			6.35%	6.35%	6.35%	6.35%		
			1	2	3			
			Unit 2 (900)	Unit 1 (950)	Unit 2 (950)			
		2000-2001	2001-2002	2002-2003	2003-2004	Project Total		
HP Turbine Retrofit	PTD/JHN	0	5,505	4,505	0	10,010		
Generator Cooling Enhancements	JPC	0	0	250	250	500		
Isophase Cooling Enhancements	JPC	0	110	197	151	458		
Main Transformer Cooling	JPC	0	0	260	260	520	Capital $/KW	
Boiler Feed Pump Performance Upgrade	PTD	0	108	378	376	862	Uprate	180
Boiler Safety Valve Addition	ECS	0	83	82	0	165		
Boiler Modifications	JHN	0	0	4,010	4,010	8,020	Payback (Years)	
Helper Cooling Tower	AEN/JKH	0	0	5,008	1,004	6,012	Uprate	1.01
HP Heater Drain Line Mods	JHN	0	70	50	0	120		
Cooling Tower Makeup Mods	PJB	0	63	63	0	126	Benefit/Cost Ratio	
PA Fan Motor	JPC	0	0	180	0	180	Uprate	13.7
Totals		0	5,939	14,983	6,051	26,973		
Present Worth (June 30, 2001)		0	5584	13247	5031	23,862		

					Next 17 Years		
Benefit					Benefit Per Year		
Increased Generation		0	810	7358	17213	29565	
Avoided Cost			2152	2152	0	0	
Total Benefit			2962	9510	17213	29565	Total Benefit
Present Worth			2785	8408	14310	302110	532289
Net Generation Increase W/HP Upgrade	25						327612
Net Generation Increase W/Balance of Plant	75						
Cost of Replacement Energy	25						

Project Information and Economic Factors

Life of Project (Years)	20
Cost of Replacement Energy ($/MWH)	$25
Interest Rate	6.35%
Net Generation Increase with HP Turbine Upgrade Only (MW)	25
Net Generation Increase With All Modifications (MW)	75
Fuel Cost Spot Market ($/MBTU)	$1.45
Total Project Cost ($1,000's)	$26,973
Annual Station Capacity Factor	90%

Economic Results

Capital Cost per KW Increase ($/KW)	$180
Payback (Years)	1.01
Benefit/Cost Ratio	13.7
Cost of Additional Power (Mils/KWH) *See Note 2 & 4*	13.6

Performance Comparisons	**Before**	**After**
Station Gross Capacity (MW)	1750	1900
Estimated Unit Gross Heat Rate (BTU/KWH)	9028	8950
Estimated Annual Station Coal Burn (Tons/Year)	5,267,224	5,669,292
Estimated Station Auxiliary Loads (MW)	93	102

Notes:
1. Capital Cost per KW increases equals the total project cost divided by the net generation increase with all modifications
2. Cost of additional power equals capital cost of the project amortized over 20 years plus the cost of the increased fuel burn per year divided by the annual net generation increase with all modifications.
3. Spot market price of fuel is used because the increased coal usage will be purchased outside of the long term contracts.
4. O&M costs are not included in the cost of additional power because it is assumed that they will not increase significantly as a result of the project.

Heat Rate 8900

	Station Annual Coal Burn for Various Capacity Factors and Coal Quality							
Coal BTU/LB	88.00%	89.00%	90.00%	91.00%	92.00%	93.00%	94.00%	95.00%
12000	5,431,492	5,493,214	5,554,935	5,616,657	5,678,378	5,740,100	5,801,821	5,863,543
11950	5,454,218	5,516,198	5,578,177	5,640,157	5,702,137	5,764,117	5,826,096	5,888,076
11900	5,477,135	5,539,375	5,601,615	5,663,855	5,726,095	5,788,336	5,850,576	5,912,816
11850	5,500,245	5,562,748	5,625,251	5,687,753	5,750,256	5,812,759	5,875,262	5,937,765
11800	5,523,551	5,586,319	5,649,086	5,711,854	5,774,622	5,837,389	5,900,157	5,962,925
11750	5,547,056	5,610,090	5,673,125	5,736,160	5,799,195	5,862,229	5,925,264	5,988,299
11700	5,570,761	5,634,065	5,697,369	5,760,673	5,823,977	5,887,282	5,950,586	6,013,890
11650	5,594,670	5,658,246	5,721,821	5,785,397	5,848,973	5,912,549	5,976,125	6,039,700
11600	5,618,785	5,682,635	5,746,484	5,810,334	5,874,184	5,938,034	6,001,884	6,065,734
11550	5,643,109	5,707,235	5,771,361	5,835,487	5,899,614	5,963,740	6,027,866	6,091,992
11500	5,667,644	5,732,049	5,796,454	5,860,859	5,925,264	5,989,669	6,054,074	6,118,479

Notes:
1. Based on an estimated Gross Annual Heat Rate of 8900 BTU/KWH and both units at 950 MWG maximum capacity.
2. Average as-fired coal quality for the first quarter of fiscal year 2002-03 is 11,682 BTU/LB, September only was 11,596 BTU/LB
3. Annual Capacity Factors for the three previous years and the fiscal-year-to-date (7/1/03 to 9/30/03) are as follows
   FYTD 97.35%
   2002-03 89.75%
   2001-02 90.98%
   2000-01 91.65%
4. Assuming 35 days per year for scheduled outages (no forced outages) and a 97% output factor, the capacity factor would be 92.35%.