$7,576
Annual Plant Tests, Inspections & Analysis	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$330,250</b>	<b>77.2%</b>	<b>\$254,983</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$200,000	90.0%	\$180,000
Maintenance Contract Services	\$30,000	90.0%	\$27,000
Chemicals & Materials Consumed	\$5,000	90.0%	\$4,500
Rented Equipment	\$5,000	90.0%	\$4,500
<b>Total</b>	<b>\$240,000</b>	<b>90.0%</b>	<b>\$216,000</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$50,000	90.0%	\$45,000
Lubricants	\$10,000	90.0%	\$9,000
Water (Not for Power Generation)	\$50,000	50.0%	\$25,000
Gas (Not for Power Generation)	\$10,000	50.0%	\$5,000
Electric (Not for Power Generation)	\$75,000	50.0%	\$37,500
Waste Water Treatment	\$10,000	90.0%	\$9,000
<b>Total</b>	<b>\$205,000</b>	<b>63.7%</b>	<b>\$130,500</b>
Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$350,000	60.0%	\$210,000
Permits and Licensing Fees	\$50,000	75.0%	\$37,500
Site Security and Utilities	\$25,000	25.0%	\$6,250
Annual Property Tax Payment	\$200,000	0.0%	\$0
<b>Total</b>	<b>\$625,000</b>	<b>40.6%</b>	<b>\$253,750</b>
Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$550,000	0.0%	\$0
Fuel Inventory	\$534,321	75.0%	\$400,741
Other Inventory	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$1,109,321</b>	<b>38.2%</b>	<b>\$423,241</b>
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$77,652	38.2%	\$29,627
Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$20,000	90.0%	\$18,000
Environmental Reporting	\$20,000	75.0%	\$15,000
Procurement Expenses	\$20,000	90.0%	\$18,000
<b>Total</b>	<b>\$60,000</b>	<b>85.0%</b>	<b>\$51,000</b>
Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$14,600	100.0%	\$14,600

Section 11A - Project Investment - PI		
Equipment Cost		\$100,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
<b>Total Project Investment</b>		<b>\$100,000</b>
Age of Plant		6
Remaining Life of Plant		15
Entitled Plant CRF		0.146
<b>Project Investment Recovery Rate</b>		<b>\$14,600</b>
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	2.0
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	6,116
Gallons In Inventory	293,583
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	34.50
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

Section 4 & 5 - Staffing Assumptions to Determine AOML and AAE							Total					Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense											
94	Base Annual Labor Hours	2,080																										
95	Overtime Hours (%)	10%																										
96	Overtime Wage of Base (%)	150%																										
97	Administrative Bonus (%)	0%																										
98	Benefits Percent of Base (%)	35.0%																										
99	Operating Onsite & Offsite Plant Work Force																											
100	Operating Onsite & Offsite Plant Work Force																											
101	Operating Onsite & Offsite Plant Work Force																											
102	Operating Onsite & Offsite Plant Work Force																											
103	Section 5 - Administrative Expense (AAE)		Onsite		Offsite		On & Offsite										Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense						
104	Plant Manager	1		0		1										\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$168,750							
105	Operations Manager	0		0		0										\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$0							
106	Maintenance Manager	0		0		0										\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0							
107	Technical Manager	0		0		0										\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0							
108	Plant-Environmental-Design Engineer	0		0		0										\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0							
109	ND Testing-Balancing-Chemist-Inspection	0		0		0										\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0							
110	Plant Engineer/Environmental	0		0		0										\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0							
111	Accounting/Purchasing	0		0		0										\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0							
112	Secretary/Administration	1		0		1										\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000							
113	Total Administrative			0		2															\$222,750							
114	Operating Onsite & Offsite Plant Work Force																											
115	Shift Number	1	2	3	4			Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense											
116	Section 4 - AOML Operations		Onsite		Onsite		Offsite		On & Offsite								Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense		
117	Shift Supervisor	0		0		0		0								\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0			
118	Lead Operator	1		1		0		4								\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680			
119	Auxiliary Operator	0		0		0		0								\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$0			
120	Plant Mechanic	0		0		0		0								\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0			
121	Fuel Handling	0		0		0		0								\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0			
122	Total Operations			0		4																				\$355,680		
123	Section 4 - AOML Maintenance		Onsite		Onsite		Offsite		On & Offsite								Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense		
124	Foreman	0		0		0		0								\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0			
125	Millwright	0		0		0		0								\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0			
126	Pipe fitters	0		0		0		0								\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0			
127	Boilermaker	0		0		0		0								\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0			
128	Laborer	0		0		0		0								\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0			
129	Electrician/I&C	1		0		1		2,080								\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$93,600			
130	Total Maintenance			0		1																					\$93,600	
131	Total			0		7																						\$672,030
132	Non-Avoidable Onsite & Offsite Plant Work Force																											
133	Non-Avoidable Onsite & Offsite Plant Work Force																											
134	Non-Avoidable Onsite & Offsite Plant Work Force																											
135	Non-Avoidable Onsite & Offsite Plant Work Force																											
136	Section 5 - Administrative Expense (AAE)		Onsite		Offsite		On & Offsite										Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense						
137	Plant Manager	0		0		0										\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$0							
138	Operations Manager	0.25		0		0										\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$27,000							
139	Maintenance Manager	0		0		0										\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0							
140	Technical Manager	0		0		0										\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0							
141	Plant-Environmental-Design Engineer	0		0		0										\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0							
142	ND Testing-Balancing-Chemist-Inspection	0		0		0										\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0							
143	Plant Engineer/Environmental	0		0		0										\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0							
144	Accounting/Purchasing	0		0		0										\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0							
145	Secretary/Administration	0.5		0		1										\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$27,000							
146	Total Administrative			0		1															\$54,000							
147	Non-Avoidable Onsite & Offsite Plant Work Force																											
148	Shift Number	1	2	3	4			Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense											
149	Section 4 - AOML Operations		Onsite		Onsite		Offsite		On & Offsite								Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense		
150	Shift Supervisor	0		0		0		0								\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0			
151	Lead Operator	0		0		0		0								\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0			
152	Auxiliary Operator	1		0		0		1								\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$85,800			
153	Plant Mechanic	0		0		0		0								\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0			
154	Fuel Handling	0		0		0		0								\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0			
155	Total Operations			0		1																					\$85,800	
156	Section 4 - AOML Maintenance		Onsite		Onsite		Offsite		On & Offsite								Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense		
157	Foreman	0		0		0		0								\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0			
158	Millwright	1		0		1		2,080								\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000			
159	Pipe fitters	0		0		0		0								\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0			
160	Boilermaker	0		0		0		0								\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0			
161	Laborer	0		0		0		0								\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0			
162	Electrician/I&C	0		0		0		0								\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0			
163	Total Maintenance			0		1																						\$78,000
164	Total			0		3																						\$217,800

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
 2 CATEGORY - COMBINED CYCLE  
 3 SUB CATEGORY - TWO ON ONE FRAME F TECHNOLOGY  
 4 11/22/06 2:09 PM

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology		2
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date	November 22, 2006	
LDA	NA	
ORG_ID	Participant	
Unit ID	PJM Input	
Plant Commercial Operation Year	2003	
Capacity Planning Year (Start June 1 to Finish May 31)	2007	
Age of Plant	4	
Net Plant Heat Rate (BTU/kWh) (HHV)	7,050	
Current Plant Value (\$Million)	\$300.00	
Plant Value (\$/kW)	\$582.52	
ICAP (MW)	515.0	
EFORD	0.00	
UCAP (MW)	515.0	
ACR ICAP Based	\$23.40	
ACR UCAP Based	\$23.40	

Section 3A - Simple Cycle CT, Diesel or Combined Cycle Technical Information	
Primary Fuel	Gas
Back Up Fuel	None
On Site Natural Gas Compression	Yes
CT or Diesel OEM	GE
CT or Diesel Model	PG7241FA
CT or Diesel Rating at ISO (MW)	171.7
Number of CT or Diesel Units	2
STG OEM	GE
STG Capacity (MW)	200.0
Number of STG	1
Per HRSG Duct Burner Capacity (MMBTU/Hr) (HHV)	30.0
CT/Diesel Nox Control Type	Dry Low Nox
CT/Diesel Exhaust Nox Control	SCR
HRSG HP Pressure/Temperature	2,000/1,000
HRSG Reheat Pressure/Temperature	600/1,000
Average Steam Export Flow to Host (Lbs/Hr)	NA
Average Electric Export Flow to Host (MW)	NA
Condenser Cooling System	Wet Cooling Tower
Turbine Inlet Air Cooling Technology (TIC)	Evaporative
Target Inlet Temperature if Mechanical TIC	NA

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$23.40	1.10	\$6.12	\$2.42	\$3.28	\$2.67	\$6.28	\$0.01	\$0.34	\$0.17

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$1,400,880	\$2,720	\$7.45	\$249,600	82.2%	\$1,151,280	\$2,235	\$6.12
Administrative Expenses (AAE)	\$539,500	\$1,048	\$2.87	\$83,812	84.5%	\$455,688	\$885	\$2.42
Maintenance Expenses (AME)	\$685,000	\$1,330	\$3.64	\$68,500	90.0%	\$616,500	\$1,197	\$3.28
Variable Expenses (AVE)	\$795,000	\$1,544	\$4.23	\$293,500	63.1%	\$501,500	\$974	\$2.67
Taxes Fees and Insurance (ATFI)	\$2,500,000	\$4,854	\$13.30	\$1,320,000	47.2%	\$1,180,000	\$2,291	\$6.28
Carrying Charges (ACC)	\$211,750	\$411	\$1.13	\$210,175	0.7%	\$1,575	\$3	\$0.01
Corporate Level Expenses (ACLE)	\$75,000	\$146	\$0.40	\$11,250	85.0%	\$63,750	\$124	\$0.34
Project Investment Recovery Rate (APIR)	\$31,250	\$61	\$0.17	\$0	100.0%	\$31,250	\$61	\$0.17
<b>Total</b>	<b>\$6,238,380</b>	<b>\$12,113</b>	<b>\$33.19</b>	<b>\$2,236,837</b>	<b>64.1%</b>	<b>\$4,001,543</b>	<b>\$7,770</b>	<b>\$21.29</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$1,400,880	82.2%	\$1,151,280
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$364,500	85.2%	\$310,500
Employee Expenses	\$20,000	82.2%	\$16,437
Environmental Fees	\$50,000	75.0%	\$37,500
Safety & Operator Training	\$20,000	82.2%	\$16,437
Office Supplies	\$10,000	85.2%	\$8,519
Communications	\$25,000	85.2%	\$21,296
Annual Plant Tests, Inspections & Analysis	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$539,500</b>	<b>84.5%</b>	<b>\$455,688</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$500,000	90.0%	\$450,000
Maintenance Contract Services	\$150,000	90.0%	\$135,000
Chemicals & Materials Consumed	\$10,000	90.0%	\$9,000
Rented Equipment	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$685,000</b>	<b>90.0%</b>	<b>\$616,500</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$200,000	90.0%	\$180,000
Lubricants	\$10,000	90.0%	\$9,000
Water (Not for Power Generation)	\$10,000	50.0%	\$5,000
Gas (Not for Power Generation)	\$25,000	50.0%	\$12,500
Electric (Not for Power Generation)	\$500,000	50.0%	\$250,000
Waste Water Treatment	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$795,000</b>	<b>63.1%</b>	<b>\$501,500</b>
Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$1,800,000	60.0%	\$1,080,000
Permits and Licensing Fees	\$100,000	75.0%	\$75,000
Site Security and Utilities	\$100,000	25.0%	\$25,000
Annual Property Tax Payment	\$500,000	0.0%	\$0
<b>Total</b>	<b>\$2,500,000</b>	<b>47.2%</b>	<b>\$1,180,000</b>
Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$3,000,000	0.0%	\$0
Fuel Inventory	\$0	10.0%	\$0
Other Inventory	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$3,025,000</b>	<b>0.7%</b>	<b>\$22,500</b>
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$211,750	0.7%	\$1,575
Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$25,000	90.0%	\$22,500
Environmental Reporting	\$25,000	75.0%	\$18,750
Procurement Expenses	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$75,000</b>	<b>85.0%</b>	<b>\$63,750</b>
Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$31,250	100.0%	\$31,250

Section 11A - Project Investment - PI		
Equipment Cost		\$150,000
Installation Cost		\$50,000
Interconnection Costs		\$0
Equipment Spares		\$5,000
Mobilization and Startup		\$10,000
Land Purchases		\$0
Development Expenses		\$20,000
Legal Fees		\$5,000
Air, EIS, Land Use & FERC Permits		\$5,000
Interest During Construction		\$5,000
Owners Contingency		\$0
<b>Total Project Investment</b>		<b>\$250,000</b>
Age of Plant		4
Remaining Life of Plant		20
Entitled Plant CRF		0.125
<b>Project Investment Recovery Rate</b>		<b>\$31,250</b>
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	0.0
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	25,750
Gallons In Inventory	0
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	145.23
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - COMBINED CYCLE SUB CATEGORY - TWO ON ONE FRAME F TECHNOLOGY

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	0%
99	Benefits Percent of Base (%)	35.0%

Operating Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense				
	Onsite	Offsite	On & Offsite		Total											
103	<b>Section 5 - Administrative Expense (AAE)</b>															
104	Plant Manager	1	0	1			\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$168,750				
105	Operations Manager	0	0	0			\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$0				
106	Maintenance Manager	0	0	0			\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0				
107	Technical Manager	0	0	0			\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0				
108	Plant-Environmental-Design Engineer	0	0	0			\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
109	ND Testing-Balancing-Chemist-Inspection	0	0	0			\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
110	Plant Engineer/Environmental	1	0	1			\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$81,000				
111	Accounting/Purchasing	1	0	1			\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$60,750				
112	Secretary/Administration	1	0	1			\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000				
113	Total Administrative			4								\$364,500				
114																
115	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense
116	<b>Section 4 - AOML Operations</b>															
117	Shift Supervisor	1	0	1			\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
118	Lead Operator	1	1	1	1		\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680
119	Auxiliary Operator	2	2	2	2		\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$686,400
120	Plant Mechanic	0	0	0			\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0
121	Fuel Handling	0	0	0			\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
122	Total Operations			12												\$1,042,080
123	<b>Section 4 - AOML Maintenance</b>															
124	Foreman	0	0	0			\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0
125	Millwright	1	0	1			\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
126	Pipe fitters	0	0	0			\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
127	Boilermaker	0	0	0			\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
128	Laborer	0	0	0			\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0
129	Electrician/I&C	3	0	3			\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$280,800
130	Total Maintenance			4												\$358,800
131	Total			20												\$1,765,380

Non-Avoidable Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense				
	Onsite	Offsite	On & Offsite		Total											
136	<b>Section 5 - Administrative Expense (AAE)</b>															
137	Plant Manager	0	0	0			\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$0				
138	Operations Manager	0	0	0			\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$0				
139	Maintenance Manager	0	0	0			\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0				
140	Technical Manager	0	0	0			\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0				
141	Plant-Environmental-Design Engineer	0	0	0			\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
142	ND Testing-Balancing-Chemist-Inspection	0	0	0			\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
143	Plant Engineer/Environmental	0	0	0			\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
144	Accounting/Purchasing	0	0	0			\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0				
145	Secretary/Administration	1	0	1			\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000				
146	Total Administrative			1								\$54,000				
147																
148	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense
149	<b>Section 4 - AOML Operations</b>															
150	Shift Supervisor	0	0	0			\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
151	Lead Operator	0	0	0	0		\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0
152	Auxiliary Operator	1	1	0	0		\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$171,600
153	Plant Mechanic	0	0	0			\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0
154	Fuel Handling	0	0	0			\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
155	Total Operations			2												\$171,600
156	<b>Section 4 - AOML Maintenance</b>															
157	Foreman	0	0	0			\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0
158	Millwright	1	0	1			\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
159	Pipe fitters	0	0	0			\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
160	Boilermaker	0	0	0			\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
161	Laborer	0	0	0			\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0
162	Electrician/I&C	0	0	0			\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0
163	Total Maintenance			1												\$78,000
164	Total			4												\$303,600

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
 2 CATEGORY - COMBINED CYCLE  
 3 SUB CATEGORY - THREE ON ONE FRAME E TECHNOLOGY  
 4 11/22/06 2:09 PM

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology		2
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date	November 22, 2006	
LDA	NA	
ORG_ID	Participant	
Unit ID	PJM Input	
Plant Commercial Operation Year	2003	
Capacity Planning Year (Start June 1 to Finish May 31)	2007	
Age of Plant	4	
Net Plant Heat Rate (BTU/kWh) (HHV)	8,200	
Current Plant Value (\$Million)	\$275.00	
Plant Value (\$/kW)	\$504.59	
ICAP (MW)	545.0	
EFORD	0.00	
UCAP (MW)	545.0	
ACR ICAP Based	\$25.98	
ACR UCAP Based	\$25.98	

Section 3A - Simple Cycle CT, Diesel or Combined Cycle Technical Information	
Primary Fuel	Gas
Back Up Fuel	No. 2 Oil
On Site Natural Gas Compression	Yes
CT or Diesel OEM	Siemens
CT or Diesel Model	V84.2
CT or Diesel Rating at ISO (MW)	105.0
Number of CT or Diesel Units	3
STG OEM	GE
STG Capacity (MW)	250.0
Number of STG	1
Per HRSG Duct Burner Capacity (MMBTU/Hr) (HHV)	None
CT/Diesel Nox Control Type	Dry Low Nox
CT/Diesel Exhaust Nox Control	SCR
HRSG HP Pressure/Temperature	2,000/1,000
HRSG Reheat Pressure/Temperature	600/1,000
Average Steam Export Flow to Host (Lbs/Hr)	NA
Average Electric Export Flow to Host (MW)	NA
Condenser Cooling System	Wet Cooling Tower
Turbine Inlet Air Cooling Technology (TIC)	Evaporative
Target Inlet Temperature if Mechanical TIC	NA

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$25.98	1.10	\$8.29	\$3.78	\$3.82	\$2.75	\$4.37	\$0.11	\$0.32	\$0.19

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$1,984,320	\$3,641	\$9.98	\$335,400	83.1%	\$1,648,920	\$3,026	\$8.29
Administrative Expenses (AAE)	\$898,250	\$1,648	\$4.52	\$145,414	83.8%	\$752,836	\$1,381	\$3.78
Maintenance Expenses (AME)	\$845,000	\$1,550	\$4.25	\$84,500	90.0%	\$760,500	\$1,395	\$3.82
Variable Expenses (AVE)	\$845,000	\$1,550	\$4.25	\$298,500	64.7%	\$546,500	\$1,003	\$2.75
Taxes Fees and Insurance (ATFI)	\$1,975,000	\$3,624	\$9.93	\$1,106,250	44.0%	\$868,750	\$1,594	\$4.37
Carrying Charges (ACC)	\$337,321	\$619	\$1.70	\$314,789	6.7%	\$22,532	\$41	\$0.11
Corporate Level Expenses (ACLE)	\$75,000	\$138	\$0.38	\$11,250	85.0%	\$63,750	\$117	\$0.32
Project Investment Recovery Rate (APIR)	\$37,500	\$69	\$0.19	\$0	100.0%	\$37,500	\$69	\$0.19
<b>Total</b>	<b>\$6,997,391</b>	<b>\$12,839</b>	<b>\$35.18</b>	<b>\$2,296,104</b>	<b>67.2%</b>	<b>\$4,701,288</b>	<b>\$8,626</b>	<b>\$23.63</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$1,984,320	83.1%	\$1,648,920
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$668,250	83.8%	\$560,250
Employee Expenses	\$30,000	83.1%	\$24,929
Environmental Fees	\$50,000	75.0%	\$37,500
Safety & Operator Training	\$30,000	83.1%	\$24,929
Office Supplies	\$15,000	83.8%	\$12,576
Communications	\$30,000	83.8%	\$25,152
Annual Plant Tests, Inspections & Analysis	\$75,000	90.0%	\$67,500
<b>Total</b>	<b>\$898,250</b>	<b>83.8%</b>	<b>\$752,836</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$600,000	90.0%	\$540,000
Maintenance Contract Services	\$200,000	90.0%	\$180,000
Chemicals & Materials Consumed	\$15,000	90.0%	\$13,500
Rented Equipment	\$30,000	90.0%	\$27,000
<b>Total</b>	<b>\$845,000</b>	<b>90.0%</b>	<b>\$760,500</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$250,000	90.0%	\$225,000
Lubricants	\$10,000	90.0%	\$9,000
Water (Not for Power Generation)	\$10,000	50.0%	\$5,000
Gas (Not for Power Generation)	\$25,000	50.0%	\$12,500
Electric (Not for Power Generation)	\$500,000	50.0%	\$250,000
Waste Water Treatment	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$845,000</b>	<b>64.7%</b>	<b>\$546,500</b>
Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$1,250,000	60.0%	\$750,000
Permits and Licensing Fees	\$125,000	75.0%	\$93,750
Site Security and Utilities	\$100,000	25.0%	\$25,000
Annual Property Tax Payment	\$500,000	0.0%	\$0
<b>Total</b>	<b>\$1,975,000</b>	<b>44.0%</b>	<b>\$868,750</b>
Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$2,000,000	0.0%	\$0
Fuel Inventory	\$2,768,878	10.0%	\$276,888
Other Inventory	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$4,818,878</b>	<b>6.7%</b>	<b>\$321,888</b>
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$337,321	6.7%	\$22,532
Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$25,000	90.0%	\$22,500
Environmental Reporting	\$25,000	75.0%	\$18,750
Procurement Expenses	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$75,000</b>	<b>85.0%</b>	<b>\$63,750</b>
Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$37,500	100.0%	\$37,500

Section 11A - Project Investment - PI		
Equipment Cost		\$300,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
<b>Total Project Investment</b>		<b>\$300,000</b>
Age of Plant		4
Remaining Life of Plant		20
Entitled Plant CRF		0.125
<b>Project Investment Recovery Rate</b>		<b>\$37,500</b>
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	2.0
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	31,695
Gallons In Inventory	1,521,362
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	178.76
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - COMBINED CYCLE SUB CATEGORY - THREE ON ONE FRAME E TECHNOLOGY

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	0%
99	Benefits Percent of Base (%)	35.0%

Operating Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense				
	Onsite	Offsite	On & Offsite		Total											
103	<b>Section 5 - Administrative Expense (AAE)</b>															
104	Plant Manager	1	0	1			\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$168,750				
105	Operations Manager	1	0	1			\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$108,000				
106	Maintenance Manager	1	0	1			\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$101,250				
107	Technical Manager	1	0	1			\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$94,500				
108	Plant-Environmental-Design Engineer	0	0	0			\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
109	ND Testing-Balancing-Chemist-Inspection	0	0	0			\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
110	Plant Engineer/Environmental	1	0	1			\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$81,000				
111	Accounting/Purchasing	1	0	1			\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$60,750				
112	Secretary/Administration	1	0	1			\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000				
113	Total Administrative		0	7								\$668,250				
114																
115	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Labor w Benefits	Total Expense	
116	<b>Section 4 - AOML Operations</b>															
117	Shift Supervisor	1	0	1			\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
118	Lead Operator	1	1	1	1	4	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680
119	Auxiliary Operator	2	2	2	2	8	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$686,400
120	Plant Mechanic	1	1	1	1	4	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$274,560
121	Fuel Handling	0	0	0		0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
122	Total Operations					16										\$1,316,640
123	<b>Section 4 - AOML Maintenance</b>															
124	Foreman	1	0	1			\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$96,720
125	Millwright	1	0	1			\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
126	Pipe fitters	1	0	1			\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
127	Boilermaker	1	0	1			\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
128	Laborer	1	0	1			\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$56,160
129	Electrician/I&C	3	0	3			\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$280,800
130	Total Maintenance					8										\$667,680
131	Total					31										\$2,652,570

Non-Avoidable Onsite & Offsite Plant Work Force													Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense
	Onsite	Offsite	On & Offsite		Total													
136	<b>Section 5 - Administrative Expense (AAE)</b>																	
137	Plant Manager	0	0	0			\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$0						
138	Operations Manager	0.5	0	0.5		1	\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$54,000						
139	Maintenance Manager	0	0	0		0	\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0						
140	Technical Manager	0	0	0		0	\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0						
141	Plant-Environmental-Design Engineer	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
142	ND Testing-Balancing-Chemist-Inspection	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
143	Plant Engineer/Environmental	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
144	Accounting/Purchasing	0	0	0		0	\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0						
145	Secretary/Administration	1	0	1		1	\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000						
146	Total Administrative				2							\$108,000						
147																		
148	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Labor w Benefits	Total Expense			
149	<b>Section 4 - AOML Operations</b>																	
150	Shift Supervisor	0	0	0		0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0		
151	Lead Operator	0	0	0	0	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0		
152	Auxiliary Operator	1	1	1	0	3	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$257,400		
153	Plant Mechanic	0	0	0		0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0		
154	Fuel Handling	0	0	0		0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0		
155	Total Operations					3										\$257,400		
156	<b>Section 4 - AOML Maintenance</b>																	
157	Foreman	0	0	0		0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0		
158	Millwright	1	0	1		1	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000		
159	Pipe fitters	0	0	0		0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0		
160	Boilermaker	0	0	0		0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0		
161	Laborer	0	0	0		0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0		
162	Electrician/I&C	0	0	0		0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0		
163	Total Maintenance					1										\$78,000		
164	Total					6										\$443,400		

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
2 CATEGORY - COMBINED CYCLE  
3 SUB CATEGORY - THREE OR MORE ON ONE OR MORE FRAME F TECHNOLOGY  
4 11/22/06 2:09 PM

**Instructions to Participant**  
Participant to complete all cells in blue text.  
Cells in black text are calculated values

Section 1 - Power Plant Technology		2
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date	November 22, 2006	
LDA	NA	
ORG_ID	Participant	
Unit ID	PJM Input	
Plant Commercial Operation Year	2003	
Capacity Planning Year (Start June 1 to Finish May 31)	2007	
Age of Plant	4	
Net Plant Heat Rate (BTU/kWh) (HHV)	7,050	
Current Plant Value (\$Million)	\$500.00	
Plant Value (\$/kW)	\$564.97	
ICAP (MW)	885.0	
EFORD	0.00	
UCAP (MW)	885.0	
ACR ICAP Based	\$20.25	
ACR UCAP Based	\$20.25	

Section 3A - Simple Cycle CT, Diesel or Combined Cycle Technical Information	
Primary Fuel	Gas
Back Up Fuel	None
On Site Natural Gas Compression	No
CT or Diesel OEM	GE
CT or Diesel Model	PG7241FA
CT or Diesel Rating at ISO (MW)	171.7
Number of CT or Diesel Units	3
STG OEM	GE
STG Capacity (MW)	390.0
Number of STG	1
Per HRSG Duct Burner Capacity (MMBTU/Hr) (HHV)	30.0
CT/Diesel Nox Control Type	Dry Low Nox
CT/Diesel Exhaust Nox Control	SCR
HRSG HP Pressure/Temperature	2,000/1,000
HRSG Reheat Pressure/Temperature	600/1,000
Average Steam Export Flow to Host (Lbs/Hr)	NA
Average Electric Export Flow to Host (MW)	NA
Condenser Cooling System	Wet Cooling Tower
Turbine Inlet Air Cooling Technology (TIC)	Evaporative
Target Inlet Temperature if Mechanical TIC	NA

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)										
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]	
\$20.25	1.10	\$5.10	\$2.33	\$3.06	\$2.08	\$5.48	\$0.01	\$0.24	\$0.12	

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$1,984,320	\$2,242	\$6.14	\$335,400	83.1%	\$1,648,920	\$1,863	\$5.10
Administrative Expenses (AAE)	\$898,250	\$1,015	\$2.78	\$145,414	83.8%	\$752,836	\$851	\$2.33
Maintenance Expenses (AME)	\$1,100,000	\$1,243	\$3.41	\$110,000	90.0%	\$990,000	\$1,119	\$3.06
Variable Expenses (AVE)	\$1,035,000	\$1,169	\$3.20	\$361,500	65.1%	\$673,500	\$761	\$2.08
Taxes Fees and Insurance (ATFI)	\$3,725,000	\$4,209	\$11.53	\$1,956,250	47.5%	\$1,768,750	\$1,999	\$5.48
Carrying Charges (ACC)	\$213,500	\$241	\$0.66	\$210,350	1.5%	\$3,150	\$4	\$0.01
Corporate Level Expenses (ACLE)	\$90,000	\$102	\$0.28	\$13,500	85.0%	\$76,500	\$86	\$0.24
Project Investment Recovery Rate (APIR)	\$37,500	\$42	\$0.12	\$0	100.0%	\$37,500	\$42	\$0.12
<b>Total</b>	<b>\$9,083,570</b>	<b>\$10,264</b>	<b>\$28.12</b>	<b>\$3,132,414</b>	<b>65.5%</b>	<b>\$5,951,156</b>	<b>\$6,724</b>	<b>\$18.42</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$1,984,320	83.1%	\$1,648,920
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$668,250	83.8%	\$560,250
Employee Expenses	\$30,000	83.1%	\$24,929
Environmental Fees	\$50,000	75.0%	\$37,500
Safety & Operator Training	\$30,000	83.1%	\$24,929
Office Supplies	\$15,000	83.8%	\$12,576
Communications	\$30,000	83.8%	\$25,152
Annual Plant Tests, Inspections & Analysis	\$75,000	90.0%	\$67,500
<b>Total</b>	<b>\$898,250</b>	<b>83.8%</b>	<b>\$752,836</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$750,000	90.0%	\$675,000
Maintenance Contract Services	\$300,000	90.0%	\$270,000
Chemicals & Materials Consumed	\$15,000	90.0%	\$13,500
Rented Equipment	\$35,000	90.0%	\$31,500
<b>Total</b>	<b>\$1,100,000</b>	<b>90.0%</b>	<b>\$990,000</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$300,000	90.0%	\$270,000
Lubricants	\$15,000	90.0%	\$13,500
Water (Not for Power Generation)	\$15,000	50.0%	\$7,500
Gas (Not for Power Generation)	\$30,000	50.0%	\$15,000
Electric (Not for Power Generation)	\$600,000	50.0%	\$300,000
Waste Water Treatment	\$75,000	90.0%	\$67,500
<b>Total</b>	<b>\$1,035,000</b>	<b>65.1%</b>	<b>\$673,500</b>
Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$2,750,000	60.0%	\$1,650,000
Permits and Licensing Fees	\$125,000	75.0%	\$93,750
Site Security and Utilities	\$100,000	25.0%	\$25,000
Annual Property Tax Payment	\$750,000	0.0%	\$0
<b>Total</b>	<b>\$3,725,000</b>	<b>47.5%</b>	<b>\$1,768,750</b>
Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$3,000,000	0.0%	\$0
Fuel Inventory	\$0	10.0%	\$0
Other Inventory	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$3,050,000</b>	<b>1.5%</b>	<b>\$45,000</b>
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$213,500	1.5%	\$3,150
Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$30,000	90.0%	\$27,000
Environmental Reporting	\$30,000	75.0%	\$22,500
Procurement Expenses	\$30,000	90.0%	\$27,000
<b>Total</b>	<b>\$90,000</b>	<b>85.0%</b>	<b>\$76,500</b>
Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$37,500	100.0%	\$37,500

Section 11A - Project Investment - PI		
Equipment Cost		\$300,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
<b>Total Project Investment</b>		<b>\$300,000</b>
Age of Plant		4
Remaining Life of Plant		20
Entitled Plant CRF		0.125
<b>Project Investment Recovery Rate</b>		<b>\$37,500</b>
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	0.0
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	44,250
Gallons In Inventory	0
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	249.57
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - COMBINED CYCLE SUB CATEGORY - THREE OR MORE ON ONE OR MORE FRAME F TECHNOLOGY

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	0%
99	Benefits Percent of Base (%)	35.0%

Operating Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense				
	Onsite	Offsite	On & Offsite		Total											
103	<b>Section 5 - Administrative Expense (AAE)</b>															
104	Plant Manager	1	0	1			\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$168,750				
105	Operations Manager	1	0	1			\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$108,000				
106	Maintenance Manager	1	0	1			\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$101,250				
107	Technical Manager	1	0	1			\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$94,500				
108	Plant-Environmental-Design Engineer	0	0	0			\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
109	ND Testing-Balancing-Chemist-Inspection	0	0	0			\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
110	Plant Engineer/Environmental	1	0	1			\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$81,000				
111	Accounting/Purchasing	1	0	1			\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$60,750				
112	Secretary/Administration	1	0	1			\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000				
113	Total Administrative		0	7								\$668,250				
114																
115	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense
116	<b>Section 4 - AOML Operations</b>															
117	Shift Supervisor	1	0	1			\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
118	Lead Operator	1	1	1	1	4	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680
119	Auxiliary Operator	2	2	2	2	8	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$686,400
120	Plant Mechanic	1	1	1	1	4	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$274,560
121	Fuel Handling	0	0	0		0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
122	Total Operations					16										\$1,316,640
123	<b>Section 4 - AOML Maintenance</b>															
124	Foreman	1	0	1			\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$96,720
125	Millwright	1	0	1			\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
126	Pipe fitters	1	0	1			\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
127	Boilermaker	1	0	1			\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
128	Laborer	1	0	1			\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$56,160
129	Electrician/I&C	3	0	3			\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$280,800
130	Total Maintenance					8										\$667,680
131	Total					31										\$2,652,570

Non-Avoidable Onsite & Offsite Plant Work Force													Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense
	Onsite	Offsite	On & Offsite		Total													
136	<b>Section 5 - Administrative Expense (AAE)</b>																	
137	Plant Manager	0	0	0			\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$0						
138	Operations Manager	0.5	0	0.5		1	\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$54,000						
139	Maintenance Manager	0	0	0		0	\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0						
140	Technical Manager	0	0	0		0	\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0						
141	Plant-Environmental-Design Engineer	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
142	ND Testing-Balancing-Chemist-Inspection	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
143	Plant Engineer/Environmental	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0						
144	Accounting/Purchasing	0	0	0		0	\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0						
145	Secretary/Administration	1	0	1		1	\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000						
146	Total Administrative				2							\$108,000						
147																		
148	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense		
149	<b>Section 4 - AOML Operations</b>																	
150	Shift Supervisor	0	0	0		0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0		
151	Lead Operator	0	0	0	0	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0		
152	Auxiliary Operator	1	1	1	0	3	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$257,400		
153	Plant Mechanic	0	0	0		0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0		
154	Fuel Handling	0	0	0		0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0		
155	Total Operations					3										\$257,400		
156	<b>Section 4 - AOML Maintenance</b>																	
157	Foreman	0	0	0		0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0		
158	Millwright	1	0	1		1	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000		
159	Pipe fitters	0	0	0		0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0		
160	Boilermaker	0	0	0		0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0		
161	Laborer	0	0	0		0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0		
162	Electrician/I&C	0	0	0		0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0		
163	Total Maintenance					1										\$78,000		
164	Total					6										\$443,400		

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
2 CATEGORY - COMBINED CYCLE  
3 SUB CATEGORY - NUG COGENERATION FRAME B OR E TECHNOLOGY  
4 11/22/06 2:09 PM

**Instructions to Participant**  
Participant to complete all cells in blue text.  
Cells in black text are calculated values

Section 1 - Power Plant Technology		2
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date	November 22, 2006	
LDA	NA	
ORG_ID	Participant	
Unit ID	PJM Input	
Plant Commercial Operation Year	1989	
Capacity Planning Year (Start June 1 to Finish May 31)	2007	
Age of Plant	18	
Net Plant Heat Rate (BTU/kWh) (HHV)	8,500	
Current Plant Value (\$Million)	\$125.00	
Plant Value (\$/kW)	\$1,000.00	
ICAP (MW)	125.0	
EFORD	0.00	
UCAP (MW)	125.0	
ACR ICAP Based	\$86.97	
ACR UCAP Based	\$86.97	

Section 3A - Simple Cycle CT, Diesel or Combined Cycle Technical Information	
Primary Fuel	Gas
Back Up Fuel	No. 2 Oil
On Site Natural Gas Compression	Yes
CT or Diesel OEM	GE
CT or Diesel Model	PG7121EA
CT or Diesel Rating at ISO (MW)	80.0
Number of CT or Diesel Units	1
STG OEM	GE
STG Capacity (MW)	45.0
Number of STG	1
Per HRSG Duct Burner Capacity (MMBTU/Hr) (HHV)	30.0
CT/Diesel Nox Control Type	Dry Low Nox
CT/Diesel Exhaust Nox Control	SCR
HRSG HP Pressure/Temperature	750/750
HRSG Reheat Pressure/Temperature	NA
Average Steam Export Flow to Host (Lbs/Hr)	NA
Average Electric Export Flow to Host (MW)	NA
Condenser Cooling System	Wet Cooling Tower
Turbine Inlet Air Cooling Technology (TIC)	None
Target Inlet Temperature if Mechanical TIC	NA

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$86.97	1.10	\$25.44	\$7.13	\$25.35	\$6.12	\$12.05	\$0.14	\$1.40	\$1.59

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$1,581,840	\$12,655	\$34.67	\$421,200	73.4%	\$1,160,640	\$9,285	\$25.44
Administrative Expenses (AAE)	\$529,500	\$4,236	\$11.61	\$204,341	61.4%	\$325,159	\$2,601	\$7.13
Maintenance Expenses (AME)	\$1,285,000	\$10,280	\$28.16	\$128,500	90.0%	\$1,156,500	\$9,252	\$25.35
Variable Expenses (AVE)	\$470,000	\$3,760	\$10.30	\$191,000	59.4%	\$279,000	\$2,232	\$6.12
Taxes Fees and Insurance (ATFI)	\$1,200,000	\$9,600	\$26.30	\$650,000	45.8%	\$550,000	\$4,400	\$12.05
Carrying Charges (ACC)	\$117,831	\$943	\$2.58	\$111,648	5.2%	\$6,183	\$49	\$0.14
Corporate Level Expenses (ACLE)	\$75,000	\$600	\$1.64	\$11,250	85.0%	\$63,750	\$510	\$1.40
Project Investment Recovery Rate (APIR)	\$72,600	\$581	\$1.59	\$0	100.0%	\$72,600	\$581	\$1.59
<b>Total</b>	<b>\$5,331,771</b>	<b>\$42,654</b>	<b>\$116.86</b>	<b>\$1,717,939</b>	<b>67.8%</b>	<b>\$3,613,832</b>	<b>\$28,911</b>	<b>\$79.21</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$1,581,840	73.4%	\$1,160,640
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$364,500	55.6%	\$202,500
Employee Expenses	\$25,000	73.4%	\$18,343
Environmental Fees	\$25,000	75.0%	\$18,750
Safety & Operator Training	\$25,000	73.4%	\$18,343
Office Supplies	\$15,000	55.6%	\$8,333
Communications	\$25,000	55.6%	\$13,889
Annual Plant Tests, Inspections & Analysis	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$529,500</b>	<b>61.4%</b>	<b>\$325,159</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$750,000	90.0%	\$675,000
Maintenance Contract Services	\$500,000	90.0%	\$450,000
Chemicals & Materials Consumed	\$10,000	90.0%	\$9,000
Rented Equipment	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$1,285,000</b>	<b>90.0%</b>	<b>\$1,156,500</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$300,000	60.0%	\$180,000
Lubricants	\$10,000	90.0%	\$9,000
Water (Not for Power Generation)	\$10,000	50.0%	\$5,000
Gas (Not for Power Generation)	\$25,000	50.0%	\$12,500
Electric (Not for Power Generation)	\$100,000	50.0%	\$50,000
Waste Water Treatment	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$470,000</b>	<b>59.4%</b>	<b>\$279,000</b>
Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$750,000	60.0%	\$450,000
Permits and Licensing Fees	\$100,000	75.0%	\$75,000
Site Security and Utilities	\$100,000	25.0%	\$25,000
Annual Property Tax Payment	\$250,000	0.0%	\$0
<b>Total</b>	<b>\$1,200,000</b>	<b>45.8%</b>	<b>\$550,000</b>
Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$1,000,000	0.0%	\$0
Fuel Inventory	\$658,298	10.0%	\$65,830
Other Inventory	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$1,683,298</b>	<b>5.2%</b>	<b>\$88,330</b>
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$117,831	5.2%	\$6,183
Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$25,000	90.0%	\$22,500
Environmental Reporting	\$25,000	75.0%	\$18,750
Procurement Expenses	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$75,000</b>	<b>85.0%</b>	<b>\$63,750</b>
Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$72,600	100.0%	\$72,600

Section 11A - Project Investment - PI		
Equipment Cost		\$200,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
<b>Total Project Investment</b>		<b>\$200,000</b>
Age of Plant		18
Remaining Life of Plant		5
Entitled Plant CRF		0.363
<b>Project Investment Recovery Rate</b>		<b>\$72,600</b>
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	2.0
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	7,535
Gallons In Inventory	361,702
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	42.50
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - COMBINED CYCLE SUB CATEGORY - NUG COGENERATION FRAME B OR E TECHNOLOGY

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	0%
99	Benefits Percent of Base (%)	35.0%

Operating Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense			
	Onsite	Offsite	On & Offsite		Total										
103	<b>Section 5 - Administrative Expense (AAE)</b>														
104	1	0	1		1	\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$168,750				
105	0	0	0		0	\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$0				
106	0	0	0		0	\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0				
107	0	0	0		0	\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0				
108	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
109	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
110	1	0	1		1	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$81,000				
111	1	0	1		1	\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$60,750				
112	1	0	1		1	\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000				
113	Total Administrative					0	4					\$364,500			
114															
115	Shift Number	1	2	3	4	Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense
116	<b>Section 4 - AOML Operations</b>														
117	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite									
117	1	0	0		0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
118	1	1	1	1	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680
119	2	2	2	2	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$686,400
120	1	1	1	1	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$274,560
121	0	0	0		0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
122	Total Operations					0	16								\$1,316,640
123	<b>Section 4 - AOML Maintenance</b>														
124	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite									
124	0	0	0		0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0
125	1	0	0		1	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
126	0	0	0		0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
127	0	0	0		0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
128	0	0	0		0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0
129	2	0	2		2	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$187,200
130	Total Maintenance					0	3								\$265,200
131	Total					0	23								\$1,946,340

Non-Avoidable Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense			
	Onsite	Offsite	On & Offsite		Total										
136	<b>Section 5 - Administrative Expense (AAE)</b>														
137	0	0	0		0	\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$0				
138	1.0	0	1		1	\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$108,000				
139	0	0	0		0	\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0				
140	0	0	0		0	\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0				
141	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
142	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
143	0	0	0		0	\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0				
144	0	0	0		0	\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0				
145	1	0	1		1	\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000				
146	Total Administrative					0	2					\$162,000			
147															
148	Shift Number	1	2	3	4	Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense
149	<b>Section 4 - AOML Operations</b>														
150	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite									
150	0	0	0		0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
151	0	0	0		0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0
152	1	1	1	1	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$343,200
153	0	0	0		0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0
154	0	0	0		0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
155	Total Operations					0	4								\$343,200
156	<b>Section 4 - AOML Maintenance</b>														
157	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite									
157	0	0	0		0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0
158	1	0	0		1	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
159	0	0	0		0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
160	0	0	0		0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
161	0	0	0		0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$0
162	0	0	0		0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0
163	Total Maintenance					0	1								\$78,000
164	Total					0	7								\$583,200

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
2 CATEGORY - OIL AND GAS STEAM  
3 ONE OR MORE UNITS AT ONE SITE  
4 11/22/06 2:09 PM

**Instructions to Participant**  
Participant to complete all cells in blue text.  
Cells in black text are calculated values

Section 1 - Power Plant Technology		3
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date	November 22, 2006	
LDA	NA	
ORG_ID	Participant	
Unit ID	PJM Input	
Plant Commercial Operation Year	1955	
Capacity Planning Year (Start June 1 to Finish May 31)	2007	
Age of Plant	52	
Net Plant Heat Rate (BTU/kWh) (HHV)	14,500	
Current Plant Value (\$Million)	\$75.00	
Plant Value (\$/kW)	\$300.00	
ICAP (MW)	250.0	
EFORd	0.00	
UCAP (MW)	250.0	
ACR ICAP Based	\$49.35	
ACR UCAP Based	\$49.35	

Section 3B - Boiler - Steam Turbine Plant Technical Information	
Primary Fuel	No. 6 Oil
Back Up Fuel	Gas
Boiler OEM	Foster Wheeler
Boiler Design Configuration	Front Wall Fired
Boiler HP Steam Rating (Lbs/Hr)	1,000,000
Number of Boilers	2
Boiler HP Pressure/Temperature	1,800/950
Boiler Reheat Pressure/Temperature	NA
Fuel Input at Rated Capacity (MMBTU/Hr) (HHV)	3,625.0
STG OEM	GE
STG Capacity (MW)	125.0
STG Water Rate (Lbs/kWh)	8,000
Primary Boiler Nox Control	Low Nox Burners
Secondary Boiler Nox Control	Overfire Air
Primary Particulate Control	Cyclones
Secondary Particulate Control	ESP
Tertiary Particulate Control	None
SO2 Control	None
Number of STG	2
Condenser Cooling System	Wet Cooling Tower

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$49.35	1.10	\$18.36	\$6.16	\$10.26	\$4.45	\$2.79	\$1.55	\$0.56	\$0.80

Section 12 - Summary (ICAP Basis)								
Fixed Operating Expenses	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Operations and Maintenance Labor (AOML)	\$2,221,440	\$8,886	\$24.34	\$546,000	75.4%	\$1,675,440	\$6,702	\$18.36
Administrative Expenses (AAE)	\$702,500	\$2,810	\$7.70	\$140,095	80.1%	\$562,405	\$2,250	\$6.16
Maintenance Expenses (AME)	\$1,040,000	\$4,160	\$11.40	\$104,000	90.0%	\$936,000	\$3,744	\$10.26
Variable Expenses (AVE)	\$560,000	\$2,240	\$6.14	\$154,000	72.5%	\$406,000	\$1,624	\$4.45
Taxes Fees and Insurance (ATFI)	\$600,000	\$2,400	\$6.58	\$345,000	42.5%	\$255,000	\$1,020	\$2.79
Carrying Charges (ACC)	\$225,690	\$903	\$2.47	\$83,985	62.8%	\$141,705	\$567	\$1.55
Corporate Level Expenses (ACLE)	\$60,000	\$240	\$0.66	\$9,000	85.0%	\$51,000	\$204	\$0.56
Project Investment Recovery Rate (APIR)	\$72,600	\$290	\$0.80	\$0	100.0%	\$72,600	\$290	\$0.80
<b>Total</b>	<b>\$5,482,230</b>	<b>\$21,929</b>	<b>\$60.08</b>	<b>\$1,382,080</b>	<b>74.8%</b>	<b>\$4,100,150</b>	<b>\$16,401</b>	<b>\$44.93</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$2,221,440	75.4%	\$1,675,440
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$472,500	79.6%	\$376,313
Employee Expenses	\$30,000	75.4%	\$22,626
Environmental Fees	\$50,000	75.0%	\$37,500
Safety & Operator Training	\$30,000	75.4%	\$22,626
Office Supplies	\$15,000	79.6%	\$11,946
Communications	\$30,000	79.6%	\$23,893
Annual Plant Tests, Inspections & Analysis	\$75,000	90.0%	\$67,500
<b>Total</b>	<b>\$702,500</b>	<b>80.1%</b>	<b>\$562,405</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$750,000	90.0%	\$675,000
Maintenance Contract Services	\$250,000	90.0%	\$225,000
Chemicals & Materials Consumed	\$15,000	90.0%	\$13,500
Rented Equipment	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$1,040,000</b>	<b>90.0%</b>	<b>\$936,000</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$225,000	90.0%	\$202,500
Lubricants	\$15,000	90.0%	\$13,500
Water (Not for Power Generation)	\$15,000	50.0%	\$7,500
Gas (Not for Power Generation)	\$30,000	50.0%	\$15,000
Electric (Not for Power Generation)	\$200,000	50.0%	\$100,000
Waste Water Treatment	\$75,000	90.0%	\$67,500
<b>Total</b>	<b>\$560,000</b>	<b>72.5%</b>	<b>\$406,000</b>
Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$300,000	60.0%	\$180,000
Permits and Licensing Fees	\$75,000	75.0%	\$56,250
Site Security and Utilities	\$75,000	25.0%	\$18,750
Annual Property Tax Payment	\$150,000	0.0%	\$0
<b>Total</b>	<b>\$600,000</b>	<b>42.5%</b>	<b>\$255,000</b>
Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$500,000	0.0%	\$0
Fuel Inventory	\$2,459,200	75.0%	\$1,844,400
Other Inventory	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$3,009,200</b>	<b>62.8%</b>	<b>\$1,889,400</b>
Carrying Cost Rate (%)	7.5%		
Carrying Cost	\$225,690	62.8%	\$141,705
Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$20,000	90.0%	\$18,000
Environmental Reporting	\$20,000	75.0%	\$15,000
Procurement Expenses	\$20,000	90.0%	\$18,000
<b>Total</b>	<b>\$60,000</b>	<b>85.0%</b>	<b>\$51,000</b>
Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$72,600	100.0%	\$72,600

Section 11A - Project Investment - PI		
Equipment Cost		\$200,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
<b>Total Project Investment</b>		<b>\$200,000</b>
Age of Plant		52
Remaining Life of Plant		5
Entitled Plant CRF		0.363
<b>Project Investment Recovery Rate</b>		<b>\$72,600</b>
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	4.0
Oil Heating Value (BTU/Gallon)	150,000
Burn Rate (Gallons/Hr)	24,167
Gallons in Inventory	2,320,000
Oil Price (\$/Gallon) (Delivered)	\$1.06
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	145.00
Tons in Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - OIL AND GAS STEAM ONE OR MORE UNITS AT ONE SITE

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	0%
99	Benefits Percent of Base (%)	35.0%

Operating Onsite & Offsite Plant Work Force										Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense					
Section 5 - Administrative Expense (AAE)						Onsite	Offsite	On & Offsite												
104	Plant Manager	1				0		1		\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$168,750					
105	Operations Manager	1				0		1		\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$108,000					
106	Maintenance Manager	0				0		0		\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0					
107	Technical Manager	0				0		0		\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0					
108	Plant-Environmental-Design Engineer	0				0		0		\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0					
109	ND Testing-Balancing-Chemist-Inspection	0				0		0		\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0					
110	Plant Engineer/Environmental	1				0		1		\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$81,000					
111	Accounting/Purchasing	1				0		1		\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$60,750					
112	Secretary/Administration	1				0		1		\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000					
113	Total Administrative					0		5							\$472,500					
114	Shift Number	1	2	3	4					Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense	
116	Section 4 - AOML Operations						Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite								
117	Shift Supervisor	1	1	1	1	0		4		\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$399,360	
118	Lead Operator	1	1	1	1	0		4		\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680	
119	Auxiliary Operator	1	1	1	1	0		4		\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$343,200	
120	Plant Mechanic	2	2	2	2	0		8		\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$549,120	
121	Fuel Handling					0		0		\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0	
122	Total Operations					0		20											\$1,647,360	
123	Section 4 - AOML Maintenance						Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite								
124	Foreman	1				0		1		\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$96,720	
125	Millwright	1				0		1		\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000	
126	Pipe fitters	1				0		1		\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000	
127	Boilermaker	1				0		1		\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000	
128	Laborer	1				0		1		\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$56,160	
129	Electrician/I&C	2				0		2		\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$187,200	
130	Total Maintenance					0		7											\$574,080	
131	Total					0		32											\$2,693,940	

Non-Avoidable Onsite & Offsite Plant Work Force										Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense					
Section 5 - Administrative Expense (AAE)						Onsite	Offsite	On & Offsite												
136	Plant Manager	0.25				0		0.25		\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$42,188					
138	Operations Manager	0.25				0		0.25		\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$27,000					
139	Maintenance Manager	0				0		0.00		\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0					
140	Technical Manager	0				0		0.00		\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0					
141	Plant-Environmental-Design Engineer	0				0		0.00		\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0					
142	ND Testing-Balancing-Chemist-Inspection	0				0		0.00		\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0					
143	Plant Engineer/Environmental	0				0		0.00		\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0					
144	Accounting/Purchasing	0				0		0.00		\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0					
145	Secretary/Administration	0.50				0		0.50		\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$27,000					
146	Total Administrative					0		1.00							\$96,188					
147	Shift Number	1	2	3	4					Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense	
149	Section 4 - AOML Operations						Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite								
150	Shift Supervisor					0		0		\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0	
151	Lead Operator	0	0	0	0	0		0		\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0	
152	Auxiliary Operator	1	1	1	1	0		4		\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$343,200	
153	Plant Mechanic	1				0		1		\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$68,640	
154	Fuel Handling					0		0		\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0	
155	Total Operations					0		5											\$411,840	
156	Section 4 - AOML Maintenance						Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite								
157	Foreman	0				0		0		\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0	
158	Millwright	1				0		1		\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000	
159	Pipe fitters	0				0		0		\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
160	Boilermaker	0				0		0		\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0	
161	Laborer	1				0		1		\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$56,160	
162	Electrician/I&C	0				0		0		\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0	
163	Total Maintenance					0		2											\$134,160	
164	Total					0		8											\$642,188	

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
 2 CATEGORY - COAL  
 3 SUB CATEGORY - SUB-CRITICAL COAL  
 4 11/22/06 2:09 PM

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology	
Combustion Turbine - Diesel	1
Combined Cycle	2
Oil or Gas Steam	3
Sub-Critical Coal	4
Super-Critical Coal	5
Waste Coal	6
Hydro	7
Pumped Storage	8
Section 2 - General Unit Data	
Date	November 22, 2006
LDA	NA
ORG_ID	Participant
Unit ID	PJM Input
Plant Commercial Operation Year	1968
Capacity Planning Year (Start June 1 to Finish May 31)	2007
Age of Plant	39
Net Plant Heat Rate (BTU/kWh) (HHV)	10,250
Current Plant Value (\$Million)	\$375.00
Plant Value (\$/kW)	\$750.00
ICAP (MW)	500.0
EFORd	0.00
UCAP (MW)	500.0
ACR ICAP Based	\$129.01
ACR UCAP Based	\$129.01

Section 3B - Boiler - Steam Turbine Plant Technical Information	
Primary Fuel	Coal
Back Up Fuel	No. 2 Oil
Boiler OEM	Foster Wheeler
Boiler Design Configuration	Front Wall Fired
Boiler HP Steam Rating (Lbs/Hr)	3,800,000
Number of Boilers	1
Boiler HP Pressure/Temperature	2,600/1,000
Boiler Reheat Pressure/Temperature	400/1,000
Fuel Input at Rated Capacity (MMBTU/Hr) (HHV)	5,125.0
STG OEM	GE
STG Capacity (MW)	525.0
STG Water Rate (Lbs/kWh)	7.238
Primary Boiler Nox Control	Low Nox Burners
Secondary Boiler Nox Control	Overfire Air
Primary Particulate Control	Cyclones
Secondary Particulate Control	Bag House
Tertiary Particulate Control	ESP
SO2 Control	Dry Injection
Number of STG	1
Condenser Cooling System	River Water

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$129.01	1.10	\$53.20	\$16.27	\$30.95	\$4.48	\$5.89	\$2.41	\$0.70	\$3.73

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$10,944,960	\$21,890	\$59.97	\$1,235,520	88.7%	\$9,709,440	\$19,419	\$53.20
Administrative Expenses (AAE)	\$3,292,500	\$6,585	\$18.04	\$323,835	90.2%	\$2,968,665	\$5,937	\$16.27
Maintenance Expenses (AME)	\$6,275,000	\$12,550	\$34.38	\$627,500	90.0%	\$5,647,500	\$11,295	\$30.95
Variable Expenses (AVE)	\$1,195,000	\$2,390	\$6.55	\$377,500	68.4%	\$817,500	\$1,635	\$4.48
Taxes Fees and Insurance (ATFI)	\$2,800,000	\$5,600	\$15.34	\$1,725,000	38.4%	\$1,075,000	\$2,150	\$5.89
Carrying Charges (ACC)	\$761,000	\$1,522	\$4.17	\$320,975	57.8%	\$440,025	\$880	\$2.41
Corporate Level Expenses (ACLE)	\$150,000	\$300	\$0.82	\$22,500	85.0%	\$127,500	\$255	\$0.70
Project Investment Recovery Rate (APIR)	\$680,625	\$1,361	\$3.73	\$0	100.0%	\$680,625	\$1,361	\$3.73
<b>Total</b>	<b>\$26,099,085</b>	<b>\$52,198</b>	<b>\$143.01</b>	<b>\$4,632,830</b>	<b>82.2%</b>	<b>\$21,466,255</b>	<b>\$42,933</b>	<b>\$117.62</b>

Section 4 - Operations and Maintenance Labor (AOML)			
	Base	% Avoidable	Avoidable
Operations and Maintenance	\$10,944,960	88.7%	\$9,709,440
Section 5 - Administrative Expense (AAE)			
	Base	% Avoidable	Avoidable
Administrative Salaries	\$2,392,500	91.5%	\$2,189,500
Employee Expenses	\$150,000	88.7%	\$133,067
Environmental Fees	\$200,000	75.0%	\$150,000
Safety & Operator Training	\$150,000	88.7%	\$133,067
Office Supplies	\$50,000	91.5%	\$45,758
Communications	\$150,000	91.5%	\$137,273
Annual Plant Tests, Inspections & Analysis	\$200,000	90.0%	\$180,000
<b>Total</b>	<b>\$3,292,500</b>	<b>90.2%</b>	<b>\$2,968,665</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)			
	Base	% Avoidable	Avoidable
Maintenance Parts	\$4,000,000	90.0%	\$3,600,000
Maintenance Contract Services	\$2,000,000	90.0%	\$1,800,000
Chemicals & Materials Consumed	\$125,000	90.0%	\$112,500
Rented Equipment	\$150,000	90.0%	\$135,000
<b>Total</b>	<b>\$6,275,000</b>	<b>90.0%</b>	<b>\$5,647,500</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)			
	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$300,000	90.0%	\$270,000
Lubricants	\$50,000	90.0%	\$45,000
Water (Not for Power Generation)	\$20,000	50.0%	\$10,000
Gas (Not for Power Generation)	\$125,000	50.0%	\$62,500
Electric (Not for Power Generation)	\$500,000	50.0%	\$250,000
Waste Water Treatment	\$200,000	90.0%	\$180,000
<b>Total</b>	<b>\$1,195,000</b>	<b>68.4%</b>	<b>\$817,500</b>
Section 8 - Taxes Fees and Insurance (ATFI)			
	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$1,500,000	60.0%	\$900,000
Permits and Licensing Fees	\$200,000	75.0%	\$150,000
Site Security and Utilities	\$100,000	25.0%	\$25,000
Annual Property Tax Payment	\$1,000,000	0.0%	\$0
<b>Total</b>	<b>\$2,800,000</b>	<b>38.4%</b>	<b>\$1,075,000</b>
Section 9 - Carrying Charges (ACC)			
	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$2,500,000	0.0%	\$0
Fuel Inventory	\$8,321,430	75.0%	\$6,241,072
Other Inventory	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$10,871,430</b>	<b>57.8%</b>	<b>\$6,286,072</b>
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$761,000	57.8%	\$440,025
Section 10 - Corporate Level Expenses (ACLE)			
	Base	% Avoidable	Avoidable
Legal Services	\$50,000	90.0%	\$45,000
Environmental Reporting	\$50,000	75.0%	\$37,500
Procurement Expenses	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$150,000</b>	<b>85.0%</b>	<b>\$127,500</b>
Section 11 - Project Investment Recovery Rate (APIR)			
	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$680,625	100.0%	\$680,625

Section 11A - Project Investment - PI		
Equipment Cost		\$1,875,000
Installation Cost		\$0
Interconnection Costs		\$0
Equipment Spares		\$0
Mobilization and Startup		\$0
Land Purchases		\$0
Development Expenses		\$0
Legal Fees		\$0
Air, EIS, Land Use & FERC Permits		\$0
Interest During Construction		\$0
Owners Contingency		\$0
<b>Total Project Investment</b>		<b>\$1,875,000</b>
Age of Plant		39
Remaining Life of Plant		5
Entitled Plant CRF		0.363
Project Investment Recovery Rate		\$680,625
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	0.5
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	36,348
Gallons In Inventory	436,170
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	30.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	205.00
Tons In Inventory	147,600
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - COAL SUB CATEGORY - SUB-CRITICAL COAL

94 Section 4 & 5 - Staffing Assumptions to Determine AOML and AAE

95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	10%
99	Benefits Percent of Base (%)	35.0%

100 Operating Onsite & Offsite Plant Work Force

	Total						Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense
103	<b>Section 5 - Administrative Expense (AAE)</b>											
	Onsite				Offsite	On & Offsite						
104	Plant Manager	1			0	1	\$175,000	\$17,500	\$192,500	\$61,250	\$253,750	\$253,750
105	Operations Manager	1	1	1	0	4	\$100,000	\$10,000	\$110,000	\$35,000	\$145,000	\$580,000
106	Maintenance Manager	1			0	1	\$80,000	\$8,000	\$88,000	\$28,000	\$116,000	\$116,000
107	Technical Manager	1			0	1	\$75,000	\$7,500	\$82,500	\$26,250	\$108,750	\$108,750
108	Plant-Environmental-Design Engineer	2			0	2	\$70,000	\$7,000	\$77,000	\$24,500	\$101,500	\$203,000
109	ND Testing-Balancing-Chemist-Inspection	1	1	1	2	6	\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$522,000
110	Plant Engineer/Environmental	1			1	2	\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$174,000
111	Accounting/Purchasing	2			2	4	\$45,000	\$4,500	\$49,500	\$15,750	\$65,250	\$261,000
112	Secretary/Administration	2			1	3	\$40,000	\$4,000	\$44,000	\$14,000	\$58,000	\$174,000
113	Total Administrative				6	24						\$2,392,500

114 Shift Number

	1	2	3	4	Offsite	On & Offsite	Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense
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115 Section 4 - AOML Operations

116	Shift Supervisor	1	1	1	1	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$399,360
118	Lead Operator	2	2	2	2	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$711,360
119	Auxiliary Operator	4	4	4	4	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$1,372,800
120	Plant Mechanic	4	4	4	4	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$1,098,240
121	Fuel Handling	4	4	4	4	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$998,400
122	Total Operations					0										\$4,580,160

123 Section 4 - AOML Maintenance

124	Foreman	2	2	2	2	0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$773,760
125	Millwright	3	3	3	3	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$936,000
126	Pipefitters	4	4	4	4	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$1,248,000
127	Boilermaker	3	3	3	3	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$936,000
128	Laborer	6	6	6	6	0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$1,347,840
129	Electrician/I&C	3	3	3	3	0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$1,123,200
130	Total Maintenance					0										\$6,364,800
131	Total					6										\$13,337,460

133 Non-Avoidable Onsite & Offsite Plant Work Force

	Total						Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense
136	<b>Section 5 - Administrative Expense (AAE)</b>											
	Onsite				Offsite	On & Offsite						
137	Plant Manager	0			0	0	\$175,000	\$17,500	\$192,500	\$61,250	\$253,750	\$0
138	Operations Manager	1			0	1	\$100,000	\$10,000	\$110,000	\$35,000	\$145,000	\$145,000
139	Maintenance Manager	0			0	0	\$80,000	\$8,000	\$88,000	\$28,000	\$116,000	\$0
140	Technical Manager	0			0	0	\$75,000	\$7,500	\$82,500	\$26,250	\$108,750	\$0
141	Plant-Environmental-Design Engineer	0			0	0	\$70,000	\$7,000	\$77,000	\$24,500	\$101,500	\$0
142	ND Testing-Balancing-Chemist-Inspection	0			0	0	\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0
143	Plant Engineer/Environmental	0			0	0	\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0
144	Accounting/Purchasing	0			0	0	\$45,000	\$4,500	\$49,500	\$15,750	\$65,250	\$0
145	Secretary/Administration	1			0	1	\$40,000	\$4,000	\$44,000	\$14,000	\$58,000	\$58,000
146	Total Administrative				0	2						\$203,000

147 Shift Number

	1	2	3	4	Offsite	On & Offsite	Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense
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148 Section 4 - AOML Operations

149	Shift Supervisor	0			0	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
151	Lead Operator	1	1	1	1	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680
152	Auxiliary Operator	1	1	1	1	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$343,200
153	Plant Mechanic	0			0	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0
154	Fuel Handling	0			0	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
155	Total Operations					8										\$698,880

156 Section 4 - AOML Maintenance

157	Foreman	0			0	0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0
158	Millwright	1	1	1	1	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$312,000
159	Pipe fitters	0			0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
160	Boilermaker	0			0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
161	Laborer	1	1	1	1	0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$224,640
162	Electrician/I&C	0			0	0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0
163	Total Maintenance					8										\$536,640
164	Total					18										\$1,438,520

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
 2 CATEGORY - COAL  
 3 SUB CATEGORY - SUPER CRITICAL COAL  
 4 11/22/06 2:09 PM

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology		5
Combustion Turbine - Diesel		1
Combined Cycle		2
Oil or Gas Steam		3
Sub-Critical Coal		4
Super-Critical Coal		5
Waste Coal		6
Hydro		7
Pumped Storage		8
Section 2 - General Unit Data		
Date		November 22, 2006
LDA		NA
ORG_ID		Participant
Unit ID		PJM Input
Plant Commercial Operation Year		1968
Capacity Planning Year (Start June 1 to Finish May 31)		2007
Age of Plant		39
Net Plant Heat Rate (BTU/kWh) (HHV)		9,850
Current Plant Value (\$Million)		\$400.00
Plant Value (\$/kW)		\$666.67
ICAP (MW)		600.0
EFORd		0.00
UCAP (MW)		600.0
ACR ICAP Based		\$133.29
ACR UCAP Based		\$133.29

Section 3B - Boiler - Steam Turbine Plant Technical Information	
Primary Fuel	Coal
Back Up Fuel	No. 2 Oil
Boiler OEM	Foster Wheeler
Boiler Design Configuration	Front Wall Fired
Boiler HP Steam Rating (Lbs/Hr)	4,000,000
Number of Boilers	1
Boiler HP Pressure/Temperature	3,600/1,050
Boiler Reheat Pressure/Temperature	500/1,050
Fuel Input at Rated Capacity (MMBTU/Hr) (HHV)	5,910.0
STG OEM	GE
STG Capacity (MW)	630.0
STG Water Rate (Lbs/kWh)	6.349
Primary Boiler Nox Control	Low Nox Burners
Secondary Boiler Nox Control	Overfire Air
Primary Particulate Control	Cyclones
Secondary Particulate Control	Bag House
Tertiary Particulate Control	ESP
SO2 Control	Wet Scrubber
Number of STG	1
Condenser Cooling System	River Water

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$133.29	1.10	\$52.11	\$19.64	\$32.98	\$4.92	\$5.59	\$2.33	\$0.58	\$3.32

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$12,648,480	\$21,081	\$57.76	\$1,235,520	90.2%	\$11,412,960	\$19,022	\$52.11
Administrative Expenses (AAE)	\$4,644,500	\$7,741	\$21.21	\$344,095	92.6%	\$4,300,405	\$7,167	\$19.64
Maintenance Expenses (AME)	\$8,025,000	\$13,375	\$36.64	\$802,500	90.0%	\$7,222,500	\$12,038	\$32.98
Variable Expenses (AVE)	\$1,595,000	\$2,658	\$7.28	\$517,500	67.6%	\$1,077,500	\$1,796	\$4.92
Taxes Fees and Insurance (ATFI)	\$3,250,000	\$5,417	\$14.84	\$2,025,000	37.7%	\$1,225,000	\$2,042	\$5.59
Carrying Charges (ACC)	\$888,722	\$1,481	\$4.06	\$378,631	57.4%	\$510,092	\$850	\$2.33
Corporate Level Expenses (ACLE)	\$150,000	\$250	\$0.68	\$22,500	85.0%	\$127,500	\$213	\$0.58
Project Investment Recovery Rate (APIR)	\$726,000	\$1,210	\$3.32	\$0	100.0%	\$726,000	\$1,210	\$3.32
<b>Total</b>	<b>\$31,927,702</b>	<b>\$53,213</b>	<b>\$145.79</b>	<b>\$5,325,746</b>	<b>83.3%</b>	<b>\$26,601,956</b>	<b>\$44,337</b>	<b>\$121.47</b>

Section 4 - Operations and Maintenance Labor (AOML)			
	Base	% Avoidable	Avoidable
Operations and Maintenance	\$12,648,480	90.2%	\$11,412,960
Section 5 - Administrative Expense (AAE)			
	Base	% Avoidable	Avoidable
Administrative Salaries	\$3,494,500	94.2%	\$3,291,500
Employee Expenses	\$200,000	90.2%	\$180,464
Environmental Fees	\$250,000	75.0%	\$187,500
Safety & Operator Training	\$200,000	90.2%	\$180,464
Office Supplies	\$50,000	94.2%	\$47,095
Communications	\$200,000	94.2%	\$188,382
Annual Plant Tests, Inspections & Analysis	\$250,000	90.0%	\$225,000
<b>Total</b>	<b>\$4,644,500</b>	<b>92.6%</b>	<b>\$4,300,405</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)			
	Base	% Avoidable	Avoidable
Maintenance Parts	\$5,000,000	90.0%	\$4,500,000
Maintenance Contract Services	\$2,750,000	90.0%	\$2,475,000
Chemicals & Materials Consumed	\$125,000	90.0%	\$112,500
Rented Equipment	\$150,000	90.0%	\$135,000
<b>Total</b>	<b>\$8,025,000</b>	<b>90.0%</b>	<b>\$7,222,500</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)			
	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$400,000	90.0%	\$360,000
Lubricants	\$50,000	90.0%	\$45,000
Water (Not for Power Generation)	\$20,000	50.0%	\$10,000
Gas (Not for Power Generation)	\$125,000	50.0%	\$62,500
Electric (Not for Power Generation)	\$750,000	50.0%	\$375,000
Waste Water Treatment	\$250,000	90.0%	\$225,000
<b>Total</b>	<b>\$1,595,000</b>	<b>67.6%</b>	<b>\$1,077,500</b>
Section 8 - Taxes Fees and Insurance (ATFI)			
	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$1,750,000	60.0%	\$1,050,000
Permits and Licensing Fees	\$200,000	75.0%	\$150,000
Site Security and Utilities	\$100,000	25.0%	\$25,000
Annual Property Tax Payment	\$1,200,000	0.0%	\$0
<b>Total</b>	<b>\$3,250,000</b>	<b>37.7%</b>	<b>\$1,225,000</b>
Section 9 - Carrying Charges (ACC)			
	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$3,000,000	0.0%	\$0
Fuel Inventory	\$9,596,029	75.0%	\$7,197,022
Other Inventory	\$100,000	90.0%	\$90,000
<b>Total</b>	<b>\$12,696,029</b>	<b>57.4%</b>	<b>\$7,287,022</b>
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$888,722	57.4%	\$510,092
Section 10 - Corporate Level Expenses (ACLE)			
	Base	% Avoidable	Avoidable
Legal Services	\$50,000	90.0%	\$45,000
Environmental Reporting	\$50,000	75.0%	\$37,500
Procurement Expenses	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$150,000</b>	<b>85.0%</b>	<b>\$127,500</b>
Section 11 - Project Investment Recovery Rate (APIR)			
	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$726,000	100.0%	\$726,000

Section 11A - Project Investment - PI		
Equipment Cost		\$2,000,000
Installation Cost		\$0
Interconnection Costs		\$0
Equipment Spares		\$0
Mobilization and Startup		\$0
Land Purchases		\$0
Development Expenses		\$0
Legal Fees		\$0
Air, EIS, Land Use & FERC Permits		\$0
Interest During Construction		\$0
Owners Contingency		\$0
<b>Total Project Investment</b>		<b>\$2,000,000</b>
Age of Plant		39
Remaining Life of Plant		5
Entitled Plant CRF		0.363
<b>Project Investment Recovery Rate</b>		<b>\$726,000</b>
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	0.5
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	41,915
Gallons In Inventory	502,979
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	30.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	236.40
Tons In Inventory	170,208
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - COAL SUB CATEGORY - SUPER CRITICAL COAL

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	10%
99	Benefits Percent of Base (%)	35.0%

Operating Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense					
	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite											
103	<b>Section 5 - Administrative Expense (AAE)</b>																
104	Plant Manager	1			0	1	\$175,000	\$17,500	\$192,500	\$61,250	\$253,750	\$253,750					
105	Plant Superintendent	1	1	1	0	4	\$100,000	\$10,000	\$110,000	\$35,000	\$145,000	\$580,000					
106	Maintenance and Operations Manager	2			0	2	\$80,000	\$8,000	\$88,000	\$28,000	\$116,000	\$232,000					
107	Technical Manager	1			0	1	\$75,000	\$7,500	\$82,500	\$26,250	\$108,750	\$108,750					
108	Plant-Environmental-Design Engineer	4			3	7	\$70,000	\$7,000	\$77,000	\$24,500	\$101,500	\$710,500					
109	ND Testing-Balancing-Chemist-Inspection	2	2	2	4	12	\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$1,044,000					
110	Plant Engineer/Environmental					0	\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0					
111	Accounting/Purchasing	2			4	6	\$45,000	\$4,500	\$49,500	\$15,750	\$65,250	\$391,500					
112	Secretary/Administration	2			1	3	\$40,000	\$4,000	\$44,000	\$14,000	\$58,000	\$174,000					
113	<b>Total Administrative</b>				12	36						\$3,494,500					
114	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense	
116	<b>Section 4 - AOML Operations</b>																
117	Shift Supervisor	1	1	1	1	4	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$399,360	
118	Lead Operator	2	2	2	2	8	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$711,360	
119	Auxiliary Operator	5	5	5	5	20	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$1,716,000	
120	Plant Mechanic	4	4	4	4	16	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$1,098,240	
121	Fuel Handling	4	4	4	4	16	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$998,400	
122	<b>Total Operations</b>				0	64										\$4,923,360	
123	<b>Section 4 - AOML Maintenance</b>																
124	Foreman	2	2	2	2	8	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$773,760	
125	Millwright	3	3	3	3	12	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$936,000	
126	Pipefitters	4	4	4	4	16	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$1,248,000	
127	Boilermaker	4	4	4	4	16	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$1,248,000	
128	Laborer	9	9	9	9	36	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$2,021,760	
129	Electrician/I&C	4	4	4	4	16	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$1,497,600	
130	<b>Total Maintenance</b>				0	104										\$7,725,120	
131	<b>Total</b>				12	204										\$16,142,980	

Non-Avoidable Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense				
	Onsite	Onsite	Onsite	Onsite	Offsite	On & Offsite										
136	<b>Section 5 - Administrative Expense (AAE)</b>															
137	Plant Manager	0			0	0	\$175,000	\$17,500	\$192,500	\$61,250	\$253,750	\$0				
138	Operations Manager	1			0	1	\$100,000	\$10,000	\$110,000	\$35,000	\$145,000	\$145,000				
139	Maintenance Manager	0			0	0	\$80,000	\$8,000	\$88,000	\$28,000	\$116,000	\$0				
140	Technical Manager	0			0	0	\$75,000	\$7,500	\$82,500	\$26,250	\$108,750	\$0				
141	Plant-Environmental-Design Engineer	0			0	0	\$70,000	\$7,000	\$77,000	\$24,500	\$101,500	\$0				
142	ND Testing-Balancing-Chemist-Inspection	0			0	0	\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0				
143	Plant Engineer/Environmental	0			0	0	\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0				
144	Accounting/Purchasing	0			0	0	\$45,000	\$4,500	\$49,500	\$15,750	\$65,250	\$0				
145	Secretary/Administration	1			0	1	\$40,000	\$4,000	\$44,000	\$14,000	\$58,000	\$58,000				
146	<b>Total Administrative</b>				0	2						\$203,000				
147	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense
149	<b>Section 4 - AOML Operations</b>															
150	Shift Supervisor	0			0	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
151	Lead Operator	1	1	1	1	4	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680
152	Auxiliary Operator	1	1	1	1	4	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$343,200
153	Plant Mechanic				0	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0
154	Fuel Handling				0	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
155	<b>Total Operations</b>				0	8										\$698,880
156	<b>Section 4 - AOML Maintenance</b>															
157	Foreman	0			0	0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0
158	Millwright	1	1	1	1	4	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$312,000
159	Pipe fitters	0			0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
160	Boilermaker	0			0	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
161	Laborer	1	1	1	1	4	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$224,640
162	Electrician/I&C	0			0	0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0
163	<b>Total Maintenance</b>				0	8										\$536,640
164	<b>Total</b>				0	18										\$1,438,520

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
 2 CATEGORY - COAL  
 3 SUB CATEGORY - 100 MW WASTE COAL  
 4 11/22/06 2:09 PM

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology	
Combustion Turbine - Diesel	1
Combined Cycle	2
Oil or Gas Steam	3
Sub-Critical Coal	4
Super-Critical Coal	5
Waste Coal	6
Hydro	7
Pumped Storage	8
Section 2 - General Unit Data	
Date	November 22, 2006
LDA	NA
ORG_ID	Participant
Unit ID	PJM Input
Plant Commercial Operation Year	1990
Capacity Planning Year (Start June 1 to Finish May 31)	2007
Age of Plant	17
Net Plant Heat Rate (BTU/kWh) (HHV)	13,500
Current Plant Value (\$Million)	\$150.00
Plant Value (\$/kW)	\$1,705
ICAP (MW)	88.0
EFORd	0.00
UCAP (MW)	88.0
ACR ICAP Based	\$170.13
ACR UCAP Based	\$170.13

Section 3B - Boiler - Steam Turbine Plant Technical Information	
Primary Fuel	Waste Coal
Back Up Fuel	No. 2 Oil
Boiler OEM	Foster Wheeler
Boiler Design Configuration	Circ. Fluid Bed
Boiler HP Steam Rating (Lbs/Hr)	840,000
Number of Boilers	2
Boiler HP Pressure/Temperature	1,500/950
Boiler Reheat Pressure/Temperature	NA
Fuel Input at Rated Capacity (MMBTU/Hr) (HHV)	1,188.0
STG OEM	GE
STG Capacity (MW)	100.0
STG Water Rate (Lbs/kWh)	8.400
Primary Boiler Nox Control	Overfire Air
Secondary Boiler Nox Control	Urea Injection
Primary Particulate Control	Cyclones
Secondary Particulate Control	Bag House
Tertiary Particulate Control	ESP
SO2 Control	Dry Injection
Number of STG	1
Condenser Cooling System	Wet Cooling Tower

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$170.13	1.10	\$59.64	\$17.54	\$44.83	\$10.31	\$16.93	\$0.86	\$1.98	\$2.83

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$2,449,200	\$27,832	\$76.25	\$533,520	78.2%	\$1,915,680	\$21,769	\$59.64
Administrative Expenses (AAE)	\$722,500	\$8,210	\$22.49	\$159,034	78.0%	\$563,466	\$6,403	\$17.54
Maintenance Expenses (AME)	\$1,600,000	\$18,182	\$49.81	\$160,000	90.0%	\$1,440,000	\$16,364	\$44.83
Variable Expenses (AVE)	\$450,000	\$5,114	\$14.01	\$119,000	73.6%	\$331,000	\$3,761	\$10.31
Taxes Fees and Insurance (ATFI)	\$1,125,000	\$12,784	\$35.02	\$581,250	48.3%	\$543,750	\$6,179	\$16.93
Carrying Charges (ACC)	\$106,339	\$1,208	\$3.31	\$78,560	26.1%	\$27,780	\$316	\$0.86
Corporate Level Expenses (ACLE)	\$75,000	\$852	\$2.33	\$11,250	85.0%	\$63,750	\$724	\$1.98
Project Investment Recovery Rate (APIR)	\$90,750	\$1,031	\$2.83	\$0	100.0%	\$90,750	\$1,031	\$2.83
<b>Total</b>	<b>\$6,618,789</b>	<b>\$75,214</b>	<b>\$206.06</b>	<b>\$1,642,614</b>	<b>75.2%</b>	<b>\$4,976,175</b>	<b>\$56,547</b>	<b>\$154.92</b>

Section 4 - Operations and Maintenance Labor (AOML)			
	Base	% Avoidable	Avoidable
Operations and Maintenance	\$2,449,200	78.2%	\$1,915,680
Section 5 - Administrative Expense (AAE)			
	Base	% Avoidable	Avoidable
Administrative Salaries	\$507,500	77.1%	\$391,500
Employee Expenses	\$35,000	78.2%	\$27,376
Environmental Fees	\$50,000	75.0%	\$37,500
Safety & Operator Training	\$35,000	78.2%	\$27,376
Office Supplies	\$15,000	77.1%	\$11,571
Communications	\$30,000	77.1%	\$23,143
Annual Plant Tests, Inspections & Analysis	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$722,500</b>	<b>78.0%</b>	<b>\$563,466</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)			
	Base	% Avoidable	Avoidable
Maintenance Parts	\$1,000,000	90.0%	\$900,000
Maintenance Contract Services	\$500,000	90.0%	\$450,000
Chemicals & Materials Consumed	\$50,000	90.0%	\$45,000
Rented Equipment	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$1,600,000</b>	<b>90.0%</b>	<b>\$1,440,000</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)			
	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$200,000	90.0%	\$180,000
Lubricants	\$15,000	90.0%	\$13,500
Water (Not for Power Generation)	\$10,000	50.0%	\$5,000
Gas (Not for Power Generation)	\$25,000	50.0%	\$12,500
Electric (Not for Power Generation)	\$150,000	50.0%	\$75,000
Waste Water Treatment	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$450,000</b>	<b>73.6%</b>	<b>\$331,000</b>
Section 8 - Taxes Fees and Insurance (ATFI)			
	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$750,000	60.0%	\$450,000
Permits and Licensing Fees	\$100,000	75.0%	\$75,000
Site Security and Utilities	\$75,000	25.0%	\$18,750
Annual Property Tax Payment	\$200,000	0.0%	\$0
<b>Total</b>	<b>\$1,125,000</b>	<b>48.3%</b>	<b>\$543,750</b>
Section 9 - Carrying Charges (ACC)			
	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$1,000,000	0.0%	\$0
Fuel Inventory	\$469,134	75.0%	\$351,850
Other Inventory	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$1,519,134</b>	<b>26.1%</b>	<b>\$396,850</b>
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$106,339	26.1%	\$27,780
Section 10 - Corporate Level Expenses (ACLE)			
	Base	% Avoidable	Avoidable
Legal Services	\$25,000	90.0%	\$22,500
Environmental Reporting	\$25,000	75.0%	\$18,750
Procurement Expenses	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$75,000</b>	<b>85.0%</b>	<b>\$63,750</b>
Section 11 - Project Investment Recovery Rate (APIR)			
	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$90,750	100.0%	\$90,750

Section 11A - Project Investment - PI		
Equipment Cost		\$250,000
Installation Cost		\$0
Interconnection Costs		\$0
Equipment Spares		\$0
Mobilization and Startup		\$0
Land Purchases		\$0
Development Expenses		\$0
Legal Fees		\$0
Air, EIS, Land Use & FERC Permits		\$0
Interest During Construction		\$0
Owners Contingency		\$0
<b>Total Project Investment</b>		<b>\$250,000</b>
Age of Plant		17
Remaining Life of Plant		5
Entitled Plant CRF		0.363
Project Investment Recovery Rate		\$90,750
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	0.5
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	8,426
Gallons In Inventory	101,106
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	15.0
Coal Heating Value (BTU/Lb)	7,500
Burn Rate (Tons/Hr)	79.20
Tons In Inventory	28,512
Coal Price (\$/Ton) (Delivered)	\$10.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - COAL SUB CATEGORY - 100 MW WASTE COAL

94 Section 4 & 5 - Staffing Assumptions to Determine AOML and AAE

95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	10%
99	Benefits Percent of Base (%)	35.0%

100 Operating Onsite & Offsite Plant Work Force

					Total						Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense
103	<b>Section 5 - Administrative Expense (AAE)</b>				<b>Onsite</b>	<b>Offsite</b>	<b>On &amp; Offsite</b>									
104	Plant Manager	1			0	1					\$125,000	\$12,500	\$137,500	\$43,750	\$181,250	\$181,250
105	Operations Manager	1			0	1					\$80,000	\$8,000	\$88,000	\$28,000	\$116,000	\$116,000
106	Maintenance Manager	0			0	0					\$75,000	\$7,500	\$82,500	\$26,250	\$108,750	\$0
107	Technical Manager	0			0	0					\$70,000	\$7,000	\$77,000	\$24,500	\$101,500	\$0
108	Plant-Environmental-Design Engineer	0			0	0					\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0
109	ND Testing-Balancing-Chemist-Inspection	0			0	0					\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0
110	Plant Engineer/Environmental	1			0	1					\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$87,000
111	Accounting/Purchasing	1			0	1					\$45,000	\$4,500	\$49,500	\$15,750	\$65,250	\$65,250
112	Secretary/Administration	1			0	1					\$40,000	\$4,000	\$44,000	\$14,000	\$58,000	\$58,000
113	Total Administrative				0	5										\$507,500
114	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense
116	<b>Section 4 - AOML Operations</b>				<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Offsite</b>	<b>On &amp; Offsite</b>						
117	Shift Supervisor					0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
118	Lead Operator	1	1	1	1	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680
119	Auxiliary Operator	2	2	2	2	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$686,400
120	Plant Mechanic	1	1	1	1	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$274,560
121	Fuel Handling	1	1	1	1	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$249,600
122	Total Operations					0										\$1,566,240
123	<b>Section 4 - AOML Maintenance</b>				<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>On &amp; Offsite</b>						
124	Foreman	1				0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$96,720
125	Millwright	2				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$156,000
126	Pipefitters	2				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$156,000
127	Boilermaker	2				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$156,000
128	Laborer	1	1	1	1	0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$224,640
129	Electrician/I&C	1				0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$93,600
130	Total Maintenance					0										\$882,960
131	Total					0										\$2,956,700

133 Non-Avoidable Onsite & Offsite Plant Work Force

					Total						Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense
136	<b>Section 5 - Administrative Expense (AAE)</b>				<b>Onsite</b>	<b>Offsite</b>	<b>On &amp; Offsite</b>									
137	Plant Manager	0			0	0					\$125,000	\$12,500	\$137,500	\$43,750	\$181,250	\$0
138	Operations Manager	0.5			0	1					\$80,000	\$8,000	\$88,000	\$28,000	\$116,000	\$58,000
139	Maintenance Manager	0			0	0					\$75,000	\$7,500	\$82,500	\$26,250	\$108,750	\$0
140	Technical Manager	0			0	0					\$70,000	\$7,000	\$77,000	\$24,500	\$101,500	\$0
141	Plant-Environmental-Design Engineer	0			0	0					\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0
142	ND Testing-Balancing-Chemist-Inspection	0			0	0					\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0
143	Plant Engineer/Environmental	0			0	0					\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0
144	Accounting/Purchasing	0			0	0					\$45,000	\$4,500	\$49,500	\$15,750	\$65,250	\$0
145	Secretary/Administration	1			0	1					\$40,000	\$4,000	\$44,000	\$14,000	\$58,000	\$58,000
146	Total Administrative				0	2										\$116,000
147	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense
149	<b>Section 4 - AOML Operations</b>				<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Offsite</b>	<b>On &amp; Offsite</b>						
150	Shift Supervisor					0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
151	Lead Operator					0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0
152	Auxiliary Operator	1	1	1	1	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$343,200
153	Plant Mechanic					0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0
154	Fuel Handling					0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
155	Total Operations					0										\$343,200
156	<b>Section 4 - AOML Maintenance</b>				<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Onsite</b>	<b>Offsite</b>	<b>On &amp; Offsite</b>						
157	Foreman	0				0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0
158	Millwright	1				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
159	Pipe fitters	0				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
160	Boilermaker	0				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
161	Laborer	2				0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$112,320
162	Electrician/I&C	0				0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0
163	Total Maintenance					0										\$190,320
164	Total					0										\$649,520

1 PJM RPM DEFAULT AVOIDABLE COST RATE PROXY  
 2 CATEGORY - COAL  
 3 SUB CATEGORY - 500 MW WASTE COAL  
 4 11/22/06 2:09 PM

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology	
Combustion Turbine - Diesel	1
Combined Cycle	2
Oil or Gas Steam	3
Sub-Critical Coal	4
Super-Critical Coal	5
Waste Coal	6
Hydro	7
Pumped Storage	8
Section 2 - General Unit Data	
Date	November 22, 2006
LDA	NA
ORG_ID	Participant
Unit ID	PJM Input
Plant Commercial Operation Year	2004
Capacity Planning Year (Start June 1 to Finish May 31)	2007
Age of Plant	3
Net Plant Heat Rate (BTU/kWh) (HHV)	9,750
Current Plant Value (\$Million)	\$800.00
Plant Value (\$/kW)	\$1,538
ICAP (MW)	520.0
EFORd	0.00
UCAP (MW)	520.0
ACR ICAP Based	\$62.92
ACR UCAP Based	\$62.92

Section 3B - Boiler - Steam Turbine Plant Technical Information	
Primary Fuel	Waste Coal
Back Up Fuel	No. 2 Oil
Boiler OEM	Foster Wheeler
Boiler Design Configuration	Circ. Fluid Bed
Boiler HP Steam Rating (Lbs/Hr)	3,800,000
Number of Boilers	2
Boiler HP Pressure/Temperature	2,600/1000
Boiler Reheat Pressure/Temperature	600/1000
Fuel Input at Rated Capacity (MMBTU/Hr) (HHV)	5,070.0
STG OEM	GE
STG Capacity (MW)	540.0
STG Water Rate (Lbs/kWh)	7.037
Primary Boiler Nox Control	Overfire Air
Secondary Boiler Nox Control	Urea Injection
Primary Particulate Control	Cyclones
Secondary Particulate Control	Bag House
Tertiary Particulate Control	ESP
SO2 Control	Dry Lime Injection
Number of STG	1
Condenser Cooling System	Wet Cooling Tower

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$62.92	1.10	\$18.81	\$4.91	\$16.36	\$3.73	\$11.59	\$0.99	\$0.67	\$0.16

Section 12 - Summary (ICAP Basis)								
	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Fixed Operating Expenses								
Operations and Maintenance Labor (AOML)	\$4,102,800	\$7,890	\$21.62	\$533,520	87.0%	\$3,569,280	\$6,864	\$18.81
Administrative Expenses (AAE)	\$1,099,500	\$2,114	\$5.79	\$168,222	84.7%	\$931,278	\$1,791	\$4.91
Maintenance Expenses (AME)	\$3,450,000	\$6,635	\$18.18	\$345,000	90.0%	\$3,105,000	\$5,971	\$16.36
Variable Expenses (AVE)	\$920,000	\$1,769	\$4.85	\$212,000	77.0%	\$708,000	\$1,362	\$3.73
Taxes Fees and Insurance (ATFI)	\$4,200,000	\$8,077	\$22.13	\$2,000,000	52.4%	\$2,200,000	\$4,231	\$11.59
Carrying Charges (ACC)	\$473,918	\$911	\$2.50	\$286,105	39.6%	\$187,814	\$361	\$0.99
Corporate Level Expenses (ACLE)	\$150,000	\$288	\$0.79	\$22,500	85.0%	\$127,500	\$245	\$0.67
Project Investment Recovery Rate (APIR)	\$31,250	\$60	\$0.16	\$0	100.0%	\$31,250	\$60	\$0.16
<b>Total</b>	<b>\$14,427,468</b>	<b>\$27,745</b>	<b>\$76.01</b>	<b>\$3,567,347</b>	<b>75.3%</b>	<b>\$10,860,122</b>	<b>\$20,885</b>	<b>\$57.22</b>

Section 4 - Operations and Maintenance Labor (AOML)			
	Base	% Avoidable	Avoidable
Operations and Maintenance	\$4,102,800	87.0%	\$3,569,280
Section 5 - Administrative Expense (AAE)			
	Base	% Avoidable	Avoidable
Administrative Salaries	\$739,500	84.3%	\$623,500
Employee Expenses	\$60,000	87.0%	\$52,198
Environmental Fees	\$50,000	75.0%	\$37,500
Safety & Operator Training	\$60,000	87.0%	\$52,198
Office Supplies	\$30,000	84.3%	\$25,294
Communications	\$60,000	84.3%	\$50,588
Annual Plant Tests, Inspections & Analysis	\$100,000	90.0%	\$90,000
<b>Total</b>	<b>\$1,099,500</b>	<b>84.7%</b>	<b>\$931,278</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)			
	Base	% Avoidable	Avoidable
Maintenance Parts	\$2,000,000	90.0%	\$1,800,000
Maintenance Contract Services	\$1,250,000	90.0%	\$1,125,000
Chemicals & Materials Consumed	\$100,000	90.0%	\$90,000
Rented Equipment	\$100,000	90.0%	\$90,000
<b>Total</b>	<b>\$3,450,000</b>	<b>90.0%</b>	<b>\$3,105,000</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)			
	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$500,000	90.0%	\$450,000
Lubricants	\$20,000	90.0%	\$18,000
Water (Not for Power Generation)	\$25,000	50.0%	\$12,500
Gas (Not for Power Generation)	\$25,000	50.0%	\$12,500
Electric (Not for Power Generation)	\$250,000	50.0%	\$125,000
Waste Water Treatment	\$100,000	90.0%	\$90,000
<b>Total</b>	<b>\$920,000</b>	<b>77.0%</b>	<b>\$708,000</b>
Section 8 - Taxes Fees and Insurance (ATFI)			
	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$3,500,000	60.0%	\$2,100,000
Permits and Licensing Fees	\$100,000	75.0%	\$75,000
Site Security and Utilities	\$100,000	25.0%	\$25,000
Annual Property Tax Payment	\$500,000	0.0%	\$0
<b>Total</b>	<b>\$4,200,000</b>	<b>52.4%</b>	<b>\$2,200,000</b>
Section 9 - Carrying Charges (ACC)			
	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$3,000,000	0.0%	\$0
Fuel Inventory	\$3,218,911	75.0%	\$2,414,183
Other Inventory	\$100,000	90.0%	\$90,000
<b>Total</b>	<b>\$6,318,911</b>	<b>39.6%</b>	<b>\$2,504,183</b>
Carrying Cost Rate (%)	7.5%		
Carrying Cost	\$473,918	39.6%	\$187,814
Section 10 - Corporate Level Expenses (ACLE)			
	Base	% Avoidable	Avoidable
Legal Services	\$50,000	90.0%	\$45,000
Environmental Reporting	\$50,000	75.0%	\$37,500
Procurement Expenses	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$150,000</b>	<b>85.0%</b>	<b>\$127,500</b>
Section 11 - Project Investment Recovery Rate (APIR)			
	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$31,250	100.0%	\$31,250

Section 11A - Project Investment - PI		
Equipment Cost		\$250,000
Installation Cost		\$0
Interconnection Costs		\$0
Equipment Spares		\$0
Mobilization and Startup		\$0
Land Purchases		\$0
Development Expenses		\$0
Legal Fees		\$0
Air, EIS, Land Use & FERC Permits		\$0
Interest During Construction		\$0
Owners Contingency		\$0
<b>Total Project Investment</b>		<b>\$250,000</b>
Age of Plant		3
Remaining Life of Plant		20
Entitled Plant CRF		0.125
<b>Project Investment Recovery Rate</b>		<b>\$31,250</b>
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	0.5
Oil Heating Value (BTU/Gallon)	141,000
Burn Rate (Gallons/Hr)	35,957
Gallons In Inventory	431,489
Oil Price (\$/Gallon) (Delivered)	\$1.82
Section 9B - Coal Inventory	
Inventory (Days)	30.0
Coal Heating Value (BTU/Lb)	7,500
Burn Rate (Tons/Hr)	338.00
Tons In Inventory	243,360
Coal Price (\$/Ton) (Delivered)	\$10.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - COAL SUB CATEGORY - 500 MW WASTE COAL

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	10%
99	Benefits Percent of Base (%)	35.0%

Operating Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense				
		Onsite		Offsite	On & Offsite	Total										
104	Plant Manager	1		0	1		\$150,000	\$15,000	\$165,000	\$52,500	\$217,500	\$217,500				
105	Operations Manager	1		0	1		\$80,000	\$8,000	\$88,000	\$28,000	\$116,000	\$116,000				
106	Maintenance Manager	1		0	1		\$75,000	\$7,500	\$82,500	\$26,250	\$108,750	\$108,750				
107	Technical Manager			0	0		\$70,000	\$7,000	\$77,000	\$24,500	\$101,500	\$0				
108	Plant-Environmental-Design Engineer	1		0	1		\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$87,000				
109	ND Testing-Balancing-Chemist-Inspection			0	0		\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0				
110	Plant Engineer/Environmental	1		0	1		\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$87,000				
111	Accounting/Purchasing	1		0	1		\$45,000	\$4,500	\$49,500	\$15,750	\$65,250	\$65,250				
112	Secretary/Administration	1		0	1		\$40,000	\$4,000	\$44,000	\$14,000	\$58,000	\$58,000				
113	Total Administrative			0	7							\$739,500				
114	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense
116	<b>Section 4 - AOML Operations</b>															
117	Shift Supervisor	1	1	1	1	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$399,360
118	Lead Operator	1	1	1	1	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680
119	Auxiliary Operator	4	4	4	4	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$1,372,800
120	Plant Mechanic	1	1	1	1	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$274,560
121	Fuel Handling	2	2	2	2	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$499,200
122	Total Operations					0										\$2,901,600
123	<b>Section 4 - AOML Maintenance</b>															
124	Foreman	1				0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$96,720
125	Millwright	2				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$156,000
126	Pipefitters	2				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$156,000
127	Boilermaker	2				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$156,000
128	Laborer	2	2	2	2	0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$449,280
129	Electrician/I&C	2				0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$187,200
130	Total Maintenance					0										\$1,201,200
131	Total					0										\$4,842,300

Non-Avoidable Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense				
		Onsite		Offsite	On & Offsite	Total										
136	<b>Section 5 - Administrative Expense (AAE)</b>															
137	Plant Manager	0		0	0		\$150,000	\$15,000	\$165,000	\$52,500	\$217,500	\$0				
138	Operations Manager	0.5		0	1		\$80,000	\$8,000	\$88,000	\$28,000	\$116,000	\$58,000				
139	Maintenance Manager	0		0	0		\$75,000	\$7,500	\$82,500	\$26,250	\$108,750	\$0				
140	Technical Manager	0		0	0		\$70,000	\$7,000	\$77,000	\$24,500	\$101,500	\$0				
141	Plant-Environmental-Design Engineer	0		0	0		\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0				
142	ND Testing-Balancing-Chemist-Inspection	0		0	0		\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0				
143	Plant Engineer/Environmental	0		0	0		\$60,000	\$6,000	\$66,000	\$21,000	\$87,000	\$0				
144	Accounting/Purchasing	0		0	0		\$45,000	\$4,500	\$49,500	\$15,750	\$65,250	\$0				
145	Secretary/Administration	1		0	1		\$40,000	\$4,000	\$44,000	\$14,000	\$58,000	\$58,000				
146	Total Administrative			0	2							\$116,000				
147	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Benefits	Unit Labor w Benefits	Total Expense
149	<b>Section 4 - AOML Operations</b>															
150	Shift Supervisor					0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
151	Lead Operator					0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0
152	Auxiliary Operator	1	1	1	1	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$343,200
153	Plant Mechanic					0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0
154	Fuel Handling					0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
155	Total Operations					4										\$343,200
156	<b>Section 4 - AOML Maintenance</b>															
157	Foreman	0				0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0
158	Millwright	1				1	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
159	Pipe fitters	0				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
160	Boilermaker	0				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
161	Laborer	2				2	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$112,320
162	Electrician/I&C	0				0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0
163	Total Maintenance					3										\$190,320
164	Total					9										\$649,520

**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology	
Combustion Turbine - Diesel	1
Combined Cycle	2
Oil or Gas Steam	3
Sub-Critical Coal	4
Super-Critical Coal	5
Waste Coal	6
Hydro	7
Pumped Storage	8
Section 2 - General Unit Data	
Date	November 22, 2006
LDA	NA
ORG_ID	Participant
Unit ID	PJM Input
Plant Commercial Operation Year	1940
Capacity Planning Year (Start June 1 to Finish May 31)	2007
Age of Plant	67
Net Plant Heat Rate (BTU/kWh) (HHV)	0
Current Plant Value (\$Million)	\$200.00
Plant Value (\$/kW)	\$400.00
ICAP (MW)	500.0
EFORd	0.00
UCAP (MW)	500.0
ACR ICAP Based	\$53.74
ACR UCAP Based	\$53.74

Section 3C - Hydro and Pumped Storage	
Turbine OEM	GE
Number of Turbines	10
Turbine Capacity (MW)	50.0
Pump OEM	Not Available
Number of Pumps	0

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$53.74	1.10	\$14.96	\$4.35	\$18.69	\$1.07	\$8.40	\$0.02	\$0.47	\$0.99

Section 12 - Summary (ICAP Basis)								
Fixed Operating Expenses	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Operations and Maintenance Labor (AOML)	\$3,481,920	\$6,964	\$19.08	\$751,920	78.4%	\$2,730,000	\$5,460	\$14.96
Administrative Expenses (AAE)	\$1,049,250	\$2,099	\$5.75	\$255,098	75.7%	\$794,152	\$1,588	\$4.35
Maintenance Expenses (AME)	\$3,790,000	\$7,580	\$20.77	\$379,000	90.0%	\$3,411,000	\$6,822	\$18.69
Variable Expenses (AVE)	\$325,000	\$650	\$1.78	\$130,500	59.8%	\$194,500	\$389	\$1.07
Taxes Fees and Insurance (ATFI)	\$3,675,000	\$7,350	\$20.14	\$2,142,500	41.7%	\$1,532,500	\$3,065	\$8.40
Carrying Charges (ACC)	\$73,500	\$147	\$0.40	\$70,350	4.3%	\$3,150	\$6	\$0.02
Corporate Level Expenses (ACLE)	\$250,000	\$500	\$1.37	\$165,000	34.0%	\$85,000	\$170	\$0.47
Project Investment Recovery Rate (APIR)	\$181,500	\$363	\$0.99	\$0	100.0%	\$181,500	\$363	\$0.99
<b>Total</b>	<b>\$12,826,170</b>	<b>\$25,652</b>	<b>\$70.28</b>	<b>\$3,894,368</b>	<b>69.6%</b>	<b>\$8,931,802</b>	<b>\$17,864</b>	<b>\$48.94</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$3,481,920	78.4%	\$2,730,000
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$749,250	77.9%	\$583,875
Employee Expenses	\$50,000	79.3%	\$39,666
Environmental Fees	\$50,000	10.0%	\$5,000
Safety & Operator Training	\$50,000	79.3%	\$39,666
Office Supplies	\$25,000	77.9%	\$19,482
Communications	\$50,000	77.9%	\$38,964
Annual Plant Tests, Inspections & Analysis	\$75,000	90.0%	\$67,500
<b>Total</b>	<b>\$1,049,250</b>	<b>75.7%</b>	<b>\$794,152</b>
Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$750,000	90.0%	\$675,000
Maintenance Contract Services	\$3,000,000	90.0%	\$2,700,000
Chemicals & Materials Consumed	\$15,000	90.0%	\$13,500
Rented Equipment	\$25,000	90.0%	\$22,500
<b>Total</b>	<b>\$3,790,000</b>	<b>90.0%</b>	<b>\$3,411,000</b>
Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$20,000	90.0%	\$18,000
Lubricants	\$50,000	90.0%	\$45,000
Water (Not for Power Generation)	\$15,000	50.0%	\$7,500
Gas (Not for Power Generation)	\$30,000	50.0%	\$15,000
Electric (Not for Power Generation)	\$200,000	50.0%	\$100,000
Waste Water Treatment	\$10,000	90.0%	\$9,000
<b>Total</b>	<b>\$325,000</b>	<b>59.8%</b>	<b>\$194,500</b>
Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$2,500,000	60.0%	\$1,500,000
Permits and Licensing Fees	\$75,000	10.0%	\$7,500
Site Security and Utilities	\$100,000	25.0%	\$25,000
Annual Property Tax Payment	\$1,000,000	0.0%	\$0
<b>Total</b>	<b>\$3,675,000</b>	<b>41.7%</b>	<b>\$1,532,500</b>
Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$1,000,000	0.0%	\$0
Fuel Inventory	\$0	75.0%	\$0
Other Inventory	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$1,050,000</b>	<b>4.3%</b>	<b>\$45,000</b>
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$73,500	4.3%	\$3,150
Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$100,000	30.0%	\$30,000
Environmental Reporting	\$100,000	10.0%	\$10,000
Procurement Expenses	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$250,000</b>	<b>34.0%</b>	<b>\$85,000</b>
Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$181,500	100.0%	\$181,500

Section 11A - Project Investment - PI		
Equipment Cost		\$500,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
<b>Total Project Investment</b>		<b>\$500,000</b>
Age of Plant		67
Remaining Life of Plant		5
Entitled Plant CRF		0.363
<b>Project Investment Recovery Rate</b>		<b>\$181,500</b>
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	0.0
Oil Heating Value (BTU/Gallon)	150,000
Burn Rate (Gallons/Hr)	0
Gallons In Inventory	0
Oil Price (\$/Gallon) (Delivered)	\$1.06
Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	0.00
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - HYDRO

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	0%
99	Benefits Percent of Base (%)	35.0%

Operating Onsite & Offsite Plant Work Force										Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense
	Onsite	Offsite	On & Offsite												
103	<b>Section 5 - Administrative Expense (AAE)</b>														
104	Plant Manager	1	0	1							\$125,000	\$0	\$125,000	\$43,750	\$168,750
105	Operations Manager	1	0	1							\$80,000	\$0	\$80,000	\$28,000	\$108,000
106	Maintenance Manager	1	0	1							\$75,000	\$0	\$75,000	\$26,250	\$101,250
107	Technical Manager	1	0	1							\$70,000	\$0	\$70,000	\$24,500	\$94,500
108	Plant-Environmental-Design Engineer	1	0	1							\$60,000	\$0	\$60,000	\$21,000	\$81,000
109	ND Testing-Balancing-Chemist-Inspection	0	0	0							\$60,000	\$0	\$60,000	\$21,000	\$81,000
110	Plant Engineer/Environmental	1	0	1							\$60,000	\$0	\$60,000	\$21,000	\$81,000
111	Accounting/Purchasing	1	0	1							\$45,000	\$0	\$45,000	\$15,750	\$60,750
112	Secretary/Administration	1	0	1							\$40,000	\$0	\$40,000	\$14,000	\$54,000
113	Total Administrative		0	8											\$749,250
114	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Labor w Benefits	Total Expense
116	<b>Section 4 - AOML Operations</b>														
117	Shift Supervisor	1	1	1	1	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840
118	Lead Operator	1	1	1	1	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920
119	Auxiliary Operator	3	3	3	3	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800
120	Plant Mechanic	2	2	2	2	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640
121	Fuel Handling	1	1	1	1	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400
122	Total Operations					0		2,080	208	2,288					\$249,600
123	<b>Section 4 - AOML Maintenance</b>														
124	Foreman	1	1	1	1	0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720
125	Millwright	1	1	1	1	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000
126	Pipe fitters	1	1	1	1	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000
127	Boilermaker	1	1	1	1	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000
128	Laborer	1	1	1	1	0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160
129	Electrician/I&C	2	2	2	2	0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600
130	Total Maintenance					0		2,080	208	2,288					\$898,560
131	Total					0									\$4,231,170

Non-Avoidable Onsite & Offsite Plant Work Force										Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense
	Onsite	Offsite	On & Offsite												
136	<b>Section 5 - Administrative Expense (AAE)</b>														
137	Plant Manager	0.50	0	0.50							\$125,000	\$0	\$125,000	\$43,750	\$168,750
138	Operations Manager	0.50	0	0.50							\$80,000	\$0	\$80,000	\$28,000	\$108,000
139	Maintenance Manager	0	0	0.00							\$75,000	\$0	\$75,000	\$26,250	\$101,250
140	Technical Manager	0	0	0.00							\$70,000	\$0	\$70,000	\$24,500	\$94,500
141	Plant-Environmental-Design Engineer	0	0	0.00							\$60,000	\$0	\$60,000	\$21,000	\$81,000
142	ND Testing-Balancing-Chemist-Inspection	0	0	0.00							\$60,000	\$0	\$60,000	\$21,000	\$81,000
143	Plant Engineer/Environmental	0	0	0.00							\$60,000	\$0	\$60,000	\$21,000	\$81,000
144	Accounting/Purchasing	0	0	0.00							\$45,000	\$0	\$45,000	\$15,750	\$60,750
145	Secretary/Administration	0.50	0	0.50							\$40,000	\$0	\$40,000	\$14,000	\$54,000
146	Total Administrative			1.50											\$165,375
147	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Labor w Benefits	Total Expense
149	<b>Section 4 - AOML Operations</b>														
150	Shift Supervisor	0	0	0							\$32.00	2,080	208	2,288	\$66,560
151	Lead Operator	0	0	0							\$28.50	2,080	208	2,288	\$59,280
152	Auxiliary Operator	1	1	1	1	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800
153	Plant Mechanic	1	1	1	1	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640
154	Fuel Handling	1	1	1	1	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400
155	Total Operations			8				2,080	208	2,288					\$617,760
156	<b>Section 4 - AOML Maintenance</b>														
157	Foreman	0	0	0							\$31.00	2,080	208	2,288	\$64,480
158	Millwright	1	1	1	1	0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000
159	Pipe fitters	0	0	0							\$25.00	2,080	208	2,288	\$52,000
160	Boilermaker	0	0	0							\$25.00	2,080	208	2,288	\$52,000
161	Laborer	1	1	1	1	0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160
162	Electrician/I&C	0	0	0							\$30.00	2,080	208	2,288	\$62,400
163	Total Maintenance			2											\$134,160
164	Total			12											\$917,295

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**Instructions to Participant**  
 Participant to complete all cells in blue text.  
 Cells in black text are calculated values

Section 1 - Power Plant Technology	
Combustion Turbine - Diesel	1
Combined Cycle	2
Oil or Gas Steam	3
Sub-Critical Coal	4
Super-Critical Coal	5
Waste Coal	6
Hydro	7
Pumped Storage	8
Section 2 - General Unit Data	
Date	November 22, 2006
LDA	NA
ORG_ID	Participant
Unit ID	PJM Input
Plant Commercial Operation Year	1985
Capacity Planning Year (Start June 1 to Finish May 31)	2007
Age of Plant	22
Net Plant Heat Rate (BTU/kWh) (HHV)	0
Current Plant Value (\$Million)	\$75.00
Plant Value (\$/kW)	\$75.00
ICAP (MW)	1,000.0
EFORd	0.00
UCAP (MW)	1,000.0
ACR ICAP Based	\$15.72
ACR UCAP Based	\$15.72

Section 3C - Hydro and Pumped Storage	
Turbine OEM	GE
Number of Turbines	8
Turbine Capacity (MW)	125.0
Pump OEM	GE
Number of Pumps	5

Section 13 - Avoidable Cost Rate (ARC) Calculation (\$/MW-Day) (ICAP BASED)									
Avoidable Cost Rate =	[ 1.10 x	( AOML +	AAE +	AME +	AVE +	ATFI +	ACC +	ACLE ) +	APIR ]
\$15.72	1.10	\$4.50	\$1.57	\$4.03	\$0.53	\$2.97	\$0.01	\$0.23	\$0.50

Section 12 - Summary (ICAP Basis)								
Fixed Operating Expenses	In Capacity Market	Base (\$/MW-Yr)	Base (\$/MW-Day)	Not in Market	% Avoidable	Avoidable	Avoidable (\$/MW-Yr)	Avoidable (\$/MW-Day)
Operations and Maintenance Labor (AOML)	\$2,118,480	\$2,118	\$5.80	\$477,360	77.5%	\$1,641,120	\$1,641	\$4.50
Administrative Expenses (AAE)	\$817,250	\$817	\$2.24	\$244,067	70.1%	\$573,183	\$573	\$1.57
Maintenance Expenses (AME)	\$1,635,000	\$1,635	\$4.48	\$163,500	90.0%	\$1,471,500	\$1,472	\$4.03
Variable Expenses (AVE)	\$325,000	\$325	\$0.89	\$130,500	59.8%	\$194,500	\$195	\$0.53
Taxes Fees and Insurance (ATFI)	\$2,675,000	\$2,675	\$7.33	\$1,592,500	40.5%	\$1,082,500	\$1,083	\$2.97
Carrying Charges (ACC)	\$56,000	\$56	\$0.15	\$52,850	5.6%	\$3,150	\$3	\$0.01
Corporate Level Expenses (ACLE)	\$250,000	\$250	\$0.68	\$165,000	34.0%	\$85,000	\$85	\$0.23
Project Investment Recovery Rate (APIR)	\$181,500	\$182	\$0.50	\$0	100.0%	\$181,500	\$182	\$0.50
<b>Total</b>	<b>\$8,058,230</b>	<b>\$8,058</b>	<b>\$22.08</b>	<b>\$2,825,777</b>	<b>64.9%</b>	<b>\$5,232,453</b>	<b>\$5,232</b>	<b>\$14.34</b>

Section 4 - Operations and Maintenance Labor (AOML)	Base	% Avoidable	Avoidable
Operations and Maintenance	\$2,118,480	77.5%	\$1,641,120
Section 5 - Administrative Expense (AAE)	Base	% Avoidable	Avoidable
Administrative Salaries	\$587,250	71.8%	\$421,875
Employee Expenses	\$30,000	77.5%	\$23,240
Environmental Fees	\$50,000	10.0%	\$5,000
Safety & Operator Training	\$30,000	77.5%	\$23,240
Office Supplies	\$15,000	71.8%	\$10,776
Communications	\$30,000	71.8%	\$21,552
Annual Plant Tests, Inspections & Analysis	\$75,000	90.0%	\$67,500
<b>Total</b>	<b>\$817,250</b>	<b>70.1%</b>	<b>\$573,183</b>

Section 6 - Maintenance Expense (AME) (Non-CDTF)	Base	% Avoidable	Avoidable
Maintenance Parts	\$600,000	90.0%	\$540,000
Maintenance Contract Services	\$1,000,000	90.0%	\$900,000
Chemicals & Materials Consumed	\$15,000	90.0%	\$13,500
Rented Equipment	\$20,000	90.0%	\$18,000
<b>Total</b>	<b>\$1,635,000</b>	<b>90.0%</b>	<b>\$1,471,500</b>

Section 7 - Variable Expense (AVE) (Non-CDTF)	Base	% Avoidable	Avoidable
Water Treatment Chemicals	\$20,000	90.0%	\$18,000
Lubricants	\$50,000	90.0%	\$45,000
Water (Not for Power Generation)	\$15,000	50.0%	\$7,500
Gas (Not for Power Generation)	\$30,000	50.0%	\$15,000
Electric (Not for Power Generation)	\$200,000	50.0%	\$100,000
Waste Water Treatment	\$10,000	90.0%	\$9,000
<b>Total</b>	<b>\$325,000</b>	<b>59.8%</b>	<b>\$194,500</b>

Section 8 - Taxes Fees and Insurance (ATFI)	Base	% Avoidable	Avoidable
Annual Insurance Premium	\$1,750,000	60.0%	\$1,050,000
Permits and Licensing Fees	\$75,000	10.0%	\$7,500
Site Security and Utilities	\$100,000	25.0%	\$25,000
Annual Property Tax Payment	\$75,000	0.0%	\$0
<b>Total</b>	<b>\$2,675,000</b>	<b>40.5%</b>	<b>\$1,082,500</b>

Section 9 - Carrying Charges (ACC)	Base	% Avoidable	Avoidable
Spare Parts Inventory	\$750,000	0.0%	\$0
Fuel Inventory	\$0	75.0%	\$0
Other Inventory	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$800,000</b>	<b>5.6%</b>	<b>\$45,000</b>
Carrying Cost Rate (%)	7.0%		
Carrying Cost	\$56,000	5.6%	\$3,150

Section 10 - Corporate Level Expenses (ACLE)	Base	% Avoidable	Avoidable
Legal Services	\$100,000	30.0%	\$30,000
Environmental Reporting	\$100,000	10.0%	\$10,000
Procurement Expenses	\$50,000	90.0%	\$45,000
<b>Total</b>	<b>\$250,000</b>	<b>34.0%</b>	<b>\$85,000</b>

Section 11 - Project Investment Recovery Rate (APIR)	Base	% Avoidable	Avoidable
Project Investment Recovery Rate	\$181,500	100.0%	\$181,500

Section 11A - Project Investment - PI		
Equipment Cost		\$500,000
Installation Cost		
Interconnection Costs		
Equipment Spares		
Mobilization and Startup		
Land Purchases		
Development Expenses		
Legal Fees		
Air, EIS, Land Use & FERC Permits		
Interest During Construction		
Owners Contingency		
<b>Total Project Investment</b>		<b>\$500,000</b>
Age of Plant		22
Remaining Life of Plant		5
Entitled Plant CRF		0.363
<b>Project Investment Recovery Rate</b>		<b>\$181,500</b>
Age of Existing Units (Years)	Remaining Life of Plant (Years)	Current Levelized CRF
1 to 5	20	0.125
6 to 10	15	0.146
11 to 15	10	0.198
16 Plus	5	0.363
CapEx	4	0.450
40 Plus	1	1.100

Section 9A - Liquid Fuel Inventory	
Inventory (Days)	0.0
Oil Heating Value (BTU/Gallon)	150,000
Burn Rate (Gallons/Hr)	0
Gallons In Inventory	0
Oil Price (\$/Gallon) (Delivered)	\$1.06

Section 9B - Coal Inventory	
Inventory (Days)	0.0
Coal Heating Value (BTU/Lb)	12,500
Burn Rate (Tons/Hr)	0.00
Tons In Inventory	0
Coal Price (\$/Ton) (Delivered)	\$51.00
Fuel Heating Values (BTU/Gallon)	
Kero	137,000
No. 2 Oil	141,000
No. 6 Oil	150,000

93 CATEGORY - PUMPED STORAGE

94	<b>Section 4 &amp; 5 - Staffing Assumptions to Determine AOML and AAE</b>	
95	Base Annual Labor Hours	2,080
96	Overtime Hours (%)	10%
97	Overtime Wage of Base (%)	150%
98	Administrative Bonus (%)	0%
99	Benefits Percent of Base (%)	35.0%

Operating Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Wages	Unit Benefits	Unit Cost w Benefits	Total Expense				
	Onsite	Offsite	On & Offsite		Total											
103	<b>Section 5 - Administrative Expense (AAE)</b>															
104	Plant Manager	1	0	1						\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$168,750	
105	Operations Manager	1	0	1						\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$108,000	
106	Maintenance Manager	1	0	1						\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$101,250	
107	Technical Manager	1	0	1						\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$94,500	
108	Plant-Environmental-Design Engineer	0	0	0						\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0	
109	ND Testing-Balancing-Chemist-Inspection	0	0	0						\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0	
110	Plant Engineer/Environmental	0	0	0						\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0	
111	Accounting/Purchasing	1	0	1						\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$60,750	
112	Secretary/Administration	1	0	1						\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$54,000	
113	Total Administrative		0	6											\$587,250	
114	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Labor w Benefits	Total Expense	
116	<b>Section 4 - AOML Operations</b>															
117	Shift Supervisor	1	1	1	1	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$399,360
118	Lead Operator	1	1	1	1	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$355,680
119	Auxiliary Operator	1	1	1	1	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$343,200
120	Plant Mechanic	1	1	1	1	0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$274,560
121	Fuel Handling	1	1	1	1	0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$249,600
122	Total Operations					0										\$1,622,400
123	<b>Section 4 - AOML Maintenance</b>															
124	Foreman	1				0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$96,720
125	Millwright	1				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
126	Pipe fitters	1				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
127	Boilermaker					0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
128	Laborer	1				0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$56,160
129	Electrician/I&C	2				0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$187,200
130	Total Maintenance					0										\$496,080
131	Total					0										\$2,705,730

Non-Avoidable Onsite & Offsite Plant Work Force							Base Salary	Annual Bonus	Annual Compensation	Unit Benefits	Unit Cost w Benefits	Total Expense				
	Onsite	Offsite	On & Offsite		Total											
136	<b>Section 5 - Administrative Expense (AAE)</b>															
137	Plant Manager	0.50	0	0.50						\$125,000	\$0	\$125,000	\$43,750	\$168,750	\$84,375	
138	Operations Manager	0.50	0	0.50						\$80,000	\$0	\$80,000	\$28,000	\$108,000	\$54,000	
139	Maintenance Manager	0	0	0.00						\$75,000	\$0	\$75,000	\$26,250	\$101,250	\$0	
140	Technical Manager	0	0	0.00						\$70,000	\$0	\$70,000	\$24,500	\$94,500	\$0	
141	Plant-Environmental-Design Engineer	0	0	0.00						\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0	
142	ND Testing-Balancing-Chemist-Inspection	0	0	0.00						\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0	
143	Plant Engineer/Environmental	0	0	0.00						\$60,000	\$0	\$60,000	\$21,000	\$81,000	\$0	
144	Accounting/Purchasing	0	0	0.00						\$45,000	\$0	\$45,000	\$15,750	\$60,750	\$0	
145	Secretary/Administration	0.50	0	0.50						\$40,000	\$0	\$40,000	\$14,000	\$54,000	\$27,000	
146	Total Administrative			1.50											\$165,375	
147	Shift Number	1	2	3	4		Base Rate \$/Hour	Unit Base Hours	Unit OT Hours	Unit Total Hours	Unit Base Wages	Unit OT Wages	Unit Wages with OT	Unit Labor w Benefits	Total Expense	
149	<b>Section 4 - AOML Operations</b>															
150	Shift Supervisor	0	0	0	0	0	\$32.00	2,080	208	2,288	\$66,560	\$9,984	\$76,544	\$23,296	\$99,840	\$0
151	Lead Operator	0	0	0	0	0	\$28.50	2,080	208	2,288	\$59,280	\$8,892	\$68,172	\$20,748	\$88,920	\$0
152	Auxiliary Operator	1	1	1	1	0	\$27.50	2,080	208	2,288	\$57,200	\$8,580	\$65,780	\$20,020	\$85,800	\$343,200
153	Plant Mechanic					0	\$22.00	2,080	208	2,288	\$45,760	\$6,864	\$52,624	\$16,016	\$68,640	\$0
154	Fuel Handling					0	\$20.00	2,080	208	2,288	\$41,600	\$6,240	\$47,840	\$14,560	\$62,400	\$0
155	Total Operations					4										\$343,200
156	<b>Section 4 - AOML Maintenance</b>															
157	Foreman	0				0	\$31.00	2,080	208	2,288	\$64,480	\$9,672	\$74,152	\$22,568	\$96,720	\$0
158	Millwright	1				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$78,000
159	Pipe fitters	0				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
160	Boilermaker	0				0	\$25.00	2,080	208	2,288	\$52,000	\$7,800	\$59,800	\$18,200	\$78,000	\$0
161	Laborer	1				0	\$18.00	2,080	208	2,288	\$37,440	\$5,616	\$43,056	\$13,104	\$56,160	\$56,160
162	Electrician/I&C	0				0	\$30.00	2,080	208	2,288	\$62,400	\$9,360	\$71,760	\$21,840	\$93,600	\$0
163	Total Maintenance					2										\$134,160
164	Total					8										\$642,735