Docket # 090130

090130

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 080677-EI
FLORIDA POWER & LIGHT COMPANY

IN RE: PETITION FOR RATE INCREASE BY FLORIDA POWER & LIGHT COMPANY

FPL WITNESS KIM OUSDAHL

EXHIBIT KO-8:

FPL'S 2009 DISMANTLEMENT STUDY

VOLUME 1 OF 2

DOCUMENT NUMBER-DATE
02283 MAR 17 08

Florida Power & Light Company

Fossil Dismantlement Studies

Cape Canaveral
Cutler
DeSoto Solar
Fort Lauderdale
Fort Myers
Manatee
Martin
Port Everglades
Putnam
Riviera
Sanford
Scherer
St Johns River
Turkey Point
St. Lucie Wind
West County

2009 Filing

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FPSC-COMMISSION CLERK

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Proposed Entries to Effect Dismantlement Reserve Reallocations per Theoretical Reserve Analysis

Sites/Units [a]	Account [b]	Proposed Journal Entries Debit Site Reserve [c]	Credit Site Reserve [d]
Cape Canaveral			
Common	311		44,271
Unit 1	311	743,512	
Unit 2	311	579,670	
Cutler			
Unit 5	311		56,089
Unit 6	311		101,393
Manatee			
Unit 1	311		248,117
Unit 2	311		242,869
Common [see note (1)]	311		325,536
Martin			
Unit 1	311		76,332
Unit 2	311		76,253
Common [see note (1)]	311		287,067
Port Everglades			
Unit 1	311		466,734
Unit 2	311		594,596
Unit 3	311		48,557
Unit 4	311		10,406
Common	311		390,359
Riviera			
Unit 3	311	1,377,997	
Unit 4	311	1,359,383	
Common	311	647,231	
Sanford			
Unit 3	311		41,712
Scherer			
Common 1 -4	311		301,302
Scherer Common 3 & 4	311		30,602
Scherer Unit 4	311		504,968

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Proposed Entries to Effect Dismantlement Reserve Reallocations per Theoretical Reserve Analysis

Sites/Units [a]	Account [b]	Proposed Journal Entries Debit Site Reserve [c]	Credit Site Reserve [d]
St. Johns River			
Unit 1	311		96,372
Unit 2	311		95,795
Common	311		111,812
Coal & Limestone Eq	311		50,981
Gypsum & Ash Eq	311		11,591
Turkey Point			
Unit 1	311		126,360
Unit 2	311		121,664
Common	311		246,056
Subtotals for Steam Function		4,707,793	4,707,793

Note (1) Some of the Dismantlement Reserve for Martin and Manatee sites is assigned to the combined cycle units in the Other Production function.

Dismantlement Methodology

Controlled dismantlement: In which heavy steel structures and above ground steel are removed by a method that involves pre-cutting key members, lowering them carefully to ground, where they are cut for sale as scrap. This approach is consistent with safety and preservation of equipment.

Dismantlement Study Methodology

Site specific, unit specific cost estimate. The calculation of the removal cost is based on application of a crew labor rate per hour to productivity factors for removal per ton or cubic yard of material. This removal rate is then applied to the weight or volume of material in each line of the equipment inventory. Disposal cost is based on the tipping fees and dumpster charges available at a landfill near the site. Salvage values are obtained from scrap dealers and published data about scrap values. The oil tank costs for soil remediation, tank cleaning and removal are obtained from FPL's Power Generation Division.

Inflation indices from Global Insight are used to inflate the current cost to the expected future amount that will be needed to pay for the dismantlement. The annuity of accruals required to permit recovery of the future cost over the estimated service life of the unit is calculated and the first four years' average is the accrual for the unit. The total of the accruals by unit is the annual dismantlement accrual.

Contingency Calculation

The contingency factor of 16% was calculated using a weighting of assigned estimates on a site by site basis. In Docket 941343-EI, FPSC Staff requested FPL to review the contingency percentage, using to the extent possible, specific contingency factors from the AIF/NESP-036 report that would be applicable to fossil dismantlement activities. The average contingency factor resulting from this review was 16%. This percentage was used to calculate dismantlement accruals approved in Order No. PSC-95-1532-FOF-EI. Review of the contingency factor indicates that it continues to be appropriate and is used in these studies.

Florida Power & Light Company
Fossil Dismantlement Study as of 12/31/09
Current and Proposed Annual Accruals by Site

Plant Sites	Per Docket No. 070378-EI Order No. PSC-08-0095-PAA-EI Annual Accrual	Proposed Annual Accrual effective 1/1/2010	Increase /(Decrease) in Annual Dismantlement Accrual	
Cape Canaveral	434,779	247,429	(187,350)	
Cutler	216,262	378,739	162,477	
Fort Lauderdale	985,269	1,522,432	537,163	
Ft. Myers	1,161,985	1,562,493	400,508	
Manatee	2,255,726	3,129,773	874,047	
Martin	2,327,547	3,152,079	824,532	
Port Everglades	2,566,987	2,989,896	422,909	
Putnam	339,106	447,269	108,163	
Riviera	321,232	143,408	(177,824)	
Sanford	1,374,909	1,769,892	394,983	
Scherer	1,755,506	1,994,347	238,841	
St. Johns River Power Park	807,788	1,061,974	254,186	
Turkey Point	774,017	1,280,458	506,441	
Martin Solar	0	355,867	355,867	
West County Energy Center	0	1,398,705	1,398,705	
St. Lucie Wind Turbines	0	22,169	22,169	
Space Coast Solar	0	36,944	36,944	
DeSoto Solar	0	73,704	73,704	
Total	15,321,113	21,567,578	6,246,465	[1]

[1] Total increase in fossil dismantlement accrual:	6,246,465
Less accrual for solar units recovered through clause	466,515
Increase in Cost of Service due to increase in non-solar dismantlement accrual	5,779,950

Florida Power & Light Company
Fossil Dismantlement Study
Calculation of Jurisdictional Amounts for 2010
2009 Dismantlement Study

	2010 Jurisdictional Factor	0.98036379		
Site/Units	Dismantlement Cost in Current Dollars	Jurisdictional Dismantlement Cost in Current Dollars	Dismantlement Cost in Future Dollars	Jurisdictional Dismantlement Cost in Future Dollars
Cape Canaveral				
Common	8,519,837	8,352,540	8,809,349	8,636,367
Unit 1	4,283,479	4,199,368	4,510,767	4,422,193
Unit 2	3,839,532	3,764,138	4,044,777	3,965,353
Cutler				
Unit 5	4,220,622	4,137,745	6,684,781	6,553,517
Unit 6	6,204,181	6,082,354	9,789,331	9,597,106
Fort Lauderdale				
Unit 4	14,029,089	13,753,611	20,902,809	20,492,357
Unit 5	11,103,919	10,885,880	16,491,818	16,167,981
Gas Turbines	391,527	383,839	718,279	704,175
Fort Myers				
Common	10,997,050	10,781,110	18,959,900	18,587,599
Unit 2	11,529,584	11,303,187	23,658,535	23,193,971
Unit 3	4,391,197	4,304,971	9,934,389	9,739,315
Gas Turbines	2,680,709	2,628,070	4,568,937	4,479,220
Manatee				
Common	28,350,851	27,794,148	47,355,249	46,425,371
Unit 1	15,036,059	14,740,808	24,351,407	23,873,238
Unit 2	15,036,059	14,740,808	24,351,407	23,873,238
Unit 3	6,695,845	6,564,364	15,493,447	15,189,214
Martin				
Common	35,014,591	34,327,037	57,188,327	56,065,365
Unit 1	10,537,015	10,330,108	17,768,360	17,419,457
Unit 2	10,537,015	10,330,108	17,768,360	17,419,457
Unit 3	4,701,360	4,609,043	8,269,714	8,107,328
Unit 4	2,940,050	2,882,319	5,764,977	5,651,775
Unit 8	6,098,960	5,979,200	14,760,407	14,470,569
Solar	7,058,465	6,919,863	20,516,579	20,113,711
Port Everglades				
Common	17,189,907	16,852,362	24,422,119	23,942,561
Unit 1	14,577,805	14,291,552	22,826,431	22,378,206
Unit 2	14,577,805	14,291,552	22,826,431	22,378,206
Unit 3	7,286,170	7,143,097	12,012,961	11,777,072
Unit 4	7,286,170	7,143,097	12,012,961	11,777,072
Gas Turbines	231,672	227,123	634,488	622,029
Putnam				
Common	9,402,670	9,218,037	14,135,246	13,857,683
Unit 1	872,096	854,971	1,629,261	1,597,268
Unit 2	872,096	854,971	1,629,261	1,597,268

Florida Power & Light Company
Fossil Dismantlement Study
Calculation of Jurisdictional Amounts for 2010
2009 Dismantlement Study

	2010 Jurisdictional Factor	0.98036379		
Site/Units	Dismantlement Cost in Current Dollars	Jurisdictional Dismantlement Cost in Current Dollars	Dismantlement Cost in Future Dollars	Jurisdictional Dismantlement Cost in Future Dollars
Riviera				
Common	8,285,982	8,123,277	8,755,806	8,583,875
Unit 3	3,392,125	3,325,517	3,688,326	3,615,901
Unit 4	3,392,125	3,325,517	3,688,326	3,615,901
Sanford				
Common	10,258,950	10,057,503	16,635,554	16,308,895
Unit 3	4,956,922	4,859,587	8,039,649	7,881,781
Unit 4	10,232,708	10,031,776	20,969,748	20,557,982
Unit 5	10,232,708	10,031,776	20,412,805	20,011,975
Scherer				
Common - Units 1 - 4	21,942,445	21,511,579	40,821,262	40,019,687
Common - Units 3 - 4	2,796,884	2,741,964	4,974,674	4,876,990
Unit 4	19,005,611	18,632,413	40,254,548	39,464,101
SJRPP				
Common	11,454,955	11,230,023	18,933,518	18,561,735
Unit 1	4,975,132	4,877,439	10,197,559	9,997,318
Unit 2	4,975,132	4,877,439	10,197,559	9,997,318
Ash Handling Equipment	722,833	708,639	1,292,874	1,267,487
Limestone Handling Equipment	2,674,923	2,622,398	5,095,012	4,994,965
Turkey Point				
Common	9,944,774	9,749,496	18,196,870	17,839,552
Unit 1	4,542,672	4,453,471	7,965,792	7,809,374
Unit 2	4,542,672	4,453,471	7,965,792	7,809,374
Unit 5	6,795,278	6,661,844	17,138,452	16,801,918
West County Energy Center				
Common, Units 1 & 2	18,030,079	17,676,037	46,073,781	45,169,067
Unit 3	4,677,734	4,585,881	14,651,093	14,363,401
DeSoto Solar	1,365,069	1,338,264	3,608,338	3,537,484
Space Coast Solar	724,875	710,641	1,565,713	1,534,968
St. Lucie Wind Turbines	584,770	573,287	1,242,066	1,217,677
Totals	467,000,745	426,284,665	827,156,182	810,913,970

Florida Power & Light Company
Fossil Dismantlement Study
Calculation of Jurisdictional Amounts for 2011
2009 Dismantlement Study

	2011 Jurisdictional Factor	0.98067024		
Site/Units	Dismantlement Cost In Current Dollars	Jurisdictional Dismantlement Cost In Current Dollars	Dismantlement Cost In Future Dollars	Jurisdictional Dismantlement Cost In Future Dollars
Cape Canaveral				
Common	8,519,837	8,355,151	8,809,349	8,639,066
Unit 1	4,283,479	4,200,680	4,510,767	4,423,575
Unit 2	3,839,532	3,765,315	4,044,777	3,966,592
Cutler				
Unit 5	4,220,622	4,139,038	6,684,781	6,555,566
Unit 6	6,204,181	6,084,256	9,789,331	9,600,106
Fort Lauderdale				
Unit 4	14,029,089	13,757,910	20,902,809	20,498,763
Unit 5	11,103,919	10,889,283	16,491,818	16,173,035
Gas Turbines	391,527	383,959	718,279	704,395
Fort Myers				
Common	10,997,050	10,784,480	18,959,900	18,593,410
Unit 2	11,529,584	11,306,720	23,658,535	23,201,221
Unit 3	4,391,197	4,306,316	9,934,389	9,742,360
Gas Turbines	2,680,709	2,628,892	4,568,937	4,480,621
Manatee				
Common	28,350,851	27,802,836	47,355,249	46,439,883
Unit 1	15,036,059	14,745,416	24,351,407	23,880,700
Unit 2	15,036,059	14,745,416	24,351,407	23,880,700
Unit 3	6,695,845	6,566,416	15,493,447	15,193,962
Martin				
Common	35,014,591	34,337,767	57,188,327	56,082,890
Unit 1	10,537,015	10,333,337	17,768,360	17,424,902
Unit 2	10,537,015	10,333,337	17,768,360	17,424,902
Unit 3	4,701,360	4,610,484	8,269,714	8,109,862
Unit 4	2,940,050	2,883,220	5,764,977	5,653,541
Unit 8	6,098,960	5,981,069	14,760,407	14,475,092
Solar	7,058,465	6,922,027	20,516,579	20,119,998
Port Everglades				
Common	17,189,907	16,857,630	24,422,119	23,950,045
Unit 1	14,577,805	14,296,020	22,826,431	22,385,202
Unit 2	14,577,805	14,296,020	22,826,431	22,385,202
Unit 3	7,286,170	7,145,330	12,012,961	11,780,753
Unit 4	7,286,170	7,145,330	12,012,961	11,780,753
Gas Turbines	231,672	227,194	634,488	622,223
Putnam				
Common	9,402,670	9,220,919	14,135,246	13,862,015
Unit 1	872,096	855,239	1,629,261	1,597,768
Unit 2	872,096	855,239	1,629,261	1,597,768

Florida Power & Light Company
Fossil Dismantlement Study
Calculation of Jurisdictional Amounts for 2011
2009 Dismantlement Study

	2011 Jurisdictional Factor	0.98067024		
Site/Units	Dismantlement Cost In Current Dollars	Jurisdictional Dismantlement Cost In Current Dollars	Dismantlement Cost In Future Dollars	Jurisdictional Dismantlement Cost In Future Dollars
Riviera				
Common	8,285,982	8,125,816	8,755,806	8,586,558
Unit 3	3,392,125	3,326,556	3,688,326	3,617,032
Unit 4	3,392,125	3,326,556	3,688,326	3,617,032
Sanford				
Common	10,258,950	10,060,647	16,635,554	16,313,993
Unit 3	4,956,922	4,861,106	8,039,649	7,884,245
Unit 4	10,232,708	10,034,912	20,969,748	20,564,408
Unit 5	10,232,708	10,034,912	20,412,805	20,018,230
Scherer				
Common - Units 1 - 4	21,942,445	21,518,303	40,821,262	40,032,197
Common - Units 3 - 4	2,796,884	2,742,821	4,974,674	4,878,515
Unit 4	19,005,611	18,638,237	40,254,548	39,476,437
SJRPP				
Common	11,454,955	11,233,533	18,933,518	18,567,538
Unit 1	4,975,132	4,878,964	10,197,559	10,000,443
Unit 2	4,975,132	4,878,964	10,197,559	10,000,443
Ash Handling Equipment	722,833	708,861	1,292,874	1,267,883
Limestone Handling Equipment	2,674,923	2,623,217	5,095,012	4,996,527
Turkey Point				
Common	9,944,774	9,752,544	18,196,870	17,845,129
Unit 1	4,542,672	4,454,863	7,965,792	7,811,815
Unit 2	4,542,672	4,454,863	7,965,792	7,811,815
Unit 5	6,795,278	6,663,927	17,138,452	16,807,170
West County Energy Center				
Common, Units 1 & 2	18,030,079	17,681,562	46,073,781	45,183,186
Unit 3	4,677,734	4,587,315	14,651,093	14,367,891
DeSoto Solar	1,365,069	1,338,683	3,608,338	3,538,590
Space Coast Solar	724,875	710,863	1,565,713	1,535,448
St. Lucie Wind Turbines	584,770	573,467	1,242,066	1,218,057
Totals	467,000,745	426,417,917	827,156,182	811,167,452

Florida Power & Light Company
Fossil Dismantlement Study 2009 Filing
Escalation Factors

Global Insight (formerly DRI) Inflation Rates August, 2008

	Compensation per Hour (Non-Farm Business Sector)		Producer Price Index (Intermediate Materials)		GDP Deflator (Implicit)		METAL & METAL PRODUCTS	
YEAR	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2009	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2009	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2009	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2009
1997	3.0%	1.000000	-0.1%	1.000000	1.1%	1.000000	0.6%	1.000000
1998	6.0%	1.000000	-2.1%	1.000000	1.1%	1.000000	-3.0%	1.000000
1999	4.7%	1.000000	0.1%	1.000000	1.4%	1.000000	-2.4%	1.000000
2000	7.1%	1.000000	4.9%	1.000000	2.2%	1.000000	2.7%	1.000000
2001	4.1%	1.000000	0.4%	1.000000	2.4%	1.000000	-2.1%	1.000000
2002	3.6%	1.000000	-1.5%	1.000000	1.7%	1.000000	0.4%	1.000000
2003	4.0%	1.000000	4.6%	1.000000	2.1%	1.000000	2.6%	1.000000
2004	3.6%	1.000000	6.6%	1.000000	2.9%	1.000000	15.8%	1.000000
2005	4.0%	1.000000	8.0%	1.000000	3.3%	1.000000	7.5%	1.000000
2006	3.8%	1.000000	6.4%	1.000000	3.2%	1.000000	12.9%	1.000000
2007	4.1%	1.000000	4.1%	1.000000	2.7%	1.000000	6.5%	1.000000
2008	4.2%	1.000000	13.2%	1.000000	2.3%	1.000000	14.4%	1.000000
2009	3.8%	1.000000	4.1%	1.000000	2.2%	1.000000	4.8%	1.000000
2010	3.5%	1.035000	-0.1%	0.999000	2.0%	1.020000	0.7%	1.007000
2011	3.6%	1.072260	0.8%	1.006992	2.0%	1.040400	1.5%	1.022105
2012	4.0%	1.115150	1.4%	1.021090	2.1%	1.062248	1.4%	1.036414
2013	4.1%	1.160872	0.8%	1.029259	2.0%	1.083493	0.4%	1.040560
2014	4.0%	1.207306	0.4%	1.033376	2.0%	1.105163	0.5%	1.045763
2015	3.9%	1.254391	0.2%	1.035442	2.0%	1.127267	0.7%	1.053083
2016	3.9%	1.303313	0.2%	1.037513	2.0%	1.149812	0.5%	1.058349
2017	3.9%	1.354142	-0.1%	1.036476	2.0%	1.172808	0.4%	1.062582
2018	3.9%	1.406953	-0.1%	1.035439	2.0%	1.196264	0.6%	1.068958
2019	3.8%	1.460418	0.1%	1.036475	2.0%	1.220190	0.3%	1.072164
2020	3.8%	1.515913	0.2%	1.038548	2.1%	1.245813	0.4%	1.076453
2021	3.6%	1.570486	0.2%	1.040625	2.0%	1.270730	0.1%	1.077530
2022	3.4%	1.623883	0.3%	1.043747	1.9%	1.294874	0.1%	1.078607
2023	3.3%	1.677471	0.5%	1.048965	1.9%	1.319476	0.1%	1.079686
2024	3.3%	1.732828	0.4%	1.053161	1.9%	1.344546	0.1%	1.080765
2025	3.3%	1.790011	0.3%	1.056321	1.8%	1.368748	0.1%	1.081846
2026	3.3%	1.849081	0.2%	1.058433	1.8%	1.393386	0.1%	1.082928
2027	3.4%	1.911950	0.3%	1.061609	1.9%	1.419860	0.2%	1.085094
2028	3.3%	1.975044	0.3%	1.064793	1.8%	1.445417	0.1%	1.086179
2029	3.3%	2.040221	0.2%	1.066923	1.8%	1.471435	0.2%	1.088351
2030	3.3%	2.107548	0.3%	1.070124	1.8%	1.497921	0.3%	1.091616
2031	3.2%	2.174990	0.4%	1.074404	1.8%	1.524883	0.4%	1.095983
2032	3.2%	2.244589	0.3%	1.077628	1.8%	1.552331	0.3%	1.099271
2033	3.1%	2.314172	0.3%	1.080860	1.7%	1.578721	0.3%	1.102569
2034	3.2%	2.388225	0.3%	1.084103	1.7%	1.605559	0.3%	1.105876
2035	3.2%	2.464648	0.3%	1.087355	1.7%	1.632854	0.4%	1.110300
2036	3.3%	2.545982	0.3%	1.090617	1.7%	1.660612	0.4%	1.114741

Florida Power & Light Company
Fossil Dismantlement Study 2009 Filing
Escalation Factors

Global Insight (formerly DRI) Inflation Rates August, 2008

	Compensation per Hour (Non-Farm Business Sector)		Producer Price Index (Intermediate Materials)		GDP Deflator (Implicit)		METAL & METAL PRODUCTS	
YEAR	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2009	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2009	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2009	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2009
2037	3.3%	2.629999	0.4%	1.094980	1.7%	1.688842	0.5%	1.120315
2038	3.3%	2.716789	0.5%	1.100455	1.7%	1.717553	0.6%	1.127037
2039	3.3%	2.806443	0.5%	1.105957	1.7%	1.746751	0.6%	1.133799
2040	3.3%	2.899056	0.5%	1.111487	1.7%	1.776446	0.6%	1.140602
2041	3.3%	2.994725	0.5%	1.117044	1.7%	1.806646	0.6%	1.147445
2042	3.3%	3.093550	0.5%	1.122629	1.7%	1.837359	0.6%	1.154330
2043	3.3%	3.195638	0.5%	1.128243	1.7%	1.868594	0.6%	1.161256
2044	3.3%	3.301094	0.5%	1.133884	1.7%	1.900360	0.6%	1.168223
2045	3.3%	3.410030	0.5%	1.139553	1.7%	1.932666	0.6%	1.175233
2046	3.3%	3.522561	0.5%	1.145251	1.7%	1.965521	0.6%	1.182284
2047	3.3%	3.638805	0.5%	1.150977	1.7%	1.998935	0.6%	1.189378
2048	3.3%	3.758886	0.5%	1.156732	1.7%	2.032917	0.6%	1.196514
2049	3.3%	3.882929	0.5%	1.162516	1.7%	2.067477	0.6%	1.203693
2050	3.3%	4.011066	0.5%	1.168328	1.7%	2.102624	0.6%	1.210915
2051	3.3%	4.143431	0.5%	1.174170	1.7%	2.138368	0.6%	1.218181
2052	3.3%	4.280164	0.5%	1.180041	1.7%	2.174720	0.6%	1.225490
2053	3.3%	4.421409	0.5%	1.185941	1.7%	2.211691	0.6%	1.232843
2054	3.3%	4.567316	0.5%	1.191871	1.7%	2.249289	0.6%	1.240240
2055	3.3%	4.718037	0.5%	1.197830	1.7%	2.287527	0.6%	1.247681

Computation of Annual Accrual								
In Service Year	1954	1955	1960	1961	1964	1965	1960	1971
Plant	CUTLER 5	CUTLER 6	PPE 1	PPE 2	PPE 3	PPE 4	PPE CM	PPE GT
Year prior to updating accrual	2009	2009	2009	2009	2009	2009	2009	2009
Capital Recovery Year	2020	2020	2020	2020	2020	2020	2020	2020
Cost @ Study	4,220,622	6,204,181	14,577,805	14,577,805	7,286,170	7,286,170	17,189,907	231,672
Future $ 1st Yr Exp	1,968,810	2,883,677	6,726,373	6,726,373	3,533,165	3,533,165	7,224,083	183,863
Future $ 2nd Yr Exp	4,715,971	6,905,654	16,100,059	16,100,059	8,479,796	8,479,796	17,198,036	450,625
Total Future $ Exp	6,684,781	9,789,331	22,826,431	22,826,431	12,012,961	12,012,961	24,422,119	634,488
Less Dismantlement Reserve	4,816,744	6,769,835	12,368,117	10,578,568	9,000,604	9,470,499	14,697,840	328,808
Net Amount to Accrue	1,868,037	3,019,496	10,458,314	12,247,863	3,012,357	2,542,462	9,724,279	305,680
Capital Recovery Years	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00
Annual Accrual 2010	135,610	219,543	762,287	892,723	214,896	181,374	743,755	17,984
2011	141,439	228,904	794,280	930,191	224,932	189,845	768,101	19,629
2012	147,571	238,752	827,971	969,647	235,492	198,758	793,561	21,369
2013	154,021	249,112	863,453	1,011,200	246,604	208,136	820,192	23,208
TOTAL 2010 - 2013	578,642	936,312	3,247,990	3,803,762	921,924	778,113	3,125,609	82,191
4 YEAR AVERAGE	144,661	234,078	811,997	950,940	230,481	194,528	781,402	20,548
Monthly Accrual	$12,055	$19,507	$67,666	$79,245	$19,207	$16,211	$65,117	$1,712

Functional Description		Proposed Accrual	Current Accrual	Required Increase in Cost of Service
	Fossil	11,647,155	8,966,504	2,680,651
Other Production	including Solar	9,920,422	6,354,609	3,565,813
	less Solar	466,515	0	466,515
Other Production	excluding Solar	9,453,908	6,354,609	3,099,299
Total Proposed Acc	excluding Solar	21,101,062	15,321,113	5,779,949
Less	Accrual 2007-09	15,321,117		
Required Increase in Cost of Service		5,779,945		

Computation of Annual Accrual									
In Service Year	1993	1993	1971	2009	2009	2002	2002	2003	1974
Plant	PFL 4	PFL 5	PFL GT	WCEC 1 & 2 & CM	WEST COUNTY U	PFM CM	PFM 2	PFM 3	PFM GT
Year prior to updating accrual	2009	2009	2009	2009	2009	2009	2009	2009	2009
Capital Recovery Year	2020	2020	2020	2034	2036	2028	2027	2028	2020
Cost @ Study	14,029,089	11,103,919	391,527	18,030,079	4,677,734	10,997,050	11,529,584	4,391,197	2,680,709
Future $ 1st Yr Exp	6,170,151	4,868,289	210,443	13,541,581	4,298,724	5,600,039	6,963,071	2,917,511	1,342,083
Future $ 2nd Yr Exp	14,732,657	11,623,528	507,837	32,532,200	10,352,369	13,359,861	16,695,464	7,016,878	3,226,854
Total Future $ Exp	20,902,809	16,491,818	718,279	46,073,781	14,651,093	18,959,900	23,658,535	9,934,389	4,568,937
Less Dismantlement Reserve	10,341,190	8,033,628	457,952	0	0	10,093,088	5,113,860	1,334,204	2,985,301
Net Amount to Accrue	10,561,619	8,458,190	260,327	46,073,781	14,651,093	8,866,812	18,544,675	8,600,185	1,583,636
Capital Recovery Years	11.00	11.00	11.00	25.00	27.00	19.00	18.00	19.00	11.00
Annual Accrual 2010	788,875	632,503	17,682	1,125,737	0	348,757	714,642	298,390	111,137
2011	818,261	655,884	18,686	1,168,756	157,171	358,946	743,777	311,495	116,680
2012	849,103	680,432	19,747	1,213,492	327,817	369,562	774,169	325,190	122,528
2013	881,478	706,210	20,868	1,260,016	341,831	380,623	805,877	339,499	128,698
TOTAL 2010 - 2013	3,337,716	2,675,029	76,982	4,768,000	826,819	1,457,888	3,038,466	1,274,574	479,043
4 YEAR AVERAGE	834,429	668,757	19,246	1,192,000	206,705	364,472	759,616	318,644	119,761
Monthly Accrual	$69,536	$55,730	$1,604	$99,333	$17,225	$30,373	$63,301	$26,554	$9,980

Computation of Annual Accrual									
In Service Year	1965	1965	1969	2010	1962	1963	1946	1976	1977
Plant	PCC CM	PCC 1	PCC 2	Space Cst Solar	PRV 3	PRV 4	PRV CM	PMT 1	PMT 2
Year prior to updating accrual	2009	2009	2009	2009	2009	2009	2009	2009	2009
Capital Recovery Year	2010	2010	2010	2038	2011	2011	2011	2020	2020
Cost @ Study	8,519,837	4,283,479	3,839,532	724,875	3,392,125	3,392,125	8,285,982	15,036,059	15,036,059
Future $ 1st Yr Exp	2,602,875	1,324,486	1,187,571	1,565,713	1,078,531	1,078,531	2,581,513	7,167,178	7,167,178
Future $ 2nd Yr Exp	6,206,474	3,186,282	2,857,206	0	2,609,795	2,609,795	6,174,294	17,184,229	17,184,229
Total Future $ Exp	8,809,349	4,510,767	4,044,777	1,565,713	3,688,326	3,688,326	8,755,806	24,351,407	24,351,407
Less Dismantlement Reserve	8,018,524	4,410,528	3,946,124	0	3,537,782	3,534,646	8,486,397	14,928,569	14,857,532
Net Amount to Accrue	790,825	100,239	98,653	1,565,713	150,544	153,680	269,409	9,422,838	9,493,875
Capital Recovery Years	1.00	1.00	1.00	29.00	2.00	2.00	2.00	11.00	11.00
Annual Accrual 2010	790,825	100,239	98,653	35,478	73,688	75,223	132,829	678,606	683,722
2011	0	0	0	36,434	76,856	78,457	136,581	709,118	714,464
2012	0	0	0	37,421	0	0	0	741,154	746,742
2013	0	0	0	38,443	0	0	0	774,795	780,636
TOTAL 2010 - 2013	790,825	100,239	98,653	147,775	150,544	153,680	269,409	2,903,672	2,925,563
4 YEAR AVERAGE	197,706	25,060	24,663	36,944	37,636	38,420	67,352	725,918	731,391
Monthly Accrual	$16,476	$2,088	$2,055	$3,079	$3,136	$3,202	$5,613	$60,493	$60,949

Computation of Annual Accrual									
In Service Year	1976	2006	1976	1959	2003	2002	2002	1967	1968
Plant	PMT CM FOSSIL	PMT 3	PMT CM CC	SNFORD 3	SNFORD 4	SNFORD 5	SNFORD CM	PTP 1	PTP 2
Year prior to updating accrual	2009	2009	2009	2009	2009	2009	2009	2009	2009
Capital Recovery Year	2020	2030	2030	2020	2028	2027	2028	2020	2020
Cost @ Study	11,522,221	6,695,845	16,828,630	4,956,922	10,232,708	10,232,708	10,258,950	4,542,672	4,542,672
Future $ 1st Yr Exp	4,864,718	4,553,021	9,123,673	2,366,043	6,172,085	6,011,274	4,919,979	2,337,777	2,337,777
Future $ 2nd Yr Exp	11,583,419	10,940,426	21,783,439	5,673,605	14,797,663	14,401,531	11,715,574	5,628,015	5,628,015
Total Future $ Exp	16,448,137	15,493,447	30,907,112	8,039,649	20,969,748	20,412,805	16,635,554	7,965,792	7,965,792
Less Dismantlement Reserve	7,960,513	5,695,165	12,379,562	6,029,214	3,870,509	4,529,594	9,536,876	4,614,088	4,645,413
Net Amount to Accrue	8,487,624	9,798,282	18,527,550	2,010,435	17,099,239	15,883,211	7,098,678	3,351,704	3,320,379
Capital Recovery Years	11.00	21.00	21.00	11.00	19.00	18.00	19.00	11.00	11.00
Annual Accrual 2010	649,406	303,383	638,581	144,531	622,229	619,814	287,262	233,204	231,024
2011	670,889	315,735	657,373	151,058	646,205	644,091	294,698	245,402	243,108
2012	693,268	328,599	676,888	157,919	671,191	669,409	302,449	258,228	255,815
2013	716,585	341,997	697,155	165,133	697,233	695,816	310,529	271,717	269,177
TOTAL 2010 - 2013	2,730,148	1,289,713	2,669,997	618,640	2,636,858	2,629,130	1,194,938	1,008,550	999,124
4 YEAR AVERAGE	682,537	322,428	667,499	154,660	659,214	657,283	298,735	252,138	249,781
Monthly Accrual	$56,878	$26,869	$55,625	$12,888	$54,935	$54,774	$24,895	$21,011	$20,815

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Computation of Annual Accrual									
In Service Year	1967	2007	1980	1981	1980	1994	1994	2001	1980
Plant	PTP CM	PTP 5	MARTIN 1	MARTIN 2	MARTIN U1/2 COM	MARTIN 3	MARTIN 4	MARTIN 8	MARTIN COM
Year prior to updating accrual	2009	2007	2009	2009	2009	2009	2009	2009	2009
Capital Recovery Year	2032	2032	2020	2020	2020	2020	2020	2030	2030
Cost @ Study	9,944,774	6,795,278	10,537,015	10,537,015	15,779,350	4,701,360	2,940,050	6,098,960	19,235,241
Future $ 1st Yr Exp	5,374,848	5,035,159	5,221,633	5,221,633	6,661,622	2,426,687	1,685,637	4,334,665	10,231,019
Future $ 2nd Yr Exp	12,822,022	12,103,293	12,546,727	12,546,727	15,867,099	5,843,027	4,079,340	10,425,742	24,428,586
Total Future $ Exp	18,196,870	17,138,452	17,768,360	17,768,360	22,528,722	8,269,714	5,764,977	14,760,407	34,659,605
Less Dismantlement Reserve	8,450,685	982,169	11,856,074	11,731,844	12,474,802	4,322,196	2,898,437	3,611,757	18,509,416
Net Amount to Accrue	9,746,185	16,156,283	5,912,286	6,036,516	10,053,920	3,947,518	2,866,540	11,148,650	16,150,189
Capital Recovery Years	23.00	25.00	11.00	11.00	11.00	11.00	11.00	21.00	21.00
Annual Accrual 2010	305,705	432,366	417,732	426,510	767,533	274,215	190,431	323,779	558,928
2011	313,846	450,508	438,109	447,314	792,999	288,641	202,334	339,447	574,869
2012	322,285	469,385	459,552	469,208	819,617	303,816	214,872	355,767	591,463
2013	331,036	489,027	482,119	492,249	847,444	319,780	228,082	372,766	608,736
TOTAL 2010 - 2013	1,272,872	1,841,285	1,797,512	1,835,281	3,227,594	1,186,453	835,719	1,391,759	2,333,996
4 YEAR AVERAGE	318,218	460,321	449,378	458,820	806,899	296,613	208,930	347,940	583,499
Monthly Accrual	$26,518	$38,360	$37,448	$38,235	$67,242	$24,718	$17,411	$28,995	$48,625

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Computation of Annual Accrual									
In Service Year	2009	1978	1977	1977	2009	2009	1987	1988	1987
Plant	MARTIN SOLAR	PUTNAM 1	PUTNAM COM	PUTNAM 2	DESOTO SOLAR	St. Lucie WT	SJRPP 1	SJRPP 2	SJRPP COM
Year prior to updating accrual	2009	2009	2009	2009	2009	2009	2009	2009	2009
Capital Recovery Year	2039	2020	2020	2020	2039	2034	2028	2028	2028
Cost @ Study	7,058,465	872,096	9,402,670	872,096	1,365,069	584,770	4,975,132	4,975,132	11,454,955
Future $ 1st Yr Exp	6,027,445	477,116	4,171,478	477,116	1,061,223	366,196	3,001,539	3,001,539	5,597,571
Future $ 2nd Yr Exp	14,489,134	1,152,145	9,963,768	1,152,145	2,547,115	875,871	7,196,020	7,196,020	13,335,946
Total Future $ Exp	20,516,579	1,629,261	14,135,246	1,629,261	3,608,338	1,242,066	10,197,559	10,197,559	18,933,518
Less Dismantlement Reserve	0	999,997	9,625,017	1,009,062	0	0	4,176,509	4,066,121	8,437,202
Net Amount to Accrue	20,516,579	629,264	4,510,229	620,199	3,608,338	1,242,066	6,021,050	6,131,438	10,496,316
Capital Recovery Years	30.00	11.00	11.00	11.00	30.00	25.00	19.00	19.00	19.00
Annual Accrual 2010	191,160	42,606	335,197	41,992	70,146	0	219,160	223,178	421,234
2011	396,172	45,083	347,975	44,434	72,457	17,097	227,605	231,778	432,575
2012	410,577	47,693	361,406	47,006	74,858	35,245	236,405	240,740	444,388
2013	425,558	50,442	375,525	49,715	77,355	36,336	245,576	250,078	456,697
TOTAL 2010 - 2013	1,423,468	185,824	1,420,102	183,147	294,816	88,677	928,746	945,773	1,754,894
4 YEAR AVERAGE	355,867	46,456	355,026	45,787	73,704	22,169	232,187	236,443	438,724
Monthly Accrual	$29,656	$3,871	$29,585	$3,816	$6,142	$1,847	$19,349	$19,704	$36,560

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Computation of Annual Accrual						
In Service Year	1989	1988	1989	1989	1989	
Plant	SJRPP C&L	SJRPP ASH&G	SCHERER CMN	SCHERER 3&4	SCHERER 4	ALL PLANTS
Year prior to updating accrual	2009	2009	2009	2009	2009	#N/A
Capital Recovery Year	2028	2028	2029	2029	2029	#N/A
Cost @ Study	2,674,923	722,833	21,942,445	2,796,884	19,005,611	467,000,745
Future $ 1st Yr Exp	1,502,082	381,777	12,039,992	1,469,953	11,844,232	244,743,487
Future $ 2nd Yr Exp	3,592,931	911,098	28,781,270	3,504,720	28,410,316	582,412,699
Total Future $ Exp	5,095,012	1,292,874	40,821,262	4,974,674	40,254,548	827,156,186
Less Dismantlement Reserve	1,989,636	522,955	16,077,411	2,076,010	13,623,252	364,811,826
Net Amount to Accrue	3,105,376	769,919	24,743,851	2,898,664	26,631,296	462,344,360
Capital Recovery Years	19.00	19.00	20.00	20.00	20.00	
Annual Accrual 2010	116,989	29,963	886,139	107,305	899,503	20,886,361
2011	121,033	30,896	914,202	110,444	933,995	21,041,258
2012	125,242	31,865	943,478	113,698	969,987	21,742,797
2013	129,623	32,870	974,019	117,071	1,007,547	22,599,892
TOTAL 2010 - 2013	492,888	125,594	3,717,838	448,518	3,811,032	86,270,308
4 YEAR AVERAGE	123,222	31,398	929,459	112,130	952,758	21,567,577
Monthly Accrual	$10,268	$2,617	$77,455	$9,344	$79,397	$1,797,298

Future Dismantlement Expenditures by Year per Dismantlement Study Filed March, 2009 by Florida Power & Light

Year	Projected Dismantlement Expenditures
2010	5,114,932
2011	16,988,537
2012	11,393,884
2025	97,954,068
2026	234,553,362
2027	0
2028	0
2029	0
2030	0
2031	0
2032	12,974,345
2033	64,191,117
2034	104,476,168
2035	88,938,684
2036	67,578,193
2037	10,410,007
2038	26,491,028
2039	13,907,777
2040	33,408,071
2041	4,298,724
2042	10,352,369
2044	7,088,668
2045	17,036,249
Total	827,156,183

Reconciliation of Changes in Dismantlement Accrual (Approved in Docket 070378-EI, per Order Number PSC-08-0095-PAA-EI) and Dismantlement Accrual Proposed in 2009 Filing.

Description	Amount (millions of $)
Currently approved dismantlement accrual (from 2007 filing):	$15.3
Effect of Updating for Aug 2008 GI Inflation rates:	(1.0)
Current accrual adjusted for change in inflation rates per Global Insight	14.3
Estimated effect of updates for new rates for:	
Burial Costs	0.2
Labor Costs	3.7
Fuel Oil Tank Removal Costs	1.1
Economic Recovery Date Changes at PCC and PRV	(0.3)
Other e.g., Seeding & Grading/Site Management, etc.	0.6
Change in Salvage value of scrap metal	0
Proposed Accrual related to existing plants:	19.6
Effect on Dismantlement Accrual of new sites not included in 2007 filing	
West County Energy Center Units 1 and 2 & Common [in-service 2009]:	1.2
New Solar Units [in-service in 2009 and 2010]	0.4
Effect on (4 year average) Accrual of WCEC Unit 3 [in-service 2011]	0.2
Effect on (4 year average) Accrual of 6 wind turbines [in-service in 2011]	0.1
Annual Dismantlement Accrual Adjusted for New Units:	21.5
Less amount to be recovered through ECRC clauses	0.4
Proposed Dismantlement Accrual (through rates) for Years 2010 - 2013:	$21.1
Required Increase in Cost of Service	**$5.8**

Cape Canaveral Plant

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Cape Canaveral Plant

The Cape Canaveral Plant is located on an 81.6-acre site in Brevard County on the west bank of the Indian River. This site is approximately 8 miles north of the city of Cocoa, Florida. There are two generating units, a switchyard, and related facilities for a commercial generating station. The original Bechtel Corporation plant design for Units No. 1 and 2 was for oil-fired operation with provisions for future conversion to natural gas or coal. The units have a once through cooling system using the Indian River for both intake and discharge. The two units have a combined nameplate rating of 804 megawatts. Units No. 1 and 2 went into commercial operation during 1965 and 1969, respectively. For purposes of this study, the economic recovery dates for these units are as follows:

Unit	Year
Unit 1:	2010
Unit 2:	2010
Common:	2010

The dismantlement of the plants is assumed to begin immediately on their removal from service to accommodate the modernization schedule.

The units are normally fueled by natural gas, but alternatively can be operated by #6 heavy oil. Fuel oil is provided primarily through pipeline, but can also be fed from barges or ships via the Indian River. Florida Gas Transmission is connected to the Metering Station on the site providing fuel gas. Emission control is effected through mechanical collectors and through use of low sulfur fuel.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Cape Canaveral Units in Docket No. 070378-EI; Order No. PSC-08-0095-PAA-EI, issued on February 14, 2008. The accruals became effective as of January 1, 2007.

Space Coast Solar Energy Center

Space Coast Solar Energy Center is located at the NASA Kennedy Space Center (NASA-KSC) near Cape Canaveral, Florida. The 10 MW facility is expected to go in-service by the end of 2009 and will be a photovoltaic (PV) power plant. The NASA Kennedy Space Center and Florida Power & Light have entered into a lease for property encompassing about 60 acres, for the purpose of developing and operating this PV facility to generate renewable energy for use and distribution by both FPL and NASA-KSC.

Due to the early stage of construction of the Space Coast solar station, the equipment list and related information used for the development of its dismantlement calculation is not, at this point, definitive and will be need to be updated and improved upon in future dismantlement studies.

Space Coast Solar Energy Center (continued)

This filing is the first time that Florida Power & Light has requested dismantlement accruals for the Space Coast Solar Energy Center.

The economic recovery date of this solar energy station is 2038, which is the end of Florida Power & Light's lease. The lease requires that dismantlement of the facility is to be completed within 180 days of July 31st, 2038, the lease expiration date.

CAPE CANAVERAL
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Cape Canaveral Common				
	Production Plant				
311	Structures and Improvements	418,053	2,122,538	342,258	2,198,333
312	Boiler Plant Equipment	0	0	0	0
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	8,186	0	19,080	(10,894)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	426,238	2,122,538	361,338	2,187,438
	Other Site Costs:				
	Site Management Expenses	847,476			847,476
	Asbestos Abatement Costs	10,000			10,000
	Other Site Contamination & Special Waste	475,848			475,848
	Intake & Discharge Backfill	88,256			88,256
	Grading & Seeding	2,613,056			2,613,056
	Subtotal	4,034,636	0	0	4,034,636
	Total Common excluding M&S	4,460,874	2,122,538	361,338	6,222,074
	Contingency - 16%	713,740	339,606		1,053,346
	Total Cape Canaveral Common	5,174,614	2,462,144	361,338	7,275,420
	Unusable M&S Inventory	1,073,222	0	107,322	965,900
	Total Common Including Unusable M&S	6,247,836	2,462,144	468,660	8,241,320
	Cape Canaveral Unit 1				
311	Structures and Improvements	1,290,536	432,498	318,476	1,404,558
312	Boiler Plant Equipment	2,637,779	400,125	981,889	2,056,015
314	Turbogenerator Units	885,796	133,262	1,182,592	(163,534)
315	Accessory Electrical Equipment	351,002	73,593	591,565	(166,971)
316	Miscellaneous Equipment	57,739	0	21,703	36,036
	Subtotal	5,222,852	1,039,478	3,096,226	3,166,104
	Contingency - 16%	835,656	166,317		1,001,973
	Total Cape Canaveral Unit 1	6,058,508	1,205,795	3,096,226	4,168,077
	Cape Canaveral Unit 2				
311	Structures and Improvements	1,033,581	423,992	217,010	1,240,562
312	Boiler Plant Equipment	2,377,145	384,041	882,476	1,878,710
314	Turbogenerator Units	915,356	137,396	1,155,635	(102,883)
315	Accessory Electrical Equipment	347,952	68,094	607,044	(190,998)
316	Miscellaneous Equipment	3,256	0	775	2,481
	Subtotal	4,677,290	1,013,523	2,862,940	2,827,873
	Contingency - 16%	748,366	162,164		910,530
	Total Cape Canaveral Unit 2	5,425,657	1,175,686	2,862,940	3,738,403
	Total Fossil Dismantlement Costs	17,732,001	4,843,625	6,427,827	16,147,799
	Space Coast Solar				
343	Prime Movers	342,976	44,239	77,377	309,838
345	Accessory Electrical Equipment	6,564	0	7,992	(1,429)
	Subtotal	349,540	44,239	85,369	308,409
	Contingency - 16%	55,926	7,078		63,005
	Space Coast Solar Unit	405,466	51,317	85,369	371,414
	Other Site Costs:				
	Site Management Expenses [six months]	282,492			282,492
	Contingency - 16%	0			0
	Subtotal	282,492			282,492
	Contingency - 16%	45,199			45,199
		327,691	0	0	327,691
	Total Cost Space Coast Solar	733,157	51,317	85,369	699,104

CAPE CANAVERAL
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Cape Canaveral Common	3,104,768	3,143,067	2,462,144	468,660	8,241,319
Cape Canaveral Unit 1	3,635,105	2,423,403	1,205,795	3,096,226	4,168,077
Cape Canaveral Unit 2	3,255,394	2,170,263	1,175,686	2,862,940	3,738,403
Total Fossil	9,995,267	7,736,733	4,843,625	6,427,827	16,147,798
Space Coast Solar	439,894	293,263	51,317	85,369	699,104

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

CAPE CANAVERAL DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The fuel oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits.

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

An expandable grout will be used to remove the turbine pedestals. The chimneys will be control-blasted.

Scrap will be unprepared i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. The contingency percentage covers costs associated with delays occurring after dismantlement begins due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages of this dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

CAPE CANAVERAL DISMANTLEMENT ASSUMPTIONS (continued)

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However, the dismantlement cost of substation equipment is not included in this study so as to avoid duplicating recovery of expense already included in the net salvage factor of the substation plant accounts' depreciation rates.

The dismantlement of the plants is assumed to begin immediately on their removal from service to accommodate the modernization schedule. The economic recovery dates for Cape Canaveral units are as follows:

Units	Economic Recovery Date
Unit 1	2010
Unit 2	2010
Common Plant	2010

Asbestos at Cape Canaveral plant has been almost completely abated. FPL's Environmental Department recently had a survey done of asbestos at our production plants. It was determined that a minimal amount of asbestos insulation is in use at Cape Canaveral. It is estimated that the cost of abating this small quantity of asbestos is $10,000.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove hazardous materials; i.e., leads (alkaline), acids, solvents, lubricants, oils, chemicals, and gasses.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines and backfill trenches.
- Remove main steam, hot and cold piping, downcomers, valves, and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove intake and discharge structures, equipment pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS
(Continued)

- Remove gas supply metering site, valve stations, underground distribution system.
- Remove solid and liquid wastes from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove fuel oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

DISMANTLING ACTIVITIES: SOLAR UNITS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, equipment foundations, substructures, support buildings. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.
- Remove top soil/gravel, backfill, and remove foundation.
- Backfill, site grading, seeding and mulching.

CAPE CANAVERAL DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the Cape Canaveral Plant. The net salvage value of the demolition is the net of the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$38.69	X	6	=	$232.13
Foreman	$49.12	X	1	=	$49.12
Heavy Equipment Operator	$46.81	X	1	=	$46.81
Total Cost per hour of 8 man crew					$328.05
Cost per man hour		$328.05	/	8 =	$41.01

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator				34,370.00
Front End Loader				6,824.90
Cutting Equipment				231.51
Total per month				41,426.41
41,426.41	/	176	hours per month =	235.38
Cost per man hour		$235.38	/ 8 =	$29.42
Plus: amount for small tools				1.00
Total Cost per man hour				$30.42

CAPE CANAVERAL DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$41.01
Equipment	30.42
Total	$71.43
Rounded	$71.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$76.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from the Cape Canaveral site are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$71.00	2.50 MH / Ton	$177.50 / Ton
Heavy Steel (2)	$71.00	3.30 MH / Ton	$234.30 / Ton
General Steel	$71.00	4.40 MH / Ton	$312.40 / Ton
Light Steel	$71.00	7.10 MH / Ton	$504.10 / Ton
Concrete	$76.00	0.48 MH / CY	$36.48 / CY
Reinforced Concrete	$76.00	1.20 MH / CY	$91.20 / CY
Copper-Elect. Cable & Generator Leads &	$71.00	12.00 MH / Ton	$852.00 / Ton
Copper - Generator	$71.00	9.80 MH / Ton	$695.80 / Ton
Copper - Transformer	$71.00	7.40 MH / Ton	$525.40 / Ton
General Insulation	$71.00	1.00 MH / CY	$71.00 / CY
Inground Pipe-Metal(3)	$71.00	6.00 MH / Ton	$426.00 / Ton
Concrete Pipe	$76.00	4.60 MH / Ton	$349.60 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Brevard County Landfill. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of $23.66 per ton and the dumpster charge of $442.05 per haul for a 20 cubic yard (3 tons deductible) and $498.09 per haul for a 30 cubic yard (4 tons deductible).

CAPE CANAVERAL DISMANTLEMENT STUDY

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system and are located appropriately in the detailed spreadsheets.

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Truck Cost	$442.05	/ haul	X	1 haul	=	$442.05
Tipping Fees	$23.66	/ ton	X	27.5 tons	=	$650.65
Total Cost per round Trip						$1,092.70
Cost per Cubic Yard	$1,092.70	/ 15.38 cubic yards =				$71.05
Plus 10% contractor profit						$7.10
Total Cost per Cubic Yard						$78.15
Rounded Cost per Cubic Yard						$78.00

Insulation - Calcium Silicate (Non-Hazardous)

A trailer with a 30 cubic yard capacity is used for insulation because of its lighter weight. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons.

Truck Cost	$498.09	/ haul	X	1 haul	=	$498.09
Tipping Fees	$23.66	/ ton	X	0.00 tons	=	$0.00
Total Cost per round Trip						$498.09
Cost per Cubic Yard	$498.09	/ 27 cubic yards =				$18.45
Plus 10% contractor profit						$1.84
Total Cost per Cubic Yard						$20.29
Rounded Cost per Cubic Yard						$20.00

CAPE CANAVERAL DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by published data and conversations with scrap metals dealers.The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month. These expenses are assumed to be incurred over the 18 month dismantlement period assumed for the Cape Canaveral Plant. NASA-KSC site is to be dismantled within 180 days of lease expiration. FPL's management costs include administration, engineering, permit costs, etc. Contractors' expenses include field management supervision, security, etc.

Site Management Expenses per month	$47,082
Number of months	18
Total Site Management Expenses	$847,476

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. Construction Estimating has updated the costs. The charge for the Intake is $44,128; the cost for the discharge is $35,115. Cape Canaveral has two Intakes and no Discharges.

	Cost/Structure	Quantity	Totals
Intake	$44,128	2	$88,256
Discharge	$35,115	0	$0
			$88,256

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is $63,578 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Cape Canaveral Acreage to be graded and seeded	41.10
Cost Factor	$63,578
Total Grading and Seeding Expense	$2,613,056

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At Cape Canaveral, the following cost estimates have been identified:

Description	Amount
Asbestos	$10,000
Lead in paint	300
Basins Clean Out/Material	50,000
Special Waste	94,145
Tanks/Washwater	106,053
Soil/Other Contamination	225,350
Total	$485,848

CAPE CANAVERAL DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
CAPE CANAVERAL COMMON									
FERC Account 311									
Dock	CY	1	180.00	36.48	6,566	78.00	14,040	0.00	0
Hose Handling Structure	TN	1	1.37	312.40	428	0.00	0	120.00	164
Fuel Oil Storage Tank (268,000 b	TN	3	2,406.00	n/a	153,408	0.00	0	120.00	288,720
Cleaning Fuel Oil Storage Tanks				n/a	0	n/a	1,500,000	0.00	0
Remove Sand Base - Fuel Oil Storage Tanks				n/a	0	n/a	346,656	0.00	0
Light Oil Tank 142 bbls				n/a	6,818	0.00	0	0.00	0
Cleaning Light Oil Tank				n/a	n/a	n/a	6,109	n/a	0
Soil Remediation - Light Oil Tank				n/a	n/a	n/a	4,673	n/a	0
Demolition of Concrete Foundation				n/a	n/a	n/a	11,391	n/a	0
Water Treatment Area Slab	CY	1	267.00	91.20	24,350	78.00	20,826	0.00	0
Water Treatment Equipment	TN	1	54.00	312.40	16,870	0.00	0	120.00	6,480
Railroad	TN	1	193.72	234.30	45,389	0.00	0	120.00	23,246
Concrete Pavement	CY	1	2,800.00	36.48	102,144	78.00	218,400	0.00	0
Septic Tank	CY	1	5.68	91.20	518	78.00	443	0.00	0
Sewer System	TN	1	8.15	312.40	2,546	0.00	0	120.00	978
Service Water Tank - Elevated (1	TN	1	135.09	312.40	42,202	0.00	0	120.00	16,211
Service Water Tank (100,000 gl)	TN	1	16.22	312.40	5,067	0.00	0	120.00	1,946
Elevator	TN	1	37.60	312.40	11,746	0.00	0	120.00	4,512
Total Account 311					418,053		2,122,538		342,258
FERC Account 315									
Startup Transformer	TN	1	9.00	504.10	4,537	0.00	0	120.00	1,080
Transformer Copper	TN	1	3.60	525.40	1,891	0.00	0	5,000.00	18,000
Storage Batteries & Equipment	TN	1	7.50	234.30	1,757	0.00	0	0.00	0
Total Account 315					8,186		0		19,080
TOTAL CAPE CANAVERAL COMMON					426,238		2,122,538		361,338
CAPE CANAVERAL UNIT 1									
FERC Account 311									
Improvements to Site									
Manholes and Catch Basins	CY	1	10.15	36.48	370	78.00	792	0.00	0
Subtotal					370		792		0
Circulating and Service Water System									
Piping	TN	1	476.70	312.40	148,921	0.00	0	120.00	57,204
Intake Cooling Water Pumps	TN	2	201.60	312.40	62,980	0.00	0	120.00	24,192
Intake Structure - Concrete	CY	1	1,046.00	91.20	95,395	78.00	81,588	0.00	0
Intake & Discharge Structure - Cc	TN	1	854.00	312.40	266,790	0.00	0	120.00	102,480
Wingwalls and Skimmer Walls	CY	1	28.00	91.20	2,554	78.00	2,184	0.00	0
Superstructure	TN	1	37.00	234.30	8,669	0.00	0	120.00	4,440
Discharge Structure - Concrete	CY	1	320.00	91.20	29,184	78.00	24,960	0.00	0
Grills, Screens and Hoists	TN	2	28.20	312.40	8,810	0.00	0	120.00	3,384
Subtotal					623,302		108,732		191,700

CAPE CANAVERAL DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Station Structures									
Concrete Pedestal Mat	CY	1	1,152.00	91.20	105,062	78.00	89,856	0.00	0
Structural Steel	TN	1	322.00	234.30	75,445	0.00	0	120.00	38,640
Miscellaneous Steel	TN	1	147.80	312.40	46,173	0.00	0	120.00	17,736
Floors - Concrete	CY	1	1,408.00	91.20	128,410	78.00	109,824	0.00	0
Platforms and Stairs	TN	1	35.00	312.40	10,934	0.00	0	120.00	4,200
Concrete Roof Slabs	CY	1	133.00	91.20	12,130	78.00	10,374	0.00	0
Cranes and Hoists	TN	1	123.00	312.40	38,425	0.00	0	120.00	14,760
Concrete Footings, Piers and Gra	CY	1	1,061.00	91.20	96,763	78.00	82,758	0.00	0
Subtotal					513,341		292,812		75,336
Fuel & Ash Structures									
Ash Water Pumps	TN	2	0.62	91.20	57	0.00	0	120.00	74
Ash Disposal Lines	CY	1	10.70	36.48	390	78.00	835	0.00	0
Concrete	CY	1	103.00	91.20	9,394	78.00	8,034	0.00	0
Fuel Oil Transfer Pumps	TN	2	2.46	312.40	769	0.00	0	120.00	295
Fuel Oil Storage Tank Heater	TN	3	31.05	312.40	9,700	0.00	0	120.00	3,726
Fuel Oil Piping	TN	1	394.54	312.40	123,254	0.00	0	120.00	47,345
Fuel Oil Piping Supports	CY	1	273.00	36.48	9,959	78.00	21,294	0.00	0
Subtotal					153,522		30,163		51,440
Total Account 311					1,290,536		432,498		318,476
FERC Account 312									
Boiler Plant Equipment									
Fuel Oil Equipment									
Fuel Oil Metering Tank (12,000 bl	TN	1	50.60	n/a	17,045	0.00	0	120.00	6,072
Cleaning Fuel Oil Metering Tank				n/a	0	n/a	70,000	n/a	0
Fuel Oil Metering Tank Foundation				n/a	35,306	n/a	0	n/a	0
Fuel Oil Metering Tank - Soil Remediation				n/a	0	n/a	14,485	n/a	0
Burner Pumps	TN	7	10.50	312.40	3,280	0.00	0	120.00	1,260
Concrete Foundations and Firewa	CY	1	929.00	91.20	84,725	78.00	72,462	0.00	0
Forced Draft Fans and Motors	TN	2	77.00	234.30	18,041	0.00	0	120.00	9,240
Forced Draft Fan Air Ducts	TN	1	82.00	312.40	25,617	0.00	0	120.00	9,840
Insulation for FD Fan Air Ducts	CY	1	450.00	71.00	31,950	20.00	9,000	0.00	0
Fuel Oil Pumps	TN	5	40.25	312.40	12,574	0.00	0	120.00	4,830
Fuel Oil Heaters	TN	30	396.00	312.40	123,710	0.00	0	120.00	47,520
Subtotal					352,248		165,947		78,762
Boiler Equipment									
Boiler Frame and Platforms	TN	1	1,465.00	234.30	343,250	0.00	0	120.00	175,800
Concrete	CY	1	19.00	91.20	1,733	78.00	1,482	0.00	0
Boiler - including:	TN	1	3,554.00	234.30	832,702	0.00	0	120.00	426,480
Drum									
Waterwall, Downcomers & Tubes									
Piping, Valves & Silencers									
Radiant & Convection Superheaters									
Reheater									
Economizer									
Sootblowers									
Insulation	CY	1	1,760.00	71.00	124,960	20.00	35,200	0.00	0
Insulation - Asbestos	CY	0	0.00	0.00	0	0.00	0	0.00	0
Air Preheater	TN	2	540.00	234.30	126,522	0.00	0	120.00	64,800

CAPE CANAVERAL DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Subtotal					1,429,167		36,882		667,080
Boiler Plant Auxiliaries									
L.P. Feedwater Heater #1	TN	1	21.10	312.40	6,592	0.00	0	120.00	2,532
L.P. Feedwater Heater #2	TN	1	15.30	312.40	4,780	0.00	0	120.00	1,836
L.P. Feedwater Heater #3	TN	1	11.85	312.40	3,702	0.00	0	120.00	1,422
L.P. Feedwater Heater #4	TN	1	15.10	312.40	4,717	0.00	0	120.00	1,812
L.P. Feedwater Heater #5	TN	1	17.85	312.40	5,576	0.00	0	120.00	2,142
H.P. Feedwater Heater #6	TN	1	50.95	234.30	11,938	0.00	0	120.00	6,114
H.P. Feedwater Heater #7	TN	1	67.45	234.30	15,804	0.00	0	120.00	8,094
Boiler Feed Pumps (including mo	TN	2	54.00	312.40	16,870	0.00	0	120.00	6,480
Condensate Storage Tank (150,0	TN	1	41.25	312.40	12,887	0.00	0	120.00	4,950
Condensate Storage Tank Found	CY	1	105.00	91.20	9,576	78.00	8,190	0.00	0
Condensate Recovery Tank (2,9C	TN	1	2.00	312.40	625	0.00	0	120.00	240
Condensate Recovery Flash Tanl	TN	1	0.50	312.40	156	0.00	0	120.00	60
Condensate Recovery Pump	TN	1	0.09	312.40	28	0.00	0	120.00	11
Boiler Fill Pump	TN	1	0.18	312.40	56	0.00	0	120.00	22
Heater Drain Pump	TN	1	0.65	312.40	203	0.00	0	120.00	78
Blow Down Tank (1,700 gl)	TN	1	1.00	312.40	312	0.00	0	120.00	120
Subtotal					93,821		8,190		35,912
Boiler Plant Piping									
Main Steam Piping	TN	1	115.07	312.40	35,948	0.00	0	120.00	13,808
Hot Reheat Piping	TN	1	78.43	312.40	24,502	0.00	0	120.00	9,412
Cold Reheat Piping	TN	1	87.48	312.40	27,329	0.00	0	120.00	10,498
Extraction Steam Piping	TN	1	36.83	312.40	11,506	0.00	0	120.00	4,420
Boiler Feed Piping	TN	1	118.56	312.40	37,038	0.00	0	120.00	14,227
Air Evacuation Piping	TN	1	21.86	312.40	6,829	0.00	0	120.00	2,623
Saturated Auxiliary Steam Piping	TN	1	131.21	312.40	40,990	0.00	0	120.00	15,745
Service & Cooling Water Piping	TN	1	69.12	312.40	21,593	0.00	0	120.00	8,294
Instrument, Sampling & Control P	TN	1	317.45	312.40	99,171	0.00	0	120.00	38,094
Condensate Piping	TN	1	186.79	312.40	58,353	0.00	0	120.00	22,415
Subtotal					363,259		0		139,536
Induced Draft Equipment									
Stack Breeching	TN	1	110.00	234.30	25,773	0.00	0	120.00	13,200
Stack	CY	1	1,625.00	91.20	148,200	78.00	126,750	0.00	0
Dust Collectors	TN	1	174.00	234.30	40,768	0.00	0	120.00	20,880
Concrete Stack Foundation	CY	1	802.00	91.20	73,142	78.00	62,556	0.00	0
Subtotal					287,884		189,306		34,080
Miscellaneous Steel & Equipment	TN	1	220.99	504.10	111,401	0.00	0	120.00	26,519
Total Account 312					2,637,779		400,125		981,889
FERC Account 314									
Turbo-Generator Units									
Pedestal Concrete	CY	1	1,529.00	91.20	139,445	78.00	119,262	0.00	0
Inserts & Anchor Bolts	TN	1	8.62	312.40	2,693	0.00	0	120.00	1,034
Turbo-Generator Unit	TN	1	648.00	177.50	115,020	0.00	0	120.00	77,760
Turbine Piping	TN	1	260.00	312.40	81,224	0.00	0	120.00	31,200
Turbine Insulation	CY	1	700.00	71.00	49,700	20.00	14,000	0.00	0
Turbine Generator Copper	TN	1	58.50	695.80	40,704	0.00	0	5,000.00	292,500

CAPE CANAVERAL DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Reinforcing Steel	TN	1	135.50	312.40	42,330	0.00	0	120.00	16,260
Subtotal					471,116		133,262		418,754
Condensers and Auxiliaries									
Condenser Shell	TN	1	867.50	234.30	203,255	0.00	0	120.00	104,100
Condenser - Aluminum-Brass Tul	TN	1	224.50	525.40	117,952	0.00	0	2,800.00	628,600
Circulating Water Pumps and Mo	TN	2	141.08	312.40	44,073	0.00	0	120.00	16,930
Condensate Pumps and Motors	TN	2	30.16	312.40	9,422	0.00	0	120.00	3,619
Lube Oil Tank (1,900 gl)	TN	1	23.50	312.40	7,341	0.00	0	120.00	2,820
Subtotal					382,044		0		756,069
Miscellaneous Steel & Equipment	TN	1	64.74	504.10	32,635	0.00	0	120.00	7,769
Total Account 314					885,796		133,262		1,182,592
FERC Account 315									
Accessory Electrical Equipment									
Foundations & Structures									
Equipment Foundations - Concrel	CY	1	148.50	91.20	13,543	78.00	11,583	0.00	0
Manholes and Handholes	CY	1	92.00	36.48	3,356	78.00	7,176	0.00	0
Subtotal					16,899		18,759		0
Power and Conversion Equipment									
Auxiliary Power Transformer	TN	1	59.40	504.10	29,944	0.00	0	120.00	7,128
Station Service Transformer	TN	4	16.00	504.10	8,066	0.00	0	120.00	1,920
Transformer Copper	TN	1	32.08	525.40	16,855	0.00	0	5,000.00	160,400
Instrument Transformers	TN	8	4.80	504.10	2,420	0.00	0	120.00	576
Subtotal					57,284		0		170,024
Conduit, Insulators and Conductors									
Cable Trays	TN	1	7.88	504.10	3,972	0.00	0	120.00	946
Conduit	TN	1	68.44	312.40	21,381	0.00	0	120.00	8,213
Concrete	CY	1	703.00	91.20	64,114	78.00	54,834	0.00	0
Power Wiring	TN	1	192.03	852.00	163,610	0.00	0	2,100.00	403,263
Subtotal					253,076		54,834		412,421
Switching, Control and Protection Equipment									
Switchgear - 4,160v Metalclad	TN	1	40.00	312.40	12,496	0.00	0	120.00	4,800
Switchgear - 480v Metalclad	TN	2	36.00	312.40	11,246	0.00	0	120.00	4,320
Subtotal					23,742		0		9,120
Account 315 Total					351,002		73,593		591,565
FERC Account 316									
Miscellaneous Power Plant Equipment									
Compressed Air System	TN	1	6.46	504.10	3,256	0.00	0	120.00	775
Service Air Piping	TN	1	174.40	312.40	54,483	0.00	0	120.00	20,928
Total Account 316					57,739		0		21,703
TOTAL CAPE CANAVERAL UNIT 1					5,222,852		1,039,478		3,096,226

CAPE CANAVERAL DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
CAPE CANAVERAL UNIT 2									
FERC Account 311									
Improvements to Site									
Manholes and Catch Basins	CY	1	15.39	36.48	561	78.00	1,200	0.00	0
Subtotal					561		1,200		0
Circulating and Service Water System									
Piping	TN	1	429.10	312.40	134,051	0.00	0	120.00	51,492
Intake Cooling Water Pumps	TN	2	4.00	312.40	1,250	0.00	0	120.00	480
Intake Structure - Concrete	CY	1	1,102.00	91.20	100,502	78.00	85,956	0.00	0
Intake & Discharge Structure - Cc	TN	1	726.00	312.40	226,802	0.00	0	120.00	87,120
Superstructure	TN	1	35.16	234.30	8,238	0.00	0	120.00	4,219
Discharge Structure - Concrete	CY	1	327.00	91.20	29,822	78.00	25,506	0.00	0
Grills, Screens and Hoists	TN	2	29	312.40	9,172	0.00	0	120.00	3,523
Subtotal					509,838		111,462		146,834
Station Structures									
Concrete Pedestal Mat	CY	1	1,091.00	91.20	99,499	78.00	85,098	0.00	0
Structural Steel	TN	1	254.00	234.30	59,512	0.00	0	120.00	30,480
Miscellaneous Steel	TN	1	60.00	312.40	18,744	0.00	0	120.00	7,200
Floors - Concrete	CY	1	1,691.00	91.20	154,219	78.00	131,898	0.00	0
Platforms and Stairs	TN	1	35.00	312.40	10,934	0.00	0	120.00	4,200
Cranes and Hoists	TN	1	123.00	312.40	38,425	0.00	0	120.00	14,760
Concrete Footings, Piers and Gra	CY	1	1,112.00	91.20	101,414	78.00	86,736	0.00	0
Subtotal					482,748		303,732		56,640
Fuel & Ash Structures									
Ash Water Pumps	TN	2	0.62	312.40	194	0.00	0	120.00	74
Ash Disposal Lines	CY	1	17.40	36.48	635	78.00	1,357	0.00	0
Concrete	CY	1	30.00	91.20	2,736	78.00	2,340	0.00	0
Fuel Oil Transfer Pumps	TN	1	1.23	312.40	384	0.00	0	120.00	148
Fuel Oil Storage Tank Heater	TN	2	20.70	312.40	6,467	0.00	0	120.00	2,484
Fuel Oil Piping	TN	1	90.25	312.40	28,194	0.00	0	120.00	10,830
Fuel Oil Piping Supports	CY	1	50.00	36.48	1,824	78.00	3,900	0.00	0
Subtotal					40,433		7,597		13,536
Total Account 311					1,033,581		423,992		217,010
FERC Account 312									
Boiler Plant Equipment									
Fuel Oil Equipment									
Light Oil Tank (600 bbl)	TN	1	12.28	n/a	6,818	n/a	17,846	120.00	1,474
Fuel Oil Metering Tank (12,000 bl	TN	1	50.60	n/a	17,045	n/a	0	120.00	6,072
Cleaning Fuel Oil Metering Tank				n/a	0	n/a	70,000	0.00	0
Fuel Oil Metering Tank Foundation				n/a	35,306	n/a	0	0.00	0
Fuel Oil Metering Tank - Soil Remediation				n/a	0	n/a	14,485	0.00	0
Burner Pumps	TN	6	9.00	312.40	2,812	0.00	0	120.00	1,080
Concrete Foundations and Firewa	CY	1	555.00	91.20	50,616	78.00	43,290	0.00	0
Forced Draft Fans and Motors	TN	2	77.00	234.30	18,041	0.00	0	120.00	9,240
Forced Draft Fan Air Ducts	TN	1	101.00	312.40	31,552	0.00	0	120.00	12,120
Insulation for FD Fan Air Ducts	CY	1	450.00	71.00	31,950	20.00	9,000	0.00	0
Fuel Oil Pumps	TN	5	40.25	312.40	12,574	0.00	0	120.00	4,830

CAPE CANAVERAL DISMANTLEMENT STUDY

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Fuel Oil Heaters	TN	25	275.00	312.40	85,910	0.00	0	120.00	33,000
Subtotal					292,624		154,621		67,816
Boiler Equipment									
Boiler Frame and Platforms	TN	1	1,471.00	234.30	344,655	0.00	0	120.00	176,520
Boiler - including:	TN	1	3,148.00	234.30	737,576	0.00	0	120.00	377,760
Drum									
Waterwall, Downcomers & Tubes									
Piping, Valves & Silencers									
Radiant & Convection Superheaters									
Reheater									
Economizer									
Sootblowers									
Insulation	CY	1	1,760.00	71.00	124,960	20.00	35,200	0.00	0
Insulation - Asbestos	CY	0	0.00	1,250.00	0	100.00	0	0.00	0
Air Preheater	TN	2	540.00	234.30	126,522	0.00	0	120.00	64,800
Subtotal					1,333,714		35,200		619,080
Boiler Plant Auxiliaries									
L.P. Feedwater Heater #1	TN	1	21.10	312.40	6,592	0.00	0	120.00	2,532
L.P. Feedwater Heater #2	TN	1	15.30	312.40	4,780	0.00	0	120.00	1,836
L.P. Feedwater Heater #3	TN	1	11.85	312.40	3,702	0.00	0	120.00	1,422
L.P. Feedwater Heater #4	TN	1	15.10	312.40	4,717	0.00	0	120.00	1,812
L.P. Feedwater Heater #5	TN	1	17.85	312.40	5,576	0.00	0	120.00	2,142
H.P. Feedwater Heater #6	TN	1	50.95	234.30	11,938	0.00	0	120.00	6,114
H.P. Feedwater Heater #7	TN	1	67.45	234.30	15,804	0.00	0	120.00	8,094
Boiler Feed Pumps (including mo	TN	2	54.00	312.40	16,870	0.00	0	120.00	6,480
Condensate Storage Tank (150,0	TN	1	41.25	312.40	12,887	0.00	0	120.00	4,950
Condensate Storage Tank Found	CY	1	105.00	91.20	9,576	78.00	8,190	0.00	0
Condensate Recovery Tank (3,9(	TN	1	3.00	312.40	937	0.00	0	120.00	360
Condensate Recovery Flash Tanl	TN	1	0.50	312.40	156	0.00	0	120.00	60
Condensate Recovery Pump	TN	1	0.09	312.40	28	0.00	0	120.00	11
Boiler Fill Pump	TN	1	0.18	312.40	56	0.00	0	120.00	22
Heater Drain Pump	TN	1	0.65	312.40	203	0.00	0	120.00	78
Blow Down Tank (550 gl)	TN	1	0.50	312.40	156	0.00	0	120.00	60
Subtotal					93,977		8,190		35,972
Boiler Plant Piping									
Main Steam Piping	TN	1	58.55	312.40	18,291	0.00	0	120.00	7,026
Hot Reheat Piping	TN	1	75.67	312.40	23,639	0.00	0	120.00	9,080
Cold Reheat Piping	TN	1	95.69	312.40	29,894	0.00	0	120.00	11,483
Extraction Steam Piping	TN	1	39.27	312.40	12,268	0.00	0	120.00	4,712
Boiler Feed Piping	TN	1	20.52	312.40	6,410	0.00	0	120.00	2,462
Air Evacuation Piping	TN	1	47.88	312.40	14,958	0.00	0	120.00	5,746
Saturated Auxiliary Steam Piping	TN	1	123.53	312.40	38,591	0.00	0	120.00	14,824
Service & Cooling Water Piping	TN	1	65.18	312.40	20,362	0.00	0	120.00	7,822
Instrument, Sampling & Control P	TN	1	136.08	312.40	42,511	0.00	0	120.00	16,330
Condensate Piping	TN	1	73.45	312.40	22,946	0.00	0	120.00	8,814
Subtotal					229,870		0		88,298
Induced Draft Equipment									
Stack Breeching	TN	1	160.00	234.30	37,488	0.00	0	120.00	19,200
Stack	CY	1	1,625.00	91.20	148,200	78.00	126,750	0.00	0

CAPE CANAVERAL DISMANTLEMENT STUDY

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Dust Collectors	TN	2	174.00	234.30	40,768	0.00	0	120.00	20,880
Concrete Stack Foundation	CY	1	760.00	91.20	69,312	78.00	59,280	0.00	0
Subtotal					295,768		186,030		40,080
Miscellaneous Steel & Equipment	TN	1	260.25	504.10	131,192	0.00	0	120.00	31,230
Total Account 312					2,377,145		384,041		882,476
FERC Account 314									
Turbo-Generator Units									
Pedestal Concrete	CY	1	1,582.00	91.20	144,278	78.00	123,396	0.00	0
Inserts & Anchor Bolts	TN	1	10.58	312.40	3,305	0.00	0	120.00	1,270
Turbo-Generator Unit	TN	1	648.00	177.50	115,020	0.00	0	120.00	77,760
Turbine Piping	TN	1	260.00	312.40	81,224	0.00	0	120.00	31,200
Turbine Insulation	CY	1	700.00	71.00	49,700	20.00	14,000	0.00	0
Turbine Generator Copper	TN	1	58.50	695.80	40,704	0.00	0	5,000.00	292,500
Reinforcing Steel	TN	1	142.00	504.10	71,582	0.00	0	120.00	17,040
Subtotal					505,814		137,396		419,770
Condensers and Auxiliaries									
Condenser Shell	TN	1	867.50	234.30	203,255	0.00	0	120.00	104,100
Condenser - Aluminum-Brass Tul	TN	1	214.50	525.40	112,698	0.00	0	2,800.00	600,600
Circulating Water Pumps and Mo	TN	2	141.08	312.40	44,073	0.00	0	120.00	16,930
Condensate Pumps and Motors	TN	2	30.16	312.40	9,422	0.00	0	120.00	3,619
Lube Oil Tank (1,900 gl)	TN	1	23.50	312.40	7,341	0.00	0	120.00	2,820
Subtotal					376,790		0		728,069
Miscellaneous Steel & Equipment	TN	1	64.97	504.10	32,751	0.00	0	120.00	7,796
Total Account 314					915,356		137,396		1,155,635
FERC Account 315									
Accessory Electrical Equipment									
Foundations & Structures									
Equipment Foundations - Concrel	CY	1	62.00	91.20	5,654	78.00	4,836	0.00	0
Manholes and Handholes	CY	1	101.00	36.48	3,684	78.00	7,878	0.00	0
Subtotal					9,339		12,714		0
Power and Conversion Equipment									
Auxiliary Power Transformer	TN	1	59.40	504.10	29,944	0.00	0	120.00	7,128
Station Service Transformer	TN	4	16.00	504.10	8,066	0.00	0	120.00	1,920
Transformer Copper	TN	1	32.08	525.40	16,855	0.00	0	5,000.00	160,400
Lighting Transformers	TN	8	4.80	504.10	2,420	0.00	0	120.00	576
Subtotal					57,284		0		170,024
Conduit, Insulators and Conductors									
Cable Trays	TN	1	5.42	504.10	2,732	0.00	0	120.00	650
Conduit	TN	1	63.56	312.40	19,856	0.00	0	120.00	7,627
Concrete	CY	1	710.00	91.20	64,752	78.00	55,380	0.00	0
Power Wiring	TN	1	199.82	852.00	170,247	0.00	0	2,100.00	419,622
Subtotal					257,587		55,380		427,900
Switching, Control and Protection Equipment									

CAPE CANAVERAL DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Switchgear - 4,160v Metalclad	TN	1	40.00	312.40	12,496	0.00	0	120.00	4,800
Switchgear - 480v Metalclad	TN	2	36.00	312.40	11,246	0.00	0	120.00	4,320
Subtotal					23,742		0		9,120
Account 315 Total					347,952		68,094		607,044
FERC Account 316									
Miscellaneous Power Plant Equipment									
Compressed Air System	TN	1	6.46	504.10	3,256	0.00	0	120.00	775
Total Account 316					3,256		0		775
TOTAL CAPE CANAVERAL UNIT 2					4,677,290		1,013,523		2,862,940
TOTAL CAPE CANAVERAL COMMON, UNITS 1 & 2					10,326,380		4,175,539		6,320,505
NASA Photovoltaic Station									
Account 343 Prime Movers									
Solar Thermal System									
Foundation	CY	1	503.06	91.20	45,879	78.00	39,239	0.00	0
Solar Panels	TN	1	0.29	177.50	52	0.00	0	120.00	25
Tracking System	TN	1	194.56	312.40	60,779	0.00	0	120.00	16,833
Enclosure (pre-cast building)	TN	1	1.48	312.40	461	0.00	0	120.00	128
Solar Collection Element (steel fram	TN	1	0.20	312.40	63	0.00	0	120.00	17
Support Structure	TN	1	689.47	312.40	215,392	0.00	0	120.00	59,653
Insulation	CY	1	250.00	71.00	17,750	20.00	5,000	0.00	0
Switch Gear	TN	1	8.32	312.40	2,600	0.00	0	120.00	720
					342,976		44,239		77,377
Account 345 -Accessory Electric Equipment									
Solar Thermal System									
AC Wiring	TN	1	3.04	312.40	950	0.00	0	2,100.00	4,200
DC Wiring	TN	1	1.83	312.40	572	0.00	0	2,100.00	2,520
Electrical Raceway	TN	1	12.32	312.40	3,849	0.00	0	120.00	971
Inverters	TN	1	3.37	312.40	1,053	0.00	0	120.00	266
Circuit Breaker	TN	1	0.45	312.40	141	0.00	0	120.00	35
					6,564		0		7,992
Solar Totals					349,540		44,239		85,369

Cutler Plant

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Cutler Plant

The Cutler Plant is located on an 80-acre site in Dade County, 14 miles southwest of Miami, Florida. At one time there were six generating units at the Cutler site, however all but two, Units No. 5 and 6, have been dismantled. The two units have a combined maximum generator name plate rating of 237 megawatts. The units are fueled by natural gas and are used to meet seasonal demand by operating primarily between 9:00 AM and 9:00 PM or as needed. A pipeline connected to the Florida Gas Transmission System transports the fuel. Units No. 5 and 6 went into commercial operation during 1954 and 1955 respectively. For purposes of this dismantlement study, the economic recovery dates for the Cutler units are as follows:

Unit	Year
Unit 5:	2020
Unit 6:	2020
Common:	2020

The dismantlement of the plants is assumed to require 2 years beginning five years after those dates.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Cutler Units in Docket No. 070378-EI, Order No. PSC-08-0095-PAA-EI, issued on February 14, 2008. The current accruals became effective as of January 1, 2007.

CUTLER
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Cutler Common				
311	Structures and Improvements	380,728	562,076	105,953	836,852
312	Boiler Plant Equipment	6,722	0	3,240	3,482
314	Turbogenerator Units	153,731	107,870	21,120	240,481
315	Accessory Electrical Equipment	82,166	0	212,240	(130,074)
316	Miscellaneous Equipment	2,835	0	1,080	1,755
	Subtotal	626,182	669,946	343,633	952,496
	Other Site Costs:				
	Site Management Expenses	564,984			564,984
	Other Site Contamination	108,309			108,309
	Intake & Discharge Backfill	123,371			123,371
	Grading & Seeding	1,168,264			1,168,264
	Subtotal	1,964,928	0	0	1,964,928
	Total Cutler Common	2,591,110	669,946	343,633	2,917,424
	Contingency - 16%	414,578	107,191		521,769
	Total Cutler Common	3,005,688	777,138	343,633	3,439,193
	Unusable M&S Inventory	709,844		70,984	638,860
		3,715,532	777,138	414,617	4,078,052
	Cutler Unit 5				
311	Structures and Improvements	234,166	228,912	49,477	413,601
312	Boiler Plant Equipment	1,129,582	235,136	471,984	892,734
314	Turbogenerator Units	623,190	99,843	383,303	339,730
315	Accessory Electrical Equipment	113,412	12,482	151,086	(25,212)
316	Miscellaneous Equipment	1,164	0	504	660
	Subtotal	2,101,514	576,354	1,056,355	1,621,513
	Contingency - 16%	336,242	92,217		428,459
	Total Cutler Unit 5	2,437,756	668,570	1,056,355	2,049,971
	Cutler Unit 6				
311	Structures and Improvements	397,479	354,417	78,055	673,841
312	Boiler Plant Equipment	2,584,728	350,428	677,715	2,257,441
314	Turbogenerator Units	538,240	110,170	364,996	283,414
315	Accessory Electrical Equipment	156,800	88,654	238,006	17,449
316	Miscellaneous Equipment	1,192	0	516	676
	Subtotal	3,688,439	903,669	1,359,288	3,232,820
	Contingency - 16%	590,150	144,587		734,737
	Total Cutler Unit 6	4,278,590	1,048,256	1,359,288	3,967,558
	Total Dismantlement Costs	10,431,877	2,493,964	2,830,260	10,095,581

CUTLER
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Cutler Common	1,803,412	1,912,119	777,138	414,617	4,078,052
Cutler Unit 5	1,462,654	975,102	668,570	1,056,355	2,049,971
Cutler Unit 6	2,567,154	1,711,436	1,048,256	1,359,288	3,967,558
Total	5,833,220	4,598,657	2,493,964	2,830,260	10,095,581

Labor is 60% of Removal Cost (excluding unusable inventory) from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs, plus unusable inventory.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

CUTLER DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The fuel oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits;

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

CUTLER DISMANTLEMENT ASSUMPTIONS (continued)

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However, the dismantlement cost of substation equipment is not included in this study so as to avoid duplicating recovery of expense already included in the net salvage factor of the substation plant accounts' depreciation rates.

An expandable grout will be used to remove the turbine pedestals. The chimneys will be control-blasted.

It is assumed that dismantlement activity at Cutler will begin five years after end of service. The economic recovery dates used for this assumption are as follows:

Units	Economic Recovery Date
Unit 5	2020
Unit 6	2020
Common	2020

Though some asbestos abatement activity has occurred at Cutler, significant amounts of asbestos remain and can be expected to require abatement at final dismantlement. FPL's asbestos abatement contractor, Environmental Services, Inc. has estimated the cost of asbestos removal and disposal at $1,350 per cubic yard. FPL's environmental department recently completed a survey of asbestos quantities at our fossil sites, which estimated the cost to abate the remaining asbestos at Cutler at $3.2 million.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove hazardous materials; i.e., leads (alkaline), acids, solvents, lubricants, oils, chemicals, and gasses.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines and backfill trenches.
- Remove main steam, hot and cold piping, downcomers, valves, and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove intake and discharge structures, equipment pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS
(Continued)

- Remove gas supply metering site, valve stations, underground distribution system.
- Remove solid and liquid wastes from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove fuel oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

CUTLER DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the Cutler Plant. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader.
The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$33.05	X	6	=	$198.33
Foreman	$41.96	X	1	=	$41.96
Heavy Equipment Operator	$39.99	X	1	=	$39.99
Total Cost per hour of 8 man crew					$280.28
Cost per man hour		$280.28	/ 8	=	$35.04

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					31,395.00
Front End Loader					6,234.15
Cutting Equipment					231.97
Total per month					$37,861.12
37,861.12	/ 176	hours per month =			215.12
Cost per man hour		$215.12	/ 8	=	$26.89
Plus: amount for small tools					1.00
Total Cost per man hour					$27.89

CUTLER DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$35.04
Equipment	27.89
Total	$62.93
Rounded	$63.00
For Concrete demolition add $4.00 per hour additional equipment charge.	$68.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate.

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$63.00	2.50 MH / Ton	$157.50 / Ton
Heavy Steel (2)	$63.00	3.30 MH / Ton	$207.90 / Ton
General Steel	$63.00	4.40 MH / Ton	$277.20 / Ton
Light Steel	$63.00	7.10 MH / Ton	$447.30 / Ton
Concrete	$68.00	0.48 MH / CY	$32.64 / CY
Reinforced Concrete	$68.00	1.20 MH / CY	$81.60 / CY
Copper-Elect. Cable & Generator Leads &	$63.00	12.00 MH / Ton	$756.00 / Ton
Copper - Generator	$63.00	9.80 MH / Ton	$617.40 / Ton
Copper - Transformer	$63.00	7.40 MH / Ton	$466.20 / Ton
General Insulation	$63.00	1.00 MH / CY	$63.00 / CY
Inground Pipe-Metal(3)	$63.00	6.00 MH / Ton	$378.00 / Ton
Concrete Pipe	$68.00	4.60 MH / Ton	$312.80 / CY
Asbestos			$1,250.00 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Homestead Landfill, using dumpsters provided by Waste Management, Inc. Concrete and non-asbestos insulation are non-hazardous wastes. The tipping fee is $46 per cubic yard. The per-haul dumpster charges are $475 per haul for a 20 cubic yard dumpster and $675 per haul for a 30 CY dumpster.

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located in the detailed spreadsheet.

CUTLER DISMANTLEMENT STUDY

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Dumpster Cost (incl. driver)	$475.00	/ pull	X	1 pull	$475.00
Tipping Fees	$46.00	/ ton	X	30.5 tons	$1,403.00
Total Cost per round Trip					$1,878.00
Cost per Cubic Yard	$1,878.00	/ 15.38 cubic yards =			$122.11
Plus 10% contractor profit					12.21
Total Cost per Cubic Yard					$134.32
Rounded Cost per Cubic Yard					$134.00

Insulation

A trailer with a 30 cubic yard capacity is used for insulation because of its lighter weight. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - I.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of insulation weighs 121.5 pounds or .060750 tons. The 30 cubic yard dumpster capacity times .060750 tons/cubic yard = 1.82 tons.

Insulation - Calcium Silicate

Truck Cost (incl. driver)	$675.00	/ pull	X	1 pull	=	$675.00
Tipping Fees	$46.00	/ ton	X	1.82 ton	=	83.72
Total Cost per round Trip						758.72
Cost per Cubic Yard	$758.72	/ 27 cubic yards =				$28.10
Plus 10% contractor profit						2.81
Total Cost per Cubic Yard						$30.91
Rounded Cost per Cubic Yard						$31.00

Asbestos Insulation

Environmental Services, Inc. advises that removal cost for asbestos is $1,250 per cubic yard. Disposal Cost is $100 per cubic yard.

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by published data and conversations with scrap metals dealers.The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month. These expenses are assumed to be incurred over the 12 month dismantlement period assumed for the Cutler Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management supervision, security and other costs.

Site Management Expenses per month	$47,082
Number of months	12.00
Total Site Mangement Expenses	$564,984

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. Construction Estimating has updated the costs. The charge for the Intake is $44,128; the cost for the discharge is $35,115. Cutler has one of each.

	Cost/Structure	Quantity	Totals	
Intake	$44,128	2	$88,256	*
Discharge	$35,115	1	$35,115	
			$123,371	

* Cutler has a larger than average Intake. Thus for costing purposes, it is treated as having 2.

CUTLER DISMANTLEMENT STUDY

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is $63,579 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Cutler Acreage to be graded and seeded	17.50
Cost Factor	$63,579
Total Grading and Seeding Expense	$1,168,264

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At Cutler, the following cost estimates have been identified:

Description	Amount
Asbestos [see Units 5 & 6 detail]	$3,200,000
Lead in paint	300
Special Waste	42,490
Soil/Other Contamination	59,500
Total	$3,302,290

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of of Measure	Total Salvage Value
Cutler Common Plant									
FERC Account 311									
Improvements to Site									
Shelter	CY	1	17.00	32.64	555	134.00	2,278	0.00	0
Roads & Walkways	CY	1	1,585.00	32.64	51,734	134.00	212,390	0.00	0
Yard Lighting	TN	1	3.00	447.30	1,342	0.00	0	120.00	360
Dock	CY	1	85.00	32.64	2,774	134.00	11,390	0.00	0
					56,406		226,058		360
Service Water Supply System									
Concrete	CY	1	50.00	81.60	4,080	134.00	6,700	0.00	0
Raw Water Tank	TN	1	17.00	277.20	4,712	0.00	0	120.00	2,040
Piping	TN	1	15.00	207.90	3,119	0.00	0	120.00	1,800
Reinforced Concrete	CY	1	105.00	81.60	8,568	134.00	14,070	0.00	0
Raw Water Pumps	TN	1	5.00	207.90	1,040	0.00	0	120.00	600
Salt Water Pumps	TN	1	6.00	207.90	1,247	0.00	0	120.00	720
					22,766		20,770		5,160
Intake Structure									
Concrete	CY	1	395.00	81.60	32,232	134.00	52,930	0.00	0
Grills, Screens, Hoists	TN	1	14.00	277.20	3,881	0.00	0	120.00	1,680
					36,113		52,930		1,680
Conduits - Intake & Discharge									
Concrete Discharge Tunnel	CY	1	299.00	81.60	24,398	134.00	40,066	0.00	0
Reinforced - Concrete Discharge Tunnel	CY	1	1,420.00	81.60	115,872	134.00	190,280	0.00	0
					140,270		230,346		0
Station Structures									
Structural Steel	TN	1	208.00	207.90	43,243	0.00	0	120.00	24,960
Turbine Enclosure	TN	1	15.00	277.20	4,158	0.00	0	120.00	1,800
Cable Vault Trays	TN	1	7.00	277.20	1,940	0.00	0	120.00	840
Laboratory Walls	CY	1	27.00	32.64	881	134.00	3,618	0.00	0
Concrete	CY	1	82.00	32.64	2,676	134.00	10,988	0.00	0
Grating & Steel Plate Floor	TN	1	11.00	277.20	3,049	0.00	0	120.00	1,320
Station Cranes & Hoists	TN	1	74.00	207.90	15,385	0.00	0	120.00	8,880
					71,333		14,606		37,800
Building Equipment									
Building Elevator	TN	1	9.00	277.20	2,495	0.00	0	120.00	1,080
Structural Steel - Elevator	TN	1	27.10	207.90	5,634	0.00	0	120.00	3,252
Reinforced Concrete - Elevator	CY	1	4.60	81.60	375	134.00	616	0.00	0
HVAC	TN	1	6.00	277.20	1,663	0.00	0	120.00	720
Plumbing	TN	1	7.00	277.20	1,940	0.00	0	120.00	840
Lighting & Building Wiring	TN	1	19.00	756.00	14,364	0.00	0	2,100.00	39,900
Fire Protection Equipment	TN	1	4.00	277.20	1,109	0.00	0	120.00	480
Other Cranes & Hoists	TN	1	1.34	207.90	279	0.00	0	120.00	161
					27,859		616		46,433
Service Building									
Concrete	CY	1	125.00	81.60	10,200	134.00	16,750	0.00	0
Structural Steel	TN	1	37.00	207.90	7,692	0.00	0	120.00	4,440
HVAC	TN	1	9.00	447.30	4,026	0.00	0	120.00	1,080
Plumbing	TN	1	5.00	207.90	1,040	0.00	0	120.00	600

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of of Measure	Total Salvage Value
Lighting & Building Wiring	TN	1	4.00	756.00	3,024	0.00	0	2,100.00	8,400
					25,982		16,750		14,520
Total Account 311					380,728		562,076		105,953
FERC Account 312									
Boiler Plant Equipment									
Fuel Oil & Gas Equipment									
Strainers, Heaters & Accessories	TN	1	16.00	277.20	4,435	0.00	0	120.00	1,920
Boiler Plant Auxiliaries									
Boiler Piping	TN	1	11.00	207.90	2,287	0.00	0	120.00	1,320
Total Account 312					6,722		0		3,240
FERC Account 314									
Turbogenerator Equipment									
Condensers & Auxiliaries									
Circulating Water Pumps & Valves	TN	4	156.00	277.20	43,243	0.00	0	120.00	18,720
Miscellaneous Turbine Equipment	TN	1	11.00	277.20	3,049	0.00	0	120.00	1,320
Circulating Water Pipe	CY	1	105.00	312.80	46,292	134.00	14,070	0.00	0
					92,585		14,070		20,040
Reinforced Concrete - Units 3 & 4 Turbine Pedestals	CY	1	700.00	81.60	57,120	134.00	93,800	0.00	0
Turbine Room Instruments	TN	1	9.00	447.30	4,026	0.00	0	120.00	1,080
					61,146		93,800		1,080
Total Account 314					153,731		107,870		21,120
FERC Account 315									
Accessory Electrical Equipment									
Aux Power Transformer	TN	1	12.00	277.20	3,326	0.00	0	120.00	1,440
Station Service Transformer	TN	1	2.50	277.20	693	0.00	0	120.00	300
Transformer Copper	TN	1	5.80	466.20	2,704	0.00	0	5,000.00	29,000
Power Wiring	TN	1	50.00	756.00	37,800	0.00	0	2,100.00	105,000
Control Cable & Supporting Cable Trays	TN	1	35.00	756.00	26,460	0.00	0	2,100.00	73,500
Control Boards, Switchgear & Load Centers	TN	1	25.00	447.30	11,183	0.00	0	120.00	3,000
Total Account 315					82,166		0		212,240
FERC Account 316									
Miscellaneous Power Plant Equipment									
Air Compressor System	TN	1	7.00	277.20	1,940	0.00	0	120.00	840
Communications Equipment	TN	1	1.00	447.30	447	0.00	0	120.00	120
General Plant Equipment	TN	1	1.00	447.30	447	0.00	0	120.00	120
Total Account 316					2,835		0		1,080
Total Cutler Common					626,182		669,946		343,633
CUTLER UNIT 5									
FERC Account 311									

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of of Measure	Total Salvage Value
Improvements to Site									
Reinforced Concrete	CY	1	69.60	81.60	5,679	134.00	9,326	0.00	0
Subtotal					5,679		9,326		0
Condensing and Service Water System									
Water Treatment Equipment	TN	1	22.00	277.20	6,098	0.00	0	120.00	2,640
Reinforced Concrete - Piping	CY	1	4.00	81.60	326	134.00	536	0.00	0
Reinf Concr - Fresh Water Well System	CY	1	1.30	81.60	106	134.00	174	0.00	0
Salt Water Well Pump System	TN	2	2.56	277.20	710	0.00	0	120.00	307
Reinf Concr - Salt Water Well Pump System	CY	1	6.30	81.60	514	134.00	844	0.00	0
Reinforced Concrete - Intake Structure	CY	1	354.30	81.60	28,911	134.00	47,476	0.00	0
Structural Steel	TN	1	11.81	207.90	2,455	0.00	0	120.00	1,417
Traveling, Fine and Coarse Screens	TN	1	30.02	277.20	8,322	0.00	0	120.00	3,602
Screen Wash Pump	TN	1	1.04	447.30	465	0.00	0	120.00	125
Piping (Cast Iron - 42")	TN	1	100.60	378.00	38,027	0.00	0	120.00	12,072
Piping (Transite - 6")	TN	1	22.75	378.00	8,600	0.00	0	120.00	2,730
Concrete	CY	1	12.00	32.64	392	134.00	1,608	0.00	0
Reinforced Concrete	CY	1	162.00	81.60	13,219	134.00	21,708	0.00	0
Subtotal					108,145		72,347		22,894
Station Structures									
Concrete	CY	1	366.00	32.64	11,946	134.00	49,044	0.00	0
Reinforced Concrete - Walls & Floors	CY	1	545.10	81.60	44,480	134.00	73,043	0.00	0
Structural Steel	TN	1	143.50	207.90	29,834	0.00	0	120.00	17,220
Grating, Steel Plate & Doors	TN	1	10.30	447.30	4,607	0.00	0	120.00	1,236
Steel Platforms, Stairs, Ladders, Handrailing	TN	1	21.10	447.30	9,438	0.00	0	120.00	2,532
Concrete - Floors & Roofs	CY	1	101.60	32.64	3,316	134.00	13,614	0.00	0
Reinforced Concrete - Floors, Drains & Sumps	CY	1	23.50	81.60	1,918	134.00	3,149	0.00	0
Other Cranes & Hoists	TN	1	1.13	207.90	235	0.00	0	120.00	136
Elevator	TN	1	9.00	207.90	1,871	0.00	0	120.00	1,080
Structural Steel - Elevator	TN	1	36.50	207.90	7,588	0.00	0	120.00	4,380
Reinforced Concrete - Elevator	CY	1	3.60	81.60	294	134.00	482	0.00	0
Subtotal					115,527		139,333		26,584
Fuel and Ash Structure									
Reinf Concr Supports for Existing Pipe Lines	CY	1	59.00	81.60	4,814	134.00	7,906	0.00	0
Subtotal					4,814		7,906		0
Total Account 311					234,166		228,912		49,477
FERC Account 312									
Boiler Plant Equipment									
Fuel Oil Burner Pumps	TN	2	1.60	277.20	444	0.00	0	120.00	192
Fuel Oil Booster Pump (w/motor)	TN	1	2.20	277.20	610	0.00	0	120.00	264
Reinforced Concrete for Fuel Burner Pumps	CY	1	6.00	81.60	490	134.00	804	0.00	0
Forced Draft Fans	TN	2	10.50	207.90	2,183	0.00	0	120.00	1,260
Motors for Forced Draft Fans	TN	2	3.50	277.20	970	0.00	0	120.00	420
Forced Draft Foundation - Reinforced Concrete	CY	1	140.00	81.60	11,424	134.00	18,760	0.00	0
Ducts	TN	1	120.00	277.20	33,264	0.00	0	120.00	14,400
Duct Insulation	CY	1	180.00	63.00	11,340	31.00	5,580	0.00	0
Reinf Concrete for F.O., Stm, Cond. Piping	CY	1	121.70	81.60	9,931	134.00	16,308	0.00	0
Subtotal					70,655		41,452		16,536

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of of Measure	Total Salvage Value
Boiler Equipment									
Reinforced Concrete - Boiler Foundation Piers	CY	1	16.00	81.60	1,306	134.00	2,144	0.00	0
Concrete Deck Slabs	CY	1	28.00	81.60	2,285	134.00	3,752	0.00	0
Structural Steel	TN	1	479.80	207.90	99,750	0.00	0	120.00	57,576
Platform Grating and Handrail	TN	1	68.50	447.30	30,640	0.00	0	120.00	8,220
Gas Piping	TN	1	37.00	277.20	10,256	0.00	0	120.00	4,440
Steam Generation Unit - including:									
Drum	TN	1	69.75	207.90	14,501	0.00	0	120.00	8,370
Water walls	TN	1	190.34	207.90	39,572	0.00	0	120.00	22,841
Downcomers	TN	1	38.50	207.90	8,004	0.00	0	120.00	4,620
Airheater	TN	1	134.70	207.90	28,004	0.00	0	120.00	16,164
Superheater	TN	1	135.38	207.90	28,146	0.00	0	120.00	16,246
Economizer	TN	1	111.38	207.90	23,156	0.00	0	120.00	13,366
Boiler setting - Insulation	CY	1	300.00	1,250.00	375,000	100.00	30,000	0.00	0
Boiler setting - brick	CY	1	150.00	1,250.00	187,500	100.00	15,000	0.00	0
Copper pipe and tubing	TN	1	52.00	466.20	24,242	0.00	0	5,000.00	260,000
Combustion and Feedwater Control Equipment	TN	1	5.75	447.30	2,572	0.00	0	120.00	690
Subtotal					874,934		50,896		412,532
Boiler Plant Auxiliaries									
Feed Water Heaters									
11th Stage High Pressure Heater #2	TN	1	5.40	207.90	1,123	0.00	0	120.00	648
17th Stage High Pressure Heater #1	TN	1	4.83	207.90	1,004	0.00	0	120.00	580
22nd Stage Intermediate Pressure Heater	TN	1	4.07	207.90	846	0.00	0	120.00	488
25th Stage Low Pressure Heater #2	TN	1	4.98	277.20	1,380	0.00	0	120.00	598
28th Stage Low Pressure Heater #1	TN	1	7.42	277.20	2,057	0.00	0	120.00	890
Condensate Make-Up Heater	TN	1	1.02	277.20	283	0.00	0	120.00	122
Boiler Feed Pumps (including motors)	TN	3	22.95	207.90	4,771	0.00	0	120.00	2,754
Reinforced Concrete for Pumps	CY	1	38.50	81.60	3,142	134.00	5,159	0.00	0
Intermediate Pressure Heater Drain Pumps	TN	2	2.54	277.20	704	0.00	0	120.00	305
I.P. Heater Drain Pumps - Reinforced Concrete	CY	1	4.70	81.60	384	134.00	630	0.00	0
Feedwater Regulator Valves	TN	1	4.10	207.90	852	0.00	0	120.00	492
Reverse Current Valves	TN	1	1.29	207.90	268	0.00	0	120.00	155
Subtotal					16,814		5,789		7,032
Boiler Plant Piping									
General Piping (includes system valves)									
2.5" & Under - Pipe, Valves & Fittings	TN	1	1.34	277.20	371	0.00	0	120.00	161
2.5" & Under - Insulation	CY	1	3.82	63.00	241	31.00	118	0.00	0
2.51" - 8" - Pipe, Valves & Fittings	TN	1	63.86	277.20	17,702	0.00	0	120.00	7,663
2.51" - 8" - Insulation	CY	1	33.31	63.00	2,098	31.00	1,033	0.00	0
Over 8 " - Pipe, Valves & Fittings	TN	1	82.04	207.90	17,056	0.00	0	120.00	9,845
Over 8 " - Insulation	CY	1	66.99	63.00	4,220	31.00	2,077	0.00	0
Extraction Steam Valves	TN	1	1.00	207.90	208	0.00	0	120.00	120
Main Steam Stop Valves	TN	2	10.00	207.90	2,079	0.00	0	120.00	1,200
Check Valves - 6"	TN	3	1.29	277.20	358	0.00	0	120.00	155
Steel Valves - 2" & smaller	TN	1	2.50	277.20	693	0.00	0	120.00	300
Reverse Current Valves 6", 8", 12"	TN	1	1.29	277.20	358	0.00	0	120.00	155
Subtotal					45,384		3,228		19,598
Induced Draft Equipment									
Stack Breeching	CY	1	200.30	81.60	16,344	134.00	26,840	0.00	0

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of of Measure	Total Salvage Value
Foundation - Reinforced Concrete I.D. Fans	CY	1	50.00	81.60	4,080	134.00	6,700	0.00	0
Induced Draft Fans	TN	2	17.50	207.90	3,638	0.00	0	120.00	2,100
Motors for Induced Draft Fans	TN	2	7.88	277.20	2,183	0.00	0	120.00	945
Dust Separators	TN	2	62.00	207.90	12,890	0.00	0	120.00	7,440
Dust Separators - Reinforced Concrete	CY	1	5.30	81.60	432	134.00	710	0.00	0
Soot Disposal Discharge Reinforced Concrete	CY	1	5.70	81.60	465	134.00	764	0.00	0
150' Stack With Tile Lining	CY	1	187.50	81.60	15,300	134.00	25,125	0.00	0
Reinforced Concrete for Stack	CY	1	199.50	81.60	16,279	134.00	26,733	0.00	0
Concrete Stack Foundation - Concrete	CY	1	350.00	81.60	28,560	134.00	46,900	0.00	0
Subtotal					100,172		133,772		10,485
Miscellaneous Equipment & Steel	TN	1	48.34	447.30	21,622	0.00	0	120.00	5,801
Total Account 312					1,129,582		235,136		471,984
FERC Account 314									
Turbogenerator Unit									
Concrete Pedestal									
Reinforced Concrete	CY	1	388.80	81.60	31,726	134.00	52,099	0.00	0
Subtotal					31,726		52,099		0
Turbogenerator Equipment									
Turbine Generator	TN	1	362.50	157.50	57,094	0.00	0	120.00	43,500
Turbine Generator Copper	TN	1	22.48	617.40	13,876	0.00	0	5000.00	112,375
Turbine Generator Access Foundations	CY	1	29.00	81.60	2,366	134.00	3,886	0.00	0
Turbine Plant Piping	TN	1	158.10	277.20	43,825	0.00	0	120.00	18,972
Turbine Insulation - Asbestos	CY	1	300.00	1,250.00	375,000	100.00	30,000	0.00	0
Turbine Insulation	CY	1	125.00	63.00	7,875	31.00	3,875	0.00	0
Subtotal					500,037		37,761		174,847
Condensers and Auxiliaries									
Condenser - 60000 sq ft, twin shell w/1600 cu ft hotwell storage. Incls 10096 almn-brs tubes.									
Condenser Shell	TN	1	197.50	207.90	41,060	0.00	0	120.00	23,700
Condenser Tubes - Aluminum-Brass	TN	1	64.25	466.20	29,953	0.00	0	2,800.00	179,900
Condenser Foundation - Reinforced Concrete	CY	1	62.00	81.60	5,059	134.00	8,308	0.00	0
Subtotal					76,073		8,308		203,600
Auxiliary Equipment									
Condensate Pumps (includes 200 hp motors)	TN	3	12.75	277.20	3,534	0.00	0	120.00	1,530
Reinforced Concrete For Condensate Pumps	CY	1	8.90	81.60	726	134.00	1,193	0.00	0
Subtotal					4,261		1,193		1,530
Cooling Water Equipment									
Cooling Water Pumps - Aurora 2000 gpm	TN	2	1.20	277.20	333	0.00	0	120.00	144
Cooling Water Pumps - Reinforced Concrete	CY	1	3.10	81.60	253	134.00	415	0.00	0
Cooling Water Heat Exchangers - 1 mil #/hr	TN	1	6.15	277.20	1,705	0.00	0	120.00	738
Reinf Concr for Cooling Water Heat Exchangers	CY	1	0.50	81.60	41	134.00	67	0.00	0
Sealing Water Sys - Clng Wtr & Gind Sl Tnks	TN	1	2.05	277.20	568	0.00	0	120.00	246
Subtotal					2,899		482		1,128

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of of Measure	Total Salvage Value
Miscellaneous Equipment	TN	1	18.32	447.30	8,195	0.00	0	120.00	2,198
Total Account 314					623,190		99,843		383,303
FERC Account 315									
Accessory Electrical Equipment									
Foundations and Structures									
Generator Leads & Supports									
Reinforced Concrete	CY	1	33.10	81.60	2,701	134.00	4,435	0.00	0
Structural Steel	TN	1	7.70	207.90	1,601	0.00	0	120.00	924
Generator Leads Enclosures	TN	1	4.84	277.20	1,342	0.00	0	120.00	581
Subtotal					5,643		4,435		1,505
Power Conversion Equipment									
2400 V Metal Clad Switchgear	TN	2	44.50	447.30	19,905	0.00	0	120.00	5,340
480 V Metal Clad Switchgear	TN	2	36.50	447.30	16,326	0.00	0	120.00	4,380
Main Exciter	TN	1	8.38	447.30	3,748	0.00	0	120.00	1,006
Starting Transformer - 5000 kva	TN	1	12.00	447.30	5,368	0.00	0	120.00	1,440
Transformer Copper	TN	1	4.80	466.20	2,238	0.00	0	5,000.00	24,000
Reinforced Concrete for Starting Transformer	CY	1	19.90	81.60	1,624	134.00	2,667	0.00	0
Conduit	TN	1	40.00	447.30	17,892	0.00	0	120.00	4,800
Concrete	CY	1	447.80	32.64	14,616	134.00	5,360	0.00	0
Generator Leads (all copper tubing)	TN	1	12.50	756.00	9,450	0.00	0	5,000.00	62,500
Power Wiring	TN	1	20.89	756.00	15,793	0.00	0	2,100.00	43,869
Control Cable & Supporting Cable Trays	TN	1	1.07	756.00	809	0.00	0	2,100.00	2,247
Subtotal					107,769		8,027		149,582
Total Account 315					113,412		12,462		151,086
FERC Account 316									
Miscellaneous Power Plant Equipment									
Air Compressor System	TN	2	4.20	277.20	1,164	0.00	0	120.00	504
Total Account 316					1,164		0		504
TOTAL CUTLER UNIT 5					2,101,514		576,354		1,056,355
CUTLER UNIT 6									
FERC Account 311									
Improvements to Site									
Reinforced Concrete	CY	1	43.70	81.60	3,566	134.00	5,856	0.00	0
Asphalt Paving	CY	1	202.54	32.64	6,611	134.00	27,140	0.00	0
Subtotal					10,177		32,996		0
Condensing and Service Water System									
Piping	TN	1	3.80	378.00	1,436	0.00	0	120.00	456
Reinforced Concrete - Piping	CY	1	17.20	81.60	1,404	134.00	2,305	0.00	0
Salt Water Well Pump System	TN	1	1.62	277.20	449	0.00	0	120.00	194
Reinforced Concrete - Intake Structure	CY	1	373.00	81.60	30,437	134.00	49,982	0.00	0
Structural Steel	TN	1	64.90	207.90	13,493	0.00	0	120.00	7,788
Traveling, Fine and Coarse Screens	TN	1	19.74	277.20	5,472	0.00	0	120.00	2,369
Piping (Cast Iron - 48")	TN	1	292.40	378.00	110,527	0.00	0	120.00	35,088

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of of Measure	Total Salvage Value
Piping (Concrete - 48")	TN	1	106.86	312.80	33,426	134.00	14,319	0.00	0
Concrete	CY	1	233.30	32.64	7,615	134.00	31,262	0.00	0
Reinforced Concrete	CY	1	32.50	81.60	2,652	134.00	4,355	0.00	0
Subtotal					206,910		102,223		45,895
Station Structures									
Walls & Floors - Unreinforced Concrete	CY	1	351.50	32.64	11,473	134.00	47,101	0.00	0
Reinforced Concrete - Walls & Floors	CY	1	1,277.40	81.60	104,236	134.00	171,172	0.00	0
Structural Steel	TN	1	158.90	207.90	33,035	0.00	0	120.00	19,068
Grating and Steel Plate	TN	1	10.30	447.30	4,607	0.00	0	120.00	1,236
Steel Platforms, Stairs, Ladders, Handrailing	TN	1	24.80	447.30	11,093	0.00	0	120.00	2,976
Reinforced Concrete - Floors, Drains & Sumps	CY	1	6.90	81.60	563	134.00	925	0.00	0
Station Crane	TN	1	74.00	207.90	15,385	0.00	0	120.00	8,880
Subtotal					180,392		219,197		32,160
Total Account 311					397,479		354,417		78,055
FERC Account 312									
Boiler Plant Equipment									
Fuel Oil Tmsfer Pump - 420 gpm (w/50 hp mtr)	TN	2	1.70	277.20	471	0.00	0	120.00	204
Unloading Pump - 1225 gpm (w/125 hp motor)	TN	1	3.50	277.20	970	0.00	0	120.00	420
Stripping Pump - 200 gpm	TN	1	1.06	277.20	294	0.00	0	120.00	127
Reinforced Concrete for Pumps	CY	1	4.30	81.60	351	134.00	576	0.00	0
6", 10", 12" basket fuel oil strainers	TN	1	2.55	277.20	707	0.00	0	120.00	306
Reinforced Concrete for Heaters & Strainers	CY	1	11.40	81.60	930	134.00	1,528	0.00	0
Fuel Burner Pumps	TN	4	3.00	277.20	832	0.00	0	120.00	360
Reinforced Concrete for Fuel Burner Pumps	CY	1	29.70	81.60	2,424	134.00	3,980	0.00	0
Forced Draft Fans	TN	2	15.88	207.90	3,301	0.00	0	120.00	1,906
Motors for Forced Draft Fans	TN	2	5.28	277.20	1,464	0.00	0	120.00	634
Forced Draft Foundation - Reinforced Concrete	CY	1	152.10	81.60	12,411	134.00	20,381	0.00	0
Ducts	TN	1	160.00	277.20	44,352	0.00	0	120.00	19,200
Duct Insulation	CY	1	240.00	1,250.00	300,000	100.00	24,000	0.00	0
Reinf Concrete for F.O., Stm, Cond. Piping	CY	1	50.00	81.60	4,080	134.00	6,700	0.00	0
Subtotal					372,587		57,165		23,156
Boiler Equipment									
Concrete Reinforced Boiler Foundation Piers	CY	1	21.30	81.60	1,738	134.00	2,854	0.00	0
Concrete Deck Slabs	CY	1	40.70	81.60	3,321	134.00	5,454	0.00	0
Structural Steel	TN	1	768.80	207.90	159,834	0.00	0	120.00	92,256
Platform Grating and Handrail	TN	1	90.60	447.30	40,525	0.00	0	120.00	10,872
Gas Piping	TN	1	41.00	277.20	11,365	0.00	0	120.00	4,920
Steam Generation Unit - including:							0		
Drum	TN	1	91.18	207.90	18,956	0.00	0	120.00	10,942
Water walls	TN	1	241.73	207.90	50,256	0.00	0	120.00	29,008
Downcomers	TN	1	70.33	207.90	14,622	0.00	0	120.00	8,440
Airheater	TN	2	148.00	207.90	30,769	0.00	0	120.00	17,760
Superheater	TN	1	142.96	207.90	29,721	0.00	0	120.00	17,155
Reheater	TN	1	150.11	207.90	31,208	0.00	0	120.00	18,013
Economizer	TN	1	171.93	207.90	35,744	0.00	0	120.00	20,632
Boiler setting - Insulation	CY	1	600.00	1,250.00	750,000	100.00	60,000	0.00	0
Boiler setting - brick	CY	1	200.00	1,250.00	250,000	100.00	20,000	0.00	0
Copper pipe and tubing	TN	1	67.40	466.20	31,422	0.00	0	5,000.00	337,000

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of of Measure	Total Salvage Value
Model RIC Air Compressors	TN	1	3.65	447.30	1,633	0.00	0	120.00	438
Combust. Cntrl Eqpmnt - Reinforced Concrete	CY	1	21.30	81.60	1,738	134.00	2,854	0.00	0
Subtotal					1,462,852		91,162		567,435
Boiler Plant Auxiliaries									
Feed Water Heaters									
7th Extraction Point Crossover Heater	TN	1	31.50	207.90	6,549	0.00	0	120.00	3,780
11th Extraction Point - High Pressure Heater	TN	1	30.00	207.90	6,237	0.00	0	120.00	3,600
15th Extraction Point - Intermed. Pres. Htr.	TN	1	11.00	207.90	2,287	0.00	0	120.00	1,320
17th Extraction Point - Low Pressure Heater	TN	1	11.50	277.20	3,188	0.00	0	120.00	1,380
19th Extraction Point - Low Pressure Heater	TN	1	11.25	277.20	3,119	0.00	0	120.00	1,350
20th Extraction Point - Low Pressure Heater	TN	1	19.75	277.20	5,475	0.00	0	120.00	2,370
Deaerating Preheater	TN	1	3.25	207.90	676	0.00	0	120.00	390
Boiler Feed Pumps (including motors)	TN	3	57.75	207.90	12,006	0.00	0	120.00	6,930
Boiler Feed Pump Ventilation - Fans	TN	1	3.49	207.90	726	0.00	0	120.00	419
Boiler Feed Pumps Reinforced Concrete	CY	1	62.60	81.60	5,108	134.00	8,388	0.00	0
Intermediate Pressure Heater Drain Pumps	TN	2	3.18	277.20	881	0.00	0	120.00	382
I.P. Heater Drain Pumps - Reinforced Concrete	CY	1	2.20	81.60	180	134.00	295	0.00	0
Condensate Storage Tank - Reinforced Concrete	CY	1	5.90	81.60	481	134.00	791	0.00	0
Condensate Storage Tank - 60000 gal cap	TN	1	16.50	277.20	4,574	0.00	0	120.00	1,980
Condensate Collecting Tank	TN	1	2.50	277.20	693	0.00	0	120.00	300
Combustion and Feedwater Controls	TN	1	1.78	447.30	796	0.00	0	120.00	214
Feedwater Regulator Valves	TN	1	5.75	207.90	1,195	0.00	0	120.00	690
Reverse Current Valves	TN	1	1.28	207.90	266	0.00	0	120.00	154
Condensate Return Cooler w/158.5 sq ft surf.	TN	1	1.60	277.20	444	0.00	0	120.00	192
Blowoff Tank - 6' dia, 7'7" high	TN	1	6.30	207.90	1,310	0.00	0	120.00	756
Blowoff Tank - Reinforced Concrete	CY	1	4.90	81.60	400	134.00	657	120.00	0
Subtotal					56,589		10,130		26,206
Boiler Plant Piping									
General Piping (includes system valves)									
2.5" & Under - Pipe, Valves & Fittings	TN	1	1.79	277.20	496	0.00	0	120.00	215
2.5" & Under - Insulation	CY	1	160.00	1,250.00	200,000	100.00	16,000	0.00	0
2.51" - 8" - Pipe, Valves & Fittings	TN	1	89.64	277.20	24,848	0.00	0	120.00	10,757
2.51" - 8" - Insulation	CY	1	225.00	1,250.00	281,250	100.00	22,500	0.00	0
Over 8 " - Pipe, Valves & Fittings	TN	1	109.38	207.90	22,740	0.00	0	120.00	13,126
Over 8 " - Insulation	CY	1	89.04	63.00	5,610	31.00	2,760	0.00	0
Extraction Steam Valves	TN	1	1.05	207.90	218	0.00	0	120.00	126
Main Steam Stop Valves	TN	2	13.00	207.90	2,703	0.00	0	120.00	1,560
Combined Reheat Stop Valves	TN	2	18.00	207.90	3,742	0.00	0	120.00	2,160
Subtotal					541,607		41,260		27,943
Induced Draft Equipment									
Stack Breeching	CY	1	173.50	81.60	14,158	134.00	23,249	0.00	0
Foundation - Reinforced Concrete I.D. Fans	CY	1	63.10	81.60	5,149	134.00	8,455	0.00	0
Induced Draft Fans	TN	2	23.70	207.90	4,927	0.00	0	120.00	2,844
Motors for Induced Draft Fans	TN	2	11.30	277.20	3,132	0.00	0	120.00	1,356
Dust Separators	TN	2	154.00	207.90	32,017	0.00	0	120.00	18,480
Dust Separators - Reinforced Concrete	CY	1	4.80	81.60	392	134.00	643	0.00	0
Soot Disposal Discharge Reinforced Concrete	CY	1	14.20	81.60	1,159	134.00	1,903	0.00	0
150' Stack with Inner Radial Brick Lining	CY	1	187.50	81.60	15,300	134.00	25,125	0.00	0
Concrete Stack Fndtn - Reinforced Concrete	CY	1	290.80	81.60	23,729	134.00	38,967	0.00	0

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of of Measure	Total Salvage Value
Concrete Stack Fndtn - Concrete	CY	1	390.80	32.64	12,756	134.00	52,367	0.00	0
Subtotal					112,718		150,710		22,680
Miscellaneous Equipment & Steel	TN	1	85.79	447.30	38,374	0.00	0	120.00	10,295
Total Account 312					2,584,728		350,428		677,715
FERC Account 314									
Turbogenerator Unit									
Concrete Pedestal									
Reinforced Concrete	CY	1	568.50	81.60	46,390	134.00	76,179	120.00	0
Subtotal					46,390		76,179		0
Turbogenerator Equipment									
Turbine Generator	TN	1	475.00	157.50	74,813	0.00	0	120.00	57,000
Turbine Generator Copper	TN	1	10.45	617.40	6,452	0.00	0	5,000.00	52,250
Turbine Generator Access Foundations	CY	1	14.60	81.60	1,191	134.00	1,956	0.00	0
Turbine Plant Piping	TN	1	207.20	277.20	57,436	0.00	0	120.00	24,864
Turbine Insulation	CY	1	370.00	63.00	23,310	31.00	11,470	0.00	0
Turbine Insulation - Asbestos	CY	1	196.00	1,250.00	245,000	100.00	19,600	0.00	0
Subtotal					408,202		33,026		134,114
Condensers and Auxiliaries									
Condenser - 65000 sq ft, single shell w/1600 cu ft hotwell storage. Incls 9524 almn-brs tubes.									
Condenser Shell	TN	1	238.00	207.90	49,480	0.00	0	120.00	28,560
Condenser Tubes	TN	1	69.95	207.90	14,543	0.00	0	2,800.00	195,860
Condenser Foundation - Reinforced Concrete	CY	1	5.90	81.60	481	134.00	791	0.00	0
Subtotal					64,504		791		224,420
Auxiliary Equipment									
Condensate Pumps - w/300 hp motors	TN	3	17.25	277.20	4,782	0.00	0	120.00	2,070
Steam Jet Air Ejectors	TN	1	2.50	277.20	693	0.00	0	120.00	300
Silencers for Blowoff Tank	TN	1	2.58	277.20	715	0.00	0	120.00	310
Subtotal					6,190		0		2,680
Cooling Water Equipment									
Cooling Water Pumps - Aurora 2000 gpm w/60 hp	TN	2	1.20	277.20	333	0.00	0	120.00	144
Cooling Water Pumps - Reinforced Concrete	CY	1	0.40	81.60	33	134.00	54	0.00	0
Cooling Water Heat Exchangers - 1 mil #/hr	TN	1	6.15	277.20	1,705	0.00	0	120.00	738
Reinf Concr for Cooling Water Heat Exchangs.	CY	1	0.90	81.60	73	134.00	121	0.00	0
Subtotal					2,144		174		882
Miscellaneous Equipment & Steel	TN	1	24.17	447.30	10,811	0.00	0	120.00	2,900
Total Account 314					538,240		110,170		364,996
FERC Account 315									
Accessory Electrical Equipment									
Foundations and Structures									
Generator Leads & Supports									

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of of Measure	Total Salvage Value
Reinforced Concrete	CY	1	47.60	81.60	3,884	134.00	6,378	0.00	0
Structural Steel	TN	1	20.97	207.90	4,360	0.00	0	120.00	2,516
Generator Leads Enclosures	TN	1	19.35	277.20	5,364	0.00	0	120.00	2,322
Manholes & Handholes - Reinforced Concrete	CY	1	46.40	81.60	3,786	134.00	6,218	0.00	0
Auxiliary Power Trnsfrmr - Reinforced Concr.	CY	1	5.50	81.60	449	134.00	737	0.00	0
Station Service Trnsfrmrs - Reinforced Concr.	CY	1	13.00	81.60	1,061	134.00	1,742	0.00	0
Metal Clad 2400 v Switchgear - Reinf. Concr.	CY	1	31.00	81.60	2,530	134.00	4,154	0.00	0
Subtotal					21,433		19,229		4,838
Power Conversion Equipment									
2400 V Metal Clad Switchgear	TN	2	36.00	447.30	16,103	0.00	0	120.00	4,320
480 V Metal Clad Switchgear	TN	2	30.00	447.30	13,419	0.00	0	120.00	3,600
Main Exciter	TN	1	15.08	447.30	6,745	0.00	0	120.00	1,810
Starting Transformer	TN	1	9.00	447.30	4,026	0.00	0	120.00	1,080
Transformer Copper	TN	1	3.60	466.20	1,678	0.00	0	5,000.00	18,000
Conduit	TN	1	56.50	447.30	25,272	0.00	0	120.00	6,780
Concrete	CY	1	518.10	32.64	16,911	134.00	69,425	0.00	0
Station Insulators	TN	1	8.10	447.30	3,623	0.00	0	120.00	972
Generator Leads - Copper	TN	1	16.00	756.00	12,096	0.00	0	5,000.00	80,000
Buss Fittings	TN	1	3.90	447.30	1,744	0.00	0	120.00	468
Power Wiring	TN	1	26.74	756.00	20,215	0.00	0	2,100.00	56,154
Control Wiring	TN	1	25.79	756.00	19,497	0.00	0	2,100.00	54,159
Other Cable	TN	1	2.30	756.00	1,739	0.00	0	2,100.00	4,830
Rigid Steel Conduit		1	8.29	277.20	2,298	0.00	0	120.00	995
Subtotal					145,367		69,425		233,167
Total Account 315					166,800		88,654		238,006
FERC Account 316									
Miscellaneous Power Plant Equipment									
Air Compressor System	TN	2	4.30	277.20	1,192	0.00	0	120.00	516
Total Account 316					1,192		0		516
TOTAL CUTLER UNIT 6					3,688,439		903,669		1,359,288
TOTAL CUTLER COMMON & UNITS 5 & 6					6,416,135		2,149,969		2,759,276

DeSoto Solar Energy Center

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DeSoto Solar Energy Center

The site of DeSoto Next Generation Solar Energy Center is near Arcadia, in West Florida. The 25 MW facility is expected to go in-service by the end of 2009 and will be the largest solar photovoltaic (PV) power plant in the world. Its solar panels will provide electricity for about 3,000 homes over 30 years.

The plant will employ new technologies that will make its solar energy generation capability more efficient than other photovoltaic plants.

The use of bifacial (two-sided) solar panels will permit the capture of indirect as well as direct rays of the sun, thus permitting more power to be generated per solar cell. Special surfaces on the back of the new-technology solar panels capture and convert the indirect sunlight into additional electricity, thereby improving efficiency.

This filing is the first time that Florida Power & Light has requested dismantlement accruals for this DeSoto Solar Energy Center.

Due to the early stage of construction of the DeSoto solar station, the equipment list and related information used for the development of its dismantlement calculation is not, at this point, definitive and will be need to be updated and improved upon in future dismantlement studies.

The economic recovery date of this solar energy station is 2039. The dismantlement of the facility is assumed to require two years beginning in 2044.

DESOTO PHOTOVOLTAIC SOLAR PLANT
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	DeSoto Photovoltaic Plant				
	Production Plant				
343	Prime Movers	632,046	89,785	193,442	528,388
345	Accessory Electrical Equipment	15,215	19,525	22,060	12,680
	Subtotal	647,261	109,310	215,502	541,068
	Other Site Costs:				
	Site Management Expenses	564,984			564,984
	Subtotal	564,984	0	0	564,984
	Total Common excluding M&S	1,212,245	109,310	215,502	1,106,052
	Contingency - 16%	16%	16%		0
	De Soto Contingency	193,959	17,490	0	211,449
	Total Including Contingency	1,406,204	126,800	215,502	1,317,501
	Total Common Including Unusable M&S	1,406,204	126,800	215,502	1,317,501

DESOTO SOLAR PHOTOVOLTAIC PLANT

DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
DeSoto Solar Energy Ctr	843,722	562,481	126,800	215,502	1,317,501
Total	843,722	562,481	126,800	215,502	1,317,501

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.

Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs.

Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.

Salvage is 100% of Salvage from Summary of Dismantlement Costs.

DESOTO SOLAR SITE DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground sewer and water piping and electrical conduits;

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for the site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

Any switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However, the dismantlement cost of substation equipment is not included in this study so as to avoid duplicating recovery of expense already included in the net salvage factor of the substation plant accounts' depreciation rates.

It is assumed that dismantlement activity at DeSoto will begin five years after end of service. The economic recovery dates used for this assumption are as follows:

Units	Economic Recovery Date
DeSoto 25 MW	2039

It is assumed that any insulation material used at DeSoto will not be hazardous material.

DISMANTLING ACTIVITIES: SOLAR UNITS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, equipment foundations, substructures, support buildings. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.
- Remove top soil/gravel, backfill, and remove foundation.
- Backfill, site grading, seeding and mulching.

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the DeSoto Solar Energy Center. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$38.20	X	6	=	$229.22
Foreman	$49.12	X	1	=	$49.12
Heavy Equipment Operator	$46.22	X	1	=	$46.22
Total Cost per hour of 8 man crew					$324.56
Cost per man hour		$324.56	/ 8	=	$40.57

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator				34,370.00
Front End Loader				6,824.90
Cutting Equipment				231.75
Total per month				$41,426.65
41,426.65	/ 176	hours per month =		235.38
Cost per man hour		$235.38	/ 8 =	$29.42
Plus: amount for small tools				1.00
Total Cost per man hour				$30.42

DESOTO DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$40.57
Equipment	30.42
Total	$70.99
Rounded	$71.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$76.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$71.00	2.50 MH / Ton	$177.50 / Ton
Heavy Steel (2)	$71.00	3.30 MH / Ton	$234.30 / Ton
General Steel	$71.00	4.40 MH / Ton	$312.40 / Ton
Light Steel	$71.00	7.10 MH / Ton	$504.10 / Ton
Concrete (also used for fiberglass pip	$76.00	0.48 MH / CY	$36.48 / CY
Reinforced Concrete	$76.00	1.20 MH / CY	$91.20 / CY
Copper-Elect. Cable &			
Generator Leads &	$71.00	12.00 MH / Ton	$852.00 / Ton
Copper - Generator	$71.00	9.80 MH / Ton	$695.80 / Ton
Copper - Transformer	$71.00	7.40 MH / Ton	$525.40 / Ton
General Insulation	$71.00	1.00 MH / CY	$71.00 / CY
Inground Pipe-Metal(3)	$71.00	6.00 MH / Ton	$426.00 / Ton
Concrete Pipe	$76.00	4.60 MH / Ton	$349.60 / CY
Asbestos Insulation			$1,353.00 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Gulf Disposal WM Landfill. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of $39.75/ton was obtained from the Landfill. The dumpster rate are $325 per haul for a 20 cubic yard dumpster and $375 per haul for a 30 cubic yard dumpster. There is a four ton deductible for the 20 cubic yard dumpster and a six ton deductible for the larger, 30 cubic yard dumpster.

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located appropriately in the detailed spreadsheet.

DESOTO DISMANTLEMENT STUDY

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Truck Cost (incl. driver)	$325.00	/ haul	X	1 haul	=	$325.00	
Tipping Fees	$39.75	/ ton	X	26.5 tons	=	$1,053.38	
Total Cost per round Trip						1,378.38	4 ton deductible
Cost per Cubic Yard	$1,378.38	/ 15.38 cubic yards =				$89.62	
Plus 10% contractor profit						8.96	
Total Cost per Cubic Yard						$98.58	
Rounded Cost per Cubic Yard						$99.00	

Insulation - Calcium Silicate

A trailer with a 30 cubic yard capacity is used for insulation because of its lighter weight. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons. 1.82 tons is less than the six ton deductible so the tipping fee is included in the per haul charge.

Insulation -Calcium Silicate

Truck Cost (incl. driver)	$375.00	/ haul	X	1 haul	=	$375.00	
Tipping Fees	$39.75	/ ton	X	0 tons	=	0.00	
Total Cost per round Trip						375.00	6 ton deductible
Cost per Cubic Yard	$375.00	/27 cubic yards =				$13.89	
Plus 10% contractor profit						1.39	
Total Cost per Cubic Yard						$15.28	
Rounded Cost per Cubic Yard						$15.00	

DESOTO DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month. These expenses are assumed to be incurred over the 12 month dismantlement period assumed for the DeSoto Solar Energy Center. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management supervision, security and other costs.

Site Management Expenses per month	$47,082
Number of months	12
Total Site Management Expenses	$564,984

Desoto Photovoltaic Station Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Desoto Photovoltaic									
Account 343 Prime Movers									
Solar Thermal System									
Foundation	1	906.77	CY	91.20	82,697	99.00	89,770	120.00	0
Solar Panels	1	0.53	TN	234.30	124	0.00	0	120.00	64
Tracking System	1	350.69	TN	312.40	109,555	0.00	0	120.00	42,083
Enclosure (pre-cast building)	1	2.66	TN	312.40	831	0.00	0	120.00	319
Solar Collection Element (steel frame)	1	0.36	TN	312.40	114	0.00	0	120.00	44
Support Structure	1	1,242.78	TN	312.40	388,244	0.00	0	120.00	149,133
Isulation	1	645.00	CY	71.00	45,795	71.00	15	0.00	0
Switch Gear	1	15.00	TN	312.40	4,686	0.00	0	120.00	1,800
					632,046		89,785		193,442
Account 345 -Accessory Electric Equipment									
Solar Thermal System									
AC Wiring	1	5.00	TN	312.40	1,562	0.00	0	2,100.00	10,500
DC Wiring	1	3.99	TN	312.40	1,246	0.00	0	2,100.00	8,379
Electrical Raceway	1	20.24	TN	312.40	6,322	0.00	0	120.00	2,429
Inverters	1	5.53	TN	312.40	1,729	0.00	0	120.00	664
Isulation	1	275.00	CY	15.00	4,125	71.00	19,525	0.00	0
Circuit Breaker	1	0.74	TN	312.40	230	0.00	0	120.00	89
					15,215		19,525		22,060
Solar Totals					647,261		109,310		215,502

Ft. Lauderdale Plant

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Fort Lauderdale Plant

The Fort Lauderdale Plant is located in Broward County near Dania, Florida. Units No. 4 and 5 have been repowered by changing the main steam source from a conventional boiler to a combined cycle unit that employs Combustion Turbines (CTs) and Heat Recovery Steam Generators (HRSGs). The Westinghouse 501F CTs produce electrical energy by their direct connection to an electric generator. By utilizing the otherwise wasted heat from the combustion turbines, the repowered units are significantly more efficient. The existing steam turbines, electric generators, and associated condenser cooling system continue in service as part of the repowered units. The existing condensing cooling water system draws brackish cooling water from the Dania Cut-Off Canal through intake structures. The water is cooled in a man-made canal/pond system and is discharged to the South Fork New River.

The repowered units burn natural gas or light oil. The site is served by the existing natural gas and light oil pipelines, as well as by a new gas pipeline lateral. The two units have a combined maximum generator nameplate rating of 1,042 megawatts. The commercial operation dates were May 24, 1993 and June 9, 1993 for Units No. 4 and 5 respectively. For purposes of this dismantlement study, the economic recovery dates are:

Unit	Year
Unit 4:	2020
Unit 5:	2020
Common:	2020

The dismantlement of the plants is assumed to require 2 years beginning five years after those dates.

There are also twenty-four gas turbine modules located at the plant in two groups of twelve units each. These gas turbine modules are used as peaking units only and are fueled by natural gas or #2 light oil as an alternative fuel. The combined maximum generator nameplate rating for the gas turbines is 822 megawatts. For purposes of this study, the economic recovery date of the gas turbines at Ft. Lauderdale is 2020.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Fort Lauderdale plant in Docket No. 070378-EI, Order No. PSC-08-0095-PAA-EI, issued on February 14, 2008. The current accruals became effective as of January 1, 2007.

FT. LAUDERDALE
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Ft. Lauderdale Common				
	Production Plant				
341	Structures and Improvements	3,041,497	3,074,945	777,000	5,339,441
342	Fuel Holders, Producers, and Accessories	20,545	12,512	9,240	23,817
343	Prime Movers	310,774	108,140	275,280	143,634
344	Generators	0	0	0	0
345	Accessory Electric Equipment	178,806	27,416	230,220	(23,998)
346	Miscellaneous Power Plant Equipment				
	Subtotal	3,551,622	3,223,013	1,291,740	5,482,895
	Other Site Costs:				
	Site Management Expenses	1,129,968			1,129,968
	Other Site Contamination - Special Waste	336,666			336,666
	Intake & Discharge Backfill	123,371			123,371
	Grading & Seeding	2,905,560			2,905,560
	Subtotal	4,495,565	0	0	4,495,565
	Total	8,047,187	3,223,013	1,291,740	9,978,460
	Contingency - 16%	1,287,550	515,682		1,803,232
	Total Ft. Lauderdale Common	9,334,737	3,738,695	1,291,740	11,781,692
	Unusable M&S Inventory	5,951,201		595,120	5,356,081
	Total Ft. Lauderdale Common including Unusable M&S Inventory	15,285,938	3,738,695	1,886,860	17,137,773
	Ft. Lauderdale Unit 4				
341	Structures and Improvements	1,588,122	967,104	429,840	2,125,386
342	Fuel Holders, Producers, and Accessories	235,188	51,463	71,112	215,539
343	Prime Movers	1,604,080	264,504	884,600	983,984
344	Generators	586,927	302,845	375,548	514,224
345	Accessory Electric Equipment	575,082	165,312	635,530	104,864
346	Miscellaneous Power Plant Equipment	33,653	23,644	5,760	51,537
	Subtotal	4,623,052	1,774,872	2,402,390	3,995,533
	Contingency - 16%	739,688	283,979		1,023,668
	Total Ft. Lauderdale Unit 4	5,362,740	2,058,851	2,402,390	5,019,201
	Ft. Lauderdale Unit 5				
341	Structures and Improvements	313,709	254,932	38,280	530,361
342	Fuel Holders, Producers, and Accessories	155,561	28,071	46,752	136,879
343	Prime Movers	1,316,975	152,628	827,080	642,523
344	Generators	582,832	299,073	706,688	175,216
345	Accessory Electric Equipment	486,283	133,572	552,570	67,285
346	Miscellaneous Power Plant Equipment	22,920	13,340	4,800	31,460
	Subtotal	2,878,279	881,616	2,176,170	1,583,724
	Contingency - 16%	460,525	141,059		601,583
	Total Ft. Lauderdale Unit 5	3,338,803	1,022,674	2,176,170	2,185,307
	Ft. Lauderdale Gas Turbines				
341	Structures and Improvements	12,240	13,800	0	26,040
342	Fuel Holders, Producers, and Accessories	0	0	0	0
343	Prime Movers	522,245	0	226,080	296,165
344	Generators	6,924	0	18,864	-11,940
345	Accessory Electric Equipment	5,796	0	26,500	-20,704
346	Miscellaneous Power Plant Equipment	0	0	0	0
	Subtotal	547,205	13,800	271,444	289,561
	Contingency - 16%	87,553	2,208		89,761
	Total Ft. Lauderdale Gas Turbines	634,757	16,008	271,444	379,321
	Total Dismantlement Costs	24,622,239	6,836,228	6,736,864	24,721,603

FT. LAUDERDALE
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Ft. Lauderdale Common	5,800,842	9,685,096	3,736,595	1,886,860	17,137,773
Ft. Lauderdale Unit 4	3,217,644	2,145,098	2,058,851	2,402,390	5,019,201
Ft. Lauderdale Unit 5	2,003,282	1,335,521	1,022,674	2,176,170	2,185,307
Ft. Lauderdale Gas Turbines	380,854	253,903	16,008	271,444	379,321
Total	11,202,623	13,419,616	6,836,228	6,736,864	24,721,603

Labor is 60% of Removal Cost(excluding unusable inventory) from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost (excluding unusable inventory) from Summary of Dismantlement Costs, plus unusable inventory.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

FT. LAUDERDALE DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The fuel oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits (underground concrete piping to be collapsed);

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

FT. LAUDERDALE DISMANTLEMENT ASSUMPTIONS (continued)

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However, the dismantlement cost of substation equipment in not included in this study, so as to avoid the possibility of duplicating recovery of costs already included in the net salvage factor of the substation plant accounts' depreciation rates.

An expandable grout will be used to remove the turbine pedestals. The chimneys will be control-blasted.

It is assumed that dismantlement activity at Ft. Lauderdale will begin five years after end of service. The economic recovery dates used for this assumption are as follows:

Units	Economic Recovery Date
Unit 4	2020
Unit 5	2020
Common	2020

Ft. Lauderdale is an asbestos free site.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove hazardous materials; i.e., leads (alkaline), acids, solvents, lubricants, oils, chemicals, and gasses.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines and backfill trenches.
- Remove main steam, hot and cold piping, downcomers, valves, and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove intake and discharge structures, equipment pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS
(Continued)

- Remove gas supply metering site, valve stations, underground distribution system.
- Remove solid and liquid wastes from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove fuel oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the Lauderdale Units 4 & 5. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$33.05	X	6	=	$198.33
Foreman	$41.96	X	1	=	$41.96
Heavy Equipment Operator	$39.99	X	1	=	$39.99
Total Cost per hour of 8 man crew					$280.28
Cost per man hour		$280.28	/ 8	=	$35.04

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator				31,395.00
Front End Loader				6,234.15
Cutting Equipment				231.97
Total per month				$37,861.12
37,861.12	/ 176	hours per month =		215.12
Cost per man hour		$215.12	/ 8 =	$26.89
Plus: amount for small tools				1.00
Total Cost per man hour				$27.89

Equipment & Labor Summary

Labor	$35.04
Equipment	27.89
Total	$62.93
Rounded	$63.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$68.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$63.00	2.50 MH / Ton	$157.50 / Ton
Heavy Steel (2)	$63.00	3.30 MH / Ton	$207.90 / Ton
General Steel	$63.00	4.40 MH / Ton	$277.20 / Ton
Light Steel	$63.00	7.10 MH / Ton	$447.30 / Ton
Concrete	$68.00	0.48 MH / CY	$32.64 / CY
Reinforced Concrete	$68.00	1.20 MH / CY	$81.60 / CY
Copper-Elect. Cable & Generator Leads &	$63.00	12.00 MH / Ton	$756.00 / Ton
Copper - Generator	$63.00	9.80 MH / Ton	$617.40 / Ton
Copper - Transformer	$63.00	7.40 MH / Ton	$466.20 / Ton
General Insulation	$63.00	1.00 MH / CY	$63.00 / CY
Inground Pipe-Metal(3)	$63.00	6.00 MH / Ton	$378.00 / Ton
Concrete Pipe	$68.00	4.60 MH / Ton	$312.80 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Central Landfill located at 7101 S.W. 205 Avenue in Ft. Lauderdale, Florida. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee is $30 per ton for both concrete and calcium silicate insulation. The dumpster charge is $525.00 per haul for a 20 cubic yard dumpster (5 tons deductible) and $650 per haul for a 30 cubic yard size dumpster (7 tons deductible). These rates were obtained from Waste Mangement.

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's

system, and are located appropriately in the detailed spreadsheet.

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. Once cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Dumpster Charge per haul						525.00
Tipping Fee	$30.00	/TN	X	25.5 TN	=	765.00
subtotal						1,290.00
Cost per Cubic Yard	$1,290.00	/ 15.38 cubic yards =				$83.88
Plus 10% contractor profit						8.39
Total Cost per Cubic Yard						$92.26
Rounded Cost per Cubic Yard						$92.00

Insulation - Calcium Silicate (Non-Hazardous)

A trailer with a 30 cubic yard capacity is used for insulation because of its lighter weight. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., 30 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds, or .06075 tons/cubic yard = 1.82 tons.

Dumpster Charge per haul						$650.00
Tipping Fees	$74.00	/ TN	X	0 TN	=	0.00
Total Cost per round Trip						$650.00
Cost per Cubic Yard	$650.00	/ 27 cubic yards =				$24.07
Plus 10% contractor profit						2.41
Total Cost per Cubic Yard						$26.48
Rounded Cost per Cubic Yard						$26.00

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month for site indirect costs.. These expenses are to be incurred over the 24 month dismantlement period for the Ft. Lauderdale Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management,. supervison, security, etc..

Site Management Expenses per month	$47,082
Number of months	24
Total Site Management Expenses	$1,129,968

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. Construction Estimating has updated the costs. The charge for the Intake is $44,128; the cost for the discharge is $35,115. Ft. Lauderdale has 2 Intakes and 1 Discharge:

Quantity		Cost/ Struct		
2	Intake Structures at :	$44,128	equals:	$88,256
1	Discharge Structures at:	$35,115	equals:	$35,115
Total Cost to Backfill Intake & Discharge Structures equals:				$123,371

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is $63,579 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Lauderdale Acreage to be graded and seeded	45.70
Cost Factor	$63,579
Total Grading and Seeding Expense	$2,905,560

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At Ft. Lauderdale, the following cost estimates have been identified:

Description	Amount
Lead in paint	300
Special Waste	335,344
Tanks/Washwater	1,022
Total	$336,666

Fort Lauderdale

Removal, Disposal & Salvage Cost Worksheet	U/M Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Common Facilities								
Account 341: Structures & Improvements								
Concrete - Discharge Structure	CY	204	81.60	16,646	92.00	18,768	0.00	0
Pavement	CY	3,500	32.64	114,240	92.00	322,000	0.00	0
Concrete Drain Pipe & Supports	CY	53	32.64	1,722	92.00	4,855	0.00	0
Water Treatment Equipment	TN	29	277.20	8,039	0.00	0	120.00	3,480
Piping	TN	8	277.20	2,218	0.00	0	120.00	960
Pumping Equipment	TN	122	277.20	33,818	0.00	0	120.00	14,640
Concrete Mats	CY	1,784	32.64	58,230	92.00	164,128	0.00	0
Concrete Basement Floors	CY	2,861	32.64	93,383	92.00	263,212	0.00	0
Structural Steel	TN	365	207.90	75,884	0.00	0	120.00	43,800
Platforms, Hndrls & Gratings	TN	60	277.20	16,632	0.00	0	120.00	7,200
Concrete Floors and Roof	CY	221	32.64	7,213	92.00	20,332	0.00	0
Cranes and Hoists	TN	151	207.90	31,393	0.00	0	120.00	18,120
Elevator	TN	9	277.20	2,495	0.00	0	120.00	1,080
Plumbing and Building Drainage	TN	15	277.20	4,158	0.00	0	120.00	1,800
Oil Storage Tank	TN	460	n/a	102,270	0.00	0	120.00	55,200
Oil Storage Tank Cleaning	n/a	n/a	n/a	0	n/a	350,000	n/a	0
Soil Remediation	n/a	n/a	n/a	0	n/a	74,538	n/a	0
Concrete Foundations	CY	184	81.60	15,014	92.00	16,928	0.00	0
Fire Walls	CY	11,991	32.64	391,386	92.00	1,103,172	0.00	0
Piping & Supports	TN	129	277.20	35,759	0.00	0	120.00	15,480
Pumps	TN	3	277.20	832	0.00	0	120.00	360
Heaters	TN	22	277.20	6,098	0.00	0	120.00	2,640
Administration Building	TN	4,358	277.20	1,208,038	0.00	0	120.00	522,960
Misc Eq Foundations	CY	1,817	81.60	148,267	92.00	167,164	0.00	0
Thrust Blocks	CY	9	32.64	294	92.00	828	0.00	0
Pipe 4" or > Fire Protection	TN	3	207.90	624	0.00	0	120.00	360
Valve, manual	TN	2	207.90	416	0.00	0	120.00	240
Large Pipe Supports	TN	1	207.90	208	0.00	0	120.00	120
2.5" & > - 6" - 8" Carbon Steel Pipe	TN	5	277.20	1,386	0.00	0	120.00	600
2.5" & > - 10" - 14" Carbon Steel Pipe	TN	25	277.20	6,930	0.00	0	120.00	3,000
Reinforced Concrete	CY	682	81.60	55,651	92.00	62,744	0.00	0
Reinforced Concrete - Other	CY	71	81.60	5,794	92.00	6,532	0.00	0
Miscellaneous Foundations - Concrete	CY	23	32.64	751	92.00	2,116	0.00	0
Fiberglass Above Ground Piping	CY	35	32.64	1,142	92.00	3,220	0.00	0
10" - 14" Fiberglass Piping - Above Ground	CY	3	32.64	98	92.00	276	0.00	0
Special Piping - Fiberglass -Above Ground	CY	11	32.64	359	92.00	1,012	0.00	0
WT & WWT - Makeup Demin & Aux	TN	1	277.20	277	0.00	0	120.00	120
WT & WWT - DeGas Equipment	TN	2	277.20	554	0.00	0	120.00	240
WT & WWT - Reverse Osmosis Equipment	TN	12	277.20	3,326	0.00	0	120.00	1,440
WT & WWT - Reverse Osmosis Equipment	TN	1	277.20	277	0.00	0	120.00	120
WT & WWT - Makeup Demin & Aux	TN	2	277.20	554	0.00	0	120.00	240
Reinforced Concrete - Pits, Sumps & Ramps	CY	52	81.60	4,243	92.00	4,784	0.00	0
Reinforced Concrete - Slab on Grade	CY	2,379	81.60	194,126	92.00	218,868	0.00	0
Reinforced Concrete - Walls	CY	138	81.60	11,261	92.00	12,696	0.00	0
Misc. Steel - Grating	TN	8	447.30	3,578	0.00	0	120.00	960
Handrail, Checkplate	TN	6	447.30	2,684	0.00	0	120.00	720
WT & WWT - Makeup Demin & Aux	TN	2	277.20	554	0.00	0	120.00	240
Reinforced Concrete - Pits, Sumps& Ramps	CY	384	81.60	31,334	92.00	35,328	0.00	0
Reinforced Concrete - Slab on Grade	CY	167	81.60	13,627	92.00	15,364	0.00	0
Reinforced Concrete - Foundations	CY	375	81.60	30,600	92.00	34,500	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	17	81.60	1,387	92.00	1,564	0.00	0
Handrail, Checkplate	TN	20	277.20	5,544	0.00	0	120.00	2,400
Large Pipe Supports	TN	9	207.90	1,871	0.00	0	120.00	1,080
WT & WWT - Interconnecting SB Pipe	TN	3	277.20	832	0.00	0	120.00	360

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Special Piping - Fiberglass -Above Ground	CY	80	32.64	2,611	92.00	7,360	0.00	0
Hangers & Supports - Large Bore	TN	8	277.20	2,218	0.00	0	120.00	960
Large Pipe Supports	TN	15	277.20	4,158	0.00	0	120.00	1,800
WT & WWT - Interconnecting LB Pipe S	TN	79	277.20	21,899	0.00	0	120.00	9,480
Special Piping - Fiberglass -Above Ground	CY	10	32.64	326	92.00	920	0.00	0
Special Piping - Fiberglass -Above Ground	CY	8	32.64	261	92.00	736	0.00	0
Special Piping - Fiberglass -Above Ground	CY	22	32.64	718	92.00	2,024	0.00	0
Special Piping - Fiberglass -Above Ground	CY	11	32.64	359	92.00	1,012	0.00	0
Special Piping - Fiberglass -Above Ground	CY	338	32.64	11,032	92.00	31,096	0.00	0
WT & WWT - Oily Water Separator Syst	TN	4	277.20	1,109	0.00	0	120.00	480
WT & WWT - WWT System	TN	7	277.20	1,940	0.00	0	120.00	840
WT & WWT - Oily Water Separator Syst	TN	1	277.20	277	0.00	0	120.00	120
WT & WWT - WWT System	TN	6	277.20	1,663	0.00	0	120.00	720
WWT TANKS	TN	44	277.20	12,197	0.00	0	120.00	5,280
WT & WWT - Oily Water Separator Syst	TN	3	277.20	832	0.00	0	120.00	360
Large Pipe Supports	TN	6	207.90	1,247	0.00	0	120.00	720
2" & Under Carbon Steel Above Ground	TN	6	277.20	1,663	0.00	0	120.00	720
Small Piping - Carbon Steel	TN	6	277.20	1,663	0.00	0	120.00	720
ELT 2.5" & > - 2.5" - 4" Carbon Steel Pipe	TN	19	277.20	5,267	0.00	0	120.00	2,280
Large Pipe Supports	TN	3	277.20	832	0.00	0	120.00	360
6" - 8" Carbon Steel Pipe Above Ground	TN	5	277.20	1,386	0.00	0	120.00	600
2.5" & > - 6"-8" Carbon Steel Pipe	TN	52	277.20	14,414	0.00	0	120.00	6,240
10" - 14" Carbon Steel Pipe Above Ground	TN	28	207.90	5,821	0.00	0	120.00	3,360
2.5" & > - 10"-14" Carbon Steel Pipe	TN	16	207.90	3,326	0.00	0	120.00	1,920
Pump/Tank/Heat - Service Water Pumps	TN	3	207.90	624	0.00	0	120.00	360
Reinforced Concrete - Utility Rack Foundations	CY	343	81.60	27,989	92.00	31,556	0.00	0
Reinforced Concrete - Utility Rack Foundations	CY	308	81.60	25,133	92.00	28,336	0.00	0
Reinforced Concrete - Foundations	CY	189	81.60	15,422	92.00	17,388	0.00	0
Reinforced Concrete - Walls	CY	186	81.60	15,178	92.00	17,112	0.00	0
Reinforced Concrete - Other	CY	107	81.60	8,731	92.00	9,844	0.00	0
Reinforced Concrete - Other	CY	6	81.60	490	92.00	552	0.00	0
Utility Rack- Structural Steel	TN	87	207.90	18,087	0.00	0	120.00	10,440
Utility Rack- Structural Steel	TN	28	207.90	5,821	0.00	0	120.00	3,360
Reinforced Concrete - Slab on Grade	CY	80	81.60	6,528	92.00	7,360	0.00	0
Reinforced Concrete - Other	CY	16	81.60	1,306	92.00	1,472	0.00	0
Architectural Features - Block Work	CY	17	32.64	555	92.00	1,564	0.00	0
Architectural Features - Stucco	CY	2	32.64	65	92.00	184	0.00	0
Precast Concrete - Roof Panels	CY	9	32.64	294	92.00	828	0.00	0
Reinforced Concrete - Other	CY	15	81.60	1,224	92.00	1,380	0.00	0
Structural Steel - RO Training Building	TN	25	207.90	5,198	0.00	0	120.00	3,000
Architectural Features - Roof Decking	CY	27	32.64	881	92.00	2,484	0.00	0
Architectural Features - Block Work	CY	27	32.64	881	92.00	2,484	0.00	0
Architectural Features - Stucco	CY	3	32.64	98	92.00	276	0.00	0
Precast Concrete - Roof Panels	CY	16	32.64	522	92.00	1,472	0.00	0
WT & WWT - Chemical Feed Equipment	TN	3	277.20	832	0.00	0	120.00	360
Water Treatment SBP	TN	4	277.20	1,109	0.00	0	120.00	480
WT & WWT - Interconnecting SB Pipe	TN	3	277.20	832	0.00	0	120.00	360
Water Treatment LBP	TN	3	277.20	832	0.00	0	120.00	360
WT & WWT - Interconnecting LB Pipe S	TN	178	277.20	49,342	0.00	0	120.00	21,360
Reinforced Concrete - Slab on Grade	CY	28	81.60	2,285	92.00	2,576	0.00	0
Account 341 Totals				3,041,497		3,074,945		777,000
Account 342: Fuel Holders, Producers, and Accessories								
Trenwa	CY	134	32.64	4,374	92.00	12,328	0.00	0
2.5" & > - 10"-14" CS Pipe	TN	13	207.90	2,703	0.00	0	120.00	1,560
2.5" & > - 20"-30" CS Pipe	TN	9	207.90	1,871	0.00	0	120.00	1,080
Pipe < 4"- Light Oil	TN	9	207.90	1,871	0.00	0	120.00	1,080

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Pipe4" Or >- Light Oil	TN	10	207.90	2,079	0.00	0	120.00	1,200
Valve, Manual Light Oil 4">	TN	1	207.90	208	0.00	0	120.00	120
Pipe Support 4" Or Larger	TN	2	207.90	416	0.00	0	120.00	240
Reinforced Concrete -Jet Fuel Line 8"	CY	2	81.60	163	92.00	184	0.00	0
Pipe 4" Or >-Jet Fuel 8"	TN	31	207.90	6,445	0.00	0	120.00	3,720
Valve, Manual - Jet Fuel 8"	TN	2	207.90	416	0.00	0	120.00	240
Account 342 Totals				20,545		12,512		9,240
Account 343: Prime Movers								
Firewalls	CY	245	32.64	7,997	92.00	22,540	0.00	0
Cooling Water Heat Exchangers	TN	11	277.20	3,049	0.00	0	120.00	1,320
L.P. Heater Drain Pump	TN	5	277.20	1,386	0.00	0	120.00	600
Well Cooling Water Pump	TN	3	277.20	832	0.00	0	120.00	360
Boiler Fill and Wash Pump	TN	1	277.20	277	0.00	0	120.00	120
Boiler Feed Pumps	TN	68	277.20	18,850	0.00	0	120.00	8,160
Concrete	CY	130	32.64	4,243	92.00	11,960	0.00	0
Condensate Storage Tank & Equip	TN	38	277.20	10,534	0.00	0	120.00	4,560
Condensate Storage Tank Fnd	CY	12	32.64	392	92.00	1,104	0.00	0
Piping	TN	402	277.20	111,434	0.00	0	120.00	48,240
Insulation	CY	458	63.00	28,854	26.00	11,908	0.00	0
Misc Steel & Equipment	TN	236	277.20	65,419	0.00	0	120.00	28,320
Pipe < 4"/Condens.Wash	TN	3	207.90	624	0.00	0	120.00	360
Instrumentation - Instrument Tubing	TN	1	447.30	447	0.00	0	120.00	120
Concrete - Other	CY	659	32.64	21,510	92.00	60,628	0.00	0
Large Pipe Supports	TN	7	207.90	1,455	0.00	0	120.00	840
2" & < Pipe SS Above Ground	TN	2	277.20	554	0.00	0	2,000.00	4,000
2.5" - 4" SS Pipe Above Ground	TN	4	277.20	1,109	0.00	0	2,000.00	8,000
2.5" & > - 2.5"- 4" SS Pipe	TN	9	277.20	2,495	0.00	0	2,000.00	18,000
Hangers & Supports - LB	TN	4	207.90	832	0.00	0	120.00	480
Large Pipe Supports	TN	15	207.90	3,119	0.00	0	120.00	1,800
6" - 8" SS Pipe Above Ground	TN	4	207.90	832	0.00	0	2,000.00	8,000
2.5" & > - 6"-8" SS Pipe	TN	68	207.90	14,137	0.00	0	2,000.00	136,000
WT & WWT - Chemical Feed Equipment	TN	6	207.90	1,247	0.00	0	120.00	720
Water Treatment Tanks	TN	33	207.90	6,861	0.00	0	120.00	3,960
WT & WWT - Chemical Feed Equipment	TN	5	207.90	1,040	0.00	0	120.00	600
Pump/Tank/Heat - Field Fabricated Tanks	TN	1	207.90	208	0.00	0	120.00	120
Pump/Tank/Heat - Condensate Pumps	TN	5	207.90	1,040	0.00	0	120.00	600
Account 343 Totals				310,774		108,140		275,280
Account 345: Accessory Electric Equipment								
Concrete - Ductbank	CY	43	32.64	1,404	92.00	3,956	0.00	0
Steel/Ductbank	TN	3	207.90	624	0.00	0	120.00	360
Conduit 2" OR >/Firemain	TN	1	447.30	447	0.00	0	120.00	120
Cable Tray	TN	11	447.30	4,920	0.00	0	120.00	1,320
Duct Bank	TN	3	447.30	1,342	0.00	0	120.00	360
MCC Switchgear Section	TN	50	277.20	13,860	0.00	0	120.00	6,000
Wire < 4/0 (PWR)/Firemain	TN	1	756.00	756	0.00	0	120.00	120
Concrete	CY	12	32.64	392	92.00	1,104	0.00	0
Wire < 4/0 (PWR)	TN	3	756.00	2,268	0.00	0	2,100.00	6,300
Conduit 2"Or > - Cond.&Raceway	TN	21	447.30	9,393	0.00	0	120.00	2,520
Sched Conduit - RGS Cond W/Supports 2.5" >	TN	14	447.30	6,262	0.00	0	120.00	1,680
Sched Conduit - RGS Cond W/Supports 2.5" >	TN	25	447.30	11,183	0.00	0	120.00	3,000
Hangers & Supports - 2" Or >	TN	1	207.90	208	0.00	0	120.00	120
Conduit < 2"-Conduit & Raceway	TN	8	447.30	3,578	0.00	0	120.00	960
Sched Conduit - RGS Cond W/Supports < 2"	TN	18	447.30	8,051	0.00	0	120.00	2,160

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Sched Conduit - RGS Cond W/Supports < 2"	TN	16	447.30	7,157	0.00	0	120.00	1,920
Sched Conduit - Pull Boxes	TN	1	447.30	447	0.00	0	120.00	120
Light & Comm Co - Other	TN	1	447.30	447	0.00	0	120.00	120
Cable Tray/Fittings W/Supports	TN	18	447.30	8,051	0.00	0	120.00	2,160
Concrete-Duct Bank	CY	175	32.64	5,712	92.00	16,100	0.00	0
Reinforced Concrete - Ductbank	CY	57	81.60	4,651	92.00	5,244	0.00	0
Pre-Cast Manhole	CY	11	32.64	359	92.00	1,012	0.00	0
Sched Wire & Cable - 4KV & > 1/C All Sizes	TN	20	756.00	15,120	0.00	0	2,100.00	42,000
Sched Wire & Cable - 4KV & > 1/C All Sizes	TN	11	756.00	8,316	0.00	0	2,100.00	23,100
Sched Wire & Cable - Instrum. Cable - All Sizes	TN	3	756.00	2,268	0.00	0	2,100.00	6,300
Load Center, Bus - Switchgear	TN	5	277.20	1,386	0.00	0	120.00	600
Load Center, Bus - Switchgear	TN	3	277.20	832	0.00	0	120.00	360
MCC & Low Volt - MCC Switchgear Section	TN	4	277.20	1,109	0.00	0	120.00	480
MCC & Low Volt - MCC Switchgear Section	TN	2	277.20	554	0.00	0	120.00	240
Sched. Wire & Cable - 600/Volt 1/C #6 & > PC	TN	15	756.00	11,340	0.00	0	2,100.00	31,500
Sched. Wire & Cable - 600/Volt 1/C #8 & > PC	TN	3	756.00	2,268	0.00	0	2,100.00	6,300
Sched. Wire & Cable - 600/Volt M/C #8 & > PC	TN	1	756.00	756	0.00	0	2,100.00	2,100
Sched. Wire & Cable - 600/Volt M/C #8 & > PC	TN	25	756.00	18,900	0.00	0	2,100.00	52,500
Sched Wire & Cable - 600/Volt M/C #6 & < CC	TN	8	756.00	6,048	0.00	0	2,100.00	16,800
Wire 4/0OR>(PWR)-600V(PWR)	TN	2	756.00	1,512	0.00	0	2,100.00	4,200
MCC Switchgear Section	TN	50	277.20	13,860	0.00	0	120.00	6,000
Wire < 4/0 (PWR)-600V PWR	TN	4	756.00	3,024	0.00	0	2,100.00	8,400
Account 345 Totals				178,806		27,416		230,220
Total Common Facilities				3,551,622		3,223,013		1,291,740
Unit 4								
Account 341: Structures & Improvements								
Intake Structure - Concrete	CY	1238	81.60	101,021	92.00	113,896	0.00	0
Grills, Screens & Hoists	TN	22	447.30	9,841	0.00	0	120.00	2,640
Intake Conduit	CY	628	81.60	51,245	92.00	57,776	0.00	0
4" CI Pipe - Site	TN	35	207.90	7,277	0.00	0	120.00	4,200
6"-8" CI Pipe - Site	TN	20	207.90	4,158	0.00	0	120.00	2,400
10"-14" RC Pipe	TN	3	81.60	245	92.00	276	0.00	0
20"-24" RC Pipe - Site	TN	9	81.60	734	92.00	828	0.00	0
2.5"-3" Fiberglass Pipe	CY	3	32.64	98	92.00	276	0.00	0
4" Fiberglass Pipe	CY	7	32.64	228	92.00	644	0.00	0
6"-8" Fiberglass Pipe	CY	16	32.64	522	92.00	1,472	0.00	0
10"-14" Fiberglass Pipe	CY	11	32.64	359	92.00	1,012	0.00	0
Reinforced Concrete - Holding Tanks	CY	177	81.60	14,443	92.00	16,284	0.00	0
Culvert/Basin - Reinforced Concrete	CY	109	81.60	8,894	92.00	10,028	0.00	0
Misc. Steel - Grating	TN	6	447.30	2,684	0.00	0	120.00	720
Precast Concrete - Manholes	CY	17	32.64	555	92.00	1,564	0.00	0
2.5"-3" CI Pipe	TN	2	207.90	416	0.00	0	120.00	240
Light Pole Foundation - Reinforced Concrete	CY	125	81.60	10,200	92.00	11,500	0.00	0
Fire Water Tank (A)	TN	115	277.20	31,878	0.00	0	120.00	13,800
Vehicle Protection Posts	CY	7	32.64	228	92.00	644	0.00	0
Thrusts Blocks - Reinforced Concrete	CY	309	81.60	25,214	92.00	28,428	0.00	0
6"-8" DI Pipe Fire	TN	1	207.90	208	0.00	0	120.00	120
10"-14" DI Pipe, Fire	TN	1	207.90	208	0.00	0	120.00	120
6"-8" HD Poly Fire Line	TN	39	207.90	8,108	0.00	0	120.00	4,680
10"-14" HD Poly Fire Line	TN	97	207.90	20,166	0.00	0	120.00	11,640
Valve,6",8",12"Fire	TN	246	207.90	51,143	0.00	0	120.00	29,520
10" - 14" Carbon Steel Pipe Above Ground	TN	8	277.20	2,218	0.00	0	120.00	960
Hydrant - 6"- EA.Fire Protectio.	TN	6	277.20	1,663	0.00	0	120.00	720
PB Slab On Grade - Reinforced Concrete	CY	1,231	81.60	100,450	92.00	113,252	0.00	0

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PB Misc SOG Pads - Reinforced Conc	CY	10	81.60	816	92.00	920	0.00	0
4" CI Pipe	TN	8	207.90	1,663	0.00	0	120.00	960
6"-8" CI Pipe	TN	4	207.90	832	0.00	0	120.00	480
4" Fiberglass Pipe Underground	CY	7	32.64	228	92.00	644	0.00	0
6"-8" PVC Pipe	CY	24	32.64	783	92.00	2,208	0.00	0
Rip Rap,Fabric,Sandbags	CY	385	32.64	12,566	92.00	35,420	0.00	0
Reinforced Concrete - Slab on Grade	CY	756	81.60	61,690	92.00	69,552	0.00	0
Reinforced Concrete - Other	CY	172	81.60	14,035	92.00	15,824	0.00	0
Reinforced Concrete - Elevated Slabs	CY	604	81.60	49,286	92.00	55,568	0.00	0
Reinforced Concrete - Walls	CY	73	81.60	5,957	92.00	6,716	0.00	0
CTB - Structural Steel	TN	1,342	207.90	279,002	0.00	0	120.00	161,040
CTB - Miscellaneous Steel	TN	76	447.30	33,995	0.00	0	120.00	9,120
Structural Steel - Bldg Girts/Wall Framing	TN	174	207.90	36,175	0.00	0	120.00	20,880
Architectural Features - Block Work	CY	102	32.64	3,329	92.00	9,384	0.00	0
CTB - Roll Up Doors	TN	1	277.20	277	0.00	0	120.00	120
Metal Decking - Elevated Slabs	TN	27	277.20	7,484	0.00	0	120.00	3,240
Architectural Features - Roof Decking	CY	461	32.64	15,047	92.00	42,412	0.00	0
Floor Drainage Trench	CY	13	32.64	424	92.00	1,196	0.00	0
Reinforced Concrete - Foundations	CY	54	81.60	4,406	92.00	4,968	0.00	0
Misc. Steel - Duct Supports	TN	74	207.90	15,385	0.00	0	120.00	8,880
Misc. Cranes & Hoists	TN	40	207.90	8,316	0.00	0	120.00	4,800
Reinforced Concrete - Pile Caps & Tie Beams	CY	879	81.60	71,726	92.00	80,868	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	68	81.60	5,549	92.00	6,256	0.00	0
Intake Structure Hoist	TN	5	207.90	1,040	0.00	0	120.00	600
Reinforced Concrete - Other	CY	2	81.60	163	92.00	184	0.00	0
Handrail/Check Plate	TN	2	447.30	895	0.00	0	120.00	240
20" - 30" Fiberglass Pipe Above Ground	CY	176	32.64	5,745	92.00	16,192	0.00	0
Intake/Open Cooling Pump	TN	24	207.90	4,990	0.00	0	120.00	2,880
10" - 14" Fiberglass Pipe Above Ground	CY	2	32.64	65	92.00	184	0.00	0
WT Pits Pumps	TN	6	277.20	1,663	0.00	0	120.00	720
Reinforced Concrete - Pits, Sumps& Ramps	CY	78	81.60	6,365	92.00	7,176	0.00	0
Reinforced Concrete - Pits, Sumps & Ramps	CY	114	81.60	9,302	92.00	10,488	0.00	0
36" Fiberglass Pipe	CY	15	32.64	490	92.00	1,380	0.00	0
OW Pit Pumps	TN	4	277.20	1,109	0.00	0	120.00	480
2"< PVC Pipe	CY	3	32.64	98	92.00	276	0.00	0
2.5"-3" PVC Pipe	CY	2	32.64	65	92.00	184	0.00	0
4" PVC Pipe Potable Water	CY	2	32.64	65	92.00	184	0.00	0
6"-8" Potable Water - PVC	CY	33	32.64	1,077	92.00	3,036	0.00	0
Valve, Manual, Potable	TN	2	277.20	554	0.00	0	120.00	240
Service Water Tank	TN	115	277.20	31,878	0.00	0	120.00	13,800
Reinforced Concrete - Utility Rack Foundations	CY	657	81.60	53,611	92.00	60,444	0.00	0
Reinforced Concrete - Other	CY	21	81.60	1,714	92.00	1,932	0.00	0
Reinforced Concrete - Other	CY	16	81.60	1,306	92.00	1,472	0.00	0
Precast Concrete - Other	CY	3	32.64	98	92.00	276	0.00	0
Precast Concrete - Other	CY	3	32.64	98	92.00	276	0.00	0
Utility Rack- Structural Steel	TN	463	207.90	96,258	0.00	0	120.00	55,560
Utility Rack Miscellaneous Steel	TN	26	447.30	11,630	0.00	0	120.00	3,120
Utility Rack - Grating	TN	29	447.30	12,972	0.00	0	120.00	3,480
Reinforced Concrete - Other	CY	6	81.60	490	92.00	552	0.00	0
EP Misc & Structural Steel	TN	26	207.90	5,405	0.00	0	120.00	3,120
Misc. Steel - Boiler Cavity	TN	31	447.30	13,866	0.00	0	120.00	3,720
Architectural Features - Block Work	CY	9	32.64	294	92.00	828	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	12	81.60	979	92.00	1,104	0.00	0
Reinforced Concrete - Elevated Slabs	CY	315	81.60	25,704	92.00	28,980	0.00	0
Reinforced Concrete - Slab On Grade	CY	493	81.60	40,229	92.00	45,356	0.00	0
Reinforced Concrete - Walls	CY	90	81.60	7,344	92.00	8,280	0.00	0
Structural Steel - Control Building	TN	433	207.90	90,021	0.00	0	120.00	51,960

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CB - Miscellaneous Steel	TN	25	447.30	11,183	0.00	0	120.00	3,000
Structural Steel - Bldg Girters/Wall Framing	TN	30	447.30	13,419	0.00	0	120.00	3,600
Architectural Features - Block Work	CY	387	32.64	12,632	92.00	35,604	0.00	0
CB - Interior Finishes	CY	120	32.64	3,917	92.00	11,040	0.00	0
Metal Decking - Elevated Slabs	TN	17	277.20	4,712	0.00	0	120.00	2,040
Architectural Features -Roof Decking	CY	119	32.64	3,884	92.00	10,948	0.00	0
Reinforced Concrete - Pile Caps & Tie Beams	CY	336	81.60	27,418	92.00	30,912	0.00	0
Account 341 Totals				1,588,122		967,104		429,840
Account 342: Fuel Holders, Producers, and Accessories								
Firewalls	CY	122.5	32.64	3,998	92.00	11,270	0.00	0
Cooling Water Heat Exchangers	TN	5.3	277.20	1,469	0.00	0	120.00	636
L.P. Heater Drain Pump	TN	2.3	277.20	638	0.00	0	120.00	276
Well Cooling Water Pump	TN	1.45	277.20	402	0.00	0	120.00	174
Boiler Fill and Wash Pump	TN	1	277.20	277	0.00	0	120.00	120
Boiler Feed Pumps	TN	33.75	277.20	9,356	0.00	0	120.00	4,050
Concrete	CY	65	81.60	5,304	92.00	5,980	0.00	0
Condensate Storage Tank & Equipment	TN	19	277.20	5,267	0.00	0	120.00	2,280
Condensate Storage Tank foundation	CY	5.9	81.60	481	92.00	543	0.00	0
Piping	TN	200.8	277.20	55,662	0.00	0	120.00	24,096
Pipe Insulation	CY	229	63.00	14,427	26.00	5,954	0.00	0
Miscellaneous Steel & Equipment	TN	118	447.30	52,781	0.00	0	120.00	14,160
Trenwa	TN	106	277.20	29,383	0.00	0	120.00	12,720
20" - 24" CS Pipe	TN	43	277.20	11,920	0.00	0	120.00	5,160
20"-24" CS Pipe, Gas	TN	17	277.20	4,712	0.00	0	120.00	2,040
10" - 14" CS Pipe Above Ground	TN	9	277.20	2,495	0.00	0	120.00	1,080
Reinforced Concrete - Pits, Sumps & Ramps	CY	74	81.60	6,038	92.00	6,808	0.00	0
F.O. System - Reinforced Concrete	CY	28	81.60	2,285	92.00	2,576	0.00	0
Fuel Oil Line Encasement	CY	100	63.00	6,300	26.00	2,600	0.00	0
10" - 14" CS Pipe Above Ground	TN	12	207.90	2,495	0.00	0	120.00	1,440
4" CS Pipe, Gas	TN	3	207.90	624	0.00	0	120.00	360
6"-8" CS Pipe, Gas	TN	13	207.90	2,703	0.00	0	120.00	1,560
Reinforced Concrete - Foundations	CY	132	81.60	10,771	92.00	12,144	0.00	0
Fuel Treatment\Additive Tank	TN	8	277.20	2,218	0.00	0	120.00	960
Reinforced Concrete - Foundations	CY	39	81.60	3,182	92.00	3,588	0.00	0
Account 342 Totals				235,188		51,463		71,112
Account 343: Prime Movers								
Reinforced Concrete - Pile Caps & Tie Beams	CY	845	81.60	68,952	92.00	77,740	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	181	81.60	14,770	92.00	16,652	0.00	0
Reinforced Concrete - Pits, Sumps & Ramps	CY	105	81.60	8,568	92.00	9,660	0.00	0
HRSG 4A - Base Plates	TN	20	277.20	5,544	0.00	0	120.00	2,400
HRSG 4B - Base Plates	TN	25	277.20	6,930	0.00	0	120.00	3,000
HRSG 4A - Top Casing & Roof Steel	TN	8	277.20	2,218	0.00	0	120.00	960
HRSG 4B - Top Casing & Roof Steel	TN	8	277.20	2,218	0.00	0	120.00	960
HRSG 4 Diffusers	TN	7	277.20	1,940	0.00	0	120.00	840
HRSG 4A - Inlet BD & SCR DT	TN	121	447.30	54,123	0.00	0	120.00	14,520
HRSG 4A - Inlet BD & SCR DT	TN	121	447.30	54,123	0.00	0	120.00	14,520
HRSG 4A - Miscellaneous Platforms & Stairs	TN	3	447.30	1,342	0.00	0	120.00	360
HRSG 4B - Miscellaneous Platforms & Stairs	TN	3	447.30	1,342	0.00	0	120.00	360
HRSG 4 Small Bore Pipe	TN	25	210.00	5,250	0.00	0	120.00	3,000
HRSG 4A - SM Pipe,Supports,Valves	TN	8	277.20	2,218	0.00	0	120.00	960
HRSG 4B - SM Pipe,Supports,Valves	TN	8	277.20	2,218	0.00	0	120.00	960
HRSG 4A - Silencers & Supports	TN	8	207.90	1,663	0.00	0	120.00	960
HRSG 4B - Silencers & Supports	TN	8	207.90	1,663	0.00	0	120.00	960
HRSG 4 Large Bore Pipe	TN	50	207.90	10,395	0.00	0	120.00	6,000
HRSG 4A - Large, Supports, Valves	TN	13	207.90	2,703	0.00	0	120.00	1,560

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Interconnecting Large Pipe, Supports,Valves 4A	TN	8	207.90	1,663	0.00	0	120.00	960
Interconnecting Large Pipe, Supports,Valves 4A	TN	8	207.90	1,663	0.00	0	120.00	960
HRSG 4B - Large Pipe, Supports,Valves	TN	8	207.90	1,663	0.00	0	120.00	960
HRSG 4B - Large Pipe, Supports,Valves	TN	50	207.90	10,395	0.00	0	120.00	6,000
HRSG 4A - Modules	TN	1,632	157.50	257,040	0.00	0	120.00	195,840
HRSG 4B - Modules	TN	1,632	157.50	257,040	0.00	0	120.00	195,840
HRSG 4A - Instrumentation	TN	8	207.90	1,663	0.00	0	120.00	960
HRSG 4B - Instrumentation	TN	8	207.90	1,663	0.00	0	120.00	960
HRSG 4A - HP Drum,Tubes, Downcomers	TN	127	207.90	26,403	0.00	0	120.00	15,240
HRSG 4B - HP Drum,Tubes, Downcomers	TN	127	207.90	26,403	0.00	0	120.00	15,240
HRSG 4A - IP Drum,Tubes, Downcomers	TN	16	207.90	3,326	0.00	0	120.00	1,920
HRSG 4B - IP Drum,Tubes, Downcomers	TN	16	207.90	3,326	0.00	0	120.00	1,920
HRSG 4A - LP Drum,Tubes, Downcomers	TN	7	207.90	1,455	0.00	0	120.00	840
HRSG 4B - LP Drum,Tubes, Downcomers	TN	7	207.90	1,455	0.00	0	120.00	840
Hangers & Supports <= 4"	TN	3	277.20	832	0.00	0	120.00	360
2.5" - 4" CS Pipe Above Ground	TN	18	207.90	3,742	0.00	0	120.00	2,160
Hangers & Supports - LB	TN	42	207.90	8,732	0.00	0	120.00	5,040
6" - 8" CS Pipe Above Ground	TN	73	207.90	15,177	0.00	0	120.00	8,760
10" - 14" CS Pipe Above Ground	TN	127	207.90	26,403	0.00	0	120.00	15,240
6" - 8" CM Pipe Above Ground	TN	6	207.90	1,247	0.00	0	120.00	720
HRSG Feed Pumps	TN	6	277.20	1,663	0.00	0	120.00	720
Reinforced Concrete - Foundations	CY	22	81.60	1,795	92.00	2,024	0.00	0
Instrument Tubing & Sensing	TN	4	447.30	1,789	0.00	0	120.00	480
CT 4A	TN	506	157.50	79,695	0.00	0	120.00	60,720
CT 4B	TN	506	157.50	79,695	0.00	0	120.00	60,720
Diffuser Enclosure - HRSG 4A	TN	4	447.30	1,789	0.00	0	120.00	480
Diffuser Enclosure - HRSG 4B	TN	4	447.30	1,789	0.00	0	120.00	480
CT 4A - Interconnect Pipe	TN	8	277.20	2,218	0.00	0	120.00	960
CT 4B - Interconnect Pipe	TN	8	277.20	2,218	0.00	0	120.00	960
20" - 30" CS Pipe Above Ground	TN	1	207.90	208	0.00	0	120.00	120
Instrument Main Steam Piping	TN	3	207.90	624	0.00	0	120.00	360
2" & Uunder CM Pipe Above Ground	TN	14	207.90	2,911	0.00	0	120.00	1,680
2.5" - 4" CM Pipe Above Ground	TN	2	207.90	416	0.00	0	120.00	240
10" - 14" CS Pipe Above Ground	TN	18	207.90	3,742	0.00	0	120.00	2,160
10" - 14" CM Pipe Above Ground	TN	30	207.90	6,237	0.00	0	120.00	3,600
16" - 18" CM Pipe Above Ground	TN	151	207.90	31,393	0.00	0	120.00	18,120
HRGS Blowdown Tank	TN	7	207.90	1,455	0.00	0	120.00	840
Reinforced Concrete - Pits, Sumps & Ramps	CY	131	81.60	10,690	92.00	12,052	0.00	0
20" - 30" CS Pipe Above Ground	TN	76	207.90	15,800	0.00	0	120.00	9,120
20" - 30" CM Pipe Above Ground	TN	169	207.90	35,135	0.00	0	120.00	20,280
U4 Steam Turbine Equipment	TN	20	207.90	4,158	0.00	0	120.00	2,400
U4 Steam Turbine Piping	TN	13	207.90	2,703	0.00	0	120.00	1,560
Reinforced Concrete - Foundations	CY	30	81.60	2,448	92.00	2,760	0.00	0
Condensate Tanks	TN	53	277.20	14,692	0.00	0	120.00	6,360
Insulation	CY	400	63.00	25,200	26.00	10,400	0.00	0
Reinforced Concrete - Foundations	CY	15	81.60	1,224	92.00	1,380	0.00	0
Architectural Features - Roof Decking	CY	7	81.60	571	92.00	644	0.00	0
Condenser Vacuum Pump	TN	4	277.20	1,109	0.00	0	120.00	480
Reinforced Concrete - Foundations	CY	40	81.60	3,264	92.00	3,680	0.00	0
Concrete - Stack Foundations	CY	345	81.60	28,152	92.00	31,740	0.00	0
Lube Oil Pit - Reinforced Concrete	CY	100	81.60	8,160	92.00	9,200	0.00	0
CT Lube Oil Pit - Grating	TN	1	447.30	447	0.00	0	120.00	120
L.O. Storage & Transfer - Grating	TN	3	447.30	1,342	0.00	0	120.00	360
2" & Uunder Stainless Steel Pipe Above Ground	TN	10	447.30	4,473	0.00	0	2,000.00	20,000
2.5" - 4" SS Pipe Above Ground	TN	3	447.30	1,342	0.00	0	2,000.00	6,000
CT 4A - Mechanical/Electrical Pkgs	TN	55	277.20	15,246	0.00	0	120.00	6,600
CT 4B - Mechanical/Electrical Pkgs	TN	55	277.20	15,246	0.00	0	120.00	6,600

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6" - 8" SS Pipe Above Ground	TN	15	447.30	6,710	0.00	0	2,000.00	30,000
10" - 14" SS Pipe Above Ground	TN	3	447.30	1,342	0.00	0	2,000.00	6,000
CTB Bridge Crane	TN	88	207.90	18,295	0.00	0	120.00	10,560
Reinforced Concrete - Inlet Air Duct Foundations	CY	698	81.60	56,957	92.00	64,216	0.00	0
CT 4A - Ductwork	TN	33	277.20	9,148	0.00	0	120.00	3,960
CT 4B - Ductwork	TN	33	277.20	9,148	0.00	0	120.00	3,960
HRSG 4A - Duct	TN	5	277.20	1,386	0.00	0	120.00	600
HRSG 4A - Stack	TN	264	277.20	73,181	0.00	0	120.00	31,680
HRSG Unit 4 Stacks	CY	200	81.60	16,320	92.00	18,400	0.00	0
HRSG 4B - Stack	TN	264	277.20	73,181	0.00	0	120.00	31,680
HRSG 4B - Duct	TN	5	277.20	1,386	0.00	0	120.00	600
Reinforced Concrete - Foundations	CY	25	81.60	2,040	92.00	2,300	0.00	0
Reinforced Concrete - Other	CY	18	81.60	1,469	92.00	1,656	0.00	0
Cooling Water Heat Exchanger Shell	TN	22	277.20	6,098	0.00	0	120.00	2,640
16" - 18" CS Pipe Above Ground	TN	58	277.20	16,078	0.00	0	120.00	6,960
Closed Cooling H20 Pumps	TN	3	277.20	832	0.00	0	120.00	360
Account 343 Totals				1,604,080		264,504		884,600
Account 344: Generators								
Pedestal Concrete	CY	614	81.60	50,102	92.00	56,488	0.00	0
Exciter	TN	15	207.90	3,119	0.00	0	120.00	1,800
Turbo-Generator Unit	TN	508	157.50	80,010	0.00	0	120.00	60,960
Turbine Piping	TN	207	207.90	43,035	0.00	0	120.00	24,840
Turbine Insulation	CY	495	63.00	31,185	26.00	12,870	0.00	0
Turbine Copper	TN	46	617.40	28,400	0.00	0	5,000.00	230,000
Condenser Shell	TN	285	207.90	59,252	0.00	0	120.00	34,200
Condenser Tubes	TN	85.5	617.40	52,788	0.00	0	120.00	10,260
Circulating Water Pumps	TN	59	207.90	12,266	0.00	0	120.00	7,080
Condensate Pumps and Ejectors	TN	16	277.20	4,435	0.00	0	120.00	1,920
Concrete Foundations	CY	5.9	81.60	481	92.00	543	0.00	0
Miscellaneous Steel & Equipment	TN	32.4	447.30	14,493	0.00	0	120.00	3,888
Reinforced Concrete - Pedestal Basemat	CY	1,077	81.60	87,883	92.00	99,084	0.00	0
Reinforced Concrete - Pedestal Columns	CY	338	81.60	27,581	92.00	31,096	0.00	0
Reinforced Concrete - Pedestal Top Deck	CY	1,104	81.60	90,086	92.00	101,568	0.00	0
Hydrogen Supply Tank	TN	5	277.20	1,386	0.00	0	120.00	600
Control Board	CY	13	32.64	424	92.00	1,196	0.00	0
Account 344 Totals				586,927		302,845		375,548
Account 345: Accessory Electric Equipment								
Equipment Foundations	CY	46.5	81.60	3,794	92.00	4,278	0.00	0
Structures & Supports	CY	20.97	81.60	1,711	92.00	1,929	0.00	0
Concrete	CY	46.4	81.60	3,786	92.00	4,269	0.00	0
Service Transformer - High & Low Voltage	TN	8	277.20	2,218	0.00	0	120.00	960
Startup Transformer	TN	9	277.20	2,495	0.00	0	120.00	1,080
Storage Batteries & Equipment	TN	45	277.20	12,474	0.00	0	120.00	5,400
Concrete Conduit & Ducts	CY	840	81.60	68,544	92.00	77,280	0.00	0
Cable Trays	TN	4.2	447.30	1,879	0.00	0	120.00	504
Power & Control Wiring	TN	52.5	756.00	39,690	0.00	0	2,100.00	110,250
Generator Leads	TN	16	756.00	12,096	0.00	0	3,600.00	57,600
Instrument Transformers	TN	1.8	277.20	499	0.00	0	120.00	216
2400v Switchgear	TN	18	277.20	4,990	0.00	0	120.00	2,160
480v Switchgear	TN	15	277.20	4,158	0.00	0	120.00	1,800
Transformer Copper	TN	21	466.20	9,660	0.00	0	5,000.00	103,600
Reinforced Concrete - Walls	CY	21	81.60	1,714	92.00	1,932	0.00	0
Reinforced Concrete - Foundations	CY	88	81.60	7,181	92.00	8,096	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	28	81.60	2,285	92.00	2,576	0.00	0
Isophase Bus & AS - Excitation Transformer	TN	8	277.20	2,218	0.00	0	120.00	960

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DC&AC Equipment - Charger/Panel	TN	3	277.20	832	0.00	0	120.00	360
Reinforced Concrete - Foundations	CY	60	81.60	4,896	92.00	5,520	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	13	81.60	1,061	92.00	1,196	0.00	0
Reinforced Concrete - Walls	CY	35	81.60	2,856	92.00	3,220	0.00	0
Isophase Bus & AS -Auxiliary Power Transformer	TN	10	277.20	2,772	0.00	0	120.00	1,200
Reinforced Concrete - Foundations	CY	65	81.60	5,304	92.00	5,980	0.00	0
Reinforced Concrete - Walls	CY	26	81.60	2,122	92.00	2,392	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	10	81.60	816	92.00	920	0.00	0
Isophase Bus & AS - Start-up Transformer	TN	8	277.20	2,218	0.00	0	120.00	960
DC&AC Equipment - Charger/Panel	TN	2	277.20	554	0.00	0	120.00	240
DC&AC Equipment - Charger/Panel	TN	1	277.20	277	0.00	0	120.00	120
Ground Cable	TN	7	756.00	5,292	0.00	0	120.00	840
Ground Cable	TN	10	756.00	7,560	0.00	0	120.00	1,200
Cathodic Protection	TN	1	447.30	447	0.00	0	120.00	120
Conduit 2.5" or > RGS	TN	93	447.30	41,599	0.00	0	120.00	11,160
Conduit 2" Or < RGS	TN	173	447.30	77,383	0.00	0	120.00	20,760
Pull Boxes (all)	TN	4	277.20	1,109	0.00	0	120.00	480
Unscheduled Conduit	TN	18	447.30	8,051	0.00	0	120.00	2,160
Cable Tray	TN	174	447.30	77,830	0.00	0	120.00	20,880
Pre-Cast Electric Manhole	CY	136	32.64	4,439	92.00	12,512	0.00	0
Other Wire & Cable - Grounding	TN	6	756.00	4,536	0.00	0	2,100.00	12,600
Conduit 2"Or> Duct Bank (PVC)	TN	1	447.30	447	0.00	0	120.00	120
Isophase Bus & AS - Isophase Bus,18KV 4A	TN	1	447.30	447	0.00	0	120.00	120
Isophase Bus Duct	TN	2	447.30	895	0.00	0	120.00	240
Isophase Bus 18KV 4B	TN	1	447.30	447	0.00	0	120.00	120
Isophase Bus & AS - Non-Seg & D.C. Bus	TN	1	447.30	447	0.00	0	120.00	120
Isophase Bus & AS - PT & Surge Cubicle	TN	2	447.30	895	0.00	0	120.00	240
Isophase Bus & AS - Generator Bus Grdg T/F	TN	5	447.30	2,237	0.00	0	120.00	600
Reinforced Concrete - Foundations	CY	55	81.60	4,488	92.00	5,060	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	9	81.60	734	92.00	828	0.00	0
Relay Racks w/Wire, Tube	TN	3	277.20	832	0.00	0	5,000.00	15,000
4KV & > Cable (PWR)	TN	61	756.00	46,116	0.00	0	2,100.00	128,100
Instrument Cable	TN	13	756.00	9,828	0.00	0	2,100.00	27,300
Unscheduled Cable	TN	5	756.00	3,780	0.00	0	1,020.00	5,100
Load Center, Bus, Switchgear	TN	28	447.30	12,524	0.00	0	120.00	3,360
MCC & LowVolt - MCC Switchgear Section	TN	10	447.30	4,473	0.00	0	120.00	1,200
#6 & > Cable (PWR)	TN	15	756.00	11,340	0.00	0	2,100.00	31,500
#8 & < Cable (PWR)	TN	4	756.00	3,024	0.00	0	2,100.00	8,400
Control Cable	TN	25	756.00	18,900	0.00	0	2,100.00	52,500
Reinforced Concrete - Foundations	CY	129	81.60	10,526	92.00	11,868	0.00	0
Concrete	CY	100	32.64	3,264	92.00	9,200	0.00	0
Cooling System	CY	68	32.64	2,220	92.00	6,256	0.00	0
Wire 4/0 Or > (PWR)	TN	1	756.00	756	0.00	0	2,100.00	2,100
Wire 4/0 OR > (PWR)	TN	0	756.00	0	0.00	0	2,100.00	0
Transformer	TN	15	207.90	3,119	0.00	0	120.00	1,800
Account 345 Totals				575,082		165,312		635,530
Account 346: Miscellaneous Power Plant Equipment								
2" & < CS Pipe Above Ground	TN	39	277.20	10,811	0.00	0	120.00	4,680
Reinforced Concrete - Foundations	CY	257	81.60	20,971	92.00	23,644	0.00	0
Instrument Air Tank	TN	3	207.90	624	0.00	0	120.00	360
Instrument Air Compressor	TN	5	207.90	1,040	0.00	0	120.00	600
Instrument Air Dryer	TN	1	207.90	208	0.00	0	120.00	120
Account 346 Totals				33,653		23,644		5,760

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Total Unit 4				4,623,052		1,774,872		2,402,390
Unit 5								
Account 341: Structures & Improvements								
Intake Structure	CY	1238	81.60	101,021	92.00	113,896	0.00	0
Grills, Screens & Hoists	TN	22	447.30	9,841	0.00	0	120.00	2,640
Intake Conduit	CY	627	81.60	51,163	92.00	57,684	0.00	0
Reinforced Concrete - Other	CY	58	81.60	4,733	92.00	5,336	0.00	0
Reinforced Concrete - Foundations	CY	57	81.60	4,651	92.00	5,244	0.00	0
Concrete - Piers, Pads, Curbs, etc.	CY	31	32.64	1,012	92.00	2,852	0.00	0
Intake Structure Hoist	TN	5	277.20	1,386	0.00	0	120.00	600
20" - 30" Fiberglass Pipe Above Ground	CY	157	32.64	5,124	92.00	14,444	0.00	0
Intake/Open Cooling Pump	TN	24	207.90	4,990	0.00	0	120.00	2,880
Reinforced Concrete - Pits, Sumps & Ramps	CY	64	81.60	5,222	92.00	5,888	0.00	0
Reinforced Concrete - Utility Rack Foundations	CY	532	81.60	43,411	92.00	48,944	0.00	0
Reinforced Concrete - Other	CY	7	81.60	571	92.00	644	0.00	0
Utility Rack - Structural Steel	TN	231	277.20	64,033	0.00	0	120.00	27,720
Utility Rack - Miscellaneous Steel	TN	13	447.30	5,815	0.00	0	120.00	1,560
Utility Racks Grating	TN	24	447.30	10,735	0.00	0	120.00	2,880
Account 341 Totals				313,709		254,932		38,280
Account 342: Fuel Holders, Producers, and Accessories								
Firewalls	CY	122.5	32.64	3,998	92.00	11,270	0.00	0
Cooling Water Heat Exchangers	TN	5.3	277.20	1,469	0.00	0	120.00	636
L.P. Heater Drain Pump	TN	2.3	277.20	638	0.00	0	120.00	276
Well Cooling Water Pump	TN	1.45	277.20	402	0.00	0	120.00	174
Boiler Fill and Wash Pump	TN	1	277.20	277	0.00	0	120.00	120
Boiler Feed Pumps	TN	33.75	277.20	9,356	0.00	0	120.00	4,050
Concrete	CY	65	81.60	5,304	92.00	5,980	0.00	0
Condensate Storage Tank & Equipment	TN	19	277.20	5,267	0.00	0	120.00	2,280
Condensate Storage Tank foundation	CY	5.9	81.60	481	92.00	543	0.00	0
Piping	TN	200.8	277.20	55,662	0.00	0	120.00	24,096
Pipe Insulation	CY	229	63.00	14,427	26.00	5,954	0.00	0
Miscellaneous Steel & Equipment	TN	118	447.30	52,781	0.00	0	120.00	14,160
10" - 14" CS Pipe - Above Ground	TN	5	207.90	1,040	0.00	0	120.00	600
Fuel Oil\Gas Pump	TN	3	207.90	624	0.00	0	120.00	360
Reinforced Concrete - Foundations	CY	47	81.60	3,835	92.00	4,324	0.00	0
Account 342 Totals				155,561		28,071		46,752
Account 343: Prime Movers								
Concrete - Piers, Pads, Curbs, etc.	CY	182	32.64	5,940	92.00	16,744	0.00	0
Reinforced Concrete - Pits, Sumps & Ramps	CY	101	81.60	8,242	92.00	9,292	0.00	0
HRSG 5A - Base Plates	TN	20	157.50	3,150	0.00	0	120.00	2,400
HRSG 5B - Base Plates	TN	20	157.50	3,150	0.00	0	120.00	2,400
HRSG 5A - Top Casing & Roof Steel	TN	8	277.20	2,218	0.00	0	120.00	960
HRSG 5B - Top Casing & Roof Steel	TN	8	277.20	2,218	0.00	0	120.00	960
HRSG 5 Diffusers	TN	7	277.20	1,940	0.00	0	120.00	840
HRSG 5A - Inlet Board & SCR DT	TN	121	207.90	25,156	0.00	0	120.00	14,520
HRSG 5B - Inlet Board & SCR DT	TN	121	207.90	25,156	0.00	0	120.00	14,520
HRSG 5A - Miscellaneous Platforms & Stairs	TN	3	447.30	1,342	0.00	0	120.00	360
HRSG 5B - Miscellaneous Platforms & Stairs	TN	3	447.30	1,342	0.00	0	120.00	360
HRSG 5 Small Bore Pipe	TN	25	277.20	6,930	0.00	0	120.00	3,000
HRSG 5A - Small Bore Pipe, Supports, Valves	TN	8	277.20	2,218	0.00	0	120.00	960
HRSG 5B - Small Bore Pipe, Supports, Valves	TN	8	277.20	2,218	0.00	0	120.00	960
HRSG 5A - Silencers & Supports	TN	8	277.20	2,218	0.00	0	120.00	960
HRSG 5A - Silencers & Supports	TN	8	277.20	2,218	0.00	0	120.00	960

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HRSG 5A - Modules	TN	1,632	157.50	257,040	0.00	0	120.00	195,840
HRSG 5B - Modules	TN	1,632	157.50	257,040	0.00	0	120.00	195,840
HRSG 5 Large Bore Pipe	TN	50	207.90	10,395	0.00	0	120.00	6,000
HRSG 5A - Large Bore Pipe, Supports, Valves	TN	8	207.90	1,663	0.00	0	120.00	960
HRSG 5B - Large Bore Pipe, Supports, Valves	TN	8	207.90	1,663	0.00	0	120.00	960
HRSG 5A -Instrumentation	TN	8	207.90	1,663	0.00	0	120.00	960
HRSG 5B -Instrumentation	TN	8	207.90	1,663	0.00	0	120.00	960
HRSG 5A - HP Drum,Tubes, Downcomers	TN	127	207.90	26,403	0.00	0	120.00	15,240
HRSG 5B - HP Drum,Tubes, Downcomers	TN	127	207.90	26,403	0.00	0	120.00	15,240
HRSG 5A - IP Drum,Tubes, Downcomers	TN	16	207.90	3,326	0.00	0	120.00	1,920
HRSG 5B - IP Drum,Tubes, Downcomers	TN	16	207.90	3,326	0.00	0	120.00	1,920
HRSG 5A - LP Drum,Tubes, Downcomers	TN	7	207.90	1,455	0.00	0	120.00	840
HRSG 5B - LP Drum,Tubes, Downcomers	TN	7	207.90	1,455	0.00	0	120.00	840
Hangers & Supports <= 4"	TN	3	207.90	624	0.00	0	120.00	360
2.5" - 4" CS Pipe Above Ground	TN	15	447.30	6,710	0.00	0	120.00	1,800
Hangers & Supports - Large Bore	TN	25	207.90	5,198	0.00	0	120.00	3,000
6" - 8" CS Pipe Above Ground	TN	42	277.20	11,642	0.00	0	120.00	5,040
6" - 8" CS Pipe Above Ground	TN	3	277.20	832	0.00	0	120.00	360
10" - 14" CS Pipe Above Ground	TN	63	207.90	13,098	0.00	0	120.00	7,560
10" - 14" CS Pipe Above Ground	TN	4	207.90	832	0.00	0	120.00	480
6" - 8" CM Pipe Above Ground	TN	6	277.20	1,663	0.00	0	120.00	720
HRSG Feed Pumps	TN	6	207.90	1,247	0.00	0	120.00	720
Reinforced Concrete - Foundations	CY	20	81.60	1,632	92.00	1,840	0.00	0
Instrument Tubing & Sensing	TN	4	447.30	1,789	0.00	0	120.00	480
CT 5A	TN	506	157.50	79,695	0.00	0	120.00	60,720
CT 5B	TN	506	157.50	79,695	0.00	0	120.00	60,720
Diffuser Enclosure - HRSG 5A	TN	4	447.30	1,789	0.00	0	120.00	480
Diffuser Enclosure - HRSG 5B	TN	4	447.30	1,789	0.00	0	120.00	480
CT 5A - Interconnect Pipe	TN	8	277.20	2,218	0.00	0	120.00	960
CT 5B - Interconnect Pipe	TN	8	277.20	2,218	0.00	0	120.00	960
16" - 18" CS Pipe Above Ground	TN	3	207.90	624	0.00	0	120.00	360
20" - 30" CS Pipe Above Ground	TN	2	207.90	416	0.00	0	120.00	240
Instrument Main Steam Piping	TN	3	207.90	624	0.00	0	120.00	360
2" & Under CM Pipe Above Ground	TN	11	277.20	3,049	0.00	0	120.00	1,320
2.5" - 4" CM Pipe Above Ground	TN	2	277.20	554	0.00	0	120.00	240
Hangers & Supports - Large Bore	TN	1	277.20	277	0.00	0	120.00	120
10" - 14" CS Pipe Above Ground	TN	15	207.90	3,119	0.00	0	120.00	1,800
10" - 14" CM Pipe Above Ground	TN	28	207.90	5,821	0.00	0	120.00	3,360
16" - 18" CM Pipe Above Ground	TN	113	207.90	23,493	0.00	0	120.00	13,560
HRGS Blowdown Tank	TN	7	207.90	1,455	0.00	0	120.00	840
Reinforced Concrete - Pits, Sumps & Ramps	CY	130	81.60	10,608	92.00	11,960	0.00	0
20" - 30" CS Pipe Above Ground	TN	41	207.90	8,524	0.00	0	120.00	4,920
20" - 30" CM Pipe Above Ground	TN	128	207.90	26,611	0.00	0	120.00	15,360
U5 Steam Turbine Equipment	TN	15	207.90	3,119	0.00	0	120.00	1,800
U5 Steam Turbine Piping	TN	21	207.90	4,366	0.00	0	120.00	2,520
Reinforced Concrete - Foundations	CY	30	81.60	2,448	92.00	2,760	0.00	0
Condenser Vacuum Pump	TN	4	277.20	1,109	0.00	0	120.00	480
Reinforced Concrete - Foundations	CY	40	81.60	3,264	92.00	3,680	0.00	0
Reinforced Concrete - Stack Foundations	CY	359	81.60	29,294	92.00	33,028	0.00	0
2" & UnderStainless Steel Pipe Above Ground	TN	7	277.20	1,940	0.00	0	2,000.00	14,000
2.5" - 4" Stainless Steel Pipe Above Ground	TN	4	277.20	1,109	0.00	0	2,000.00	8,000
CT 5A - Mechanical/Electrical Packages	TN	55	277.20	15,246	0.00	0	120.00	6,600
CT 5B - Mech/Elect Pkgs	TN	55	277.20	15,246	0.00	0	120.00	6,600
6" - 8" SS Pipe Above Ground	TN	15	207.90	3,119	0.00	0	2,000.00	30,000
10" - 14" SS Pipe Above Ground	TN	3	207.90	624	0.00	0	2,000.00	6,000
Reinforced Concrete - Inlet Air Duct Founds.	CY	463	81.60	37,781	92.00	42,596	0.00	0
CT 5A - Ductwork	TN	33	277.20	9,148	0.00	0	120.00	3,960

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CT 5B - Ductwork	TN	33	277.20	9,148	0.00	0	120.00	3,960
HRSG 5 Stacks	CY	200	81.60	16,320	92.00	18,400	0.00	0
HRSG 5A - Duct	TN	5	277.20	1,386	0.00	0	120.00	600
HRSG 5A - Stack	TN	264	277.20	73,181	0.00	0	120.00	31,680
HRSG 5B - Duct	TN	5	277.20	1,386	0.00	0	120.00	600
HRSG 5B - Stack	TN	264	277.20	73,181	0.00	0	120.00	31,680
Reinforced Concrete - Foundations	CY	134	81.60	10,934	92.00	12,328	0.00	0
Cooling Water Heat Exchanger Shell	TN	22	207.90	4,574	0.00	0	120.00	2,640
16" - 18" CS Pipe Above Ground	TN	51	207.90	10,603	0.00	0	120.00	6,120
20" - 30" CS Pipe Above Ground	TN	4	207.90	832	0.00	0	120.00	480
Closed Cooling H20 Pumps	TN	3	207.90	624	0.00	0	120.00	360
Account 343 Totals				1,316,975		152,628		827,080
Account 344: Generators								
Pedestal Concrete	CY	614	81.60	50,102	92.00	56,488	0.00	0
Exciter	TN	15	207.90	3,119	0.00	0	120.00	1,800
Turbo-Generator Unit	TN	508	157.50	80,010	0.00	0	120.00	60,960
Turbine Piping	TN	207	207.90	43,035	0.00	0	120.00	24,840
Turbine Insulation	CY	495	63.00	31,185	26.00	12,870	0.00	0
Turbine Copper	TN	46	617.40	28,400	0.00	0	5,000.00	230,000
Condenser Shell	TN	285	207.90	59,252	0.00	0	120.00	34,200
Condenser Tubes	TN	85.5	617.40	52,788	0.00	0	4,000.00	342,000
Circulating Water Pumps	TN	59	207.90	12,266	0.00	0	120.00	7,080
Condensate Pumps and Ejectors	TN	16	277.20	4,435	0.00	0	120.00	1,920
Concrete Foundations	CY	5.9	81.60	481	92.00	543	0.00	0
Miscellaneous Steel & Equipment	TN	32.4	447.30	14,493	0.00	0	120.00	3,888
Reinforced Concrete- Pedestal Basemat	CY	1,060	81.60	86,496	92.00	97,520	0.00	0
Reinforced Concrete- Pedestal Columns	CY	335	81.60	27,336	92.00	30,820	0.00	0
Reinforced Concrete- Pedestal Top Deck	CY	1,096	81.60	89,434	92.00	100,832	0.00	0
Account 344 Totals				582,832		299,073		706,688
Account 345: Accessory Electric Equipment								
Equipment Foundations	CY	46.5	81.60	3,794	92.00	4,278	0.00	0
Structures & Supports	CY	20.97	81.60	1,711	92.00	1,929	0.00	0
Concrete	CY	46.4	81.60	3,786	92.00	4,269	0.00	0
Service Transformer - High & Low Voltage	TN	8	277.20	2,218	0.00	0	120.00	960
Startup Transformer	TN	9	277.20	2,495	0.00	0	120.00	1,080
Transformer Copper	TN	7	466.20	3,170	0.00	0	5,000.00	34,000
Storage Batteries & Equipment	TN	45	277.20	12,474	0.00	0	120.00	5,400
Concrete Conduit & Ducts	CY	840	81.60	68,544	92.00	77,280	0.00	0
Cable Trays	TN	4.2	447.30	1,879	0.00	0	120.00	504
Power & Control Wiring	TN	52.5	756.00	39,690	0.00	0	2,100.00	110,250
Generator Leads	TN	16	756.00	12,096	0.00	0	5,000.00	80,000
Instrument Transformers	TN	1.8	277.20	499	0.00	0	120.00	216
2400v Switchgear	TN	18	277.20	4,990	0.00	0	120.00	2,160
480v Switchgear	TN	15	277.20	4,158	0.00	0	120.00	1,800
Concrete	CY	6	32.64	196	92.00	552	0.00	0
Valve Manual	TN	1	277.20	277	0.00	0	120.00	120
Conduit 2" OR >	TN	2	447.30	895	0.00	0	120.00	240
Conduit < 2"	TN	2	447.30	895	0.00	0	120.00	240
Concrete - Ductbank	CY	10	32.64	326	92.00	920	0.00	0
Wire 4/0 Or > (PWR)	TN	2	277.20	554	0.00	0	120.00	240
Transformer	TN	15	207.90	3,119	0.00	0	120.00	1,800
Reinforced Concrete - Walls	CY	24	81.60	1,958	92.00	2,208	0.00	0
Reinforced Concrete - Foundations	CY	70	81.60	5,712	92.00	6,440	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	13	81.60	1,061	92.00	1,196	0.00	0
Isophase Bus & AS - Excitation Transformer	TN	8	277.20	2,218	0.00	0	120.00	960

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DC&AC Equipment - Charger/Panel	TN	2	447.30	895	0.00	0	120.00	240
Reinforced Concrete - Foundations	CY	60	81.60	4,896	92.00	5,520	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	24	81.60	1,958	92.00	2,208	0.00	0
Reinforced Concrete - Walls	CY	26	81.60	2,122	92.00	2,392	0.00	0
Isophase Bus & AS - Auxiliary Power Transf.	TN	10	277.20	2,772	0.00	0	120.00	1,200
Reinforced Concrete - Foundations	CY	62	81.60	5,059	92.00	5,704	0.00	0
Reinforced Concrete - Walls	CY	20	81.60	1,632	92.00	1,840	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	6	32.64	196	92.00	552	0.00	0
Isophase Bus & AS - Start-upTransformer	TN	8	277.20	2,218	0.00	0	120.00	960
DC&AC Equipment - Charger/Panel	TN	2	277.20	554	0.00	0	120.00	240
DC&AC Equipment - Charger/Panel	TN	1	277.20	277	0.00	0	120.00	120
DC&AC Equipment - Charger/Panel	TN	1	277.20	277	0.00	0	120.00	120
Ground Cable	TN	4	756.00	3,024	0.00	0	2,100.00	8,400
Conduit 2.5"O > RGS Above Ground	TN	57	447.30	25,496	0.00	0	120.00	6,840
Conduit 2" Or < RGS Above Ground	TN	141	447.30	63,069	0.00	0	120.00	16,920
Unscheduled Conduit	TN	12	447.30	5,368	0.00	0	120.00	1,440
Cable Tray	TN	156	447.30	69,779	0.00	0	120.00	18,720
Isophase Bus & As - Pt & Surge Cubicle	TN	2	277.20	554	0.00	0	120.00	240
Isophase Bus & As - Gener. Bus Gnd. Xfrmr	TN	5	277.20	1,386	0.00	0	120.00	600
Reinforced Concrete - Foundations	CY	48	81.60	3,917	92.00	4,416	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	15	81.60	1,224	92.00	1,380	0.00	0
Relay Racks W/Wire, Tube	TN	3	277.20	832	0.00	0	120.00	360
4KV & Greater Cable (PWR)	TN	59	756.00	44,604	0.00	0	2,100.00	123,900
Electrical Instrument	TN	2	447.30	895	0.00	0	120.00	240
Instrument Cable	TN	11	756.00	8,316	0.00	0	2,100.00	23,100
Unscheduled Cable	TN	4	756.00	3,024	0.00	0	2,100.00	8,400
Load Center, Bus - Switchgear	TN	25	277.20	6,930	0.00	0	120.00	3,000
MCC & Low Volt - MCC Switchgear Section	TN	8	277.20	2,218	0.00	0	120.00	960
#6 & Greater Cable (PWR)	TN	19	756.00	14,364	0.00	0	2,100.00	39,900
#8 & Smaller Cable (PWR)	TN	4	756.00	3,024	0.00	0	2,100.00	8,400
Control Cable	TN	23	756.00	17,388	0.00	0	2,100.00	48,300
Reinforced Concrete - Foundations	CY	114	81.60	9,302	92.00	10,488	0.00	0
Account 345 Totals				486,283		133,572		552,570
Account 346: Miscellaneous Power Plant Equipment								
2" & < CS Pipe Above Ground	TN	34	277.20	9,425	0.00	0	120.00	4,080
Reinforced Concrete - Foundations	CY	145	81.60	11,832	92.00	13,340	0.00	0
Instrument Air Compressor	TN	5	277.20	1,386	0.00	0	120.00	600
Instrument Air Dryer	TN	1	277.20	277	0.00	0	120.00	120
Account 346 Totals				22,920		13,340		4,800
Total Unit 5				2,878,279		881,616		2,176,170
Total Lauderdale Common, Units 4 & 5				11,052,953		5,879,500		5,870,300
Lauderdale Gas Turbines								
Account 341: Structures & Improvements								
Concrete and Foundations	CY	150	81.60	12,240	92.00	13,800	0.00	0
Account 343: Prime Movers								
Gas Expander With Sole Plates	TN	893	277.20	247,540	0.00	0	120.00	107,160
Gas Generator Engines With Bases	TN	144	277.20	39,917	0.00	0	120.00	17,280
Turn Gear & Outer Exhaust Case	TN	103	277.20	28,552	0.00	0	120.00	12,360
Upper Half - Outer Exhaust Case	TN	30	277.20	8,316	0.00	0	120.00	3,600

Fort Lauderdale

Removal, Disposal & Salvage Cost Worksheet	U/M Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Upper Half - Inner Exhaust Case	TN	264	277.20	73,181	0.00	0	120.00	31,680
Other Items	TN	450	277.20	124,740	0.00	0	120.00	54,000
Account 343 Totals				522,245		0		226,080
Account 344: Generators								
Generator	TN	29	157.50	4,568	0.00	0	120.00	3,480
Generator Copper	TN	3	617.40	1,852	0.00	0	5,000.00	15,000
Rotor and 2 Coupling Hubs	TN	3.2	157.50	504	0.00	0	120.00	384
Account 344 Totals				6,924		0		18,864
Account 345: Accessory Electric Equipment								
Transformers	TN	13	277.20	3,485	0.00	0	120.00	1,500
Transformer Copper	TN	5	466.20	2,331	0.00	0	5,000.00	25,000
				5,796		0		26,500
Total Lauderdale Gas Turbines				547,205		13,800		271,444
Total Common, Units 4 & 5 and GTs				11,600,157		5,893,300		6,141,744

Ft. Myers Plant

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Fort Myers Plant

The Fort Myers Plant is located on a 460 acre site on the Caloosahatchee River, approximately two miles east of Tice, Florida in Lee County.

The original Ebasco Services design for Unit No. 1 and Bechtel Corporation design for Unit No. 2 were for oil-fired operation. These units went into commercial operation in 1958 and 1969 respectively. After the recent re-powering project, the site now consists of a natural gas fired Combined Cycle unit and twelve gas turbine peaking units.

The Fort Myers combined cycle unit, Unit 2, is a 6 on 2 configuration consisting of 6 GE 7FA combustion turbines (CT), 6 Foster Wheeler Heat Recovery Steam Generators (HRSG), and two steam turbines Unit 2 is a newly repowered unit which began commercial operation May, 2002. It was constructed utilizing the previous Unit 1 steam turbine. The new generation output of Unit 2 is 1,470 megawatts, nearly triple the output of the former Unit 1 and Unit 2 combined.

Each of the twelve gas turbine units burns 75 gallons of distillate diesel oil per minute to produce almost 63 megawatts or a total of 756 megawatts if all are run at peak capacity in favorable ambient air conditions. The units are used only during peak-demand periods or sudden emergencies. The gas turbine units went into commercial operation in 1974.

The economic recovery date of the repowered station is 2027. The dismantlement of the plants is assumed to require 2 years beginning in 2032. For the gas turbines, the economic recovery date is 2020. Dismantlement is assumed to occur over a two year period beginning in 2025.

Two dual fuel peaking units 3A and 3B went into commercial operation in 2003. They are FE 7FA combustion turbines similar to the Unit 2 CTs. They provide an additional 340 megawatts of peaking power. These units are included in this study. The economic recovery date for Unit 3 is 2028, with dismantlement assumed to begin in 2033.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Fort Myers plant in Docket No. 070378-EI, Order No. PSC-08-0095-PAA-EI, issued on February 14, 2008. The current accruals became effective as of January 1, 2007.

FT. MYERS
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Ft. Myers Common				
	Production Plant				
341	Structures and Improvements	817,999	1,090,779	130,824	1,777,954
342	Boiler Plant Equipment	104,454	127,029	28,978	202,506
343	Prime Movers	0	0	0	0
344	Turbogenerator Units	496,683	104,879	637,452	(33,891)
345	Accessory Electrical Equipment	247,211	62,271	496,380	(186,898)
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	1,668,347	1,384,958	1,293,633	1,759,672
	Other Site Costs:				
	Site Management Expenses	847,476			847,476
	Asbestos Abatement Costs	13,665			13,665
	Other Site Contamination	287,169			287,169
	Intake & Discharge Backfill	158,486			158,486
	Grading & Seeding	3,757,519			3,757,519
	Subtotal	5,064,315	0	0	5,064,315
	Total	6,732,662	1,384,958	1,293,633	6,823,987
	Contingency - 16%	1,077,226	221,593		1,298,819
	Total Ft. Myers Common excluding Unusabale M&S	$7,809,888	$1,606,551	$1,293,633	$8,122,806
	Unusable M&S Inventory	2,771,680	0	277,168	2,494,512
	Total Ft. Myers Common Including Unusabale M&S	10,581,568	1,606,551	1,570,801	10,617,318
	Ft. Myers Unit 2				
341	Structures and Improvements	894,560	892,871	158,260	1,629,172
342	Fuel Holders, Producers and Accessories	61,128	13,573	18,466	56,235
343	Prime Movers	8,315,796	2,403,299	3,087,816	7,631,280
344	Generators	847,609	194,466	1,169,258	(127,184)
345	Accessory Electric Equipment	402,133	108,596	753,712	(242,983)
	Subtotal	10,521,226	3,612,805	5,187,511	8,946,520
	Contingency - 16%	1,683,396	578,049		2,261,445
	Total Ft. Myers Unit 2	$12,204,622	$4,190,854	$5,187,511	$11,207,965
	Ft. Myers Unit 3				
343	Prime Movers	4,524,226	711,621	2,308,707	2,927,140
345	Accessory Electric Equipment	657,967	0	267,087	390,879
	Subtotal	5,182,193	711,621	2,575,794	3,318,019
	Contingency - 16%	829,151	113,859		943,010
	Total Ft. Myers Unit 3	$6,011,343	$825,480	$2,575,794	$4,261,029
	Ft. Myers Gas Turbines				
341	Structures and Improvements	50,295	22,131	10,128	62,298
342	Fuel Holders, Producers and Accessories	104,806	56,128	83,266	77,668
343	Prime Movers	2,003,416	242,595	609,912	1,636,099
344	Generators	659,945	12,600	367,840	304,705
345	Accessory Electric Equipment	105,893	0	111,903	(6,010)
	Subtotal	2,924,354	333,454	1,183,049	2,074,760
	Contingency - 16%	467,897	53,353		521,249
	Total Ft. Myers Gas Turbines	$3,392,251	$386,807	$1,183,049	$2,596,009
	Total Dismantlement Costs	$32,189,785	$7,009,692	$10,517,155	$28,682,321

FT. MYERS
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Ft. Myers Common	4,685,933	5,895,635	$1,606,551	$1,570,801	$10,617,318
Ft. Myers Unit 2	7,322,773	4,881,849	4,190,854	5,187,511	11,207,965
Ft. Myers Unit 3	3,606,806	2,404,537	825,480	2,575,794	4,261,029
Ft. Myers Gas Turbines	2,035,351	1,356,900	386,807	1,183,049	2,596,009
Total	$17,650,863	$14,538,922	$7,009,692	$10,517,155	$28,682,321

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

FT. MYERS DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The fuel oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits;

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

The turbine pedestals and chimney will be control-blasted.

Scrap will be unprepared, i.e., cut to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

FT. MYERS DISMANTLEMENT ASSUMPTIONS (continued)

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However, the dismantlement cost of substation equipment is not included in this study so as to avoid duplicating recovery of expense already included in the net salvage factor of the substation plant accounts' depreciation rates.

It is assumed that dismantlement activity at Fort Myers will begin five years after end of service. The end of service dates used for this assumption conform to the economic recovery period ending dates used in the Fort Myers depreciation study submitted in March, 2005 using actual and estimated plant and reserve data as of December 31, 2005. This study was accepted as part of the stipulation and settlement agreement that resolved the 2005 rate case and was approved by the Florida Public Service Commission in Docket Number 050188-EI, Order Number PSC-05-0902-S-EI on September 14, 2005. The economic recovery dates used for this assumption are as follows:

Unit	Economic Recovery Date
Unit 2	2027
Unit 3	2028
Common Plant	2028

Asbestos at Fort Myers plant has been almost completely abated. FPL's Environmental Department recently completed a survey of asbestos at our production plants. It was determined that a minimal amount of asbestos insulation is in use at Fort Myers. It is estimated that the cost of abating this small quantity of asbestos is $13,665.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove hazardous materials; i.e., leads (alkaline), acids, solvents, lubricants, oils, chemicals, and gasses.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines and backfill trenches.
- Remove main steam, hot and cold piping, downcomers, valves, and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove intake and discharge structures, equipment pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS
(Continued)

- Remove gas supply metering site, valve stations, underground distribution system.
- Remove solid and liquid wastes from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove fuel oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

FT. MYERS DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the Ft. Myers Plant. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$38.20	X	6	=	$229.22
Foreman	$49.12	X	1	=	$49.12
Heavy Equipment Operator	$46.22	X	1	=	$46.22
Total Cost per hour of 8 man crew					$324.56
Cost per man hour		$324.56	/	8 =	$40.57

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator				34,370.00
Front End Loader				6,824.90
Cutting Equipment				231.75
Total per month				$41,426.65
41,426.65	/	176	hours per month =	235.38
Cost per man hour		$235.38	/ 8 =	$29.42
Plus: amount for small tools				1.00
Total Cost per man hour				$30.42

FT. MYERS DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$40.57
Equipment	30.42
Total	$70.99
Rounded	$71.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$76.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$71.00	2.50 MH / Ton	$177.50 / Ton
Heavy Steel (2)	$71.00	3.30 MH / Ton	$234.30 / Ton
General Steel	$71.00	4.40 MH / Ton	$312.40 / Ton
Light Steel	$71.00	7.10 MH / Ton	$504.10 / Ton
Concrete (also used for fiberglass pip	$76.00	0.48 MH / CY	$36.48 / CY
Reinforced Concrete	$76.00	1.20 MH / CY	$91.20 / CY
Copper-Elect. Cable &			
Generator Leads &	$71.00	12.00 MH / Ton	$852.00 / Ton
Copper - Generator	$71.00	9.80 MH / Ton	$695.80 / Ton
Copper - Transformer	$71.00	7.40 MH / Ton	$525.40 / Ton
General Insulation	$71.00	1.00 MH / CY	$71.00 / CY
Inground Pipe-Metal(3)	$71.00	6.00 MH / Ton	$426.00 / Ton
Concrete Pipe	$76.00	4.60 MH / Ton	$349.60 / CY
Asbestos Insulation			$1,353.00 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Gulf Disposal WM Landfill. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of $39.75/ton was obtained from the Landfill. The dumpster rate are $325 per haul for a 20 cubic yard dumpster and $375 per haul for a 30 cubic yard dumpster. There is a four ton deductible for the 20 cubic yard dumpster and a six ton deductible for the larger, 30 cubic yard dumpster.

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located appropriately in the detailed spreadsheet.

FT. MYERS DISMANTLEMENT STUDY

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Truck Cost (incl. driver)	$325.00	/ haul	X	1 haul	=	$325.00	
Tipping Fees	$39.75	/ ton	X	26.5 tons	=	$1,053.38	
Total Cost per round Trip						1,378.38	4 ton deductible
Cost per Cubic Yard	$1,378.38	/ 15.38 cubic yards =				$89.62	
Plus 10% contractor profit						8.96	
Total Cost per Cubic Yard						$98.58	
Rounded Cost per Cubic Yard						$99.00	

Insulation - Calcium Silicate

A trailer with a 30 cubic yard capacity is used for insulation because of its lighter weight. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons. 1.82 tons is less than the six ton deductible so the tipping fee is included in the per haul charge.

Insulation -Calcium Silicate

Truck Cost (incl. driver)	$375.00	/ haul	X	1 haul	=	$375.00	
Tipping Fees	$39.75	/ ton	X	0 tons	=	0.00	
Total Cost per round Trip						375.00	6 ton deductible
Cost per Cubic Yard	$375.00	/27 cubic yards =				$13.89	
Plus 10% contractor profit						1.39	
Total Cost per Cubic Yard						$15.28	
Rounded Cost per Cubic Yard						$15.00	

FT. MYERS DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month. These expenses are assumed to be incurred over the 18 month dismantlement period assumed for the Ft. Myers Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management supervision, security and other costs.

Site Management Expenses per month	$47,082
Number of months	18
Total Site Management Expenses	$847,476

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. Construction Estimating has updated the costs. The charge for the Intake is $44,128; the cost for the discharge is $35,115. Fort Myers has two Intakes and two Discharges.

	Cost /Unit	Quantity	Totals
Intake	$44,128	2	$88,256
Discharge	$35,115	2	$70,230
Total			$158,486

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is $63,579 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Ft. Myers Acreage to be graded and seeded	59.10
Cost Factor	$63,579
Total Grading and Seeding Expense	$3,757,519

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At Ft. Myers, the following cost estimates have been identified:

Description	Amount
Asbestos	13,665
Lead in paint	225
Special Waste	123,594
Tanks/Washwater	1,750
Soil/Other Contamination	161,600
Total	$300,834

FT. MYERS

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
FT. MYERS COMMON								
FERC Account 341								
Improvements to Site								
Access Roads and Parking Areas	CY	5,390	36.48	196,623	99.00	533,598	0.00	0
Concrete Walkways	CY	252	36.48	9,193	99.00	24,948	0.00	0
Station Sign - Concrete	CY	11	36.48	401	99.00	1,089	0.00	0
Station Sign - Concrete Foundation	CY	7	91.20	648	99.00	704	0.00	0
Yard Lighting	TN	2	504.10	756	0.00	0	120.00	180
Subtotal				207,622		560,339		180
Domestic Water Distribution System and Water Treatment								
Service Water Booster Pump	TN	2	312.40	469	0.00	0	120.00	180
Yard Fire Protection - System Complete	TN	49	426.00	20,874	0.00	0	120.00	5,880
Lawn Sprinkler System - Incl. Pumps w/ Motors, Complt.	TN	2	504.10	756	0.00	0	120.00	180
Intake Chlorination System - Piping	TN	1	312.40	362	0.00	0	120.00	139
Intake Chlorination System - Chlorinators	TN	2	312.40	625	0.00	0	120.00	240
Sulfuric Acid Storage tank	TN	5	312.40	1,562	0.00	0	120.00	600
Caustic Acid Storage Tank	TN	5	312.40	1,562	0.00	0	120.00	600
C-anion Mixing Tanks	TN	15	312.40	4,686	0.00	0	120.00	1,800
Cation Mixing Tanks	TN	10	312.40	3,124	0.00	0	120.00	1,200
Acid Mixing Pumps and Piping system	TN	10	504.10	5,041	0.00	0	120.00	1,200
Fire Protection - Raw Water Fire Pump	TN	2	504.10	756	0.00	0	120.00	180
Fire Protection - F/Pump concrete slab	CY	5	91.20	456	99.00	495	0.00	0
Subtotal				40,273		495		12,199
Station Structures								
Service Building - Substructure - Reinforced Concrete	CY	200	91.20	18,240	99.00	19,800	0.00	0
Service Building - Concrete Block Walls 8,000 Blocks	CY	131	36.48	4,784	99.00	12,984	0.00	0
Service Building - Superstructure - Concrete	CY	308	91.20	28,044	99.00	30,443	0.00	0
Service Building - Superstructure - Steel Roof	TN	15	504.10	7,385	0.00	0	120.00	1,758
Paint & Lube Oil Storage Bldng - (1650 conc blocks)	CY	27	36.48	987	99.00	2,678	0.00	0
Station Warehouse - Reinforced Concrete Foundation	CY	62	91.20	5,634	99.00	6,116	0.00	0
Station Warehouse - Steel Bldg - 32' x 84' Butler Bldg	TN	20	312.40	6,092	0.00	0	120.00	2,340
Lime Storage Building - Reinforced Concrete Foundation	CY	53	91.20	4,788	99.00	5,198	0.00	0
Lime Storage Building - Concrete Block Walls	CY	53	36.48	1,933	99.00	5,247	0.00	0
Spare Parts Warehouse - Structural Steel	TN	15	312.40	4,530	0.00	0	120.00	1,740
Lime Storage Building - Concrete Roof	CY	49	36.48	1,788	99.00	4,851	0.00	0
Lab Building - Concrete Foundation	CY	53	91.20	4,788	99.00	5,198	0.00	0
Subtotal				102,108		111,621		5,838
Fort Myers Boathouse Facility								
Structure - Steel	TN	4	504.10	2,016	0.00	0	120.00	480
Foundation and Seawall - concrete	CY	5	91.20	456	99.00	495	0.00	0
Subtotal				2,472		495		480
Site Sewer System								
Storm Sewers and Drains - Reinforced Concrete	CY	36	91.20	3,283	99.00	3,564	0.00	0
Storm Sewers and Drains - Piping 48" R/Concrete Pipe	CY	8	91.20	774	99.00	841	0.00	0

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
18" R/Concrete Pipe	CY	13	91.20	1,145	99.00	1,243	0.00	0
15" R/Concrete Pipe	CY	28	91.20	2,596	99.00	2,819	0.00	0
12" R/Concrete Pipe	CY	4	36.48	163	99.00	443	0.00	0
Sanitary Sewer - Septic Tank Concrete	CY	23	36.48	839	99.00	2,277	0.00	0
Sanitary Sewer & Floor Drains - System complete	TN	31	312.40	9,684	0.00	0	120.00	3,720
Subtotal				18,486		11,186		3,720
Fuel Oil System/Area								
Fuel Oil Storage Tank Cleaning- 100,000 BBLS, total	BBLS	100,000	n/a	0	n/a	144,623	0.00	0
Fuel Oil Storage Tanks - 100,000 BBLS total	TN	334	n/a	34,090	0.00	0	120.00	40,080
Soil Remediation	EA	0	n/a	0	n/a	72,105	n/a	0
Subtotal				34,090		216,728		40,080
Service Water and Raw Water Systems								
Water Treatment - Concrete	CY	169	91.20	15,413	99.00	16,731	0.00	0
Water Treatment - Cast Iron Piping	TN	15	426.00	6,531	0.00	0	120.00	1,840
Raw Water Pump and motor	TN	5	312.40	1,562	0.00	0	120.00	600
Raw Water Storage Tank - 50,000 Gallons	TN	17	312.40	5,464	0.00	0	120.00	2,099
Raw Water Storage Tank - Foundation	CY	55	91.20	5,016	99.00	5,445	0.00	0
Elevated Water Storage Tank - 100,000 Gallons	TN	35	234.30	8,196	0.00	0	120.00	4,198
Elevated Water Storage Tank - Foundation-Concrete	CY	155	91.20	14,136	99.00	15,345	0.00	0
Subtotal				56,317		37,521		8,736
Intake System								
Intake Structure - Reinforced Concrete	CY	692	91.20	63,065	99.00	68,459	0.00	0
Intake Structure - Structural Steel	TN	21	234.30	4,920	0.00	0	120.00	2,520
Intake Structure - Wingwall Cap & Crane Rail Pads	CY	31	91.20	2,837	99.00	3,080	0.00	0
Intake Structure - Traveling Water Screens	TN	23	312.40	7,123	0.00	0	120.00	2,736
Intake Structure - Screen Wash Pumps W/ Motors	TN	6	312.40	1,874	0.00	0	120.00	720
Intake Structure - Concrete Stop Logs	CY	12	91.20	1,049	99.00	1,139	0.00	0
Intake Cooling Water Pumps and motors	TN	6	312.40	1,874	0.00	0	120.00	720
Intake Lube Water Well Pumps - Concrete Foundation	CY	13	91.20	1,186	99.00	1,287	0.00	0
Intake Structure - Bridge Crane and Hoists	TN	2	312.40	625	0.00	0	120.00	240
Intake Conduit - 54" Reinforced Concrete Pipe	CY	47	349.60	16,557	0.00	0	0.00	0
Intake Transition Blocks - Concrete	CY	91	91.20	8,254	99.00	8,960	0.00	0
Intake Screen Refuse Line - Cast Iron Pipe	TN	1	426.00	426	0.00	0	120.00	120
Intake Screen Refuse Line - Concrete Pipe	CY	13	91.20	1,197	99.00	1,299	0.00	0
Subtotal				110,986		84,222		7,056
Discharge System								
Discharge Conduit - 54" Reinforced Concrete Pipe	CY	175	349.60	61,065	0.00	0	0.00	0
Discharge Transition and Thrust Blocks	CY	102	91.20	9,302	99.00	10,098	0.00	0
Discharge Structure - Reinforced Concrete	CY	187	91.20	17,009	99.00	18,464	0.00	0
Discharge Structure - Concrete Stop Logs	CY	12	91.20	1,049	99.00	1,139	0.00	0
Subtotal				88,425		29,700		0
Station Structures								
Substructure Reinforced Concrete - Miscellaneous	CY	192	91.20	17,465	99.00	18,959	0.00	0
Structural Steel-Main Steel-Incl. crane and elevator	TN	292	234.30	68,500	0.00	0	120.00	35,083
Steel - Hand Railing and Miscellaneous	TN	54	312.40	16,870	0.00	0	120.00	6,480
Battery and Control Room - Conc Blocks(895)	CY	15	36.48	535	99.00	1,452	0.00	0

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Station Floors - Reinforced Concrete	CY	175	91.20	15,960	99.00	17,325	0.00	0
Station Roof - Hot-O-Rib Steel Framing	TN	4	504.10	1,845	0.00	0	120.00	439
Station Crane - Colby 50/15 Ton Gantry Crane	TN	25	234.30	5,858	0.00	0	120.00	3,000
Station Elevator - Westinghouse 1200 lb capacity	TN	9	312.40	2,812	0.00	0	120.00	1,080
Hydrogen Storage Shelter - Concrete	CY	7	36.48	271	99.00	737	0.00	0
Miscellaneous Grating and Steel Plates	TN	54	504.10	27,105	0.00	0	120.00	6,452
Subtotal				157,220		38,472		52,535
Total Account 341				817,999		1,090,779		130,824
FERC Account 342								
Boiler Plant Equipment								
Fuel Oil & Gas Equipment								
Swing Tank (abandoned in place) (6,000 BBl)	TN	27	n/a	17,045	0.00	0	120.00	3,199
Boiler Blowdown Tank (6,000 BBl)	TN	27	n/a	17,045	0.00	0	120.00	3,199
Soil Remediation - Swing & Boiler Blowdown Tanks	EA	n/a	n/a	0	n/a	22,010	n/a	0
Tanks - Foundations for both - concrete	CY	n/a	n/a	0	n/a	53,850	n/a	0
Condensate Tank - 12,000 BBLS - Removal & Cleaning	BBLS	12,000	n/a	17,045	n/a	0	0.00	0
Demolition of Foundation	EA	n/a	n/a	n/a	n/a	35,306	0.00	0
Soil Remediation	EA	n/a	n/a	n/a	n/a	14,485	0.00	0
Subtotal				51,135		125,451		6,398
Boiler Plant Auxiliaries								
H.P. Feedwater Heater #1	TN	24	234.30	5,506	0.00	0	120.00	2,820
H.P. Feedwater Heater #2	TN	21	234.30	5,014	0.00	0	120.00	2,568
I.P. Feedwater Heater #3	TN	8	234.30	1,851	0.00	0	120.00	948
L.P. Feedwater Heater #4	TN	10	234.30	2,413	0.00	0	120.00	1,236
L.P. Feedwater Heater #5	TN	10	234.30	2,413	0.00	0	120.00	1,236
L.P. Feedwater Heater #6	TN	15	234.30	3,550	0.00	0	120.00	1,818
Condensate Storage Tank - 60,000 Gal	TN	20	312.40	6,145	0.00	0	120.00	2,360
Condensate Storage Tank Foundation	CY	12	91.20	1,131	99.00	1,228	0.00	0
Condensate Recovery Tank - 2,600 Gal	TN	2	312.40	469	0.00	0	120.00	180
Condensate Recovery Tank Foundation	CY	4	91.20	323	99.00	350	0.00	0
Condensate Collecting Cooler	TN	1	312.40	312	0.00	0	120.00	120
Blowdown/flash tank	TN	3	312.40	781	0.00	0	120.00	300
Condensate Pump motor	TN	10	312.40	2,999	0.00	0	120.00	1,152
Condensate Pump	TN	5	312.40	1,406	0.00	0	120.00	540
Instrument Air Compressors	TN	7	312.40	2,187	0.00	0	120.00	840
Miscellaneous Steel and Equipment	TN	7	312.40	2,040	0.00	0	120.00	784
Subtotal				38,540		1,578		16,902
Boiler Plant Piping								
Condensate and Air Evaporation	TN	47	312.40	14,780	0.00	0	120.00	5,677
Subtotal				14,780		0		5,677
Total Account 342				104,454		127,029		28,978
FERC Account 344								
Turbo-Generator Units								

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Pedestal - Reinforced Concrete	CY	993	91.20	90,562	99.00	98,307	0.00	0
Turbo-Generator Unit	TN	534	177.50	94,732	0.00	0	120.00	64,044
Turbine Piping	TN	207	234.30	48,547	0.00	0	120.00	24,864
Turbine Copper	TN	48	695.80	33,398	0.00	0	5,000.00	240,000
Turbine Enclosure	TN	15	234.30	3,456	0.00	0	120.00	1,770
Miscellaneous Steel and Equipment	TN	15	312.40	4,720	0.00	0	120.00	1,813
Turbine Insulation	CY	250	71.00	17,750	15.00	3,750	0.00	0
Subtotal				293,165		102,057		332,491
Condensers and Auxiliaries								
Condenser Shell	TN	285	234.30	66,776	0.00	0	120.00	34,200
Condenser - Aluminum-Brass Tubes	TN	86	504.10	43,101	0.00	0	2,800.00	239,400
Condenser Foundation - Reinforced Concrete	CY	18	91.20	1,642	99.00	1,782	0.00	0
Circulating Water Pumps - 58,000 gpm(incl. motors)	TN	59	312.40	18,432	0.00	0	120.00	7,080
Circulating Water Piping - Cast Iron, incl. valves	TN	95	312.40	29,544	0.00	0	120.00	11,348
Condensate Pumps - 12" suction, 8" dischrg(incl. mtrs)	TN	48	312.40	14,967	0.00	0	120.00	5,749
Condensate Pump - Foundation - RI Concrete	CY	11	91.20	958	99.00	1,040	0.00	0
Insulation	CY	125	91.20	11,400	0.00	0	0.00	0
Turbine Oil Resvoir	TN	47	312.40	14,683	0.00	0	120.00	5,640
Lube Oil Storage Tank (Bowser)	TN	0	312.40	0	0.00	0	120.00	0
Miscellaneous Steel and Equipment	TN	13	312.40	4,017	0.00	0	120.00	1,543
Subtotal				205,518		2,822		304,961
Total Account 344				498,683		104,879		637,452
FERC Account 345								
Accessory Electrical Equipment								
Foundations & Structures								
Main Generator Leads & Enclosures(Copper)	TN	10	852.00	8,520	0.00	0	5,000.00	50,000
Manholes and Handholes - Concrete	CY	118	36.48	4,286	99.00	11,633	0.00	0
Transformer(start-up) Foundations - Concrete	CY	16	91.20	1,459	99.00	1,584	0.00	0
Switchgear Foundations - Concrete	CY	43	91.20	3,876	99.00	4,208	0.00	0
Load Control Centers Foundations - Concrete	CY	53	91.20	4,788	99.00	5,198	0.00	0
Aux Power Transformer - 7,500 kva	TN	17	504.10	8,560	0.00	0	120.00	2,038
Startup Transformer	TN	20	504.10	10,228	0.00	0	120.00	2,435
Station Service Transformer	TN	12	504.10	5,848	0.00	0	120.00	1,392
Transformer Copper	TN	16	525.40	8,443	0.00	0	5,000.00	80,350
Transformer - Unloading Dock	TN	2	504.10	857	0.00	0	120.00	204
Storage Battery	TN	3	504.10	1,512	0.00	0	120.00	360
Underground Ducts - Concrete	CY	401	91.20	36,526	99.00	39,650	0.00	0
Conduit - rigid alum. - 3" to 5".	TN	43	504.10	21,525	0.00	0	1,340.00	57,218
Exposed Conduits and CableTrays	TN	87	504.10	43,776	0.00	0	1,340.00	116,366
Buswork and Copper Tubing	TN	1	504.10	504	0.00	0	5,000.00	5,000
Load and Motor Control Centers	TN	5	504.10	2,268	0.00	0	120.00	540
Power/Control Wiring - 135,300 ft.	TN	85	852.00	72,045	0.00	0	2,100.00	177,576
Main Control Board for B-T-G	TN	0	504.10	0	0.00	0	120.00	0
Switchgear - 2,400v Metalclad	TN	10	504.10	5,041	0.00	0	120.00	1,200
Switchgear - 480v Metalclad	TN	9	504.10	4,537	0.00	0	120.00	1,080
Subtotal				244,600		62,271		495,758

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Transformers								
Lighting Transformers	TN	5	504.10	2,611	0.00	0	120.00	622
Subtotal				2,611		0		622
Total Account 345				247,211		62,271		496,380
TOTAL FT. MYERS COMMON				1,668,347		1,384,958		1,293,633
FORT MYERS COMBINED CYCLE UNIT 2								
FERC Account 341								
Site Sewer System								
Storm Sewers and Drains - Concrete(8" - 48")	CY	55	91.20	4,980	99.00	5,405	0.00	0
Floor Drains,Sump Pumps & Oily Sep. - 6" CI Pipe	TN	73	426.00	31,205	0.00	0	120.00	8,790
Oil Separator	CY	38	91.20	3,466	99.00	3,762	0.00	0
Subtotal				39,650		9,167		8,790
Fuel Oil System/Area								
Fuel Oil Storage Tank - 180,000 BBLS	TN	534	n/a	34,090	0.00	0	120.00	64,080
Fuel Oil Storage Tank - Cleaning	EA	n/a	n/a	0	n/a	180,000	0.00	0
Soil Remediation	EA	n/a	n/a	0	n/a	94,005	0.00	0
Subtotal				34,090		274,005		64,080
Service Water and Raw Water Systems								
Water Treatment - Area Slab - Concrete	CY	167	91.20	15,230	99.00	16,533	0.00	0
Water Treatment - Chlorination System	TN	2	312.40	625	0.00	0	120.00	240
Fire Protection Piping - CI 2.5" to 8"	TN	5	426.00	2,147	0.00	0	120.00	605
Raw Water Storage Tank - 100,000 gal.	TN	27	312.40	8,566	0.00	0	120.00	3,290
Service Water - Cast Iron Piping - 4" to 6"	TN	34	426.00	14,331	0.00	0	120.00	4,037
Subtotal				40,899		16,533		8,172
Intake System								
Intake Structure - Reinforced Concrete	CY	1,273	91.20	116,098	99.00	126,027	0.00	0
Intake Structure - Structural Steel(incl. crane)	TN	46	234.30	10,778	0.00	0	120.00	5,520
Intake Structure - Wingwall Cap & Crane Rail Pads	CY	106	91.20	9,667	99.00	10,494	0.00	0
Intake Structure - Traveling Water Screens	TN	32	312.40	9,884	0.00	0	120.00	3,797
Intake Structure - Screen Wash Pumps	TN	8	312.40	2,499	0.00	0	120.00	960
Intake Structure - Concrete Stop Logs	CY	12	91.20	1,049	99.00	1,139	0.00	0
Intake Cooling Water Pump Motors	TN	4	312.40	1,250	0.00	0	120.00	480
Intake Cooling Water Pumps	TN	2	312.40	625	0.00	0	120.00	240
Intake Structure - Hoists/Crane	TN	4	312.40	1,093	0.00	0	120.00	420
Intake Conduit - Reinforced Concrete Pipe,78"	CY	45	349.60	15,711	0.00	0	0.00	0
Intake Transition Blocks - Concrete	CY	346	91.20	31,555	99.00	34,254	0.00	0
Intake Screen Refuse Line - Concrete Pipe	CY	507	91.20	46,208	99.00	50,160	0.00	0
Intake Screen Refuse Line - Cast Iron Pipe	TN	2	426.00	997	0.00	0	120.00	281
Subtotal				247,414		222,074		11,698
Discharge System								
Discharge Conduit - 78" Reinforced Concrete Pipe	CY	213	349.60	74,626	0.00	0	0.00	0
Discharge Transition and Thrust Blocks	CY	401	91.20	36,571	99.00	39,699	0.00	0
Discharge Structure - Reinforced Concrete	CY	427	91.20	38,942	99.00	42,273	0.00	0
Discharge Structure - Concrete Stop Logs	CY	12	91.20	1,049	99.00	1,139	0.00	0

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Subtotal				151,188		83,111		0
Station Structures								
Substructure concrete footings, piers, beams	TN	253	91.20	23,074	99.00	25,047	0.00	0
Substructure Reinforced Concrete - Miscellaneous	CY	1,946	91.20	177,475	99.00	192,654	0.00	0
Structural Steel - Main Steel	TN	297	234.30	69,587	0.00	0	120.00	35,640
Steel - Hand Railing and Miscellaneous	TN	162	312.40	50,609	0.00	0	120.00	19,440
Station Floors & Roof - Reinforced Concrete	CY	187	91.20	17,054	99.00	18,513	0.00	0
Station Crane - Colby 50/15 Ton Gantry Crane	TN	35	234.30	8,201	0.00	0	120.00	4,200
Station Elevator - Westinghouse 1200 lb capacity	TN	9	312.40	2,812	0.00	0	120.00	1,080
Boiler Feed Pump Room - Concrete Block and Roof	CY	127	36.48	4,617	99.00	12,528	0.00	0
Forced Draft Room - Concrete	CY	354	36.48	12,928	99.00	35,084	0.00	0
Diesel Generator Building - Concrete	CY	25	36.48	912	99.00	2,475	0.00	0
Emergency Diesel Generators	TN	16	312.40	4,998	0.00	0	120.00	1,920
Hydrogen Storage Shelter - Concrete	CY	17	36.48	619	99.00	1,680	0.00	0
Air Intake Labyrinths - Steel	TN	27	312.40	8,435	0.00	0	120.00	3,240
Subtotal				381,320		287,981		65,520
Total Account 341				894,560		892,871		158,260
FERC Account 342								
Boiler Plant Equipment								
Fuel Oil & Gas Equipment								
Boiler Plant Auxiliaries								
Boiler Feed Pumps	TN	54	312.40	16,870	0.00	0	120.00	6,480
Boiler Feed Pump Motors	TN	21	312.40	6,560	0.00	0	120.00	2,520
Condensate Storage Tank - 150,000 Gal	TN	54	312.40	16,885	0.00	0	120.00	6,486
Condensate Storage Tank Foundation	CY	130	91.20	11,856	99.00	12,870	0.00	0
Condensate Recovery Tank	TN	3	312.40	906	0.00	0	120.00	348
Condensate Recovery Tank Foundation	CY	7	91.20	648	99.00	703	0.00	0
Condensate Recovery Cooler	TN	1	312.40	312	0.00	0	120.00	120
Condensate Transfer Pump Motors	TN	8	312.40	2,515	0.00	0	120.00	966
Miscellaneous Steel and Equipment	TN	10	312.40	3,124	0.00	0	120.00	1,200
Subtotal				59,676		13,573		18,120
Boiler Chemical Cleaning System								
Lime Slurry Mixing Tank - 4,000 Gal	TN	1	504.10	726	0.00	0	120.00	173
Caustic Solution Tank - 4,000 Gal	TN	1	504.10	726	0.00	0	120.00	173
Subtotal				1,452		0		346
Total Account 342				61,128		13,573		18,466
FERC Account 343								
Power Movers								
Heat Recovery Steam Generator Structure (HRSG)								
Generator Terminal Enclosure	TN	63.00	312.40	19,681	0.00	0	120.00	7,560
Concrete	CY	105.00	91.20	9,576	99.00	10,395	0.00	0
				29,257		10,395		7,560

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
HRSG Enclosures								
Combustion Turbine Inlet Filter	TN	138.00	312.40	43,111	0.00	0	120.00	16,560
Combustion Turbine Inlet Duct	TN	1,350.00	312.40	421,740	0.00	0	120.00	162,000
SGF HRSG Vents & Drains Pump	TN	1.50	312.40	469	0.00	0	120.00	180
Supporting Steel	TN	63.00	312.40	19,681	0.00	0	120.00	7,560
Concrete	CY	1,600.00	91.20	145,920	99.00	158,400	0.00	0
				630,921		158,400		186,300
HRSG Pressure Parts								
Heat Recovery Steam Generator	TN	20,973.00	234.30	4,913,974	0.00	0	120.00	2,516,760
Concrete	CY	17,025.00	91.20	1,552,680	99.00	1,685,475	0.00	0
				6,466,654		1,685,475		2,516,760
Industrial Gas Turbine								
Gas Turbine	TN	1,131.00	234.30	264,993	0.00	0	120.00	135,720
Concrete	CY	925.00	91.20	84,360	99.00	91,575	0.00	0
				349,353		91,575		135,720
Stm Gen/Blr/HRSG Blowdown Cooling System								
WSA Blowdown Pump	TN	0.88	312.40	275	0.00	0	120.00	106
				275		0		106
Reheat System								
HRH Hot Reheat Valves	TN	60.00	312.40	18,744	0.00	0	120.00	7,200
				18,744		0		7,200
Steam Turbine								
Generator	TN	1,560.00	177.50	276,900	0.00	0	120.00	187,200
High Pressure Steam Valves	TN	42.00	312.40	13,121	0.00	0	120.00	5,040
Miscellaneous Valves	TN	36.75	312.40	11,481	0.00	0	120.00	4,410
Concrete	CY	4,200.00	91.20	383,040	99.00	415,800	0.00	0
				684,542		415,800		196,650
Condensate Transfer System								
WSI Emergency Condensate Pump	TN	3.25	312.40	1,015	0.00	0	120.00	390
Concrete	CY	3.75	91.20	342	99.00	371	0.00	0
				1,357		371		390
Condenser Air Removal System								
CAB Air Compressor	TN	13.20	312.40	4,124	0.00	0	120.00	1,584
HRB Condenser Air Extraction Hogger	TN	18.30	312.40	5,717	0.00	0	120.00	2,196
HRB Condenser Air Extraction Ejector	TN	7.50	312.40	2,343	0.00	0	120.00	900
Concrete	CY	12.00	91.20	1,094	99.00	1,188	0.00	0
				13,278		1,188		4,680
Condenser Cooling Water Pump System								
FWF Condensate Storage & Makeup Pump	TN	1.32	312.40	412	0.00	0	120.00	158
FWC Condensate Pump	TN	26.40	312.40	8,247	0.00	0	120.00	3,168
Concrete	CY	40.00	91.20	3,648	99.00	3,960	0.00	0
				12,308		3,960		3,326

FT. MYERS

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Air Cooling System, G.T.								
Cooling Fan Module	TN	25.50	312.40	7,966	0.00	0	120.00	3,060
Concrete	CY	30.00	91.20	2,736	99.00	2,970	0.00	0
				10,702		2,970		3,060
Component/Closed Cooling Water System								
ECB Closed Cooling Water Spray Pumps	TN	7.20	312.40	2,249	0.00	0	120.00	864
ECB Closed Cooling Pumps	TN	12.80	312.40	3,999	0.00	0	120.00	1,536
ECB Closed Cooling Water Cooling Tower	TN	116.20	312.40	36,301	0.00	0	120.00	13,944
Fuel Gas Heat Exchangers	TN	81.00	312.40	25,304	0.00	0	120.00	9,720
Concrete	CY	335.00	91.20	30,552	99.00	33,165	0.00	0
Subtotal				98,405		33,165		26,084
Total Account 343				8,315,796		2,403,299		3,087,816
FERC Account 344								
Turbo-Generator Units								
Pedestal - Reinforced Concrete	CY	1,783	91.20	162,610	99.00	176,517	0.00	0
Turbine - Rotor	TN	118	177.50	20,920	0.00	0	120.00	14,143
Turbine - Stator	TN	201	177.50	35,759	0.00	0	120.00	24,175
Stator Cooling Liquid Unit	TN	10	234.30	2,343	0.00	0	120.00	1,200
Terminal Box and Bushings	TN	10	234.30	2,338	0.00	0	120.00	1,198
Outer Shield - Upper Turbine end	TN	4	177.50	696	0.00	0	120.00	470
Outer Shield - Lower End	TN	6	177.50	1,026	0.00	0	120.00	694
Hydrogen Seal unit	TN	3	177.50	518	0.00	0	120.00	350
H.P. Upper Shell	TN	57	177.50	10,071	0.00	0	120.00	6,809
H.P. Lower Shell	TN	73	177.50	13,036	0.00	0	120.00	8,813
Exh. Hood - Upper	TN	32	177.50	5,701	0.00	0	120.00	3,854
Exh. Hood - Lower	TN	88	177.50	15,579	0.00	0	120.00	10,532
Inner Casing - Upper	TN	52	177.50	9,303	0.00	0	120.00	6,289
Inner Casing - Lower	TN	38	177.50	6,706	0.00	0	120.00	4,534
Inner Shell - HP Upper	TN	14	177.50	2,503	0.00	0	120.00	1,692
Inner Shell - HP Lower	TN	16	177.50	2,838	0.00	0	120.00	1,919
Inner Shell #2 - Upper	TN	6	177.50	1,106	0.00	0	120.00	748
Inner Shell #2 - Lower	TN	6	177.50	1,106	0.00	0	120.00	748
Turbine Stop Valves	TN	38	234.30	8,826	0.00	0	120.00	4,520
Turbine Combination/Reheat Valves	TN	52	234.30	12,226	0.00	0	120.00	6,262
Turbine Piping	TN	260	234.30	60,918	0.00	0	120.00	31,200
Turbine Insulation	CY	210	71.00	14,910	0.00	0	0.00	0
Turbine Enclosure	TN	37	234.30	8,611	0.00	0	120.00	4,410
Turbine Copper	TN	60	695.80	41,748	0.00	0	5,000.00	300,000
Miscellaneous Steel and Equipment	TN	23	312.40	7,241	0.00	0	120.00	2,782
Turbine Generator Mat - concrete	CY	60	91.20	5,472	99.00	5,940	0.00	0
Subtotal				454,111		182,457		437,341
Condensers and Auxiliaries								
Condenser Shell	TN	868	234.30	203,255	0.00	0	120.00	104,100
Condenser - Aluminum-Brass Tubes	TN	215	504.10	108,129	0.00	0	2,800.00	600,600
Condenser Foundation - Reinforced Concrete	CY	110	91.20	10,032	99.00	10,890	0.00	0
Circulating Water Pumps - 58,000 gpm	TN	97	312.40	30,397	0.00	0	120.00	11,676
Circulating Water Pump Motors	TN	32	312.40	9,841	0.00	0	120.00	3,780

FT. MYERS

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Condensate Pumps - 12" suction, 8" dischrg(incl mtrs)	TN	30	312.40	9,422	0.00	0	120.00	3,619
Condensate Pump - Foundation - RI Concrete	CY	11	91.20	1,031	99.00	1,119	0.00	0
Turbine Oil Conditioner	TN	2	312.40	662	0.00	0	120.00	254
Turbine Lube Oil Coolers	TN	4	312.40	1,325	0.00	0	120.00	509
Hydrogen Coolers	TN	9	312.40	2,705	0.00	0	120.00	1,039
Bearing Cooling Water Pump Motor	TN	3	312.40	843	0.00	0	120.00	324
Lube Oil Storage Tank	TN	24	312.40	7,341	0.00	0	120.00	2,820
Miscellaneous Steel and Equipment	TN	26	312.40	8,001	0.00	0	120.00	3,073
H2 and Co2 Piping	TN	1	504.10	514	0.00	0	120.00	122
Subtotal				393,498		12,009		731,917
Total Account 344				847,609		194,466		1,169,258
FERC Account 345								
Accessory Electrical Equipment								
Foundations & Structures								
Main Generator Leads & Enclosures(aluminum)	TN	15	852.00	12,780	0.00	0	1,340.00	20,100
Manholes and Hanholes - Concrete	CY	201	36.48	7,332	99.00	19,899	0.00	0
Transformer Foundations - Concrete	CY	50	91.20	4,560	99.00	4,950	0.00	0
Switchgear Foundations - Concrete	CY	30	91.20	2,736	99.00	2,970	0.00	0
Load Control Centers Foundations - Concrete	CY	30	91.20	2,736	99.00	2,970	0.00	0
Aux Power Transformer - 7,500 kva	TN	37	504.10	18,410	0.00	0	120.00	4,382
Startup Transformer	TN	42	504.10	21,364	0.00	0	120.00	5,086
Station Service Transformer	TN	6	504.10	2,924	0.00	0	120.00	696
Transformer Copper	TN	33	525.40	17,191	0.00	0	5,000.00	163,600
Storage Battery	TN	3	504.10	1,512	0.00	0	120.00	360
Underground Ducts - Concrete	CY	782	91.20	71,318	99.00	77,418	0.00	0
Conduit - rigid alum	TN	21	504.10	10,803	0.00	0	1,340.00	28,716
Underground Conduit	CY	4	36.48	143	99.00	389	0.00	0
Exposed Conduits and Trays	TN	5	504.10	2,752	0.00	0	1,340.00	7,316
Buswork and Copper tubing	TN	2	504.10	756	0.00	0	5,000.00	7,500
Motor Control Centers	TN	3	504.10	1,512	0.00	0	120.00	360
Power/Control Wiring - 390,000 ft.	TN	244	852.00	207,675	0.00	0	2,100.00	511,875
Main Control Board for B-T-G	TN	3	504.10	1,512	0.00	0	120.00	360
Switchgear - 4,160v Metalclad	TN	10	504.10	5,041	0.00	0	120.00	1,200
Switchgear - 480v Metalclad	TN	18	504.10	9,074	0.00	0	120.00	2,160
Total Account 345				402,133		108,596		753,712
TOTAL FT. MYERS UNIT 2				10,521,226		3,612,805		5,187,511

FT. MYERS

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Ft. Myers Unit 3								
Acount 342: Fuel Holders								
Light Oil Tank - LO 1/A Tank 48,000 BBLs	TN	0.00	n/a	0	n/a	0	120.00	0
Light Oil Tank - LO 1/B Tank 48,000 BBLs		220.00	n/a	0				
Light Oil Tank - Cleaning	EA	n/a	n/a	0	n/a	0	n/a	0
Light Oil Tank - Soil Remediation	EA	n/a	n/a	0	n/a	0	n/a	0
Demolition of Foundation	EA	n/a	n/a	0	n/a	0	n/a	0
Account 342 Totals				0		0		0
Acount 343: Prime Movers								
Gas Turbine	TN	380.00	177.50	67,450	0.00	0	120.00	45,600
Generator	TN	2,120.00	177.50	376,300	0.00	0	120.00	254,400
Accessory Module	TN	352.00	312.40	109,965	0.00	0	120.00	42,240
Enclosures & Barriers	TN	496.00	312.40	154,950	0.00	0	120.00	59,520
PECC	TN	210.00	312.40	65,604	0.00	0	120.00	25,200
Collector Cab	TN	80.00	312.40	24,992	0.00	0	120.00	9,600
Coling Fan Module	TN	58.00	312.40	18,119	0.00	0	120.00	6,960
GEC W/LCI	TN	300.00	312.40	93,720	0.00	0	120.00	36,000
CT Inlet Filter	TN	600.00	312.40	187,440	0.00	0	120.00	72,000
CT Inlet Duct & Support Steel	TN	740.00	312.40	231,176	0.00	0	120.00	88,800
Exhaust Duct System	TN	1,924.00	312.40	601,058	0.00	0	120.00	230,880
Liquid Fuel & Atomizing Air	TN	344.00	312.40	107,466	0.00	0	120.00	41,280
Water Wash Skid	TN	34.00	312.40	10,622	0.00	0	120.00	4,080
Bus & Equipment	TN	22.50	312.40	7,029	0.00	0	120.00	2,700
Concrete	CY	7,169.00	312.40	2,239,596	99.00	709,731	0.00	0
Inlet Gas Scrubbing	TN	2.60	312.40	812	0.00	0	120.00	312
Miscellaneous Structural Steel	TN	10.00	312.40	3,124	0.00	0	120.00	1,200
Cooling Package Assembly	TN	20.00	312.40	6,248	0.00	0	120.00	2,400
Diffuser	TN	30.00	312.40	9,372	0.00	0	120.00	3,600
Package Piping	TN	84.00	312.40	26,242	0.00	0	120.00	10,080
Storm Water Pumps	TN	2.72	312.40	848	0.00	0	120.00	326
Air compressor	TN	8.84	312.40	2,762	0.00	0	120.00	1,061
Water Cooling Unit	TN	204.00	312.40	63,730	0.00	0	120.00	24,480
Fuel Gas Heat Exchangers	TN	27.00	312.40	8,435	0.00	0	120.00	3,240
Miacellaneous Valves	TN	1.10	312.40	344	0.00	0	120.00	132
				4,417,402		709,731		966,091
Condensate System								
Condensate System 2" & < - Pipe	TN	2.07	312.40	645	0.00	0	120.00	248
Condensate System 2 1/2" & > - Pipe	TN	80.80	234.30	18,930	0.00	0	120.00	9,695
L/B Condensate Piping - Insulation	CY	33.60	71.00	2,386	15.00	504	0.00	0
Condenser Vacuum Pump Skid & Equip	TN	1.25	234.30	293	0.00	0	120.00	150
Condensate Storage Tank Fdn	CY	14.00	91.20	1,277	99.00	1,386	0.00	0
Condensate Make-Up Pumps	TN	0.75	234.30	176	0.00	0	120.00	90
HRSG Chemical Fd. System 2" & < - Pipe	TN	1.02	312.40	319	0.00	0	120.00	122
HRSG Chemical Feed Skids	TN	7.50	234.30	1,757	0.00	0	120.00	900
Lube Oil Storage Tanks	TN	3.26	234.30	764	0.00	0	120.00	391
Miscellaneous Process Tanks	TN	5.30	234.30	1,242	0.00	0	120.00	636
CondensateTransfer System 2" & < - Pipe	TN	2.15	312.40	672	0.00	0	120.00	258
CondensateTransfer System 2 1/2" & > - Pipe	TN	48.66	234.30	11,401	0.00	0	120.00	5,839
Condensate Pumps	TN	2.39	234.30	560	0.00	0	120.00	287

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Condensate Transfer Pumps	TN	2.39	234.30	560	0.00	0	120.00	287
Condensate Storage Tanks	TN	1.20	234.30	280	0.00	0	120.00	143
Bulk Gas System 2" & < - Pipe	TN	5.79	312.40	1,809	0.00	0	120.00	695
Condensers	TN	264.40	234.30	61,949	0.00	0	5,000.00	1,322,000
Gland Steam Condensers	TN	2.50	234.30	586	0.00	0	120.00	300
Condensate Air Rem System 2" & < - Pipe	TN	1.26	312.40	393	0.00	0	120.00	151
Condensate Air Rem System 2 1/2" & > - Pipe	TN	3.53	234.30	826	0.00	0	120.00	423
				106,824		1,890		1,342,616
Account 343 Prime Movers Total				4,524,226		711,621		2,308,707
Account 345: Accessory Electric Equipment								
Electrical Power Cable	TN	10.00	312.40	1,562	0.00	0	120.00	1,200
Electrical Control Cable	TN	5.00	312.40	781	0.00	0	120.00	600
Station Transformer	TN	77.00	312.40	12,027	0.00	0	120.00	9,240
CT Step-up Transformer	TN	93.12	312.40	14,545	0.00	0	120.00	11,174
Control Center-off base	TN	54.00	312.40	8,435	0.00	0	120.00	6,480
Miscellaneous Materials + 5%	TN	1,986.61	312.40	620,616	0.00	0	120.00	238,393
				657,967		0		267,087
Unit 3 Totals				5,182,193		711,621		2,575,794
FT. MYERS GAS TURBINES								
FERC Account 341								
Structures and Improvements								
Yard Lighting	TN	3	504.10	1,386	0.00	0	120.00	330
Maintenance Facility - Overhead Crane - Steel	TN	13	312.40	3,905	0.00	0	120.00	1,500
Maintenance Facility - Structural Steel	TN	45	312.40	14,058	0.00	0	120.00	5,400
Maintenance Facility - Concrete foundation	CY	23	91.20	2,125	99.00	2,307	0.00	0
Yard Drainage Pumps	TN	5	312.40	1,406	0.00	0	120.00	540
Yard Drainage Piping	TN	10	426.00	4,111	0.00	0	120.00	1,158
Service Building - structural Steel	TN	10	504.10	5,041	0.00	0	120.00	1,200
Service Building - Concrete Foundation	CY	188	91.20	17,100	99.00	18,563	0.00	0
Oily Separator - concrete	CY	13	91.20	1,163	99.00	1,262	0.00	0
Total Account 341				50,295		22,131		10,128
FERC Account 342								
Fuel Holders, Producers and Accessories								
Fuel Storage Tanks - 1 @ 180,000 BBLS	TN	540	n/a	34,090	0.00	0	120.00	64,800
Fuel Storage Tank - Soil Remediation			n/a	0	n/a	40,288	0.00	0
Fuel Transfer Pumps - at dock and dock piping	TN	4	312.40	1,250	0.00	0	120.00	480
Light Oil Piping - Dock to Tanks	TN	108	312.40	33,702	0.00	0	120.00	12,946
Fuel Pumping Stations - Concr. Foundation(ea. GT)	CY	160	91.20	14,592	99.00	15,840	0.00	0
Fuel Pumping Stations - Piping & Pumps(ea. GT)	TN	42	504.10	21,172	0.00	0	120.00	5,040
Total Account 342				104,806		56,128		83,266
FERC Account 343								
Prime Movers								
Inlet Duct Arrangement	TN	720	312.40	224,928	0.00	0	120.00	86,400

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Control Compartment	TN	288	312.40	89,971	0.00	0	120.00	34,560
Accessory Compartment	TN	498	312.40	155,575	0.00	0	120.00	59,760
Radiator Fan Assembly	TN	40	312.40	12,371	0.00	0	120.00	4,752
Coupling and Guards accessory	TN	3	312.40	787	0.00	0	120.00	302
Gas Turbine Compartment	TN	1,669	312.40	521,271	0.00	0	120.00	200,232
Air Turbine Duct Compartment	TN	4	312.40	1,387	0.00	0	120.00	533
Aircoustat - Turbine Compartment	TN	3	312.40	1,012	0.00	0	120.00	389
Frame, Side inlet	TN	30	312.40	9,372	0.00	0	120.00	3,600
Enclosure - turbine	TN	9	312.40	2,812	0.00	0	120.00	1,080
Exhaust /system Arrangement	TN	1,038	312.40	324,271	0.00	0	120.00	124,560
Bus duct	TN	19	312.40	5,998	0.00	0	120.00	2,304
Protected Aisle	TN	42	312.40	13,121	0.00	0	120.00	5,040
Unit Structural Steel - each GT	TN	720	312.40	224,928	0.00	0	120.00	86,400
Unit Concrete foundation - each GT	CY	1,941	91.20	177,052	99.00	192,195	0.00	0
Insulation - Fiberglass	CY	3,360	71.00	238,560	15.00	50,400	0.00	0
Total Account 343				2,003,416		242,595		609,912
FERC Account 344								
Generators								
Generator - Electric	TN	1,773	312.40	553,885	0.00	0	120.00	212,760
Generator - Copper	TN	29	695.80	20,178	0.00	0	5,000.00	145,000
Excitation	TN	84	312.40	26,242	0.00	0	120.00	10,080
Insulation - Fiberglass	CY	840	71.00	59,640	15.00	12,600	0.00	0
Total Account 344				659,945		12,600		367,840
FERC Account 345								
Accessory Electric Equipment								
Structural Supports	TN	9	312.40	2,812	0.00	0	120.00	1,080
Transformers - Lighting	TN	1	504.10	504	0.00	0	120.00	120
Main Transformers - one per two GTs	TN	180	312.40	56,232	0.00	0	120.00	21,600
Cranking Motor Transformers - one per two GTs	TN	23	312.40	7,273	0.00	0	120.00	2,794
Aux Transformers - one per two GTs	TN	14	312.40	4,274	0.00	0	120.00	1,642
Transformer Copper	TN	15	525.40	7,807	0.00	0	5,000.00	74,300
Switchgears	TN	86	312.40	26,991	0.00	0	120.00	10,368
Total Account 345				105,893		0		111,903
TOTAL FT. MYERS GAS TURBINES				2,924,354		333,454		1,183,049
TOTAL FT. MYERS COMMON, UNITS 2 & 3 & GAS TURBINES				20,296,120		6,042,838		10,239,987

Manatee Plant

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Manatee Plant

Fossil Units 1 and 2 and Common

The Manatee Plant is located in Manatee County, approximately six miles east of Parrish, Florida. Approximately 4,000 acres of the 6,784-acre site is utilized as a cooling water reservoir for the units. The site has two identical generating units, designed for oil-fired generation. The oil is transported by underground pipeline from Port Manatee. The two units have a combined maximum generator nameplate rating of 1,727 megawatts. Units No. 1 and 2 went into commercial operation during 1976 and 1977 respectively. For purposes of this dismantlement study, the economic recovery dates for these units are as follows:

Unit	Year
Unit 1	2020
Unit 2	2020
Common	2020

The dismantlement of the plants is assumed to require 2 years beginning in 2025.

That portion of Common Plant related to the fuel oil facilities is Common to Units 1 and 2. Those dismantlement costs are recovered on the basis of the same assumptions about economic recovery dates as the cost of the fossil units. The remaining dismantlement costs related to Manatee site are considered Common to all three units and are recovered over the economic recovery date of Combined Cycle Unit 3, which went into service in June, 2005.

The steam generators for Units 1 and 2 are Foster Wheeler Corporation outdoor, twin-drum, radiant, reheat, natural circulation type with a water-cooled furnace. Each unit has essentially one complete Westinghouse Electric condensing steam turbine coupled to a hydrogen-cooled electric generator.

Manatee Combined Cycle Unit 3

The new Combined Cycle Unit 3 is located on the existing Manatee Plant site, and the combined cycle technology maximizes the beneficial use of the site while minimizing environmental, land use and cost impacts. Manatee Unit 3 generates 1,150 MW of power. Unit 3 increases the generating capacity of the site without increasing the overall size of the site.

Unit 3 consists of four nominal 170-MW GE "F" Class Advanced Combustion Turbines with DLN combustors and four HRSG's, which utilize waste heat from the CT to produce steam to drive a new steam turbine generator.

Manatee Plant

For purposes of this dismantlement study, the economic recovery dates for Unit 3 and related Common Plant are as follows:

Unit	Year
Unit 3	2030
Common	2030

The dismantlement of the Unit 3 is assumed to require 2 years beginning in 2035.

The cooling reservoir covers over 4,400 acres with an average depth of 12 feet containing over 13 billion gallons of water. Several varieties of habitats and animal life co-exist on this 9,500-acre tract. The pastures, forests, wetlands and sundry crop lands provide permanent or seasonal homes for 25 species of mammals, 15 assorted reptiles and 40 types of birds, including the Sandhill Crane.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Manatee site in Docket No. 070378-EI, Order No. PSC-08-0095-PAA-EI, issued on February 14, 2008. The current accruals became effective as of January 1, 2007.

MANATEE
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Manatee Common				
	Production Plant				
311	Structures and Improvements	3,357,793	4,352,367	289,478	7,420,682
312	Boiler Plant Equipment	87,363	0	35,423	51,941
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	233,595	197,712	94,263	337,045
316	Miscellaneous Equipment	1,275	0	490	785
	Subtotal	3,680,027	4,550,079	419,653	7,810,453
	Other Site Costs:				
	Site Management Expenses	1,129,968			1,129,968
	Asbestos Abatement Costs	1,148			1,148
	Stack Disposal & Special Waste	1,125,267			1,125,267
	Intake & Discharge Backfill	202,614			202,614
	Grading & Seeding	3,089,939			3,089,939
	Subtotal	5,548,936	0	0	5,548,936
		9,228,963	4,550,079	419,653	13,359,389
	Contingency - 16%	1,476,634	728,013		2,204,647
		10,705,598	5,278,091	419,653	15,564,036
	Unusable M&S Inventory	800,000		80,000	720,000
		11,505,598	5,278,091	499,653	16,284,036
	Manatee Fuel Oil Storage Facility				
311	Structures and Improvements	3,497,869	5,712,549	1,137,005	8,073,413
312	Boiler Plant Equipment	0	0	0	0
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	225,684	2,160	377,191	(149,347)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	3,723,552	5,714,709	1,514,196	7,924,066
	Contingency - 16%	595,768	914,353		1,510,122
	Subtotal for Manatee Fuel Oil Storage Facility	4,319,321	6,629,063	1,514,196	9,434,188
	Unusable M&S Inventory	1,971,329		197,133	1,774,196
		6,290,650	6,629,063	1,711,329	11,208,384
	Manatee Units 1 & 2				
	Structures and Improvements	6,886,193	3,650,256	287,826	10,248,623
	Boiler Plant Equipment	11,844,050	4,927,772	4,280,734	12,491,089
	Turbogenerator Units	1,675,693	779,612	3,420,084	(964,779)
	Accessory Electrical Equipment	2,463,068	1,699,776	2,255,629	1,907,214
	Miscellaneous Equipment	137,688	0	33,009	104,679
	Subtotal	23,006,691	11,057,417	10,277,282	23,786,825
311	Contingency - 16%	3,681,071	1,769,187		5,450,257
312	**Total Manatee Units 1 & 2**	26,687,761	12,826,603	10,277,282	29,237,083
314					
315					
316	**Manatee Unit 3**				
	Structures and Improvements	1,583,874	954,075	371,514	2,166,434
	Fuel Holders	49,612	0	21,007	28,605
	Prime Movers	3,678,056	647,896	2,426,928	1,899,024
	Turbogenerator Units	451,790	151,200	648,360	(45,371)
	Accessory Electrical Equipment	752,519	538,133	245,361	1,045,291
	Miscellaneous Equipment	20,352	0	7,966	12,386
341	Total Manatee Unit 3	6,536,202	2,291,304	3,721,135	5,106,370
342					
343	Contingency - 16%	1,045,792	366,609		1,412,401
344	**Total Manatee Unit 3**	7,581,994	2,657,912	3,721,135	6,518,771
345					
346	**Total Manatee Units 1, 2, 3 and Common**	52,066,003	27,391,669	16,209,399	63,248,273

MANATEE
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Manatee Common	2,591,593	3,699,057	6,629,063	1,711,329	11,208,384
Manatee Units 1 & 2	16,012,657	10,675,105	12,826,603	10,277,282	29,237,083
Manatee Unit 3	4,549,197	3,032,798	2,657,912	3,721,135	6,518,771
Manatee Common CC	6,423,359	5,082,239	5,278,091	499,653	16,284,036
Total	29,576,804	22,489,199	27,391,669	16,209,399	63,248,273

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

MANATEE DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The fuel oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits;

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

MANATEE DISMANTLEMENT ASSUMPTIONS (continued)

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However the dismantlement cost of substation equipment is not included in this study, so as to avoid the possibility of duplicating recovery of costs already reflected in the net salvage factor of the substation plant accounts' depreciation rates.

An expandable grout will be used to remove the turbine pedestals. The chimneys will be control-blasted.

Manatee plant has very little asbestos. FPL's Environmental Department recently completed a survey of asbestos at our production plants. It was determined that a minimal amount of asbestos insulation is in use at Manatee. It is estimated that the cost of abating this small quantity of asbestos is $1,148.

It is assumed that the cooling reservoir at the Manatee site will not be back-filled. The State of Florida has expressed an interest in using the reservoir for water management purposes. Also, some communities have indicated interest in its potential use as a source of water.

The fourteen mile steel pipeline from the fuel oil storage facility to the power plant will be unearthed, cut up and taken as scrap. The one and one-half mile pipeline from Port Manatee to the fuel oil storage facility, though steel, is encased in five inches of concrete and assumed unfeasible for salvage. It will be unearthed, cut up and disposed of at the Manatee County Landfill.

It is assumed that dismantlement activity at Manatee will begin five years after the end of the economic recovery period. The economic recovery dates used for this assumption are as follows:

Units	Economic Recovery Date
Unit 1	2020
Unit 2	2020
Common Fossil	2020
Unit 3	2030
Common Comb. Cy.	2030

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove hazardous materials; i.e., leads (alkaline), acids, solvents, lubricants, oils, chemicals, and gasses.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines and backfill trenches.
- Remove main steam, hot and cold piping, downcomers, valves, and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove intake and discharge structures, equipment pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS
(Continued)

- Remove gas supply metering site, valve stations, underground distribution system.
- Remove solid and liquid wastes from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove fuel oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

MANATEE DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the Manatee Plant. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$38.60	X	6	=	$231.60
Foreman	$49.00	X	1	=	$49.00
Heavy Equipment Operator	$46.70	X	1	=	$46.70
Total Cost per hour of 8 man crew					$327.31
Cost per man hour		$327.31	/ 8	=	$40.91

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					34,370.00
Front End Loader					6,824.90
Cutting Equipment					231.75
Total per month					$41,426.65
41,426.65	/ 176	hours per month =			235.38
Cost per man hour		$235.38	/ 8	=	$29.42
Plus: amount for small tools					1.00
Total Cost per man hour					$30.42

Equipment & Labor Summary

Labor	$40.91
Equipment	30.42
Total	$71.34
Rounded	$71.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$76.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$71.00	2.50 MH / Ton	$177.50 / Ton
Heavy Steel (2)	$71.00	3.30 MH / Ton	$234.30 / Ton
General Steel	$71.00	4.40 MH / Ton	$312.40 / Ton
Light Steel	$71.00	7.10 MH / Ton	$504.10 / Ton
Concrete	$76.00	0.48 MH / CY	$36.48 / CY
Reinforced Concrete	$76.00	1.20 MH / CY	$91.20 / CY
Copper-Elect. Cable & Generator Leads &	$71.00	12.00 MH / Ton	$852.00 / Ton
Copper - Generator	$71.00	9.80 MH / Ton	$695.80 / Ton
Copper - Transformer	$71.00	7.40 MH / Ton	$525.40 / Ton
General Insulation	$71.00	1.00 MH / CY	$71.00 / CY
Inground Pipe-Metal(3)	$71.00	6.00 MH / Ton	$426.00 / Ton
Concrete Pipe	$76.00	4.60 MH / Ton	$349.60 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Manatee County Landfill. Concrete and calcium silicated insulation are all non-hazardous wastes. The tipping fee is $52.50/ton. These rates were obtained from Waste Management. charges are: $564.88 per haul for a 20 cy dumpster and $625.25 per haul for a 30 cy dumpster. For the 20 cubic yard dumpster, the first three tons are included in the per-haul charge. For the 30 cubic yard dumpster, the first four tons are included in the per-haul charge.

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located appropriately in the detailed spreadsheet.

MANATEE DISMANTLEMENT STUDY

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons. 30.50 tons less 3 ton limit = 27.5 tons.

Dumpster Cost	$564.88	/ haul	X	1 haul.	=	564.88
Tipping Fees	$52.50	/ ton	X	27.5 tons	=	1,443.75
Total Cost per round Trip						2,008.63
Cost per Cubic Yard	$2,008.63	/ 15.38 cubic yards =				$130.60
Plus 10% contractor profit						13.06
Total Cost per Cubic Yard						$143.66
Rounded Cost per Cubic Yard						$144.00

Insulation - Calcium Silicate (Non-Hazardous)

A trailer with a 30 cubic yard capacity is used for insulation because of its lighter weight. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons. One dumpster filled with insulation falls within the four ton limit, so there is no tipping fee.

Dumpster Cost	$625.25	/ haul	X	1 haul	=	625.25
Tipping Fees	$52.50	/ ton	X	0 tons	=	0.00
Total Cost per round Trip						625.25
Cost per Cubic Yard	$625.25	/ 27 cubic yards =				$23.16
Plus 10% contractor profit						2.32
Total Cost per Cubic Yard						$25.47
Rounded Cost per Cubic Yard						$25.00

MANATEE DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month for site indirect costs.. These expenses are to be incurred over the 24 month dismantlement period for the Manatee Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management,. supervison, security, etc..

Site Management Expenses per month	$47,082
Number of months	24.00
Total Site Management Expenses	$1,129,968

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. Construction Estimating has updated the costs. The charge for the Intake is $44,128; the cost for the discharge is $35,115. Manatee has 3 Intakes and 2 Discharges:

	Cost/Structure	Quantity	Totals
Intake	$44,128	3	$132,384
Discharge	$35,115	2	$70,230
			$202,614

* Manatee's Intake Structure is larger than average so for costing purposes, it is treated as 2. An intake and discharge have been added with Manatee Unit 3.

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is $63,579 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Manatee Acreage to be graded and seeded	48.60
Cost Factor	$63,579
Total Grading and Seeding Expense	$3,089,939

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At Manatee, the following cost estimates have been identified:

Description	Amount
Asbestos	$1,148
Lead in paint	900
Basins Clean Out/Material	79,385
Special Waste	369,574
Tanks/Washwater	21,000
Soil/Other Contamination	654,408
Total	$1,126,415

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
MANATEE COMMON									
FERC Account 311									
Improvements to Site									
Structures									
Roads (asphalt)	CY	1	2,490.00	36.48	90,835	144.00	358,560	0.00	0
Walks, Yard Paving, Parking(asphalt/concrete)	CY	1	1,323.00	36.48	48,263	144.00	190,512	0.00	0
Yard Lighting - Copper Wiring	TN	1	3.42	852.00	2,915	0.00	0	2,100.00	7,185
Yard Lighting - Conduit (aluminum)	TN	1	24.06	426.00	10,251	0.00	0	1,020.00	24,545
Railroad Rails - Steel	TN	1	549.83	504.10	277,171	0.00	0	120.00	65,980
Railroad Cross-ties	TN	1	824.78	36.48	30,088	144.00	118,768	0.00	0
Subtotal					459,523		667,840		97,710
Domestic Water Supply									
Piping, Vlvs Under 4" - Steel	TN	1	41.88	504.10	21,114	0.00	0	120.00	5,026
Subtotal					21,114		0		5,026
Storm & Sanitary Sewer System									
Oil Separator Tank - 4000 gal (fiberglass)	TN	2	8.39	504.10	4,229	0.00	0	120.00	1,007
Oil Separator Pump/ Motor	TN	2	2.00	312.40	625	0.00	0	120.00	240
Water Collecting Pond - Reinforced Concrete	CY	1	594.00	91.20	54,173	144.00	85,536	0.00	0
Sewage Treatment - Misc. Steel & Piping	TN	1	2.50	312.40	781	0.00	0	120.00	300
Sewage Treatment - Disposal Tanks (total)	TN	1	6.85	312.40	2,140	0.00	0	120.00	822
Septic Tank - 750 gal (concrete)	TN	1	1.32	36.48	48	0.00	0	0.00	0
Catch Basins & Manholes - Reinforced Concrete	CY	1	692.00	91.20	63,110	144.00	99,648	0.00	0
Subtotal					125,106		185,184		2,369
Yard Fire Protection System									
Motor-driven Fire Pump/ Motor	TN	1	3.55	312.40	1,109	0.00	0	120.00	426
Fire Pump/ Motor Foundation - Reinf Conc	CY	1	31.00	91.20	2,827	144.00	4,464	0.00	0
Engine-driven Fire Pump/ Motor	TN	1	1.21	312.40	378	0.00	0	120.00	145
Subtotal					4,314		4,464		571
Circulating and Service Water System									
Intake Structure									
Structures/ Foundations - Reinforced Concrete	CY	1	9,258.00	91.20	844,330	144.00	1,333,152	0.00	0
Structural Steel	TN	1	19.00	234.30	4,452	0.00	0	120.00	2,280
Handrailing, Grating, Checkerplate - Steel	TN	1	1.75	312.40	547	0.00	0	120.00	210
Cofferdam - Steel	TN	1	156.67	312.40	48,944	0.00	0	120.00	18,800
40-Ton Gantry Crane	TN	1	91.00	234.30	21,321	0.00	0	120.00	10,920
40-Ton Gantry Crane Track Rail - Steel	TN	1	4.65	504.10	2,344	0.00	0	120.00	558
Stop Logs - Reinforced Concrete	CY	1	47.11	91.20	4,296	144.00	6,784	0.00	0
Conduit - Aluminum	TN	1	1.49	504.10	753	0.00	0	1,020.00	1,523
Subtotal					926,986		1,339,936		34,291
Service Water System									
Foundation/ Slab - Reinforced Concrete	CY	1	879.00	91.20	80,165	144.00	126,576	0.00	0
Structural Steel	TN	1	33.00	234.30	7,732	0.00	0	120.00	3,960
Well Water Pump w/ motor	TN	3	6.81	312.40	2,127	0.00	0	120.00	817
Demineralizer w/ 7.5 hp motor	TN	2	2.36	312.40	737	0.00	0	120.00	283
Demineralizer w/ 15 hp motor	TN	2	3.36	312.40	1,049	0.00	0	120.00	403

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Conveyer System w/ 2 hp motor	TN	1	2.50	312.40	781	0.00	0	120.00	300
Coagulator Tank w/ motor	TN	1	19.90	234.30	4,663	0.00	0	120.00	2,388
Lime Tank & Mixer - Steel	TN	1	1.22	312.40	381	0.00	0	120.00	146
Alum Tank & Mixer - Steel	TN	1	1.62	312.40	506	0.00	0	120.00	194
Clearwell Tank - Steel	TN	1	25.00	234.30	5,858	0.00	0	120.00	3,000
Acid Feed Tank - Steel	TN	1	7.50	312.40	2,343	0.00	0	120.00	900
Sand Filter Tank - Steel	TN	4	50.40	234.30	11,809	0.00	0	120.00	6,048
Carbon Filter Tank - Steel	TN	1	1.79	312.40	558	0.00	0	120.00	214
Conduit - Aluminum	TN	1	1.75	504.10	880	0.00	0	120.00	210
Subtotal					119,589		126,576		18,864
Raw Water Make-up System									
Raw Water Storage Tank - 500,000 gal	TN	1	55.00	234.30	12,887	0.00	0	120.00	6,600
Foundation - Reinforced Concrete	CY	1	203.00	91.20	18,514	144.00	29,232	0.00	0
Piping, Vlvs 4" to 8" - Steel	TN	1	3.67	504.10	1,848	0.00	0	120.00	440
Piping, Vlvs - Fiberglass	TN	1	33.94	426.00	14,460	0.00	0	0.00	0
Subtotal					47,709		29,232		7,040
Open Cooling Water System									
36" Piping/ Misc. Vlvs - Iron	TN	1	4.82	426.00	2,052	0.00	0	120.00	578
Subtotal					2,052		0		578
Other Service Water System									
Service Water Pump w/ 125 hp motor	TN	2	2.25	312.40	701	0.00	0	120.00	269
Treated Water Storage Tank - 500,000 gal	TN	1	55.00	234.30	12,887	0.00	0	120.00	6,600
Potable Water Storage Tank - 14,000 gal	TN	1	5.50	312.40	1,718	0.00	0	120.00	660
Water Treatment Area Foundations - Reinf Conc	CY	1	859.00	91.20	78,341	144.00	123,696	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	62.26	504.10	31,384	0.00	0	120.00	7,471
Piping, Vlvs 4" to 8" - Steel	TN	1	58.14	312.40	18,164	0.00	0	120.00	6,977
Subtotal					143,195		123,696		21,978
Neutralization Basin									
Acid Retention Basin - Reinforced Concrete	CY	1	584.00	91.20	53,261	144.00	84,096	0.00	0
Recovered Service Water Pump w/ motor	TN	2	4.50	312.40	1,406	0.00	0	120.00	540
Recovered Service Water Basin - Reinf Conc	CY	1	151.00	91.20	13,771	144.00	21,744	0.00	0
Waste Water Treatment Control Panel	TN	1	1.55	504.10	781	0.00	0	120.00	186
Piping, Vlvs - Fiberglass	TN	1	16.26	504.10	8,195	0.00	0	0.00	0
Subtotal					77,414		105,840		726
Discharge Structure									
Circ Water Discharge Sluice Gate - Iron	TN	2	11.00	312.40	3,436	0.00	0	120.00	1,320
Structure - Reinforced Concrete	CY	1	2,057.00	91.20	187,598	144.00	296,208	0.00	0
Subtotal					191,035		296,208		1,320
Station Structures									
Calibration Shop - Concrete Block 2,000 sf	CY	1	31.02	36.48	1,132	144.00	4,467	0.00	0
Acid Lift Station Pump w/ 100 hp motor	TN	2	9.60	312.40	2,997	0.00	0	120.00	1,151
Acid Lift Station Pump w/ 100 hp motor	TN	2	9.18	312.40	2,866	0.00	0	120.00	1,101
90-Ton Gantry Crane w/ 30-Ton Auxiliary Hoist	TN	1	178.90	234.30	41,916	0.00	0	120.00	21,468
90-Ton Gantry Crane Track Rail - Steel	TN	1	20.00	504.10	10,082	0.00	0	120.00	2,400
Control Bldg Foundation - Reinforced Concrete	CY	1	398.00	91.20	36,298	144.00	57,312	0.00	0
Control Bldg - Aluminum Siding 20,364 sf	TN	1	15.27	504.10	7,698	0.00	0	120.00	1,832

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Control Bldg - Concrete Block 6,820 sf	CY	1	105.77	36.48	3,859	144.00	15,231	0.00	0
Control Bldg - Aluminum Sheet Metal 8,100 sf	TN	1	12.15	504.10	6,125	0.00	0	120.00	1,458
Control Bldg - Built-up Roofing 2,850 sf	TN	1	8.55	36.48	312	144.00	1,231	0.00	0
Control Bldg Phone Eqpmnt Room - Struc Steel	TN	1	7.60	234.30	1,781	0.00	0	120.00	912
Personnel Elevator - 2,000 lb capacity	TN	1	6.36	312.40	1,988	0.00	0	120.00	764
Freight Elevator - 10,000 lb capacity	TN	1	9.00	312.40	2,812	0.00	0	120.00	1,080
Freight Elevator - Structural Steel	TN	1	19.65	234.30	4,604	0.00	0	120.00	2,358
Subtotal					124,469		78,241		34,525
Fuel and Ash Structures									
Ash Disposal Basin - Reinforced Concrete	CY	1	2,852.00	91.20	260,102	144.00	410,688	0.00	0
Ash Disposal Basin - PH Analyzer	TN	1	2.00	504.10	1,008	0.00	0	120.00	240
Ash Disposal Basin Guard Rails 750 lf	TN	1	1.88	312.40	587	0.00	0	120.00	226
Fuel Oil Transfer Pump w/ 100 hp motor	TN	3	9.60	312.40	2,999	0.00	0	120.00	1,152
F/O Transfer Pump Basket Strainer - Iron	TN	3	3.47	312.40	1,085	0.00	0	120.00	417
Fuel Oil Transfer Heater - Steel	TN	4	36.92	312.40	11,534	0.00	0	120.00	4,430
Day/ Light Oil Tank Fndtns/ Dike - Reinf Conc	CY	1	1,559.00	91.20	142,181	144.00	224,496	0.00	0
Day/ Light Oil Tank Fire Wall - Reinf Conc	CY	1	477.00	91.20	43,502	144.00	68,688	0.00	0
Piping, Vlvs Under 4"- Steel	TN	1	19.96	504.10	10,059	0.00	0	120.00	2,395
Piping, Vlvs 4" to 8" - Steel	TN	1	4.84	312.40	1,513	0.00	0	120.00	581
Piping, Vlvs Over 8" - Steel	TN	1	217.10	234.30	50,866	0.00	0	120.00	26,052
Piping Supports - Reinforced Concrete	CY	1	966.00	91.20	88,099	144.00	139,104	0.00	0
Pipe Sleeves & Anchor Plates - Steel	TN	1	10.00	504.10	5,041	0.00	0	120.00	1,200
Piping 4" to 8" - Iron	TN	1	6.75	426.00	2,876	0.00	0	120.00	810
Piping Over 8" - Iron	TN	1	1.45	426.00	618	0.00	0	120.00	174
Insulation	CY	1	3.96	71.00	281	25.00	99	0.00	0
Subtotal					622,353		843,075		37,676
Service Building									
Spread Footings - Reinforced Concrete	CY	1	135.00	91.20	12,312	144.00	19,440	0.00	0
Structural Steel	TN	1	30.00	234.30	7,029	0.00	0	120.00	3,600
Walls - Concrete Block 31,877 sf	CY	1	494.39	36.48	18,035	144.00	71,192	0.00	0
Columns & Tie Beams - Reinforced Concrete	CY	1	333.00	91.20	30,370	144.00	47,952	0.00	0
Slabs & Landings - Reinforced Concrete	CY	1	338.00	91.20	30,826	144.00	48,672	0.00	0
Interior Partitions - Conc Block 8,875 sf	CY	1	137.64	36.48	5,021	144.00	19,821	0.00	0
Pre-cast Floor Slabs - Concrete	CY	1	370.26	36.48	13,507	144.00	53,317	0.00	0
Pre-cast Roof Slabs - Concrete	CY	1	422.82	36.48	15,424	144.00	60,886	0.00	0
Built-up Roofing	TN	1	72.37	36.48	2,640	144.00	10,421	0.00	0
Air Conditioning Unit - 240,000 BTU	TN	1	2.25	312.40	703	0.00	0	120.00	270
Air Conditioning Unit - 167,000 BTU	TN	1	2.20	312.40	687	0.00	0	120.00	264
Air Conditioning Unit - 142,000 BTU	TN	1	1.00	504.10	504	0.00	0	120.00	120
5-Ton Machine Shop Bridge Crane	TN	1	2.37	312.40	740	0.00	0	120.00	284
Conduit - Aluminum	TN	1	1.78	504.10	898	0.00	0	120.00	214
Piping, Vlvs Under 4" - Steel	TN	1	12.92	504.10	6,514	0.00	0	120.00	1,551
Piping, Vlvs 4" to 8" - Steel	TN	1	2.50	312.40	779	0.00	0	120.00	299
Piping 4" to 8" - Iron	TN	1	9.80	426.00	4,173	0.00	0	120.00	1,176
Subtotal					150,164		331,701		7,778
Other Buildings									
Foundations - Reinforced Concrete	CY	1	353.00	91.20	32,194	144.00	50,832	0.00	0
Walls - Concrete Block 8,162 sf	CY	1	126.59	36.48	4,618	144.00	18,228	0.00	0
Pre-cast Roofs - Concrete	CY	1	60.48	36.48	2,206	144.00	8,709	0.00	0

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Built-up Roofing	TN	1	11.30	36.48	412	144.00	1,627	0.00	0
Roof Supports - Steel (Intake Chlomtr Bldg)	TN	1	1.86	312.40	580	0.00	0	120.00	223
Subtotal					40,010		79,397		223
Warehouses									
Foundations - Reinforced Concrete	CY	1	979.00	91.20	89,285	144.00	140,976	0.00	0
Structural Steel	TN	1	574.00	234.30	134,488	0.00	0	0.00	0
Siding/ Roofing - Aluminum	TN	1	154.69	504.10	77,979	0.00	0	120.00	18,563
Fencing - Aluminum	TN	1	2.00	504.10	1,008	0.00	0	120.00	240
Subtotal					302,760		140,976		18,803
Total Account 311					3,357,793		4,352,367		289,478
FERC Account 312									
Boiler Plant Service Equipment									
Feed Water System									
Strong Acid Cation Exchanger - Steel	TN	2	70.50	234.30	16,518	0.00	0	120.00	8,460
Weak Base Anion Exchanger - Steel	TN	2	39.00	234.30	9,138	0.00	0	120.00	4,680
Strong Base Anion Exchanger - Steel	TN	3	32.70	234.30	7,662	0.00	0	120.00	3,924
Mixed Bed Ion Exchanger - Steel	TN	2	23.35	234.30	5,471	0.00	0	120.00	2,802
Air Compressor - 308 cfm w/ 40 hp motor	TN	1	1.00	504.10	504	0.00	0	120.00	120
Acid Storage Tank - Steel	TN	1	48.50	234.30	11,364	0.00	0	120.00	5,820
Caustic Storage Tank -Steel	TN	1	7.50	312.40	2,343	0.00	0	120.00	900
Brine Measuring Tank - Steel	TN	1	3.66	312.40	1,143	0.00	0	120.00	439
Brine Recirculation Control Panel - Steel	TN	1	5.16	504.10	2,603	0.00	0	120.00	620
Subtotal					58,745		0		27,765
Boiler Wash System									
Caustic Wash Service Tank/ Agitator - Steel	TN	1	3.52	312.40	1,098	0.00	0	120.00	422
Caustic Wash Mixing Tank/ Agitator - Steel	TN	1	2.65	312.40	828	0.00	0	120.00	318
Lime Slurry Mixing Tank/ Agitator - Steel	TN	1	1.93	312.40	602	0.00	0	120.00	231
Piping, Vlvs Under 4" - Steel	TN	1	55.72	504.10	28,090	0.00	0	120.00	6,687
Subtotal					30,618		0		7,658
Total Account 312					87,363		0		35,423
FERC Account 315									
Accessory Electrical Equipment									
Power Conversion Equipmemt									
Start-up Transformer (6.9kva)	TN	1	59.30	504.10	29,893	0.00	0	120.00	7,116
Start-up Switchgear (6.9kva)	TN	1	13.80	504.10	6,957	0.00	0	120.00	1,656
6,900V Non-segregated Phase Bus	TN	1	6.78	504.10	3,418	0.00	0	120.00	814
Start-up Transformer Foundation - Reinf Conc	CY	1	184.00	91.20	16,781	144.00	26,496	0.00	0
Station Svc Trnsfrmr - 2,500 kva (oil-cooled)	TN	1	7.80	504.10	3,932	0.00	0	120.00	936
Manholes & Handholes - Reinforced Concrete	CY	1	499.00	91.20	45,509	144.00	71,856	0.00	0
480V Motor Control Center	TN	1	3.50	504.10	1,764	0.00	0	120.00	420
2400V Switchgear	TN	1	7.57	504.10	3,814	0.00	0	120.00	908
Neutral Grounding Transformer - Steel	TN	2	8.00	504.10	4,033	0.00	0	120.00	960
Transformer Copper	TN	1	28.44	525.40	14,942	0.00	0	2,100.00	59,724
Emergency Diesel Generator & Accessories	TN	1	12.12	312.40	3,788	0.00	0	120.00	1,455
480V Emergency Diesel Load Center/ Switchgear	TN	1	3.70	504.10	1,865	0.00	0	120.00	444
Underground Conduit, Ducts - Reinf Concrete	CY	1	690.00	91.20	62,928	144.00	99,360	0.00	0

MANATEE DISMANTLEMENT STUDY

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Conduit (underground) - Steel	TN	1	47.70	426.00	20,320	0.00	0	0.00	0
Conduit (exposed) - Steel	TN	1	11.12	504.10	5,607	0.00	0	0.00	0
Copper Wiring - Insulated	TN	1	9.44	852.00	8,045	0.00	0	2,100.00	19,830
Total Account 315					233,595		197,712		94,263
FERC Account 316									
Miscellaneous Power Plant Equipment									
Station Air Compressor (880 CFM) w/ motor	TN	1	4.08	312.40	1,275	0.00	0	120.00	490
Total Account 316					1,275		0		490
TOTAL MANATEE COMMON					3,680,027		4,550,079		419,653
MANATEE UNITS 1 & 2									
FERC Account 311									
Improvements to Site									
Yard Piping Bridge									
Structural Steel	TN	1	164.00	234.30	38,425	0.00	0	120.00	19,680
Subtotal					38,425		0		19,680
Storm & Sanitary Sewer System									
Piping, Vlvs 4" to 8" - Steel	TN	1	13.56	312.40	4,237	0.00	0	120.00	1,628
Piping, Vlvs 4" to 8" - Iron	TN	1	95.71	426.00	40,772	0.00	0	120.00	11,485
Piping, Vlvs Over 8" - Iron	TN	1	71.64	426.00	30,519	0.00	0	120.00	8,597
Fiberglass Piping, Vlvs	TN	1	12.18	426.00	5,188	0.00	0	120.00	1,462
Piping Over 8" - Reinforced Concrete	TN	1	300.08	349.60	104,908	0.00	0	0.00	0
Subtotal					185,625		0		23,171
Yard Fire Protection System									
Piping, Vlvs 4" & Under - Steel	TN	1	5.02	504.10	2,529	0.00	0	120.00	602
Piping, Vlvs 4" to 8" - Steel	TN	1	6.00	312.40	1,875	0.00	0	120.00	720
Piping 4" to 8" - Iron	TN	1	2.16	426.00	919	0.00	0	120.00	259
Piping Over 8" - Iron	TN	1	132.39	426.00	56,400	0.00	0	120.00	15,887
Subtotal					61,723		0		17,469
Circulating and Service Water System									
Open Cooling Water System									
Intake Cooling Water Pump w/ motor	TN	2	27.60	312.40	8,622	0.00	0	120.00	3,312
Pump Basket Strainer (30") - Steel	TN	2	15.95	312.40	4,983	0.00	0	120.00	1,914
36" Piping - Reinforced Concrete	TN	1	2,069.82	349.60	723,608	0.00	0	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	116.54	504.10	58,749	0.00	0	120.00	13,985
Piping, Vlvs 4" to 8" - Steel	TN	1	70.45	312.40	22,009	0.00	0	120.00	8,454
Subtotal					817,971		0		27,665
Intake Structure Equipment & Piping									
Traveling Water Screen - Steel	TN	4	144.25	234.30	33,798	0.00	0	120.00	17,310
Screen Wash Pump w/ motor	TN	4	17.00	312.40	5,311	0.00	0	120.00	2,040
Trash Rake - Aluminum	TN	4	16.00	504.10	8,066	0.00	0	120.00	1,920
5-ton Electric Hoist	TN	1	3.00	312.40	937	0.00	0	120.00	360
Intake Piping (66") - Reinforced Concrete	CY	1	5,474.10	349.60	1,913,745	0.00	0	0.00	0
Subtotal					1,961,857		0		21,630
Discharge Piping									

MANATEE DISMANTLEMENT STUDY

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Discharge Piping (66") - Reinforced Concrete	TN	1	615.26	349.60	215,094	0.00	0	0.00	0
Discharge Piping (114") - Reinforced Concrete	TN	1	2,764.80	349.60	966,574	0.00	0	0.00	0
Subtotal					1,181,668		0		0
Station Structures									
Spread Footings - Reinforced Concrete	CY	1	11,966.00	91.20	1,091,299	144.00	1,723,104	0.00	0
Footings, Piers & Grade Beams - Reinf Conc	CY	1	6,393.00	91.20	583,042	144.00	920,592	0.00	0
Ground Floor Slabs - Reinforced Concrete	CY	1	4,387.00	91.20	400,094	144.00	631,728	0.00	0
Turbine Generator Building - Structural Steel	TN	1	892.00	234.30	208,996	0.00	0	120.00	107,040
T-G Bldg - Stairways & Handrailing 4,377 lf	TN	1	60.16	312.40	18,795	0.00	0	120.00	7,219
Elevated Slabs - Reinforced Concrete	CY	1	1,733.00	91.20	158,050	144.00	249,552	0.00	0
Grating & Floor Plating - Steel 7,146 sf	TN	1	78.06	312.40	24,386	0.00	0	120.00	9,367
Lift Station Structure/ Fndation - Reinf Conc	CY	1	870.00	91.20	79,344	144.00	125,280	0.00	0
Lift Station Pump w/ 40 hp motor	TN	2	5.20	312.40	1,624	0.00	0	120.00	624
Lift Station Pump w/ 125 hp motor	TN	2	9.68	312.40	3,024	0.00	0	120.00	1,162
Conduit - Aluminum	TN	1	31.84	504.10	16,051	0.00	0	1,020.00	32,478
Insulated Copper Wiring	TN	1	2.90	852.00	2,472	0.00	0	2,100.00	6,094
Piping, Vlvs Under 4" - Steel	TN	1	2.98	504.10	1,500	0.00	0	120.00	357
Piping, Vlvs 4" to 8" - Steel	TN	1	30.87	312.40	9,644	0.00	0	120.00	3,704
Piping, Vlvs Over 8" - Steel	TN	1	3.90	234.30	913	0.00	0	120.00	468
Piping, Vlvs Under 4" - Iron	TN	1	1.34	426.00	571	0.00	0	120.00	161
Piping, Vlvs 4" to 8" - Iron	TN	1	44.50	426.00	18,958	0.00	0	120.00	5,340
Piping, Vlvs Over 8" - Iron	TN	1	34.98	426.00	14,900	0.00	0	120.00	4,197
15" Piping - Reinforced Concrete	TN	1	15.05	349.60	5,261	0.00	0	0.00	0
Subtotal					2,638,923		3,650,256		178,211
Total Account 311					6,886,193		3,650,256		287,826
FERC Account 312									
Boiler Plant Service Equipment									
Fuel Oil Day Tank - Steel 24,000 bbl	TN	2	210.00	n/a	31,642	0.00	0	120.00	25,200
Light Oil Tank - Steel 2,000 bbl	TN	1	16.00	n/a	6,818	0.00	0	120.00	1,920
Foundation - tanks				n/a	129,369	n/a	0	0.00	0
Fuel Oil Tank Cleaning				n/a	0	n/a	158,000	0.00	0
Sand base removal				n/a	0	n/a	53,074	0.00	0
Fuel Oil Burner Pump Heater - Steel	TN	1	14.16	312.40	4,424	0.00	0	120.00	1,699
Burner Fuel Oil Heater - Steel	TN	6	46.98	312.40	14,677	0.00	0	120.00	5,638
Fuel Oil Burner Pump/ Motor	TN	3	14.52	312.40	4,536	0.00	0	120.00	1,742
Basket Strainer (18") - Steel	TN	2	4.63	312.40	1,446	0.00	0	120.00	556
Fuel Oil Burner Booster Pump w/ motor	TN	2	18.96	312.40	5,923	0.00	0	120.00	2,275
Forced Draft Fan	TN	4	162.40	234.30	38,050	0.00	0	120.00	19,488
Forced Draft Fan Motor	TN	4	106.04	234.30	24,845	0.00	0	120.00	12,725
Forced Draft Fan Hydraulic Coupling	TN	4	62.00	312.40	19,369	0.00	0	120.00	7,440
Gas Induction Fan	TN	2	146.00	234.30	34,208	0.00	0	120.00	17,520
Gas Induction Fan Motor	TN	2	50.80	234.30	11,902	0.00	0	120.00	6,096
Gas Induction Fan Hydraulic Coupling	TN	2	37.00	312.40	11,559	0.00	0	120.00	4,440
F/D Fan & G/I Fan Foundations - Reinf Conc	CY	1	2,500.00	91.20	228,000	144.00	360,000	0.00	0
Breeching Foundations - Reinforced Concrete	CY	1	260.00	91.20	23,712	144.00	37,440	0.00	0
Steel Support - Fan Removal	TN	1	272.00	234.30	63,730	0.00	0	120.00	32,640
Ductwork - Steel (53,761 sf x 1/4")	TN	1	548.37	312.40	171,310	0.00	0	120.00	65,804
Forced Draft Fan Hoist - 7 1/2 Ton	TN	2	5.40	312.40	1,687	0.00	0	120.00	648
Gas Induction Fan Hoist - 7 1/2 Ton	TN	2	4.76	312.40	1,487	0.00	0	120.00	571

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Insulated Copper Wire	TN	1	8.34	852.00	7,105	0.00	0	2,100.00	17,513
Conduit - Aluminum	TN	1	39.81	504.10	20,068	0.00	0	1,020.00	40,605
Piping, Vlvs Under 4" - Steel	TN	1	122.18	504.10	61,593	0.00	0	120.00	14,662
Piping, Vlvs 4" to 8" - Steel	TN	1	80.37	312.40	25,106	0.00	0	120.00	9,644
Piping, Vlvs Over 8" - Steel	TN	1	118.31	234.30	27,721	0.00	0	120.00	14,198
Piping, Vlvs 4" to 8" - Iron	TN	1	39.50	426.00	16,825	0.00	0	120.00	4,740
Piping, Vlvs Over 8" - Iron	TN	1	66.35	426.00	28,264	0.00	0	120.00	7,962
Piping, Vlvs - Fiberglass	TN	1	1.75	426.00	746	0.00	0	0.00	0
15" Piping - Reinforced Concrete	TN	1	8.31	91.20	758	144.00	1,197	0.00	0
Piping Foundations - Reinforced Concrete	CY	1	214.00	91.20	19,517	144.00	30,816	0.00	0
Piping Insulation	CY	1	59.09	71.00	4,195	25.00	1,477	0.00	0
Subtotal					1,040,592		642,004		315,725
Boiler Plant Equipment									
Structural Steel	TN	1	5,830.00	234.30	1,365,969	0.00	0	120.00	699,600
Checkerplate - Steel 49,094 sf	TN	1	441.84	312.40	138,031	0.00	0	120.00	53,021
Handrailing - Steel 12,216 lf	TN	1	61.08	312.40	19,081	0.00	0	120.00	7,330
Steam Generation Unit - including:									
Steam Drum, Internals, Supports	TN	2	1,090.00	234.30	255,387	0.00	0	120.00	130,800
Burner Area & Windboxes	TN	1	163.00	234.30	38,191	0.00	0	120.00	19,560
Penthouse Area	TN	1	1,633.00	234.30	382,612	0.00	0	120.00	195,960
Heat Recovery Area	TN	1	586.00	234.30	137,300	0.00	0	120.00	70,320
Hopper Area	TN	1	27.00	234.30	6,326	0.00	0	120.00	3,240
Water Walls/ Headers	TN	1	3,506.00	234.30	821,456	0.00	0	120.00	420,720
Downcomers	TN	1	1,350.00	234.30	316,305	0.00	0	120.00	162,000
Air Preheater	TN	2	2,670.00	234.30	625,581	0.00	0	120.00	320,400
Steam Coil Air Heater	TN	1	30.48	234.30	7,141	0.00	0	120.00	3,658
Superheater	TN	1	2,002.00	234.30	469,069	0.00	0	120.00	240,240
Reheater	TN	1	1,885.00	234.30	441,656	0.00	0	120.00	226,200
Economizer	TN	1	1,463.00	234.30	342,781	0.00	0	120.00	175,560
Flues/ Ductwork	TN	1	1,379.00	312.40	430,800	0.00	0	120.00	165,480
Boiler Setting - Insulation	CY	1	4,180.80	71.00	296,837	25.00	104,520	0.00	0
Soot Blower	TN	32	124.80	312.40	38,988	0.00	0	120.00	14,976
Soot Blower Support Steel	TN	1	40.00	312.40	12,496	0.00	0	120.00	4,800
Safety/ Relief Valves (total)	TN	1	28.00	312.40	8,747	0.00	0	120.00	3,360
Safety/ Relief Valve Silencers	TN	1	70.00	312.40	21,868	0.00	0	120.00	8,400
Instrument Air Compressor w/ 100 hp motor	TN	2	25.20	312.40	7,872	0.00	0	120.00	3,024
Instrument Air Dryer	TN	1	4.00	312.40	1,250	0.00	0	120.00	480
Compressor Foundations - Reinforced Concrete	CY	1	15.00	91.20	1,368	144.00	2,160	0.00	0
Boiler Combustion Controls	TN	1	7.00	504.10	3,529	0.00	0	120.00	840
Steam and Water Sampling System	TN	1	3.00	504.10	1,512	0.00	0	120.00	360
Air Preheater Cleaning & Washing System	TN	2	5.35	504.10	2,695	0.00	0	120.00	642
Piping, Vlvs Under 4" - Steel	TN	1	65.95	504.10	33,244	0.00	0	120.00	7,914
Piping, Vlvs 4" to 8" - Steel	TN	1	30.45	312.40	9,513	0.00	0	120.00	3,654
Piping, Vlvs Over 8" - Steel	TN	1	15.50	234.30	3,632	0.00	0	120.00	1,860
Piping Insulation	CY	1	8.34	71.00	592	25.00	209	0.00	0
Subtotal					6,241,827		106,889		2,944,397
Boiler Plant Auxiliaries									
Feedwater System									
#1 Low Pressure Feedwater Heater - Steel	TN	2	123.40	234.30	28,913	0.00	0	120.00	14,808
#2 Low Pressure Feedwater Heater - Steel	TN	2	87.80	234.30	20,572	0.00	0	120.00	10,536

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
#3 Low Pressure Feedwater Heater - Steel	TN	1	83.60	234.30	19,587	0.00	0	120.00	10,032
#4 Low Pressure Feedwater Heater - Steel	TN	1	85.60	234.30	20,056	0.00	0	120.00	10,272
#5 Low Pressure Feedwater Heater - Steel	TN	1	107.30	234.30	25,140	0.00	0	120.00	12,876
#6 High Pressure Feedwater Heater - Steel	TN	2	192.60	234.30	45,126	0.00	0	120.00	23,112
#7 High Pressure Feedwater Heater - Steel	TN	2	214.00	234.30	50,140	0.00	0	120.00	25,680
Condensate Recovery Drain Cooler - Steel	TN	1	2.00	504.10	1,008	0.00	0	120.00	240
Condensate Recovery Vent Condenser - Steel	TN	1	2.50	312.40	781	0.00	0	120.00	300
Boiler Feed Pump	TN	2	57.90	234.30	13,566	0.00	0	120.00	6,948
Boiler Feed Pump Motor	TN	2	52.10	234.30	12,207	0.00	0	120.00	6,252
Boiler Feed Pump Lube Oil Reservoir - Steel	TN	2	10.80	312.40	3,374	0.00	0	120.00	1,296
Boiler Feed Pump Lube Oil Batch Tank - Steel	TN	1	3.86	312.40	1,206	0.00	0	120.00	463
Boiler Feed Pump Lube Oil Conditioning Tank	TN	1	2.00	504.10	1,008	0.00	0	120.00	240
Heater Drain Pump/ Motor	TN	2	23.80	312.40	7,435	0.00	0	120.00	2,856
Heater Drain Pump Strainer - Steel	TN	2	4.00	504.10	2,016	0.00	0	120.00	480
Heater Drain Pmp/ Mtr Foundation - Reinf Conc	CY	1	20.00	91.20	1,824	144.00	2,880	0.00	0
Condensate Storage Tank - 400,000 gal	TN	1	96.00	234.30	22,493	0.00	0	120.00	11,520
Condensate Strg Tank Foundation - Reinf Conc	CY	1	420.00	91.20	38,304	144.00	60,480	0.00	0
Condensate Recovery Tank - Steel	TN	1	18.69	312.40	5,840	0.00	0	120.00	2,243
Condensate Rcvry Tank Foundation - Reinf Conc	CY	1	32.00	91.20	2,918	144.00	4,608	0.00	0
Condensate Recovery Flash Tank - Steel	TN	1	2.82	312.40	881	0.00	0	120.00	339
Blowdown Tank - Steel	TN	1	12.65	312.40	3,952	0.00	0	120.00	1,518
Blowdown Tank Silencer - Steel	TN	1	2.84	312.40	887	0.00	0	120.00	341
Blowdown Tank Foundation - Reinf Concrete	CY	1	20.00	91.20	1,824	144.00	2,880	0.00	0
Boiler Blowdown Heat Exchanger - Steel	TN	1	3.90	312.40	1,218	0.00	0	120.00	468
System Piping, Vlvs Under 4" - Steel	TN	1	102.10	504.10	51,469	0.00	0	120.00	12,252
System Piping, Vlvs 4" to 8" - Steel	TN	1	88.04	312.40	27,505	0.00	0	120.00	10,565
System Piping, Vlvs Over 8" - Steel	TN	1	52.95	234.30	12,405	0.00	0	120.00	6,354
System Insulation	CY	1	70.12	71.00	4,979	25.00	1,753	0.00	0
Subtotal					428,636		72,601		171,991
Closed Cooling Water System Equipment									
Cooling Water Pump w/ 300 hp motor	TN	2	13.68	312.40	4,274	0.00	0	120.00	1,642
Cooling Water Pump Strainer (20") - Iron	TN	2	5.33	312.40	1,665	0.00	0	120.00	640
Cooling Water Heat Exchanger - Steel	TN	2	96.00	234.30	22,493	0.00	0	120.00	11,520
Pmp/mtr, Heat Exchanger Fndtions - Reinf Conc	CY	1	91.00	91.20	8,299	144.00	13,104	0.00	0
Cooling Water Surge Tank - Steel	TN	1	4.01	312.40	1,253	0.00	0	120.00	481
Subtotal					37,984		13,104		14,283
Boiler Plant Piping - All Systems									
Piping, Vlvs Under 4" - Steel	TN	1	658.89	504.10	332,146	0.00	0	120.00	79,067
Piping, Vlvs 4" to 8" - Steel	TN	1	448.78	312.40	140,197	0.00	0	120.00	53,853
Piping, Vlvs Over 8" - Steel	TN	1	2,120.18	234.30	496,758	0.00	0	120.00	254,422
Copper Tubing	TN	1	19.25	504.10	9,702	0.00	0	5,000.00	96,230
Steel Tubing	TN	1	1.57	504.10	789	0.00	0	120.00	188
Piping Insulation	CY	1	253.64	71.00	18,009	25.00	6,341	0.00	0
Subtotal					997,602		6,341		483,759
Induced Draft Equipment									
Induced Draft Fan	TN	4	422.80	234.30	99,062	0.00	0	120.00	50,736
Induced Draft Fan Motor - 4,500 hp	TN	4	132.00	234.30	30,928	0.00	0	120.00	15,840
Induced Draft Fan Hydraulic Coupling	TN	4	120.00	234.30	28,116	0.00	0	120.00	14,400
ID Fans/ Motors Foundation - Reinf Concrete	CY	1	2,304.00	91.20	210,125	144.00	331,776	0.00	0

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
I/D Fan Hoist - 20 Ton	TN	1	4.20	312.40	1,312	0.00	0	120.00	504
Dust Collector, Vibrating System, Outlet Duct	TN	1	1,025.00	312.40	320,210	0.00	0	120.00	123,000
Stack Breeching Foundation - Reinf Concrete	CY	1	641.00	91.20	58,459	144.00	92,304	0.00	0
Ductwork - Steel (70,395 sf x 1/4")	TN	1	718.03	312.40	224,314	0.00	0	120.00	86,164
Ash Pits - Reinforced Concrete	CY	1	68.00	91.20	6,202	144.00	9,792	0.00	0
Ash Water Pump w/ 40 hp motor	TN	2	4.70	312.40	1,468	0.00	0	120.00	564
Stack Foundation - Reinforced Concrete	CY	1	10,141.00	91.20	924,859	144.00	1,460,304	0.00	0
Stack - Reinforced Concrete	CY	1	7,702.00	91.20	702,422	144.00	1,109,088	0.00	0
Stack Lining - Concrete Brick	CY	1	7,521.60	36.48	274,388	144.00	1,083,110	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	2.63	504.10	1,323	0.00	0	120.00	315
Piping, Vlvs 4" to 8" - Steel	TN	1	2.93	312.40	916	0.00	0	120.00	352
Piping, Vlvs Over 8" - Steel	TN	1	128.26	234.30	30,051	0.00	0	120.00	15,391
Insulation	CY	1	18.37	71.00	1,304	25.00	459	0.00	0
Subtotal					2,915,460		4,086,834		307,266
Miscellaneous Equipment & Steel	TN	1	360.94	504.10	181,950	0.00	0	120.00	43,313
Total Account 312					11,844,050		4,927,772		4,280,734
FERC Account 314									
Turbogenerator Unit									
Foundations									
Turbine Pedestal - Reinforced Concrete	CY	1	5,147.00	91.20	469,406	144.00	741,168	0.00	0
Subtotal					469,406		741,168		0
Turbogenerator Equipment									
Turbine Generator	TN	1	1,367.69	177.50	242,765	0.00	0	120.00	164,123
Main Lube Oil Pump w/ motor	TN	1	6.00	312.40	1,874	0.00	0	120.00	720
Aux Lube Oil Pump w/ motor	TN	1	4.00	312.40	1,250	0.00	0	120.00	480
Turbine Copper	TN	1	124.00	695.80	86,279	0.00	0	5,000.00	620,000
Lube Oil Conditioning Tank - Steel	TN	1	6.54	312.40	2,043	0.00	0	120.00	785
Lube Oil Batch Tank - 15,000 gal	TN	1	24.40	234.30	5,717	0.00	0	120.00	2,928
Piping, Vlvs Under 4" - Steel	TN	1	26.78	504.10	13,500	0.00	0	120.00	3,214
Piping, Vlvs 4" to 8" - Steel	TN	1	11.61	312.40	3,626	0.00	0	120.00	1,393
Subtotal					357,054		0		793,642
Condenser and Auxiliaries									
Condenser Shell - Steel	TN	1	848.48	234.30	198,799	0.00	0	0.00	0
Condenser Tubes - Aluminum-Brass	TN	1	867.87	504.10	437,493	0.00	0	2,800.00	2,430,036
Condenser Tubes - Cupro Nickel	TN	1	30.28	504.10	15,262	0.00	0	4,000.00	121,104
Condenser Foundation - Reinforced Concrete	CY	1	264.00	91.20	24,077	144.00	38,016	0.00	0
Condensate Pump w/ 2,250 hp motor	TN	2	58.84	234.30	13,786	0.00	0	120.00	7,061
Condensate Pump Strainer/ Baskets (30") -Iron	TN	2	7.40	312.40	2,312	0.00	0	120.00	888
Circ Water Priming Vacuum Pump/Motors/Tank	TN	1	5.70	312.40	1,781	0.00	0	120.00	684
Hogging Ejector, Other Ejecs, Assoc Eqpmnt	TN	1	18.00	312.40	5,623	0.00	0	120.00	2,160
Piping, Vlvs Under 4" - Steel	TN	1	19.58	504.10	9,868	0.00	0	120.00	2,349
Piping, Vlvs 4" to 8" - Steel	TN	1	10.80	312.40	3,373	0.00	0	120.00	1,296
Piping, Vlvs Over 8" - Steel	TN	1	16.12	234.30	3,777	0.00	0	120.00	1,935
System Insulation	CY	1	17.13	71.00	1,216	25.00	428	0.00	0
Subtotal					717,369		38,444		2,567,512
Circulating Water System									

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Pump - 100,000 gpm	TN	4	332.00	234.30	77,788	0.00	0	120.00	39,840
Pump Motor - 1,000 hp	TN	4	96.80	234.30	22,680	0.00	0	120.00	11,616
Subtotal					100,468		0		51,456
Miscellaneous Equipment & Steel	TN	1	62.28	504.10	31,395	0.00	0	120.00	7,474
Total Account 314					1,675,693		779,612		3,420,084
FERC Account 315									
Accessory Electrical Equipment									
Generator Leads & Supports									
Foundations - Reinforced Concrete	CY	1	1,804.00	91.20	164,525	144.00	259,776	0.00	0
Generator Leads Enclosures/ Supports - Steel	TN	1	64.00	312.40	19,994	0.00	0	120.00	7,680
Subtotal					184,518		259,776		7,680
Power Conversion Equipment									
6900V Metal-clad Switchgear	TN	2	384.40	504.10	193,776	0.00	0	120.00	46,128
6900V Non-segregated Phase Bus	TN	1	38.65	504.10	19,481	0.00	0	5,000.00	193,230
6900V Non-segregated Phase Bus - Struc Steel	TN	1	7.50	234.30	1,757	0.00	0	120.00	900
480V Metal-clad Switchgear	TN	1	82.20	504.10	41,437	0.00	0	120.00	9,864
480V Load Control Center - 1,000 kva	TN	2	10.40	504.10	5,243	0.00	0	120.00	1,248
480V Load Control Center - 1,500 kva	TN	4	26.00	504.10	13,107	0.00	0	120.00	3,120
480V Motor Control Center (9 @ >1 ton each)	TN	1	58.20	504.10	29,339	0.00	0	120.00	6,984
Auxiliary Power Transformer	TN	1	98.10	504.10	49,452	0.00	0	120.00	11,772
Station Service Transformer	TN	1	15.60	504.10	7,864	0.00	0	120.00	1,872
Transformer Copper	TN	1	25.64	525.40	13,471	0.00	0	5,000.00	128,200
Xfrmr/Swgr Foundations/ Curbs - Reinf Conc	CY	1	837.00	91.20	76,334	144.00	120,528	0.00	0
Manholes & Handholes - Reinforced Concrete	CY	1	1,584.00	91.20	144,461	144.00	228,096	0.00	0
Generator Isolated Phase Bus	TN	1	75.84	504.10	38,229	0.00	0	5,000.00	379,186
Generator Isolated Phase Bus - Struc Steel	TN	1	18.00	234.30	4,217	0.00	0	120.00	2,160
Neutral Grounding Transformer	TN	3	24.00	504.10	12,098	0.00	0	120.00	2,880
Transformer Neutral Grounding System Eqpt	TN	3	7.50	504.10	3,781	0.00	0	120.00	900
Current Transformer	TN	6	12.00	504.10	6,049	0.00	0	120.00	1,440
125VDC Load Control Center	TN	1	7.00	504.10	3,529	0.00	0	120.00	840
25 kva Cyberez Static Inverter	TN	2	4.00	504.10	2,016	0.00	0	120.00	480
25 kva Uninterruptible Power Supply (UPS)	TN	1	2.00	504.10	1,008	0.00	0	120.00	240
Battery Unit - 125VDC, 60-Cell	TN	1	21.00	504.10	10,586	0.00	0	120.00	2,520
Battery Charger	TN	3	6.30	504.10	3,176	0.00	0	120.00	756
Main Boiler-Turbine Generator Control Board	TN	1	51.16	504.10	25,790	0.00	0	120.00	6,139
Main Boiler-Turbine Generator Control Panel	TN	1	17.60	504.10	8,872	0.00	0	120.00	2,112
Bus Current Transformer	TN	3	6.00	504.10	3,025	0.00	0	120.00	720
Potential Transformer	TN	1	4.50	504.10	2,268	0.00	0	120.00	540
Voltage & Field Breaker Regulator	TN	1	12.00	504.10	6,049	0.00	0	120.00	1,440
Conduit (underground) - PVC	TN	1	246.15	426.00	104,862	0.00	0	120.00	29,539
Conduit (exposed) - Steel	TN	1	374.94	504.10	189,007	0.00	0	120.00	44,993
Conduit Supports - Reinforced Concrete	CY	1	7,579.00	91.20	691,205	144.00	1,091,376	0.00	0
Cable Tray - Steel	TN	1	96.76	504.10	48,776	0.00	0	120.00	11,611
Power and Control Wiring - Insulated Copper	TN	1	581.18	852.00	495,167	0.00	0	2,100.00	1,220,481
Grounding Wire - Bare Copper	TN	1	27.13	852.00	23,116	0.00	0	5,000.00	135,655
Subtotal					2,278,549		1,440,000		2,247,949
Total Account 315					2,463,068		1,699,776		2,255,629

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
FERC Account 316									
Miscellaneous Power Plant Equipment									
Compressed Air Piping, Vlvs Under 4" - Steel	TN	1	128.62	504.10	64,835	0.00	0	120.00	15,434
Compressed Air Piping, Vlvs 4" to 8" - Steel	TN	1	5.09	312.40	1,591	0.00	0	120.00	611
Nitrogen Purge Piping, Vlvs Under 4" - Steel	TN	1	141.36	504.10	71,262	0.00	0	120.00	16,964
Total Account 316					137,688		0		33,009
TOTAL MANATEE UNITS 1 & 2					23,006,691		11,057,417		10,277,282
MANATEE FUEL OIL STORAGE FACILITY									
FERC Account 311									
Improvements to Site									
Port Manatee Unloading Facility									
30" Buried Piping to Storage Facility	TN	1	3,133.82	426.00	1,335,007	0.00	0	0.00	0
Pre-cast Pipe Clamps/ Supports - Concrete	CY	1	1,694.55	36.48	61,817	144.00	244,015	0.00	0
Valve Pits - Reinforced Concrete	CY	1	94.43	91.20	8,612	144.00	13,598	0.00	0
Subtotal					1,405,437		257,613		0
Manatee Fuel Oil Storage Facility									
Asphalt Paving	CY	1	609.54	36.48	22,236	144.00	87,774	0.00	0
Septic Tank System - Concrete	TN	1	2.00	349.60	699	0.00	0	0.00	0
Surge Basin - Reinforced Concrete	CY	1	59.82	91.20	5,456	144.00	8,614	0.00	0
Collection Sumps - Steel (total)	TN	1	12.31	312.40	3,846	0.00	0	120.00	1,477
Collection Sumps Foundations - Reinf Concrete	CY	1	30.46	91.20	2,778	144.00	4,386	0.00	0
Fuel Oil Purge Tank Foundation - Reinf Conc	CY	1	802.77	91.20	73,213	144.00	115,599	0.00	0
Sump Tanks - Steel (total)	TN	1	4.70	312.40	1,468	0.00	0	120.00	564
Yard Platforms, Walkways & Ladders - Steel	TN	1	26.00	312.40	8,122	0.00	0	120.00	3,120
Firemain Piping (4" & 12") & Hydrants - Steel	TN	1	28.00	426.00	11,928	0.00	0	120.00	3,360
Oily Waste Separator, Pump, Motor - Steel	TN	1	6.80	312.40	2,124	0.00	0	120.00	816
Diesel-driven Firepump/ Motor	TN	1	1.20	312.40	375	0.00	0	120.00	144
Motor-driven Firepump/ Motor	TN	1	1.00	504.10	504	0.00	0	120.00	120
500,000 bbl F/O Storage Tank & Mixers - Steel	TN	4	5,619.00	n/a	204,544	0.00	0	120.00	674,280
Fuel Oil Tank Foundation	EA	1	n/a	n/a	0	n/a	51,700	0.00	0
Fuel Oil Purge Tank - 37,000 bbl	TN	1	142.50	n/a	34,090	0.00	0	120.00	17,100
Fuel Oil Purge Tank - 37,000 bbl - Cleaning	EA	1	n/a	n/a	0	n/a	350,000	0.00	0
Fuel Oil Purge Tank - 37,000 bbl - Soil remediation	EA	1	n/a	n/a	0	n/a	19,592	0.00	0
Diesel Fuel Tank - TMT 1254 HTRS	TN	1	24.50	n/a	6,818	n/a	0	120.00	2,940
Diesel Fuel Tank Foundation - Reinf Concrete	CY	1	177.77	n/a	26,825	n/a	0	0.00	0
Diesel Fuel Tank - Cleaning Cost and Soil Remediation		1	n/a	n/a	0	n/a	15,459	0.00	0
500,000 bbl F/O Storage Tank Insulation	CY	4	2,720.00	71.00	193,120	25.00	68,000	0.00	0
500,000 bbl Tank Ladder & Platform - Steel	TN	4	11.40	312.40	3,561	0.00	0	120.00	1,368
Fuel Oil Tank Cleaning	EA	4	n/a	n/a	0	n/a	3,800,000	0.00	0
500,000 bbl Tank - Soil Remediation	EA	4	9,785.52	n/a	0	0.00	836,808	0.00	0
Fuel Oil Heating Boiler - Steel	TN	2	36.77	234.30	8,615	0.00	0	120.00	4,412
Fuel Oil Heat Exchanger - Steel	TN	2	10.90	312.40	3,405	0.00	0	120.00	1,308
Fuel Mainline Pump w/ 300 hp motor	TN	3	7.33	312.40	2,289	0.00	0	120.00	879
Fuel Mainline Pump Strainer - Iron	TN	3	3.06	312.40	956	0.00	0	120.00	367
Mainline Pmp/ Mtr/ Strnr Fndtion - Reinf Conc	CY	1	80.07	91.20	7,302	144.00	11,530	0.00	0
Fuel Oil Booster Pump w/ Motor	TN	2	2.42	312.40	756	0.00	0	120.00	290
Fuel Oil Booster Pump Strainer - Iron	TN	2	4.35	312.40	1,358	0.00	0	120.00	522

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Pipeline Strainer (24") - Iron	TN	1	1.90	312.40	594	0.00	0	120.00	228
Pipeline Strainer (20") - Iron	TN	1	1.65	312.40	515	0.00	0	120.00	198
16" Piping, Vlvs to Martin Plant - Steel	TN	1	3,117.58	426.00	1,328,089	0.00	0	120.00	374,110
16" Pipeline Clamps - Steel	TN	1	8.76	504.10	4,416	0.00	0	120.00	1,051
Yard Piping, Vlvs Over 8" - Steel	TN	1	356.11	234.30	83,438	0.00	0	120.00	42,734
Yard Piping Supports - Steel	TN	1	10.00	234.30	2,343	0.00	0	120.00	1,200
Yard Piping Supports - Reinforced Concrete	CY	1	60.00	91.20	5,472	144.00	8,640	0.00	0
Meter Prover and Assoc Equipment - Steel	TN	1	13.00	312.40	4,061	0.00	0	120.00	1,560
Metering Installation - Steel	TN	1	21.30	312.40	6,654	0.00	0	120.00	2,556
Fuel Oil Purge Pump w/ motor	TN	1	1.00	504.10	504	0.00	0	120.00	120
Firepump Building - Concrete Block	CY	1	34.54	36.48	1,260	144.00	4,974	0.00	0
Firepump Building - Concrete Roofing	CY	1	25.77	36.48	940	144.00	3,711	0.00	0
Control Building - Concrete Block	CY	1	150.08	36.48	5,475	144.00	21,612	0.00	0
Control Building - Concrete Roofing	CY	1	140.00	36.48	5,107	144.00	20,160	0.00	0
Control Building - HVAC	TN	1	1.50	312.40	469	0.00	0	120.00	180
Building Foundations - Reinforced Concrete	CY	1	183.18	91.20	16,706	144.00	26,378	0.00	0
Subtotal					2,092,432		5,454,936		1,137,005
Total Account 311					3,497,869		5,712,549		1,137,005
FERC Account 315									
Accessory Electrical Equipment									
Manatee Fuel Oil Storage Facility									
Aux Power Transformer - 3750 kva	TN	1	11.00	504.10	5,545	0.00	0	120.00	1,320
Transformer - 500 kva	TN	1	1.40	504.10	703	0.00	0	120.00	167
480V Motor Control Cntr/ 2400V Swgr Structure	TN	1	20.00	504.10	10,082	0.00	0	120.00	2,400
Mtr Cntrl Cntr/ Switchgear Fndtn - Reinf Conc	CY	1	15.00	91.20	1,368	144.00	2,160	0.00	0
Emergency Diesel Generator & Assoc Equipment	TN	1	2.65	312.40	828	0.00	0	120.00	318
Neutral Grounding Transformer	TN	1	3.00	504.10	1,512	0.00	0	120.00	360
Transformer Copper	TN	1	6.16	525.40	3,235	0.00	0	5,000.00	30,790
Conduit - Steel	TN	1	264.00	504.10	133,082	0.00	0	120.00	31,680
Cable Trays - Steel	TN	1	9.24	504.10	4,658	0.00	0	120.00	1,109
Insulated Copper Wiring	TN	1	16.47	852.00	14,032	0.00	0	2,100.00	34,587
Bare Copper Wiring	TN	1	54.70	852.00	46,604	0.00	0	5,000.00	273,500
Supervisory Control Consoles (total)	TN	1	8.00	504.10	4,033	0.00	0	120.00	960
Total Account 315					225,684		2,160		377,191
TOTAL MANATEE FUEL OIL STORAGE FACILITY					3,723,552		5,714,709		1,514,196
TOTAL MANATEE COMMON, UNITS 1 & 2 AND FUEL OIL STORAGE FACILITY					30,410,270		21,322,204		12,211,131
Manatee Unit 3									
Account 341: Structures and Improvements									
Lighting and Fire Protection Systems									
Yard Lighting	TN	1	5.50	504.10	2,773	0.00	0	120.00	660
Plant Lighting	TN	1	2.00	504.10	1,008	0.00	0	120.00	240
Fire Protection System Foundation	CY	1,325	53.00	91.20	4,834	144.00	7,632	0.00	0
Sanitary Sewer Piping Foundations	CY	1,230	18.22	91.20	1,662	144.00	2,624	0.00	0
					10,276		10,256		900
Power Block									

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Power Block - Structural Steel	TN	1,044	1,044.00	234.30	244,609	0.00	0	120.00	125,280
Base Plates	TN	4	80.00	234.30	18,744	0.00	0	120.00	9,600
Power Block - Handrail, Toeblock, Misc.	TN	2	10.00	504.10	5,041	0.00	0	120.00	1,200
Power Block - Decking	TN	80,000	600.00	504.10	302,460	0.00	0	120.00	72,000
Power Block - Ladders, Stairs & Platforms	TN	100	100.00	504.10	50,410	0.00	0	120.00	12,000
HRSG Structural/Ductwork	TN	4	840.20	312.40	262,478	0.00	0	120.00	100,824
Power Block Grade Slab Concrete	CY	2,000	2,000.00	91.20	182,400	144.00	288,000	0.00	0
Power Block Structure Foundation Concrete	CY	2,500	2,500.00	91.20	228,000	144.00	360,000	0.00	0
Power Block Elevated Slabs	CY	1,000	1,000.00	91.20	91,200	144.00	144,000	0.00	0
HRSG Analyzer Building	CY	500	200.00	91.20	18,240	144.00	28,800	0.00	0
HRSG DCS Building	CY	500	111.11	91.20	10,133	144.00	16,000	0.00	0
					1,413,716		836,800		320,904
Open Cooling Water System									
OCW System 2" & < - Pipe	TN	450	0.68	312.40	211	0.00	0	120.00	81
OCW System 2 1/2" & > - Pipe	TN	1,500	82.50	234.30	19,330	0.00	0	120.00	9,900
OCW Duplex Basket Strainers	TN	4	0.60	312.40	187	0.00	0	120.00	72
Open Cooling Water Pumps	TN	4	47.20	234.30	11,059	0.00	0	120.00	5,664
Open Cooling Water Booster Pumps	TN	3	9.80	234.30	2,297	0.00	0	120.00	1,176
					33,084		0		16,893
Pond Water System									
Pond Water System 2" & < - Pipe	TN	330	0.50	312.40	155	0.00	0	120.00	59
Pond Water System 2 1/2" & > - Pipe	TN	1,225	6.13	234.30	1,435	0.00	0	120.00	735
Pond Water Booster Pumps	TN	2	6.54	234.30	1,531	0.00	0	120.00	784
					3,121		0		1,579
Water Treatment System									
Service Water System 2" & < - Pipe	TN	2,800	4.20	234.30	1,312	0.00	0	120.00	504
Service Water System 2 1/2" & > - Pipe	TN	900	4.50	234.30	410	0.00	0	120.00	540
Service Water Pumps	TN	4	2.27	312.40	709	0.00	0	120.00	272
HRSG Blowdown Tank Sump	CY	200	200.00	91.20	18,240	144.00	28,800	0.00	0
Wastewater System 2" & < - Pipe	TN	1,230	1.85	312.40	576	0.00	0	120.00	221
Power Block Drainage Pipe Foundations	CY	4,290	63.56	36.48	2,319	144.00	9,152	0.00	0
Wastewater System 2 1/2" & > - Pipe	TN	15,600	234.00	234.30	54,826	0.00	0	120.00	28,080
Sump Pumps	TN	42	10.50	234.30	2,460	0.00	0	120.00	1,260
Sump Pumps & Miscellaneous	TN	12	3.00	234.30	703	0.00	0	120.00	360
Potable Water System	CY	2,000	29.63	36.48	1,081	144.00	4,267	0.00	0
Pipe Rack Drilled Piers - Concrete	CY	450	450.00	91.20	41,040	144.00	64,800	0.00	0
					123,677		107,019		31,238
Account 341 Totals:					1,583,874		954,075		371,514
Account 342: Fuel Holders, Producers and Accessories									
Gas System									
Natural Gas System 2" & < - Pipe	TN	40	0.06	312.40	19	0.00	0	120.00	7
Gas Piping	TN	2,000	110.00	312.40	34,364	0.00	0	120.00	13,200
Natural Gas System 2 1/2" & > - Pipe	TN	500	27.50	234.30	6,443	0.00	0	120.00	3,300
Liquid Fuel System 2 1/2" & > - Pipe	TN	2,500	37.50	234.30	8,786	0.00	0	120.00	4,500
Account 342 Totals:					49,612		0		21,007

MANATEE DISMANTLEMENT STUDY

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Acount 343: Prime Movers									
HRSG Foundation	CY	606	606.00	91.20	55,267	144.00	87,264	0.00	0
HRSG Mechanical	TN	4	635.20	177.50	112,748	0.00	0	120.00	76,224
Mechanical Finishes - Casings	TN	1	66.45	234.30	15,569	0.00	0	120.00	7,974
Modules - Unit 3	TN	4	9,402.60	177.50	1,668,962	0.00	0	120.00	1,128,312
HRSG Blowdown System 2 1/2" & > - Pipe	TN	800	28.00	234.30	6,560	0.00	0	120.00	3,360
Electrical &Controls - Unit 3	TN	2	55.00	312.40	17,182	0.00	0	120.00	6,600
					1,876,288		87,264		1,222,470
Feedwater System									
Feedwater System 2" & < - Pipe	TN	3,000	4.50	312.40	1,406	0.00	0	120.00	540
Feedwater System 2 1/2" & > - Pipe	TN	2,500	87.50	312.40	27,335	0.00	0	120.00	10,500
HRSG HP Feedwater Pumps	TN	3	55.80	312.40	17,432	0.00	0	120.00	6,696
HRSG LP Feedwater Pumps	TN	3	55.80	312.40	17,432	0.00	0	120.00	6,696
HRSG Feed Pump Foudations Concrete	CY	450	450.00	91.20	41,040	144.00	64,800	0.00	0
H P Feed Pumps - Insulation	CY	1,200	13.33	71.00	947	25.00	333	0.00	0
L P Feed Pumps - Insulation	CY	500	5.56	71.00	394	25.00	139	0.00	0
L/B Feedwater Piping - Insulation	CY	2,547	99.05	71.00	7,033	25.00	2,476	0.00	0
					113,018		67,748		24,432
Combustion Turbine									
Combustion Turbine Fdn Mat Concrete	CY	1	1,300.00	91.20	118,560	144.00	187,200	0.00	0
Condensate Pump Casings	TN	4	4.00	234.30	937	0.00	0	120.00	480
Misc. Mechanical Equipment Fdn Concrete	CY	1	300.00	91.20	27,360	144.00	43,200	0.00	0
CT Equipment Fdn Concrete Pads	CY	1	450.00	91.20	41,040	144.00	64,800	0.00	0
C.T. 3 Combustion Turbine	TN	4	400.00	177.50	71,000	0.00	0	120.00	48,000
CT 3 Insulation	CY	1	180.00	71.00	12,780	25.00	4,500	0.00	0
C.T. Interconnect Pipe 1 1/2" & >	TN	1	210.00	234.30	49,203	0.00	0	120.00	25,200
C.T. Interconnect Pipe 1 1/2" & <	TN	1	9.50	234.30	2,226	0.00	0	120.00	1,140
					323,106		299,700		74,820
Main Steam System									
Main Steam System 2 1/2" & > Pipe	TN	7,500	1,687.50	234.30	395,381	0.00	0	120.00	202,500
L/B Main Steam Piping - Insulation	CY	5,600	217.78	71.00	15,462	25.00	5,444	0.00	0
Aux Boiler System 2" & < - Pipe	TN	1,000	1.50	312.40	469	0.00	0	120.00	180
Aux Boiler System 2 1/2" & > - Pipe	TN	400	6.00	234.30	1,406	0.00	0	120.00	720
L/B Auxiliary Boiler Piping - Insulation	CY	900	15.00	71.00	1,065	25.00	375	0.00	0
L/B Piping - Insulation	CY	450	7.50	71.00	533	25.00	188	0.00	0
					414,315		6,007		203,400
Blowdown System									
HRSG Blowdown System 2" & Under - Pipe	TN	900	1.35	312.40	422	0.00	0	120.00	162
HRSG Blowdown Tanks	TN	4	9.48	234.30	2,221	0.00	0	120.00	1,138
Main Steam DrainTanks	TN	4	5.75	234.30	1,347	0.00	0	120.00	690
HRSG Blowdown Tanks - Insulation	CY	600	6.67	71.00	473	25.00	167	0.00	0
Steam Drain Tanks - Insulation	CY	1,200	13.33	71.00	947	25.00	333	0.00	0
Mechanical Finishes - Insulation	CY	2	100.00	71.00	7,100	25.00	2,500	0.00	0
					12,510		3,000		1,990
Steam Turbine									
Steam Turbines - Insulation	CY	1,080	12.00	71.00	852	25.00	300	0.00	0

MANATEE DISMANTLEMENT STUDY

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Main Steam System 2" & < - Pipe	TN	5,100	15.30	312.40	4,780	0.00	0	120.00	1,836
Steam Turbine Base Plates	TN	2	50.00	177.50	8,875	0.00	0	120.00	6,000
Steam Turbine & Accessories	TN	2	350.00	234.30	82,005	0.00	0	120.00	42,000
Hydraulic Power Unit	TN	2	3.00	234.30	703	0.00	0	120.00	360
Instrument Tubing	TN	25,000	6.25	312.40	1,953	0.00	0	120.00	750
					99,167		300		50,946
Condensate System									
Condensate System 2" & < - Pipe	TN	2,500	3.75	312.40	1,172	0.00	0	120.00	450
Condensate System 2 1/2" & > - Pipe	TN	3,000	165.00	234.30	38,660	0.00	0	120.00	19,800
L/B Condensate Piping - Insulation	CY	4,000	66.67	71.00	4,733	25.00	1,667	0.00	0
Condenser Vacuum Pump Skid & Equip	TN	2	2.50	234.30	586	0.00	0	120.00	300
Condensate Storage Tank Fdn	CY	140	140.00	91.20	12,768	144.00	20,160	0.00	0
Condensate Make-Up Pumps	TN	2	1.50	234.30	351	0.00	0	120.00	180
HRSG Chemical Fd. System 2" & < - Pipe	TN	1,300	1.95	312.40	609	0.00	0	120.00	234
HRSG Chemical Feed Skids	TN	2	15.00	234.30	3,515	0.00	0	120.00	1,800
Lube Oil Storage Tanks	TN	2	6.52	234.30	1,528	0.00	0	120.00	782
Miscellaneous Process Tanks	TN	4	10.60	234.30	2,484	0.00	0	120.00	1,272
CondensateTransfer System 2" & < - Pipe	TN	2,500	3.75	312.40	1,172	0.00	0	120.00	450
CondensateTransfer System 2 1/2" & > - Pipe	TN	6,500	97.50	234.30	22,844	0.00	0	120.00	11,700
Condensate Pumps	TN	4	62.80	234.30	14,714	0.00	0	120.00	7,536
Condensate Transfer Pumps	TN	4	4.78	234.30	1,120	0.00	0	120.00	574
Condensate Storage Tanks	TN	2	2.39	234.30	560	0.00	0	120.00	287
Bulk Gas System 2" & < - Pipe	TN	7,000	10.50	312.40	3,280	0.00	0	120.00	1,260
Condensers	TN	2	332.50	234.30	77,905	0.00	0	2,000.00	665,000
Gland Steam Condensers	TN	2	5.00	234.30	1,172	0.00	0	120.00	600
Condensate Air Rem System 2" & < - Pipe	TN	1,500	2.25	312.40	703	0.00	0	120.00	270
Condensate Air Rem System 2 1/2" & > - Pipe	TN	400	6.00	234.30	1,406	0.00	0	120.00	720
					191,279		21,827		713,215
Circulating Water System									
Circulating Water System 2" & < - Pipe	TN	749	1.12	312.40	351	0.00	0	120.00	135
Circulating Water System 2 1/2" & > - Pipe	TN	159	2.39	234.30	559	0.00	0	120.00	286
L/B Circulating Water Piping - Insulation	CY	8	0.31	71.00	22	25.00	8	0.00	0
Circulating Water Pumps	TN	2	47.98	312.40	14,987	0.00	0	120.00	5,757
C W Chem Tr System 2" & < - Pipe	TN	500	0.75	312.40	234	0.00	0	120.00	90
24" Diameter ICW Pipe	CY	100	44.44	349.60	15,538	0.00	0	0.00	0
84" Diameter ICW Pipe	CY	400	622.22	349.60	217,529	0.00	0	0.00	0
Concrete - Cofferdam Area	CY	350	350.00	91.20	31,920	144.00	50,400	0.00	0
66" Diameter Inground CW Pipe	CY	20	24.44	349.60	8,546	0.00	0	0.00	0
					289,686		50,408		6,268
Screen Wash System									
Intake Bar Rack & Cleaning Rake	TN	2	5.00	312.40	1,562	0.00	0	120.00	600
Intake Traveling Screens	TN	2	32.00	312.40	9,997	0.00	0	120.00	3,840
Screen Wash Bubbler System Equipment	TN	2	1.00	312.40	312	0.00	0	120.00	120
Screen Wash System 2" & < - Pipe	TN	60	0.09	312.40	28	0.00	0	120.00	11
Screen Wash System 2 1/2" & > - Pipe	TN	320	1.60	234.30	375	0.00	0	120.00	192
Screen Wash Pumps	TN	2	1.54	234.30	361	0.00	0	120.00	185
					12,635		0		4,948
HRSG Stack									

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
HRSG Stack Foundation Concrete	CY	775	775.00	91.20	70,680	144.00	111,600	0.00	0
Stacks - Unit 3	TN	4	527.00	234.30	123,476	0.00	0	120.00	63,240
Gland Steam Condenser - Insulation	CY	150	1.67	71.00	118	25.00	42	0.00	0
					194,274		111,642		63,240
Lube Oil System									
Lube Oil System - 2" & < Pipe	TN	2,000	3.00	312.40	937	0.00	0	120.00	360
Lube Oil System - 2 1/2" & > Pipe	TN	350	5.25	234.30	1,230	0.00	0	120.00	630
Lube Oil Transfer/Return Pumps	TN	2	1.50	234.30	351	0.00	0	120.00	180
S.T. Lube Oil Reservoir	TN	2	10.00	234.30	2,343	0.00	0	120.00	1,200
Turbo Lube Oil Conditioner	TN	2	2.00	234.30	469	0.00	0	120.00	240
					5,330		0		2,610
Cranes and Hoists									
Miscellaneous Monorails & Hoists	TN	15	37.50	312.40	11,715	0.00	0	120.00	4,500
Combustion Turbine									
C.T. Atomizing Air Skids	TN	2	45.00	312.40	14,058	0.00	0	120.00	5,400
C.T. Exhaust Frame Cooling Fan Skids	TN	2	12.00	312.40	3,749	0.00	0	120.00	1,440
C.T. Starting Motor Skids	TN	2	55.00	312.40	17,182	0.00	0	120.00	6,600
C.T. Water Wash Skids	TN	2	26.00	312.40	8,122	0.00	0	120.00	3,120
C.T. Lube Oil Skids	TN	2	107.00	312.40	33,427	0.00	0	120.00	12,840
C.T. Fuel Gas Skids	TN	2	88.00	312.40	27,491	0.00	0	120.00	10,560
C.T. Halon Skids	TN	2	5.00	312.40	1,562	0.00	0	120.00	600
					105,591		0		40,560
Closed Cooling Water System									
Closed Cooling Water Heat Exchanger	TN	2	29.34	312.40	9,165	0.00	0	120.00	3,521
CCW System 2 " & < - Pipe	TN	3,678	5.52	312.40	1,724	0.00	0	120.00	662
CCW System 2 1/2" & > - Pipe	TN	4,868	73.02	234.30	17,109	0.00	0	120.00	8,762
Closed Cooling Water Pumps	TN	3	4.88	234.30	1,142	0.00	0	120.00	585
					29,140		0		13,530
Account 343 Totals					3,678,056		647,896		2,426,928
Account 344: Generators									
Steam Turbine Foundation Mat Concrete	CY	600	600.00	91.20	54,720	144.00	86,400	0.00	0
Steam Turbine Pedestal Concrete	CY	450	450.00	91.20	41,040	144.00	64,800	0.00	0
C.T. 3 Generator	TN	4	628.00	177.50	111,470	0.00	0	120.00	75,360
C.T. Generator Exit Skids	TN	5	25.00	177.50	4,438	0.00	0	120.00	3,000
Generator Copper	TN	5	90.00	695.80	62,622	0.00	0	5,000.00	450,000
Generator	TN	1	1,000.00	177.50	177,500	0.00	0	120.00	120,000
					451,790		151,200		648,360
Account 344 Totals					451,790		151,200		648,360

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Account 345: Accessory Electric Equipment									
Excitation Equipment									
Generator Excitation Power Transformers	TN	5	62.50	234.30	19,525	0.00	0	120.00	7,500
Transformer Copper	TN		25.00	525.40	13,135	0.00	0	5,000.00	125,000
Instrumentation	TN	1,500	15.00	312.40	1,368	0.00	0	120.00	1,800
					34,028		0		134,300
Electrical Equipment									
Electrical Equipment Pads Concrete	CY	125	125.00	91.20	11,400	144.00	18,000	0.00	0
Uninterruptible Power Supply	TN	1	0.50	312.40	156	0.00	0	120.00	60
Station Battery Charger & Panels	TN	2	6.00	312.40	1,874	0.00	0	120.00	720
Grounding & Cathodic Protection	TN	5	137.50	312.40	42,955	0.00	0	120.00	16,500
Grounding Grid (Incl. Pads Rods)	TN	22,135	5.53	312.40	1,729	0.00	0	120.00	664
Lightning Protection	TN	1	2.50	312.40	781	0.00	0	120.00	300
Embedded Conduits Foundations	CY	25,000	148.15	91.20	13,511	144.00	21,333	0.00	0
Power & Control Conduits	TN	131,592	164.49	312.40	51,387	0.00	0	120.00	19,739
Cable Tray	TN	18,260	228.24	312.40	71,303	0.00	0	120.00	27,389
Concrete Duct Banks	CY	3,000	3,000.00	91.20	273,600	144.00	432,000	0.00	0
Electrical Manholes	CY	23	63.89	36.48	2,331	144.00	9,200	0.00	0
Isophase Bus	TN	2,250	45.00	312.40	14,058	0.00	0	120.00	5,400
Main Control Boards	TN	2	26.67	312.40	8,331	0.00	0	120.00	3,200
Miscellaneous Relay Panels	TN	18	5.33	312.40	1,666	0.00	0	120.00	640
Instrument Racks	TN	162	16.20	312.40	5,061	0.00	0	120.00	1,944
Annunciators	TN	1	5.00	312.40	1,562	0.00	0	120.00	600
Miscellaneous Power Transformers	TN	1	27.50	312.40	8,591	0.00	0	120.00	3,300
208/120V AC Distribution Panels	TN	3	0.89	312.40	278	0.00	0	120.00	107
480 V Load Centers	TN	3	7.50	312.40	2,343	0.00	0	120.00	900
480 V Motor Control Centers	TN	17	42.50	312.40	13,277	0.00	0	120.00	5,100
480V AC Distribution Panels	TN	3	3.30	312.40	1,031	0.00	0	120.00	396
Power Cable - 8KV	TN	86,514	90.97	852.00	77,506	0.00	0	120.00	10,916
Power Cable - Medium Voltage	TN	304,187	45.63	852.00	38,875	0.00	0	120.00	5,475
Electrical Switchgear Foundation Concrete	CY	400	400.00	91.20	36,480	144.00	57,600	0.00	0
Non-Seg Bus	TN	889	17.78	312.40	5,554	0.00	0	120.00	2,134
4.16 KV Switchgear	TN	3	7.50	312.40	2,343	0.00	0	120.00	900
Control Cable	TN	689268	24.12	852.00	20,554	0.00	0	120.00	2,895
Instrumentation Cable	TN	393,974	9.85	852.00	8,392	0.00	0	120.00	1,182
Distributed Control System	TN	2	5.00	312.40	1,562	0.00	0	120.00	600
					718,491		538,133		111,061
Account 345 Totals					752,519		538,133		245,361
Account 346: Miscellaneous Plant Equipment									
Compressed Air Piping	TN	10,028	15.04	312.40	4,699	0.00	0	120.00	1,805
Instrument Air System 2" & < Pipe	TN	136	0.20	312.40	64	0.00	0	120.00	24
Service Air System 2" & < Pipe	TN	2,660	3.99	312.40	1,246	0.00	0	120.00	479
Instrument Air System 2 1/2" & > Pipe	TN	438	2.19	234.30	513	0.00	0	120.00	263
Service Air System 2 1/2" & > Pipe	TN	548	2.74	234.30	641	0.00	0	120.00	329
Instrument Air Compressors, Rec, & Dryers	TN	2	13.59	312.40	4,246	0.00	0	120.00	1,631
Plant Communications & Phones	TN	2	3.00	312.40	937	0.00	0	120.00	360

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Heat Tracing	TN	2	1.88	312.40	586	0.00	0	120.00	225
Fire Protection/Detection Equipment	TN	2	3.75	312.40	1,172	0.00	0	120.00	450
Miscellaneous Electrical Items	TN	2	20.00	312.40	6,248	0.00	0	120.00	2,400
Account 346 Totals					20,352		0		7,966
Unit 3 Totals					6,536,202		2,291,304		3,721,135
Grand Totals Martin Fossil, Fuel Oil Facility and Combined Cycle					36,946,472		23,613,508		15,932,266

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Martin Plant

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Martin Plant

The Martin Plant is located on an 11,267.4-acre site in Martin County east of Lake Okeechobee and approximately 30 miles northwest of the city of West Palm Beach. The site consists of four generating units, a cooling water reservoir, switchyard, and all related facilities for a commercial generating station.

The plant uses the Martin Reservoir, a 6,800-acre (outside area) cooling water reservoir, for both intake and discharge. The cooling pond operates as a closed cycle system; however, water withdrawals can be accomplished, if necessary, through a pump station from the St. Lucie Canal. The reservoir was designed for an ultimate site generating capacity of 4,000 megawatts. The two units have a combined maximum generator nameplate rating of 1,727 megawatts. Units No. 1 and 2 went into commercial operation during 1980 and 1981 respectively. This dismantlement study uses the following economic recovery dates for these units:

Unit	Year
Common Fossil	2020
Unit 1	2020
Unit 2	2020

The dismantlement of the plants is assumed to require 2 years beginning in 2025.

Each outdoor-type unit consists of a Westinghouse Electric Corporation tandem-compound, double flow reheat turbine and a Foster Wheeler Corporation outdoor reheat steam generator, utilizing a regenerative reheat cycle with all necessary auxiliaries and subsystems. Although the original design, by Mid-Valley, Inc., for both units was for oil-fired generation (#6 heavy oil), the units were converted in 1986 to also allow the burning of natural gas and oil/gas mixtures. Fuel, oil or gas, is provided through pipeline from the West Palm Beach Oil Terminal. Control of emissions is through mechanical collectors, flue gas recirculation, and controlled sulfur content of the fuel.

Martin Combined Cycle Units No. 3 & 4 began commercial operation in 1994 – Unit 3 in February and Unit 4 in April. These units also use the Martin Reservoir for both intake and discharge. The new units required addition of a new switchyard and an expansion of an existing switchyard at the site.

These combined cycle units consist of two advanced combustion turbines (CT's) fired on natural gas, with distillate oil as a backup fuel, plus two heat recovery steam generators (HRSG's) and a related steam turbine.

Martin Plant

Martin unit 8 is an 1150 MW nominally rated combined cycle electric generating facility. The plant design is based on utilizing four combustion turbines fueled with natural gas and distillate oil (backup only), each exhausting into a multi-pressure waste heat recovery steam generator, and a steam turbine generator. Martin Units 8A and 8B began commercial operation as a simple cycle units on June 14, 2001. These were then integrated with two new GE 7FAs (Units 8C & 8D), four new duct fired heat recovery steam generators (HRSG's), and one steam turbine (STG). A mechanical draft cooling tower and all necessary balance of plant items were also installed. This combined cycle unit went commercial in June, 2005. This is the first dismantlement study to include Units 8C and 8D.

The economic recovery dates for Units 3, 4 and 8 are as follows:

Unit	Year
Common	2030
Unit 3	2020
Unit 4	2020
Unit 8	2030

Bechtel Power Corporation designed the combined cycle units for General Electric. The combustion turbines and the steam turbine generators were purchased from General Electric, while the HRSG's and the stacks were fabricated and installed by the Henry Vogt Machine Company.

The West Palm Beach Oil Facility consists of the Port of Palm Beach Unloading Facility, the Riviera Plant Pumping Station, the pipeline from the Port of Palm Beach to the West Palm Beach Fuel Oil Terminal, the West Palm Fuel Oil Storage Facility, and the pipeline from West Palm Beach Storage Facility to the Martin Power Plant Fuel Storage Facility.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Martin plant in Docket No. 070378-EI, Order No. PSC-08-0095-PAA-EI, issued on February 14, 2008. The current accruals became effective as of January 1, 2007.

Martin Solar Energy Center

Martin Solar Center is scheduled to go in-service in 2010 near Indiantown. The 75-MW facility will be the United States second largest solar power plant and the largest solar thermal facility outside of California. Martin Next Generation Solar Energy Center will provide enough power to serve about 11,000 homes and will, over its 30 year life, prevent the emissions of more than 2.74 million tons of greenhouse gases.

The project will consist of approximately 180,000 mirrors over about 500 acres at the FPL Martin Plant site. The solar technology used at Martin site uses solar collectors with mirrored surfaces that reflect the sunlight onto a receiver that heats up a liquid.

This heated liquid is used to make steam that produces electricity. Because solar power can be generated only when the sun is up, the Martin solar site will not produce energy on a continuous basis.

This filing is the first time that Florida Power & Light has requested dismantlement accruals for Martin Solar Energy Center.

Due to the early stage of construction of the Martin solar station, the equipment list and related information used for the development of its dismantlement calculation is not, at this point, definitive and will need to be updated and improved upon in future dismantlement studies.

The economic recovery date of this solar energy station is 2039. The dismantlement of the facility is assumed to require two years beginning in 2044.

MARTIN
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Martin Common				
	Production Plant				
311	Structures and Improvements	2,484,603	2,065,022	362,310	4,197,315
312	Boiler Plant Equipment	77,520	0	35,423	42,097
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	309,510	11,039	74,648	245,901
316	Miscellaneous Equipment	1,132	0	490	642
	Subtotal	2,882,764	2,076,061	472,871	4,485,955
	Other Site Costs:				
	Site Management Expenses	1,129,968			1,129,968
	Asbestos Abatement Costs	235,000			235,000
	Special Waste & Washwater	822,340			822,340
	Intake & Discharge Backfill	158,486			158,486
	Grading & Seeding	6,694,869			6,694,869
	Subtotal	9,040,663	0	0	9,040,663
	Total Production Plant & Other Site Costs	11,923,427	2,076,061	472,871	13,526,618
	Contingency - 16%	1,907,748	332,170		2,239,918
	Subtotal including Contingency	13,831,175	2,408,231	472,871	15,766,536
	Unusable M&S Inventory	3,093,611	0	309,361	2,784,250
	Total Common to All Units including Unusabl	16,924,786	2,408,231	782,232	18,550,786
	Martin Fuel Oil Storage Facility				
311	Structures and Improvements	6,559,053	5,595,203	2,587,476	9,566,780
312	Boiler Plant Equipment	0	0	0	0
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	138,125	2,822	199,397	(58,449)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	6,697,178	5,598,025	2,786,873	9,508,331
	Contingency - 16%	1,071,549	895,684		1,967,233
		7,768,727	6,493,710	2,786,873	11,475,564
	Unusable M&S Inventory	4,262,081	0	426,208	3,835,873
	Total Common to Fossil Including Unusable I	12,030,808	6,493,710	3,213,081	15,311,437
	Martin Units 1 & 2				
311	Structures and Improvements	6,175,659	2,104,714	284,349	7,996,024
312	Boiler Plant Equipment	10,252,803	2,761,488	4,353,934	8,660,357
314	Turbogenerator Units	1,501,703	538,664	2,901,902	(861,535)
315	Accessory Electrical Equipment	1,878,589	654,206	2,097,891	434,904
316	Miscellaneous Equipment	122,174	0	33,009	89,165
	Subtotal	19,930,928	6,059,072	9,671,084	16,318,915
	Contingency - 16%	3,188,948	969,451		4,158,400
	Total Martin Units 1 & 2	23,119,876	7,028,523	9,671,084	20,477,315
	Martin Unit 3				
341	Structures and Improvements	1,786,319	1,048,593	411,975	2,422,937
342	Fuel Holders, Producers and Accessories	73,600	98	31,724	41,971
343	Prime Movers	2,027,910	484,056	2,024,223	487,744
344	Generators	208,262	112,622	152,280	168,604
345	Accessory Electric Equipment	602,760	258,416	466,173	395,002
346	Miscellaneous Power Plant Equipment	18,473	0	7,341	11,131
	Subtotal	4,717,323	1,903,783	3,093,716	3,527,390
	Contingency - 16%	754,772	304,605		1,059,377
	Total Martin Unit 3	5,472,095	2,208,389	3,093,716	4,586,767
	Martin Unit 4				
341	Structures and Improvements	1,104,162	567,557	715,957	955,762
342	Fuel Holders, Producers and Accessories	31,460	0	14,868	16,592
343	Prime Movers	2,095,983	482,500	2,268,789	309,694
344	Generators	203,342	112,382	152,280	163,444
345	Accessory Electric Equipment	469,820	253,068	145,521	577,367
346	Miscellaneous Power Plant Equipment	14,163	0	6,233	7,930
	Subtotal	3,918,930	1,415,507	3,303,648	2,030,790
	Contingency - 16%	627,029	226,481		853,510
	Total Martin Unit 4	4,545,959	1,641,988	3,303,648	2,884,299

MARTIN
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Martin Unit 8				
341	Structures & Improvements	1,422,081	566,805	373,815	1,615,070
342	Fuel Holders, Producers and Accessories	66,180	1,089,620	26,400	1,131,400
343	Prime Movers	3,096,036	325,627	2,418,752	1,002,911
344	Generators	994,179	74,085	809,160	259,105
345	Accessory Electrical Equipment	780,348	375,155	632,382	523,121
346	Miscellaneous Power Plant Equipment	18,400	0	7,966	10,435
	Subtotal	6,379,225	2,431,293	4,268,476	4,542,042
	Contingency - 16%	1,020,676	389,007		1,409,683
	Total Martin Unit 8	7,399,900	2,820,299	4,268,476	5,951,724
	Martin Solar				
341	Structures & Improvements	119,547	119,977	720	238,803
343	Prime Movers	6,570,054	693,210	2,551,230	4,712,034
345	Accessory Electrical Equipment	53,554	0	39,024	14,530
		6,743,155	813,187	2,590,974	4,965,368
	Site Management Expenses	564,984			564,984
		7,308,139	813,187	2,590,974	5,530,352
		0.16	0.16		
	Contingency - 16%	1,169,302	130,110		1,299,412
	total Martin Solar	8,477,441	943,298	2,590,974	6,829,764
	Total Dismantlement Costs	77,970,867	23,544,436	26,923,210	74,592,093

MARTIN
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Martin Common	4,661,236	7,369,572	6,493,710	3,213,081	15,311,437
Martin Units 1 & 2	13,871,926	9,247,950	7,028,523	9,671,084	20,477,315
Martin Common Combined Cycle	8,298,706	8,626,081	2,408,231	782,232	18,550,786
Martin Unit 3	3,283,257	2,188,838	2,208,389	3,093,716	4,586,767
Martin Unit 4	2,727,575	1,818,384	1,641,988	3,303,648	2,884,299
Martin Unit 8	4,439,940	2,959,960	2,820,299	4,268,476	5,951,724
Martin Solar Terminal	5,086,465	3,390,976	943,296	2,590,974	6,829,764
Total	42,369,105	35,601,762	23,544,436	26,923,210	74,592,093

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

MARTIN DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The fuel oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits (underground concrete piping to be collapsed);

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

MARTIN DISMANTLEMENT ASSUMPTIONS

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However the dismantlement cost of substation equipment is not included in this study, so as to avoid the possibility of duplicating recovery of costs already reflected in the net salvage factors of the substation accounts' depreciation rates.

An expandable grout will be used to dismantle the turbine pedestals. The chimneys will be control-blasted.

It is assumed that dismantlement activity at Martin will begin five years after end of service. The economic recovery dates used for this assumption are as follows:

Units	Economic Recovery Dates
Unit 1	2020
Unit 2	2020
Common Fossil	2020
Unit 3	2020
Unit 4	2020
Unit 8	2030
Common Combined Cycle	2030

Martin plant has very little asbestos. FPL's Environmental Department recently completed a survey of asbestos at our production plants. It was determined that a minimal amount of asbestos insulation is in use at Martin. It is estimated that the cost of abating this small quantity of asbestos is $235,000.

It is assumed that the cooling reservoir at the Martin site will not be back-filled. The State of Florida has expressed an interest in using the reservoir for water management purposes. Also, some communities have indicated interest in its potential use as a source of water.

The ten inch collapsible unloading arms and ten inch stationary unloading arms at Slip #2 at Riviera Power Plant serve to off-load fuel from vessels for both Riviera and Martin Plants. The four unloading arms have been included in the Martin dismantlement study because Martin should be in service long after Riviera.

The 35.8 mile steel pipeline from the Fuel Oil Storage Facility to the power plant will be unearthed, cut up and taken as scrap. The three and one-quarter mile pipeline from the Riviera Unloading Facility to the Fuel Oil Storage Facility, though steel, is encased in five inches of concrete and assumed unsalvageable. It will be unearthed, cut up and disposed of.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove hazardous materials; i.e., leads (alkaline), acids, solvents, lubricants, oils, chemicals, and gasses.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines and backfill trenches.
- Remove main steam, hot and cold piping, downcomers, valves, and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove intake and discharge structures, equipment pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS
(Continued)

- Remove gas supply metering site, valve stations, underground distribution system.
- Remove solid and liquid wastes from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove fuel oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

DISMANTLING ACTIVITIES: SOLAR UNITS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, equipment foundations, substructures, support buildings. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.
- Remove top soil/gravel, backfill, and remove foundation.
- Backfill, site grading, seeding and mulching.

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the Martin Plant. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$33.05	X	6	=	$198.33
Foreman	$41.96	X	1	=	$41.96
Heavy Equipment Operator	$39.99	X	1	=	$39.99
Total Cost per hour of 8 man crew					$280.28
Cost per man hour		$280.28	/ 8	=	$35.04

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator	31,395.00
Front End Loader	6,234.15
Cutting Equipment	231.75
Total per month	37,860.90

37,860.90 / 176 hours per month = 215.12

Cost per man hour	$215.12	/ 8 =	$26.89
Plus: amount for small tools			1.00
Total Cost per man hour			$27.89

Equipment & Labor Summary

Labor	$35.04
Equipment	27.89
Total	$62.93
Rounded	$63.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$68.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$63.00	2.50 MH / Ton	$157.50 / Ton
Heavy Steel (2)	$63.00	3.30 MH / Ton	$207.90 / Ton
General Steel	$63.00	4.40 MH / Ton	$277.20 / Ton
Light Steel	$63.00	7.10 MH / Ton	$447.30 / Ton
Concrete	$68.00	0.48 MH / CY	$32.64 / CY
Reinforced Concrete	$68.00	1.20 MH / CY	$81.60 / CY
Copper-Elect. Cable & Generator Leads	$63.00	12.00 MH / Ton	$756.00 / Ton
Copper - Generator	$63.00	9.80 MH / Ton	$617.40 / Ton
Copper - Transformer	$63.00	7.40 MH / Ton	$466.20 / Ton
General Insulation	$63.00	1.00 MH / CY	$63.00 / CY
Inground Pipe-Metal(3)	$63.00	6.00 MH / Ton	$378.00 / Ton
Concrete Pipe	$68.00	4.60 MH / Ton	$312.80 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Martin County Solid Waste Facility. Concrete and calcium silicated insulation are non-hazardous waste The tipping fee of $30/ton and per haul charges were obtained from Waste Management. The per haul charges are $395.00 per haul for a 20 cubic yard dumpster (5 tons deductible) and $475.00 pe haul for a 30 cubic yard dumpster (7 tons deductible).

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located appropriately in the detailed spreadsheet.

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Dumpster Cost	$395.00	/ haul	X	1 haul	=	395.00
Tipping Fees	$30.00	/ ton	X	25.5 tons	=	765.00
Total Cost per round Trip						1,160.00

Cost per Cubic Yard	$1,160.00	/ 15.38 cubic yards =	$75.42
Plus 10% contractor profit			7.54
Total Cost per Cubic Yard			$82.96
Rounded Cost per Cubic Yard			$83.00

Insulation - Calcium Silicate (Non-Hazardous)

A trailer with a 30 cubic yard capacity is used for calcium silicate insulation. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons.

Truck Cost	$475.00	/ haul	X	1 haul	=	475.00
Tipping Fees	$30.00	/ ton	X	0 tons	=	0.00
Total Cost per round Trip						475.00
Cost per Cubic Yard	$475.00	/ 27 cubic yards =				$17.59
Plus 10% contractor profit						1.76
Total Cost per Cubic Yard						$19.35
Rounded Cost per Cubic Yard						$19.00

MARTIN DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month for site indirect costs.. These expenses are to be incurred over the 24 month dismantlement period for the Martin Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management,. supervison, security, etc..

Site Management Expenses per month	$47,082
Number of months	24.00
Total Site Management Expenses	$1,129,968

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. Construction Estimating has updated the costs. The charge for the Intake is $44,128; the cost for the discharge is $35,115.

	Cost/Structu	Quantity	
Intake	$44,128	2	$88,256
Discharge	$35,115	2	$70,230
			$158,486

* Martin has a larger than average Intake, so for costing purposes it is multiplied by 2.

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is $63,579 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Martin Acreage to be graded and seeded	105.30
Cost Factor	$63,579
Total Grading and Seeding Expense	$6,694,869

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At Martin, the following cost estimates have been identified:

Description	Amount
Asbestos	$235,000
Lead in paint	600
Basins Clean Out/Material	54,700
Special Waste	721,278
Tanks/Washwater	45,763
Total	$1,057,341

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
MARTIN COMMON										
FERC Account 311										
Improvements to Site										
Structures										
Walks, Yard Paving, Parking(asphalt	CY	1	1,432.80	1,432.80	32.64	46,767	83.00	118,922	0.00	0
Yard Lighting - Copper Wiring (72,	TN	1	2.81	2.81	756.00	2,124	0.00	0	2100.00	5,901
Yard Lighting - PVC Conduit (20,	TN	1	5.57	5.57	378.00	2,107	83.00	463	0.00	0
Railroad Rails - Steel (17,060	TN	1	565.00	565.00	207.90	117,464	0.00	0	120.00	67,800
Railroad Cross-ties	TN	1	853.00	853.00	32.64	27,842	83.00	70,799	0.00	0
Light Poles (35') - Concrete (126 t	CY	1	15.95	15.95	32.64	521	83.00	1,324	0.00	0
Subtotal						196,824		191,508		73,701
Domestic Water Supply										
Piping, Vlvs Under 4" - Steel	TN	1	41.88	41.88	277.20	11,610	0.00	0	120.00	5,026
Subtotal						11,610		0		5,026
Storm & Sanitary Sewer System										
Oil Separator Tank - 4,000 gal (fiberg	TN	2	4.20	8.39	447.30	3,753	0.00	0	0.00	0
Oil Separator Pump/ Motor	TN	2	1.00	2.00	447.30	895	0.00	0	120.00	240
Water Collecting Pond - Reinforced C	CY	1	594.00	594.00	81.60	48,470	83.00	49,302	0.00	0
Sewage Treatment - Steel Tanks & F	TN	1	30.97	30.97	277.20	8,585	0.00	0	120.00	3,716
Sewage Treatment Foundation - Rein	CY	1	23.00	23.00	81.60	1,877	0.00	0	0.00	0
Septic Tank - 750 gal (concrete)	TN	1	1.32	1.32	312.80	413	0.00	0	0.00	0
Catch Basins & Manholes - Reinforce	CY	1	692.00	692.00	81.60	56,467	83.00	57,436	0.00	0
Subtotal						120,460		106,738		3,956
Yard Fire Protection System										
Motor-driven Fire Pump/ Motor	TN	1	3.55	3.55	277.20	984	0.00	0	120.00	426
Fire Pump/ Motor Foundation - Reinf	CY	1	19.00	19.00	81.60	1,550	83.00	1,577	0.00	0
Engine-driven Fire Pump/ Motor	TN	1	1.21	1.21	277.20	335	0.00	0	120.00	145
Subtotal						2,870		1,577		571
Circulating and Service Water System										
Intake Structure										
Structures/ Foundations - Reinforced	CY	1	4,799.00	4,799.00	81.60	391,598	83.00	398,317	0.00	0
Structural Steel	TN	1	19.00	19.00	207.90	3,950	0.00	0	120.00	2,280
Handrailing, Grating, Checkerplate -	TN	1	1.75	1.75	277.20	485	0.00	0	120.00	210
Cofferdam - Steel	TN	1	156.67	156.67	277.20	43,429	0.00	0	120.00	18,800
40-Ton Gantry Crane	TN	1	91.00	91.00	207.90	18,919	0.00	0	120.00	10,920
40-Ton Gantry Crane Track Rail - Ste	TN	1	4.65	4.65	277.20	1,289	0.00	0	120.00	558
Stop Logs - Reinforced Concrete	CY	1	47.11	47.11	81.60	3,844	83.00	3,910	0.00	0
Conduit - Aluminum	TN	1	1.49	1.49	447.30	668	0.00	0	1020.00	1,523
Subtotal						464,182		402,227		34,291
Service Water System										
Water Treatment Area Foundations -	CY	1	1,414.00	1,414.00	81.60	115,382	83.00	117,362	0.00	0
Structural Steel	TN	1	31.00	31.00	207.90	6,445	0.00	0	120.00	3,720

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Well Water Pump w/ motor	TN	3	2.27	6.81	277.20	1,888	0.00	0	120.00	817
Demineralizer w/ 7.5 hp motor	TN	2	1.18	2.36	277.20	654	0.00	0	120.00	283
Demineralizer w/ 15 hp motor	TN	2	1.68	3.36	277.20	931	0.00	0	120.00	403
Conveyer System w/ 2 hp motor	TN	1	2.50	2.50	277.20	693	0.00	0	120.00	300
Coagulator Tank w/ motor	TN	1	19.90	19.90	207.90	4,137	0.00	0	120.00	2,388
Lime Tank & Mixer - Steel	TN	1	1.22	1.22	277.20	338	0.00	0	120.00	146
Alum Tank & Mixer - Steel	TN	1	1.62	1.62	277.20	449	0.00	0	120.00	194
Clearwell Tank - Steel	TN	1	25.00	25.00	207.90	5,198	0.00	0	120.00	3,000
Acid Feed Tank - Steel	TN	1	7.50	7.50	277.20	2,079	0.00	0	120.00	900
Sand Filter Tank - Steel	TN	4	12.60	50.40	207.90	10,478	0.00	0	120.00	6,048
Carbon Filter Tank - Steel	TN	1	1.79	1.79	277.20	495	0.00	0	120.00	214
Conduit - Aluminum	TN	1	1.75	1.75	447.30	781	0.00	0	1020.00	1,781
Subtotal						149,948		117,362		20,196
Raw Water Make-up System										
Raw Water Storage Tank - 500,000 g	TN	1	55.00	55.00	207.90	11,435	0.00	0	120.00	6,600
Piping, Vlvs 4" to 8" - Steel	TN	1	3.67	3.67	447.30	1,640	0.00	0	120.00	440
Piping, Vlvs	TN	1	33.94	33.94	378.00	12,831	0.00	0	120.00	4,073
Subtotal						25,906		0		11,113
Open Cooling Water System										
36" Piping/ Misc. Vlvs - Iron	TN	1	4.82	4.82	378.00	1,821	0.00	0	120.00	578
Subtotal						1,821		0		578
Other Service Water System										
Service Water Pump w/ 125 hp moto	TN	2	1.32	2.64	277.20	732	0.00	0	120.00	317
Treated Water Storage Tank - 500,0(	TN	1	55.00	55.00	207.90	11,435	0.00	0	120.00	6,600
Potable Water Storage Tank - 14,00(	TN	1	5.50	5.50	277.20	1,525	0.00	0	120.00	660
Piping, Vlvs Under 4" - Steel	TN	1	62.26	62.26	447.30	27,848	0.00	0	120.00	7,471
Piping, Vlvs 4" to 8" - Steel	TN	1	58.14	58.14	277.20	16,117	0.00	0	120.00	6,977
Subtotal						57,656		0		22,025
Neutralization Basin										
Acid Retention Basin - Reinforced Cc	CY	1	584.00	584.00	81.60	47,654	83.00	48,472	0.00	0
Recovered Service Water Pump w/ n	TN	2	2.25	4.50	277.20	1,247	0.00	0	120.00	540
Recovered Service Water Basin - Re	CY	1	151.00	151.00	81.60	12,322	83.00	12,533	0.00	0
Waste Water Treatment Control Pan	TN	1	1.55	1.55	447.30	693	0.00	0	120.00	186
Piping, Vlvs - Fiberglass	CY	1	16.26	16.26	32.64	531	83.00	1,349	0.00	0
Subtotal						62,447		62,354		726
Discharge Structure										
Circ Water Discharge Sluice Gate - I	TN	2	5.50	11.00	277.20	3,049	0.00	0	120.00	1,320
Structure - Reinforced Concrete	CY	1	739.00	739.00	81.60	60,302	83.00	61,337	0.00	0
Subtotal						63,352		61,337		1,320
Station Structures										
Calibration Shop - Concrete Block	CY	1	31.02	31.02	32.64	1,012	83.00	2,575	0.00	0
Acid Lift Station Pump w/ 100 hp mot	TN	2	4.80	9.60	277.20	2,660	0.00	0	120.00	1,151

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measur	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Acid Lift Station Pump w/ 100 hp mot	TN	2	4.59	9.18	277.20	2,543	0.00	0	120.00	1,101
90-Ton Gantry Crane w/ 30-Ton Auxi	TN	1	178.90	178.90	207.90	37,193	0.00	0	120.00	21,468
90-Ton Gantry Crane Track Rail - Ste	TN	1	20.00	20.00	447.30	8,946	0.00	0	120.00	2,400
Control Bldg Foundation - Reinforced	CY	1	398.00	398.00	81.60	32,477	83.00	33,034	0.00	0
Control Bldg - Aluminum Siding 2(	TN	1	15.27	15.27	447.30	6,830	0.00	0	1340.00	20,462
Control Bldg - Concrete Block 6,(	CY	1	105.77	105.77	32.64	3,452	83.00	8,779	0.00	0
Control Bldg - Aluminum Sheet Metal	TN	1	12.15	12.15	447.30	5,435	0.00	0	1340.00	16,281
Control Bldg - Built-up Roofing 2,8	CY	1	8.55	8.55	32.64	279	83.00	710	0.00	0
Control Bldg Phone Eqpmnt Room - :	TN	1	7.60	7.60	207.90	1,580	0.00	0	120.00	912
Personnel Elevator - 2,000 lb capacit	TN	1	6.36	6.36	277.20	1,764	0.00	0	120.00	764
Freight Elevator - 10,000 lb capacity	TN	1	9.00	9.00	277.20	2,495	0.00	0	120.00	1,080
Freight Elevator - Structural Steel	TN	1	19.65	19.65	207.90	4,085	0.00	0	120.00	2,358
Subtotal						110,752		45,097		67,977
Fuel and Ash Structures										
Ash Disposal Basin - Reinforced Con	CY	1	2,852.00	2,852.00	81.60	232,723	83.00	236,716	0.00	0
Ash Disposal Basin - pH Analyzer	TN	1	2.00	2.00	447.30	895	0.00	0	120.00	240
Ash Disposal Basin Guard Rails	TN	1	1.88	1.88	277.20	521	0.00	0	120.00	226
Fuel Oil Transfer Pump w/ 100 hp mc	TN	3	3.20	9.60	277.20	2,661	0.00	0	120.00	1,152
F/O Transfer Pump Basket Strainer -	TN	3	1.16	3.47	277.20	963	0.00	0	120.00	417
F/O Transfer Pump/Mtr Foundation -	CY	1	185.00	185.00	81.60	15,096	83.00	15,355	0.00	0
Fuel Oil Transfer Heater - Steel	TN	4	9.23	36.92	277.20	10,234	0.00	0	120.00	4,430
Day/ Light Oil Tank / Dike - Reinf Co	CY	1	635.00	635.00	81.60	51,816	83.00	52,705	0.00	0
Day/ Light Oil Tank Fire Wall - Reinf	CY	1	477.00	477.00	81.60	38,923	83.00	39,591	0.00	0
Piping, Vlvs Under 4"- Steel	TN	1	19.96	19.96	447.30	8,926	0.00	0	120.00	2,395
Piping, Vlvs 4" to 8" - Steel	TN	1	4.84	4.84	277.20	1,343	0.00	0	120.00	581
Piping, Vlvs Over 8" - Steel	TN	1	217.10	217.10	207.90	45,135	0.00	0	120.00	26,052
Piping Supports - Reinforced Concre	CY	1	966.00	966.00	81.60	78,826	83.00	80,178	0.00	0
Pipe Sleeves & Anchor Plates - Steel	TN	1	10.00	10.00	447.30	4,473	0.00	0	120.00	1,200
Piping 4" to 8" - Iron	TN	1	6.75	6.75	378.00	2,552	0.00	0	120.00	810
Piping Over 8" - Iron	TN	1	1.45	1.45	378.00	548	0.00	0	120.00	174
Insulation	CY	1	3.96	3.96	63.00	250	19.00	75	0.00	0
Subtotal						495,884		424,620		37,676
Service Building										
Superstructure - Reinforced Concrete	CY	1	440.00	440.00	81.60	35,904	83.00	36,520	0.00	0
Foundation - Reinforced Concrete	CY	1	840.00	840.00	81.60	68,544	83.00	69,720	0.00	0
Structural Steel	TN	1	30.00	30.00	207.90	6,237	0.00	0	120.00	3,600
Walls - Concrete Block 31,87	CY	1	494.39	494.39	32.64	16,137	83.00	41,034	0.00	0
Interior Partitions - Conc Block 8,8	CY	1	137.64	137.64	32.64	4,493	83.00	11,424	0.00	0
Pre-cast Floor Slabs - Concrete	CY	1	370.26	370.26	32.64	12,085	83.00	30,732	0.00	0
Pre-cast Roof Slabs - Concrete	CY	1	422.82	422.82	32.64	13,801	83.00	35,094	0.00	0
Built-up Roofing	TN	1	72.37	72.37	32.64	2,362	83.00	6,007	0.00	0
Air Conditioning Unit - 240,000 BTU	TN	1	2.25	2.25	277.20	624	0.00	0	120.00	270
Air Conditioning Unit - 167,000 BTU	TN	1	2.20	2.20	277.20	610	0.00	0	120.00	264
Air Conditioning Unit - 142,000 BTU	TN	1	1.00	1.00	447.30	447	0.00	0	120.00	120
5-Ton Machine Shop Bridge Crane	TN	1	2.37	2.37	277.20	657	0.00	0	120.00	284
Conduit - Aluminum	TN	1	1.78	1.78	447.30	797	0.00	0	1020.00	1,817
Piping, Vlvs Under 4" - Steel	TN	1	12.92	12.92	447.30	5,780	0.00	0	120.00	1,551

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Piping, Vlvs 4" to 8" - Steel	TN	1	2.50	2.50	277.20	692	0.00	0	120.00	299
Piping 4" to 8" - Iron	TN	1	9.80	9.80	378.00	3,703	0.00	0	120.00	1,176
Subtotal						172,872		230,531		9,381
Other Buildings										
Foundations - Reinforced Concrete	CY	1	353.00	353.00	81.60	28,805	83.00	29,299	0.00	0
Walls - Concrete Block 8,16	CY	1	126.59	126.59	32.64	4,132	83.00	10,507	0.00	0
Pre-cast Roofs - Concrete	CY	1	60.48	60.48	32.64	1,974	83.00	5,020	0.00	0
Built-up Roofing	CY	1	11.30	11.30	32.64	369	83.00	938	0.00	0
Roof Supports - Steel (Intake Chlornt	TN	1	1.86	1.86	277.20	515	0.00	0	120.00	223
Subtotal						35,794		45,763		223
Warehouses										
Foundations - Reinforced Concrete	CY	1	4,529.00	4,529.00	81.60	369,566	83.00	375,907	0.00	0
Structural Steel	TN	1	469.50	469.50	207.90	97,609	0.00	0	120.00	56,340
Siding/ Roofing - Steel	TN	1	121.07	121.07	447.30	54,155	0.00	0	120.00	14,528
Fencing - Aluminum	TN	1	2.00	2.00	447.30	895	0.00	0	1340.00	2,680
Subtotal						522,225		375,907		73,548
Total Account 311						2,494,603		2,065,022		362,310
FERC Account 312										
Boiler Plant Service Equipment										
Feed Water System										
Strong Acid Cation Exchanger - Stee	TN	2	35.25	70.50	207.90	14,657	0.00	0	120.00	8,460
Weak Base Anion Exchanger - Steel	TN	2	19.50	39.00	207.90	8,108	0.00	0	120.00	4,680
Strong Base Anion Exchanger - Stee	TN	3	10.90	32.70	207.90	6,798	0.00	0	120.00	3,924
Mixed Bed Ion Exchanger - Steel	TN	2	11.68	23.35	207.90	4,854	0.00	0	120.00	2,802
Air Compressor - 308 cfm w/ 40 hp m	TN	1	1.00	1.00	447.30	447	0.00	0	120.00	120
Acid Storage Tank - Steel	TN	1	48.50	48.50	207.90	10,083	0.00	0	120.00	5,820
Caustic Storage Tank -Steel	TN	1	7.50	7.50	277.20	2,079	0.00	0	120.00	900
Brine Measuring Tank - Steel	TN	1	3.66	3.66	277.20	1,015	0.00	0	120.00	439
Brine Recirculation Control Panel - S	TN	1	5.16	5.16	447.30	2,310	0.00	0	120.00	620
Subtotal						50,351		0		27,765
Boiler Wash System										
Caustic Wash Service Tank/ Agitator	TN	1	3.52	3.52	277.20	974	0.00	0	120.00	422
Caustic Wash Mixing Tank/ Agitator -	TN	1	2.65	2.65	277.20	735	0.00	0	120.00	318
Lime Slurry Mixing Tank/ Agitator - Sl	TN	1	1.93	1.93	277.20	534	0.00	0	120.00	231
Piping, Vlvs Under 4" - Steel	TN	1	55.72	55.72	447.30	24,925	0.00	0	120.00	6,687
Subtotal						27,168		0		7,658
Total Account 312						77,520		0		35,423
FERC Account 315										
Accessory Electrical Equipment										
Power Conversion Equipmemt										
Start-up Transformer (6.9kva)	TN	1	59.30	59.30	447.30	26,525	0.00	0	120.00	7,116
Start-up Switchgear (6.9kva)	TN	1	13.80	13.80	447.30	6,173	0.00	0	120.00	1,656

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
6,900V Non-segregated Phase Bus	TN	1	6.78	6.78	447.30	3,033	0.00	0	5000.00	33,900
Start-up Transformer Foundation - Re	CY	1	133.00	133.00	81.60	10,853	83.00	11,039	0.00	0
Station Svc Trnsfrmr - 2,500 kva (oil-	TN	1	7.80	7.80	447.30	3,489	0.00	0	120.00	936
480V Motor Control Center	TN	1	3.50	3.50	447.30	1,566	0.00	0	120.00	420
2400V Switchgear	TN	1	7.57	7.57	447.30	3,384	0.00	0	120.00	908
Neutral Grounding Transformer - Ste	TN	2	4.00	8.00	447.30	3,578	0.00	0	120.00	960
Emergency Diesel Generator & Acce	TN	1	11.83	11.83	277.20	3,278	0.00	0	120.00	1,419
480V Emergency Diesel Load Center	TN	1	3.70	3.70	447.30	1,655	0.00	0	120.00	444
Underground Conduit, Ducts - Reinf (	CY	1	690.00	690.00	312.80	215,832	0.00	0	0.00	0
Conduit (underground) - Steel	TN	1	47.70	47.70	378.00	18,031	0.00	0	120.00	5,724
Conduit (exposed) - Steel	TN	1	11.12	11.12	447.30	4,975	0.00	0	120.00	1,335
Copper Wiring - Insulated	TN	1	9.44	9.44	756.00	7,139	0.00	0	2100.00	19,830
Total Account 315						309,510		11,039		74,648
FERC Account 316										
Miscellaneous Power Plant Equipment										
Station Air Compressor (880 CFM) w	TN	1	4.08	4.08	277.20	1,132	0.00	0	120.00	490
Total Account 316						1,132		0		490
TOTAL MARTIN COMMON						2,882,764		2,076,061		472,871
MARTIN UNITS 1 & 2										
FERC Account 311										
Improvements to Site										
Yard Piping Bridge										
Structural Steel	TN	1	164.00	164.00	207.90	34,096	0.00	0	120.00	19,680
Subtotal						34,096		0		19,680
Storm & Sanitary Sewer System										
Piping, Vlvs 4" to 8" - Steel	TN	1	13.56	13.56	277.20	3,760	0.00	0	120.00	1,628
Piping, Vlvs 4" to 8" - Iron	TN	1	95.71	95.71	378.00	36,178	0.00	0	120.00	11,485
Piping, Vlvs Over 8" - Iron	TN	1	71.64	71.64	378.00	27,080	0.00	0	120.00	8,597
Fiberglass Piping, Vlvs	TN	1	12.18	12.18	378.00	4,604	0.00	0	120.00	1,462
Piping Over 8" - Reinforced Concrete	TN	1	300.08	300.08	312.80	93,865	0.00	0	0.00	0
Subtotal						165,487		0		23,171
Yard Fire Protection System										
Piping, Vlvs 4" & Under - Steel	TN	1	5.02	5.02	447.30	2,244	0.00	0	120.00	602
Piping, Vlvs 4" to 8" - Steel	TN	1	6.00	6.00	277.20	1,664	0.00	0	120.00	720
Piping 4" to 8" - Iron	TN	1	2.16	2.16	378.00	816	0.00	0	120.00	259
Piping Over 8" - Iron	TN	1	132.39	132.39	378.00	50,045	0.00	0	120.00	15,887
Subtotal						54,768		0		17,469
Circulating and Service Water System										
Open Cooling Water System										
Intake Cooling Water Pump w/ motor	TN	2	6.90	27.60	277.20	7,651	0.00	0	120.00	3,312
Pump Basket Strainer (30") - Steel	TN	2	3.99	15.95	277.20	4,421	0.00	0	120.00	1,914
36" Piping - Reinforced Concrete	TN	1	1,034.91	2,069.82	312.80	647,439	0.00	0	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	58.27	116.54	447.30	52,129	0.00	0	120.00	13,985

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Piping, Vlvs 4" to 8" - Steel	TN	1	35.23	70.45	277.20	19,529	0.00	0	120.00	8,454
Subtotal						731,170		0		27,665
Intake Structure Equipment & Piping										
Traveling Water Screen - Steel	TN	4	18.03	144.25	207.90	29,990	0.00	0	120.00	17,310
Screen Wash Pump w/ motor	TN	4	2.13	17.00	277.20	4,712	0.00	0	120.00	2,040
Trash Rake - Aluminum	TN	4	2.00	16.00	277.20	4,435	0.00	0	1340.00	21,440
5-ton Electric Hoist	TN	1	1.50	3.00	277.20	832	0.00	0	120.00	360
Intake Piping (66") - Reinforced Conc	CY	1	5,474.10	5,474.10	312.80	1,712,298	0.00	0	0.00	0
Subtotal						1,752,268		0		41,150
Discharge Piping										
Discharge Piping (66") - Reinforced C	CY	1	615.26	615.26	312.80	192,453	0.00	0	0.00	0
Discharge Piping (114") - Reinforced	CY	1	2,764.80	2,764.80	312.80	864,829	0.00	0	0.00	0
Subtotal						1,057,282		0		0
Station Structures										
Spread Footings - Reinforced Concre	CY	1	13,286.00	13,286.00	81.60	1,084,138	83.00	1,102,738	0.00	0
Footings, Piers & Grade Beams - Rei	CY	1	3,909.00	3,909.00	81.60	318,974	83.00	324,447	0.00	0
Ground Floor Slabs - Reinforced Con	CY	1	5,207.00	5,207.00	81.60	424,891	83.00	432,181	0.00	0
Turbine Generator Building - Structur	TN	1	892.00	892.00	207.90	185,447	0.00	0	120.00	107,040
T-G Bldg - Stairways & Handrailing	TN	1	60.16	60.16	277.20	16,677	0.00	0	120.00	7,219
Elevated Slabs - Reinforced Concrete	CY	1	1,043.00	2,086.00	81.60	170,218	83.00	173,138	0.00	0
Grating & Floor Plating - Steel 7,1	TN	1	39.03	78.06	277.20	21,638	0.00	0	120.00	9,367
Lift Station Structure/ Fndation - Rein	CY	1	870.00	870.00	81.60	70,992	83.00	72,210	0.00	0
Lift Station Pump w/ 40 hp motor	TN	2	1.30	5.20	277.20	1,441	0.00	0	120.00	624
Lift Station Pump w/ 125 hp motor	TN	2	2.42	9.68	277.20	2,683	0.00	0	120.00	1,162
Conduit - Steel	TN	1	79.01	79.01	447.30	35,341	0.00	0	120.00	9,481
Insulated Copper Wiring	TN	1	2.90	2.90	756.00	2,194	0.00	0	2100.00	6,094
Piping, Vlvs Under 4" - Steel	TN	1	2.98	2.98	447.30	1,331	0.00	0	120.00	357
Piping, Vlvs 4" to 8" - Steel	TN	1	30.87	30.87	277.20	8,557	0.00	0	120.00	3,704
Piping, Vlvs Over 8" - Steel	TN	1	3.90	3.90	207.90	810	0.00	0	120.00	468
Piping, Vlvs Under 4" - Iron	TN	1	1.34	1.34	378.00	506	0.00	0	120.00	161
Piping, Vlvs 4" to 8" - Iron	TN	1	44.50	44.50	378.00	16,822	0.00	0	120.00	5,340
Piping, Vlvs Over 8" - Iron	TN	1	34.98	34.98	378.00	13,221	0.00	0	120.00	4,197
15" Piping - Reinforced Concrete	CY	1	15.05	15.05	312.80	4,707	0.00	0	0.00	0
Subtotal						2,380,588		2,104,714		155,214
Total Account 311						6,175,659		2,104,714		284,349
FERC Account 312										
Boiler Plant Service Equipment										
Fuel Oil Day Tank - Steel 24,00	TN	2	105.00	420.00	n/a	34,090	n/a	0	120.00	50,400
Fuel Oil Day Tank - Cleaning	EA	2			n/a	0	n/a	150,000	0.00	0
Fuel Oil Day Tank - Steel - Foundatic	EA	2			n/a	0	n/a	135,330	0.00	0
Fuel Oil Day Tank - Soil Remediation	EA	2			n/a	0	n/a	55,520	0.00	0
Fuel Oil Burner Pump Heater - Steel	TN	1	7.08	14.16	277.20	3,925	0.00	0	120.00	1,699
Light Oil Tank - Steel 142 bbl	TN	1	16.00	32.00	n/a	6,818	0.00	0	120.00	3,840
Light Oil Tank - Steel - Cleaning Cost					n/a	0	n/a	6,109	120.00	0

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measu	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Light Oil Tank - Steel - Foundation					n/a	0	n/a	7,518	120.00	0
Light Oil Tank - Steel - Soil Remediation					n/a	0	n/a	3,084	120.00	0
Burner Fuel Oil Heater - Steel	TN	6	3.92	46.98	277.20	13,023	0.00	0	120.00	5,638
Fuel Oil Burner Pump/ Motor	TN	3	2.42	14.52	277.20	4,025	0.00	0	120.00	1,742
Basket Strainer (18") - Steel	TN	2	1.16	4.63	277.20	1,283	0.00	0	120.00	556
Fuel Oil Burner Booster Pump w/ mo	TN	2	4.74	18.96	277.20	5,256	0.00	0	120.00	2,275
Forced Draft Fan	TN	4	20.30	162.40	207.90	33,763	0.00	0	120.00	19,488
Forced Draft Fan Motor	TN	4	13.26	106.04	207.90	22,046	0.00	0	120.00	12,725
Insulation	CY	1	75.00	75.00	63.00	4,725	19.00	1,425	0.00	0
Forced Draft Fan Hydraulic Coupling	TN	4	7.75	62.00	277.20	17,186	0.00	0	120.00	7,440
Gas Induction Fan	TN	2	36.50	146.00	207.90	30,353	0.00	0	120.00	17,520
Gas Induction Fan Motor	TN	2	12.70	50.80	207.90	10,561	0.00	0	120.00	6,096
Gas Induction Fan Hydraulic Couplin	TN	2	9.25	37.00	277.20	10,256	0.00	0	120.00	4,440
F/D Fan & G/I Fan Foundations - Rei	CY	1	2,665.00	2,665.00	81.60	217,464	83.00	221,195	0.00	0
Breeching Foundations - Reinforced	CY	1	130.00	260.00	81.60	21,216	83.00	21,580	0.00	0
Steel Support - Fan Removal	TN	1	136.00	272.00	207.90	56,549	0.00	0	120.00	32,640
Ductwork - Steel (53,761 sf x 1	TN	1	274.18	548.37	277.20	152,007	0.00	0	120.00	65,804
Forced Draft Fan Hoist - 7 1/2 Ton	TN	2	1.35	5.40	277.20	1,497	0.00	0	120.00	648
Gas Induction Fan Hoist - 7 1/2 Ton	TN	2	1.19	4.76	277.20	1,319	0.00	0	120.00	571
Insulated Copper Wire	TN	1	4.17	8.34	756.00	6,305	0.00	0	2100.00	17,513
Conduit - Aluminum	TN	1	19.90	39.81	447.30	17,806	0.00	0	1020.00	40,605
Piping, Vlvs Under 4" - Steel	TN	1	122.18	122.18	447.30	54,653	0.00	0	120.00	14,662
Piping, Vlvs 4" to 8" - Steel	TN	1	80.37	80.37	277.20	22,277	0.00	0	120.00	9,644
Piping, Vlvs Over 8" - Steel	TN	1	118.31	118.31	207.90	24,597	0.00	0	120.00	14,198
Piping, Vlvs 4" to 8" - Iron	TN	1	39.50	39.50	378.00	14,930	0.00	0	120.00	4,740
Piping, Vlvs Over 8" - Iron	TN	1	66.35	66.35	378.00	25,079	0.00	0	120.00	7,962
Piping, Vlvs - Fiberglass	CY	1	1.75	1.75	32.64	57	19.00	33	0.00	0
15" Piping - Reinforced Concrete	CY	1	8.31	8.31	312.80	2,599	0.00	0	0.00	0
Piping Foundations - Reinforced Con	CY	1	214.00	214.00	81.60	17,462	83.00	17,762	0.00	0
Piping Insulation	CY	1	59.09	59.09	63.00	3,723	19.00	1,123	0.00	0
Subtotal						836,853		620,679		342,845
Boiler Plant Equipment										
Structural Steel	TN	1	6,214.00	6,214.00	207.90	1,291,891	0.00	0	120.00	745,680
Checkerplate - Steel 49,094	TN	1	220.92	441.84	277.20	122,478	0.00	0	120.00	53,021
Handrailing - Steel 12,216	TN	1	30.54	61.08	277.20	16,931	0.00	0	120.00	7,330
Steam Generation Unit - including:										
Steam Drum, Internals, Supports	TN	2	272.50	1,090.00	207.90	226,611	0.00	0	120.00	130,800
Burner Area & Windboxes	TN	1	81.50	163.00	207.90	33,888	0.00	0	120.00	19,560
Penthouse Area	TN	1	816.50	1,633.00	207.90	339,501	0.00	0	120.00	195,960
Heat Recovery Area	TN	1	293.00	586.00	207.90	121,829	0.00	0	120.00	70,320
Hopper Area	TN	1	13.50	27.00	207.90	5,613	0.00	0	120.00	3,240
Water Walls/ Headers	TN	1	1,753.00	3,506.00	207.90	728,897	0.00	0	120.00	420,720
Downcomers	TN	1	675.00	1,350.00	207.90	280,665	0.00	0	120.00	162,000
Air Preheater	TN	2	667.50	2,670.00	207.90	555,093	0.00	0	120.00	320,400
Steam Coil Air Heater	TN	1	15.24	30.48	207.90	6,337	0.00	0	120.00	3,658
Superheater	TN	1	1,001.00	2,002.00	207.90	416,216	0.00	0	120.00	240,240
Reheater	TN	1	942.50	1,885.00	207.90	391,892	0.00	0	120.00	226,200

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measu	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Economizer	TN	1	731.50	1,463.00	207.90	304,158	0.00	0	120.00	175,560
Flues/ Ductwork	TN	1	689.50	1,379.00	277.20	382,259	0.00	0	120.00	165,480
Boiler Setting - Insulation	CY	1	2,090.40	4,180.80	81.60	341,153	19.00	79,435	0.00	0
Soot Blower	TN	32	1.95	124.80	277.20	34,595	0.00	0	120.00	14,976
Soot Blower Support Steel	TN	1	20.00	40.00	277.20	11,088	0.00	0	120.00	4,800
Safety/ Relief Valves (total)	TN	1	14.00	28.00	277.20	7,762	0.00	0	120.00	3,360
Safety/ Relief Valve Silencers	TN	1	35.00	70.00	277.20	19,404	0.00	0	120.00	8,400
Instrument Air Compressor w/ 100 hp	TN	2	6.30	25.20	277.20	6,985	0.00	0	120.00	3,024
Instrument Air Dryer	TN	1	2.00	4.00	277.20	1,109	0.00	0	120.00	480
Compressor Foundations - Reinforce	CY	1	15.00	15.00	81.60	1,224	83.00	1,245	0.00	0
Boiler Combustion Controls	TN	1	3.50	7.00	447.30	3,131	0.00	0	120.00	840
Steam and Water Sampling System	TN	1	1.50	3.00	447.30	1,342	0.00	0	120.00	360
Air Preheater Cleaning & Washing S	TN	2	1.34	5.35	447.30	2,391	0.00	0	120.00	642
Piping, Vlvs Under 4" - Steel	TN	1	65.95	65.95	447.30	29,498	0.00	0	120.00	7,914
Piping, Vlvs 4" to 8" - Steel	TN	1	30.45	30.45	277.20	8,441	0.00	0	120.00	3,654
Piping, Vlvs Over 8" - Steel	TN	1	15.50	15.50	207.90	3,223	0.00	0	120.00	1,860
Piping Insulation	CY	1	8.34	8.34	63.00	525	19.00	158	0.00	0
Subtotal						5,696,129		80,839		2,990,477
Boiler Plant Auxiliaries										
Feedwater System										
#1 Low Pressure Feedwater Heater -	TN	2	30.85	123.40	207.90	25,655	0.00	0	120.00	14,808
#2 Low Pressure Feedwater Heater -	TN	2	21.95	87.80	207.90	18,254	0.00	0	120.00	10,536
#3 Low Pressure Feedwater Heater -	TN	1	41.80	83.60	207.90	17,380	0.00	0	120.00	10,032
#4 Low Pressure Feedwater Heater -	TN	1	42.80	85.60	207.90	17,796	0.00	0	120.00	10,272
#5 Low Pressure Feedwater Heater -	TN	1	53.65	107.30	207.90	22,308	0.00	0	120.00	12,876
#6 High Pressure Feedwater Heater -	TN	2	48.15	192.60	207.90	40,042	0.00	0	120.00	23,112
#7 High Pressure Feedwater Heater -	TN	2	53.50	214.00	207.90	44,491	0.00	0	120.00	25,680
Condensate Recovery Drain Cooler -	TN	1	1.00	2.00	447.30	895	0.00	0	120.00	240
Condensate Recovery Vent Condens	TN	1	1.25	2.50	277.20	693	0.00	0	120.00	300
Boiler Feed Pump	TN	2	14.48	57.90	207.90	12,037	0.00	0	120.00	6,948
Boiler Feed Pump Motor	TN	2	13.03	52.10	207.90	10,832	0.00	0	120.00	6,252
Boiler Feed Pump Lube Oil Reservoi	TN	2	2.70	10.80	277.20	2,994	0.00	0	120.00	1,296
Boiler Feed Pump Lube Oil Batch Ta	TN	1	1.93	3.86	277.20	1,070	0.00	0	120.00	463
Boiler Feed Pump Lube Oil Conditior	TN	1	1.00	2.00	447.30	895	0.00	0	120.00	240
Heater Drain Pump/ Motor	TN	2	5.95	23.80	277.20	6,597	0.00	0	120.00	2,856
Heater Drain Pump Strainer - Steel	TN	2	1.00	4.00	447.30	1,789	0.00	0	120.00	480
Heater Drain Pmp/ Mtr Foundation - I	CY	1	10.00	20.00	81.60	1,632	83.00	1,660	0.00	0
Condensate Storage Tank - 400,000	TN	1	48.00	96.00	207.90	19,958	0.00	0	120.00	11,520
Condensate Strg Tank Foundation - I	CY	1	274.00	274.00	81.60	22,358	83.00	22,742	0.00	0
Condensate Recovery Tank - Steel	TN	1	9.35	18.69	277.20	5,182	0.00	0	120.00	2,243
Condensate Rcvry Tank Foundation -	CY	1	32.00	32.00	81.60	2,611	83.00	2,656	0.00	0
Condensate Recovery Flash Tank - S	TN	1	1.41	2.82	277.20	782	0.00	0	120.00	339
Blowdown Tank - Steel	TN	1	6.33	12.65	277.20	3,507	0.00	0	120.00	1,518
Blowdown Tank Silencer - Steel	TN	1	1.42	2.84	277.20	787	0.00	0	120.00	341
Blowdown Tank Foundation - Reinf C	CY	1	10.00	20.00	81.60	1,632	83.00	1,660	0.00	0
Boiler Blowdown Heat Exchanger - S	TN	1	1.95	3.90	277.20	1,081	0.00	0	120.00	468
System Piping, Vlvs Under 4" - Steel	TN	1	102.10	102.10	447.30	45,669	0.00	0	120.00	12,252
System Piping, Vlvs 4" to 8" - Steel	TN	1	88.04	88.04	277.20	24,406	0.00	0	120.00	10,565

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measu	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
System Piping, Vlvs Over 8" - Steel	TN	1	52.95	52.95	207.90	11,008	0.00	0	120.00	6,354
System Insulation	CY	1	70.12	70.12	63.00	4,418	19.00	1,332	0.00	0
Subtotal						368,758		30,050		171,991
Closed Cooling Water System Equipment										
Cooling Water Pump w/ 300 hp moto	TN	2	3.42	13.68	277.20	3,792	0.00	0	120.00	1,642
Cooling Water Pump Strainer (20") -	TN	2	1.33	5.33	277.20	1,477	0.00	0	120.00	640
Cooling Water Heat Exchanger - Ste	TN	2	24.00	96.00	207.90	19,958	0.00	0	120.00	11,520
Pmp/mtr, Heat Exchanger Fndtions -	CY	1	91.00	91.00	81.60	7,426	83.00	7,553	0.00	0
Cooling Water Surge Tank - Steel	TN	1	2.01	4.01	277.20	1,112	0.00	0	120.00	481
Subtotal						33,765		7,553		14,283
Boiler Plant Piping - All Systems										
Piping, Vlvs Under 4" - Steel	TN	1	658.89	658.89	447.30	294,721	0.00	0	120.00	79,067
Piping, Vlvs 4" to 8" - Steel	TN	1	448.78	448.78	277.20	124,400	0.00	0	120.00	53,853
Piping, Vlvs Over 8" - Steel	TN	1	2,120.18	2,120.18	207.90	440,785	0.00	0	120.00	254,422
Copper Tubing	TN	1	19.25	19.25	447.30	8,609	0.00	0	5000.00	96,230
Steel Tubing	TN	1	1.57	1.57	447.30	700	0.00	0	120.00	188
Piping Insulation	CY	1	253.64	253.64	63.00	15,979	19.00	4,819	0.00	0
Subtotal						885,196		4,819		483,759
Induced Draft Equipment										
Induced Draft Fan	TN	4	52.85	422.80	207.90	87,900	0.00	0	120.00	50,736
Induced Draft Fan Motor - 4,500 hp	TN	4	16.50	132.00	207.90	27,443	0.00	0	120.00	15,840
Induced Draft Fan Hydraulic Coupling	TN	4	15.00	120.00	207.90	24,948	0.00	0	120.00	14,400
ID Fans/ Motors Foundation - Reinf C	CY	1	2,211.00	2,211.00	81.60	180,418	83.00	183,513	0.00	0
I/D Fan Hoist - 20 Ton	TN	1	2.10	4.20	277.20	1,164	0.00	0	120.00	504
Dust Collector, Vibrating System, Ou	TN	1	512.50	1,025.00	277.20	284,130	0.00	0	120.00	123,000
Stack Breeching Foundation - Reinf (	CY	1	641.00	641.00	81.60	52,306	83.00	53,203	0.00	0
Ductwork - Steel (70,395 sf x 1	TN	1	359.02	718.03	277.20	199,039	0.00	0	120.00	86,164
Ash Pits - Reinforced Concrete	CY	1	68.00	68.00	81.60	5,549	83.00	5,644	0.00	0
Ash Water Pump w/ 40 hp motor	TN	2	1.18	4.70	277.20	1,303	0.00	0	120.00	564
Stack Foundation - Reinforced Concr	CY	1	6,160.00	6,160.00	81.60	502,656	83.00	511,280	0.00	0
Stack - Reinforced Concrete	CY	1	3,851.00	7,702.00	81.60	628,483	83.00	639,266	0.00	0
Stack Lining - Concrete Brick	CY	1	3,760.80	7,521.60	32.64	245,505	83.00	624,293	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	2.63	2.63	447.30	1,174	0.00	0	120.00	315
Piping, Vlvs 4" to 8" - Steel	TN	1	2.93	2.93	277.20	813	0.00	0	120.00	352
Piping, Vlvs Over 8" - Steel	TN	1	128.26	128.26	207.90	26,665	0.00	0	120.00	15,391
Insulation	CY	1	18.37	18.37	63.00	1,157	19.00	349	0.00	0
Subtotal						2,270,653		2,017,548		307,266
Miscellaneous Equipment & Steel	TN	1	360.94	360.94	447.30	161,448	0.00	0	120.00	43,313
Total Account 312						10,252,803		2,761,488		4,353,934
Account 314 - Turbogenerator Unit Foundations										
Turbine Pedestal - Reinforced Concr	CY	1	6,222.00	6,222.00	81.60	507,715	83.00	516,426	0.00	0
Subtotal						507,715		516,426		0

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measu	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Turbogenerator Equipment										
Turbine Generator	TN	1	683.85	1,367.69	157.50	215,411	0.00	0	120.00	164,123
Main Lube Oil Pump w/ motor	TN	1	3.00	6.00	277.20	1,663	0.00	0	120.00	720
Aux Lube Oil Pump w/ motor	TN	1	2.00	4.00	277.20	1,109	0.00	0	120.00	480
Lube Oil Conditioning Tank - Steel	TN	1	3.27	6.54	277.20	1,813	0.00	0	120.00	785
Lube Oil Batch Tank - 15,000 gal	TN	1	12.20	24.40	207.90	5,073	0.00	0	120.00	2,928
Piping, Vlvs Under 4" - Steel	TN	1	26.78	26.78	447.30	11,979	0.00	0	120.00	3,214
Piping, Vlvs 4" to 8" - Steel	TN	1	11.61	11.61	277.20	3,218	0.00	0	120.00	1,393
Subtotal						240,265		0		173,642
Condenser and Auxiliaries										
Condenser Shell - Steel	TN	1	424.24	848.48	207.90	176,399	0.00	0	120.00	101,818
Condenser Tubes - Aluminum-Brass	TN	1	433.94	867.87	447.30	388,198	0.00	0	2800.00	2,430,036
Condenser Tubes - Cupro Nickel	TN	1	15.14	30.28	447.30	13,542	0.00	0	4000.00	121,104
Condenser Foundation - Reinforced (	CY	1	132.00	264.00	81.60	21,542	83.00	21,912	0.00	0
Condensate Pump w/ 2,250 hp motor	TN	2	14.71	58.84	207.90	12,233	0.00	0	120.00	7,061
Condensate Pump Strainer/ Baskets	TN	2	1.85	7.40	277.20	2,051	0.00	0	120.00	888
Circ Water Priming Vacuum Pump/M	TN	1	2.85	5.70	277.20	1,580	0.00	0	120.00	684
Hogging Ejector, Other Ejecs, Assoc	TN	1	9.00	18.00	277.20	4,990	0.00	0	120.00	2,160
Piping, Vlvs Under 4" - Steel	TN	1	19.58	19.58	447.30	8,757	0.00	0	120.00	2,349
Piping, Vlvs 4" to 8" - Steel	TN	1	10.80	10.80	277.20	2,993	0.00	0	120.00	1,296
Piping, Vlvs Over 8" - Steel	TN	1	16.12	16.12	207.90	3,352	0.00	0	120.00	1,935
System Insulation	CY	1	17.13	17.13	63.00	1,079	19.00	326	0.00	0
Subtotal						636,717		22,238		2,669,330
Circulating Water System										
Pump - 100,000 gpm	TN	4	41.50	332.00	207.90	69,023	0.00	0	120.00	39,840
Pump Motor - 1,000 hp	TN	4	12.10	96.80	207.90	20,125	0.00	0	120.00	11,616
Subtotal						89,148		0		51,456
Miscellaneous Equipment & Steel	TN	1	62.28	62.28	447.30	27,858	0.00	0	120.00	7,474
Total Account 314						1,501,703		538,664		2,901,902
Account 315 - Accessory Electrical Equipment										
Generator Leads & Supports										
Generator Leads Enclosures/ Suppor	TN	1	32.00	64.00	277.20	17,741	0.00	0	120.00	7,680
Subtotal						17,741		0		7,680
Power Conversion Equipment										
6,900V Metal-clad Switchgear	TN	2	96.10	384.40	447.30	171,942	0.00	0	120.00	46,128
6,900V Non-segregated Phase Bus	TN	1	19.32	38.65	447.30	17,286	0.00	0	5000.00	193,230
6,900V Non-segregated Phase Bus -	TN	1	3.75	7.50	207.90	1,559	0.00	0	120.00	900
480V Metal-clad Switchgear	TN	1	41.10	82.20	447.30	36,768	0.00	0	120.00	9,864
480V Load Control Center - 1,000 kv	TN	2	2.60	10.40	447.30	4,652	0.00	0	120.00	1,248
480V Load Control Center - 1,500 kv	TN	4	3.25	26.00	447.30	11,630	0.00	0	120.00	3,120
480V Motor Control Center (9 @ >1 t	TN	1	29.10	58.20	447.30	26,033	0.00	0	120.00	6,984
Auxiliary Power Transformer	TN	1	49.05	98.10	447.30	43,880	0.00	0	120.00	11,772

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measu	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Aux Transformer Foundation - Reinf	CY	1	542.00	542.00	81.60	44,227	83.00	44,986	0.00	0
Station Service Transformer	TN	1	7.80	15.60	447.30	6,978	0.00	0	120.00	1,872
Manholes & Handholes - Reinforced	CY	1	1,369.00	1,369.00	81.60	111,710	83.00	113,627	0.00	0
Generator Isolated Phase Bus	TN	1	37.92	75.84	447.30	33,922	0.00	0	5000.00	379,186
Generator Isolated Phase Bus - Struc	TN	1	9.00	18.00	207.90	3,742	0.00	0	120.00	2,160
Neutral Grounding Transformer	TN	3	4.00	24.00	447.30	10,735	0.00	0	120.00	2,880
Transformer Neutral Grounding Syste	TN	3	1.25	7.50	447.30	3,355	0.00	0	120.00	900
Current Transformer	TN	6	1.00	12.00	447.30	5,368	0.00	0	120.00	1,440
125VDC Load Control Center	TN	1	3.50	7.00	447.30	3,131	0.00	0	120.00	840
25 kva Cyberez Static Inverter	TN	2	1.00	4.00	447.30	1,789	0.00	0	120.00	480
25 kva Uninterruptible Power Supply	TN	1	1.00	2.00	447.30	895	0.00	0	120.00	240
** Battery Unit - 125VDC, 60-Cell	TN	1	10.50	21.00	447.30	9,393	0.00	0	120.00	2,520
Battery Charger	TN	3	1.05	6.30	447.30	2,818	0.00	0	120.00	756
Main Boiler-Turbine Generator Contr	TN	1	25.58	51.16	447.30	22,884	0.00	0	120.00	6,139
Main Boiler-Turbine Generator Contr	TN	1	8.80	17.60	447.30	7,872	0.00	0	120.00	2,112
Bus Current Transformer	TN	3	1.00	6.00	447.30	2,684	0.00	0	120.00	720
Potential Transformer	TN	1	2.25	4.50	447.30	2,013	0.00	0	120.00	540
Voltage & Field Breaker Regulator	TN	1	6.00	12.00	447.30	5,368	0.00	0	120.00	1,440
Conduit (underground) - PVC	TN	1	246.15	246.15	447.30	110,105	0.00	0	0.00	0
Conduit (exposed) - Steel	TN	1	374.94	374.94	447.30	167,710	0.00	0	120.00	44,993
Conduit Ductbanks - Reinforced Con	CY	1	5,971.00	5,971.00	81.60	487,234	83.00	495,593	0.00	0
Cable Tray - Steel	TN	1	96.76	96.76	447.30	43,280	0.00	0	120.00	11,611
Power and Control Wiring - Insulated	TN	1	581.18	581.18	756.00	439,373	0.00	0	2100.00	1,220,481
Grounding Wire - Bare Copper	TN	1	27.13	27.13	756.00	20,511	0.00	0	5000.00	135,655
Subtotal						1,860,848		654,206		2,090,211
Total Account 315						1,878,589		654,206		2,097,891
FERC Account 316										
Miscellaneous Power Plant Equipment										
Compressed Air Piping, Vlvs Under 4	TN	1	128.62	128.62	447.30	57,530	0.00	0	120.00	15,434
Compressed Air Piping, Vlvs 4" to 8"	TN	1	5.09	5.09	277.20	1,411	0.00	0	120.00	611
Nitrogen Purge Piping, Vlvs Under 4"	TN	1	141.36	141.36	447.30	63,232	0.00	0	120.00	16,964
Total Account 316						122,174		0		33,009
TOTAL MARTIN UNITS 1 & 2						19,930,928		6,059,072		9,671,084
MARTIN FUEL OIL STORAGE FACILITY										
FERC Account 311										
Improvements to Site										
Riviera Unloading Facility										
F/O Transfer Pump w/ 300 hp mtr (Si	TN	2	4.30	8.60	277.20	2,384	0.00	0	120.00	1,032
F/O Booster Pump w/ 500 hp mtr (Inc	TN	2	5.43	10.85	277.20	3,008	0.00	0	120.00	1,302
Pump/ Motor Foundations - Reinforce	CY	1	90.00	90.00	81.60	7,344	83.00	7,470	0.00	0
30" F/O Piping to WPB Facility - Stee	TN	1	8,147.74	8,147.74	378.00	3,079,846	0.00	0	120.00	977,729
Pre-cast Pipeline Weights - Reinf Co	CY	1	121.50	121.50	81.60	9,914	83.00	10,085	0.00	0
F/O Transfer Piping at Facility - Steel	TN	1	16.24	16.24	378.00	6,138	0.00	0	120.00	1,949
10" Collapsible Unloading Arm	TN	2	3.05	6.10	277.20	1,691	0.00	0	120.00	732
10" Stationary Unloading Arm	TN	2	8.50	17.00	277.20	4,712	0.00	0	120.00	2,040

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Electrical Switchgear Building - Conc	CY	1	55.00	55.00	32.64	1,795	83.00	4,565	0.00	0
Elec Swgr Bldg Foundation - Reinf C	CY	1	92.00	92.00	81.60	7,507	83.00	7,636	0.00	0
Subtotal						3,124,340		29,756		984,783
West Palm Beach Storage Facility										
Asphalt Paving	CY	1	237.60	237.60	32.64	7,755	83.00	19,721	0.00	0
Light Poles - Concrete (28 in total)	CY	1	3.54	3.54	32.64	116	83.00	294	0.00	0
Surge Basin - Reinforced Concrete	CY	1	300.00	300.00	81.60	24,480	83.00	24,900	0.00	0
Septic Tank System	CY	1	2.00	2.00	312.80	626	0.00	0	0.00	0
Yard Platforms, Ladders, Ppng Supp	TN	1	36.00	36.00	277.20	9,979	0.00	0	120.00	4,320
Yard Structural Supports, Fndtns - Re	CY	1	400.00	400.00	81.60	32,640	83.00	33,200	0.00	0
Potable Water Piping, Vlvs Under 4"	TN	1	9.48	9.48	378.00	3,582	0.00	0	120.00	1,137
Firemain Piping - Reinforced Concret	CY	1	26.11	26.11	312.80	8,168	0.00	0	0.00	0
Firemain Piping, Hydrants Over 8" - I	TN	1	93.95	93.95	378.00	35,512	0.00	0	120.00	11,274
Oily Waste Separator, Pump/mtr (ab	TN	1	3.25	3.25	277.20	901	0.00	0	120.00	390
Diesel-driven Firepump w/ Engine	TN	1	2.72	2.72	277.20	755	0.00	0	120.00	327
Motor-driven Firepump w/ Motor	TN	1	1.57	1.57	277.20	436	0.00	0	120.00	189
500,000 bbl F/O Storage Tank/ Mixer	TN	4	1,403.18	5,612.70	n/a	204,544	0.00	0	120.00	673,524
500,000 bbl Tank Ladder & Platform	TN	4	2.85	11.40	277.20	3,160	0.00	0	120.00	1,368
500,000 bbl F/O Storage Tank - Insul	CY	4	680.00	2,720.00	63.00	171,360	19.00	51,680	0.00	0
500,000 bbl F/O Storage Tanks - Fou	EA	1			n/a	0	n/a	51,700	0.00	0
500,000 bbl Tank - Soil Remediation	EA	4			n/a	0	n/a	889,508	0.00	0
500,000 bbl Tanks - Cleaning	EA	1			n/a	0	n/a	3,800,000	0.00	0
Fuel Oil Heating Boiler - Steel	TN	2	17.40	34.80	207.90	7,235	0.00	0	120.00	4,176
Fuel Oil Heat Exchanger - Steel	TN	4	3.44	13.76	277.20	3,814	0.00	0	120.00	1,651
Boiler Feedwater Tank - Steel (10'D)	TN	1	3.80	3.80	277.20	1,053	0.00	0	120.00	456
Fuel Oil Transfer Pump w/ motor (S	TN	4	6.93	27.72	277.20	7,684	0.00	0	120.00	3,326
Transfer Pump/ Motor Foundation - F	CY	1	2,070.00	2,070.00	81.60	168,912	83.00	171,810	0.00	0
Pipeline Strainer (24") - Iron	TN	2	1.90	3.80	277.20	1,053	0.00	0	120.00	456
Pipeline Strainer (20") - Iron	TN	1	1.65	1.65	277.20	457	0.00	0	120.00	198
F/O Transfer Yard Ppng, Vlvs Under	TN	1	15.41	15.41	447.30	6,893	0.00	0	120.00	1,849
F/O Transfer Yard Ppng, Vlvs 4" to 8'	TN	1	32.87	32.87	277.20	9,111	0.00	0	120.00	3,944
F/O Transfer Yard Ppng, Vlvs Over 8	TN	1	213.86	213.86	207.90	44,461	0.00	0	120.00	25,663
Steam Trace Piping, Vlvs Under 4" -	TN	1	64.06	64.06	447.30	28,655	0.00	0	120.00	7,688
18" Undrgrnd Pipeline to Martin Plant	TN	1	6,671.60	6,671.60	378.00	2,521,866	0.00	0	120.00	800,592
Meter Prover and Associated Equipm	TN	1	17.05	17.05	207.90	3,545	0.00	0	120.00	2,046
Metering Installation & Assoc Eqpmn	TN	1	19.00	19.00	207.90	3,950	0.00	0	120.00	2,280
Fuel Oil Purge Tank - 110,000 bbl	TN	1	381.00	381.00	n/a	34,090	0.00	0	120.00	45,720
Fuel Oil Purge Tank - 110,000 bbl - C	EA	1					n/a	350,000	120.00	0
Fuel Oil Purge Tank - 110,000 bbl -S	EA	1					n/a	57,576	120.00	0
Fuel Oil Purge Tank Ladder & Platfor	TN	1	1.00	1.00	447.30	447	0.00	0	120.00	120
Purge Oil Pump w/ Motor	TN	1	1.90	1.90	277.20	527	0.00	0	120.00	228
Fuel Oil Purge Piping, Vlvs Over 8" -	TN	1	41.94	41.94	207.90	8,719	0.00	0	120.00	5,033
Fuel Oil Purge Tank Foundation - Re	CY	1	5,600.00	5,600.00	n/a	0	0.00	0	0.00	0
Light Oil Tank - 5,000 bbl	TN	1	24.50	24.50	n/a	6,818	0.00	0	120.00	2,940
Light Oil Tank - 5,000 bbl - Cleaning	EA	1			n/a	0	n/a	15,000	0.00	0
Light Oil Tank - 5,000 bbl Soil Reme	EA	1			n/a	0	n/a	459	0.00	0
Light Oil Piping, Vlvs Under 4" - Stee	TN	1	7.11	7.11	447.30	3,179	0.00	0	120.00	853
Light Oil Piping, Vlvs 4" to 8" - Steel	TN	1	3.88	3.88	277.20	1,075	0.00	0	120.00	465

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Terminal Buildings - Concrete Block	CY	1	469.00	469.00	32.64	15,308	83.00	38,927	0.00	0
Terminal Buildings Roofing - Concret	CY	1	182.00	182.00	32.64	5,940	83.00	15,106	0.00	0
Terminal Bldgs Foundations - Reinf C	CY	1	549.00	549.00	81.60	44,798	83.00	45,567	0.00	0
Worthington Air Compressor w/ Moto	TN	1	2.00	2.00	277.20	554	0.00	0	120.00	240
Radio Antenna - Steel	TN	1	2.00	2.00	277.20	554	0.00	0	120.00	240
Subtotal						3,434,714		5,565,448		1,602,693
Total Account 311						6,559,053		5,595,203		2,587,476
FERC Account 315										
Accessory Electrical Equipment										
Riviera Unloading Facility										
Auxiliary Power Transformer - 1500 k	TN	1	4.65	4.65	447.30	2,080	0.00	0	120.00	558
Neutral Grounding Resistor	TN	1	2.50	2.50	447.30	1,118	0.00	0	120.00	300
Transformer/ Resistor Foundation - R	CY	1	16.00	16.00	81.60	1,306	83.00	1,328	0.00	0
2,400V Metal-clad Switchgear	TN	1	6.99	6.99	447.30	3,126	0.00	0	120.00	839
480V Load Center/ Motor Control Cer	TN	1	8.00	8.00	447.30	3,578	0.00	0	120.00	960
Control Building - Panels/ Consoles	TN	1	2.50	2.50	447.30	1,118	0.00	0	120.00	300
Subtotal						12,326		1,328		2,957
West Palm Beach Storage Facility										
Auxiliary Power Transformer - 5,000 I	TN	1	8.96	8.96	447.30	4,009	0.00	0	120.00	1,076
Aux Power Trnsfrmr Foundation - Re	CY	1	18.00	18.00	81.60	1,469	83.00	1,494	0.00	0
Transformer - 750 kva	TN	1	2.10	2.10	447.30	939	0.00	0	120.00	252
Transformer - 112.5 kva	TN	1	1.28	1.28	447.30	573	0.00	0	120.00	154
2,400V Metal-clad Switchgear	TN	1	8.46	8.46	447.30	3,785	0.00	0	120.00	1,016
480V Load Center	TN	1	3.00	3.00	447.30	1,342	0.00	0	120.00	360
480V Motor Control Center	TN	4	2.50	10.00	447.30	4,473	0.00	0	120.00	1,200
Neutral Grounding Transformer	TN	2	1.25	2.50	447.30	1,118	0.00	0	120.00	300
Emergency Diesel Gen & Accessorie	TN	1	3.20	3.20	277.20	887	0.00	0	120.00	384
** Battery Set	TN	1	1.43	1.43	277.20	395	0.00	0	120.00	171
Battery Charger	TN	1	1.20	1.20	277.20	333	0.00	0	120.00	144
Electrical Conduit (underground) - PV	TN	1	30.54	30.54	312.80	9,552	0.00	0	0.00	0
Electrical Conduit (above ground) - S	TN	1	83.33	83.33	447.30	37,272	0.00	0	120.00	9,999
Cable Tray - Steel	TN	1	1.36	1.36	447.30	609	0.00	0	120.00	164
Insulated Copper Wiring	TN	1	64.34	64.34	756.00	48,637	0.00	0	2100.00	135,104
Bare Copper Wiring	TN	1	9.03	9.03	756.00	6,828	0.00	0	5000.00	45,158
Supervisory Control Consoles (total)	TN	1	8.00	8.00	447.30	3,578	0.00	0	120.00	960
Subtotal						125,799		1,494		196,440
Total Account 315						138,125		2,822		199,397
TOTAL MARTIN FUEL OIL STORAGE FACILITY						6,697,178		5,598,025		2,786,873
TOTAL MARTIN COMMON, UNITS 1 & 2 AND FUEL OIL STORAGE FACILITY						29,510,870		13,733,158		12,930,828

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Unit 3									
Account 341 Structures and Improvements									
Yard Lighting									
Yard Lighting	1	5.50	TN	447.30	2,460	0.00	0	120.00	660
Plant Lighting	1	2.00	TN	447.30	895	0.00	0	120.00	240
Discharge - Paving	720	60.00	CY	32.64	1,958	83.00	4,980	0.00	0
Intake- Paving	2,280	190.00	CY	32.64	6,202	83.00	15,770	0.00	0
Misc Curbs, Gutters, Sidewalks	1	150.00	CY	32.64	4,896	83.00	12,450	0.00	0
					16,411		33,200		900
Fire Protection System									
Fire Protection Pumps	4	4.00	TN	277.20	1,109	0.00	0	120.00	480
Fire Protection System (Piping & Hydrants)	5,325	213.00	CY	277.20	59,044	0.00	0	120.00	25,560
Fire Protection System 2 1/2" & > Pipe	4,950	74.25	TN	277.20	20,582	0.00	0	120.00	8,910
Fire Protection System 2" & < Pipe	1,825	2.74	TN	277.20	759	0.00	0	120.00	329
Sanitary Sewer Piping	1,230	18.22	CY	32.64	595	83.00	1,512	0.00	0
Fencing	7,000	175.00	TN	447.30	78,278	0.00	0	120.00	21,000
Fencing	1	2.50	TN	447.30	1,118	0.00	0	120.00	300
					161,484		1,512		56,579
Buildings									
Water Chemistry Building	2,250	500.00	CY	32.64	16,320	83.00	41,500	0.00	0
Hazardous Waste Drum Storage Building	1	120.00	CY	32.64	3,917	83.00	9,960	0.00	0
Paint & Lube Oil Storage Building	1	120.00	CY	32.64	3,917	83.00	9,960	0.00	0
Service Building - Masonry	1	500.00	CY	32.64	16,320	83.00	41,500	0.00	0
Service Building - Structural & Miscellaneous Steel	1	10.00	TN	447.30	4,473	0.00	0	120.00	1,200
Service Building - Finishes	1	20.00	CY	32.64	653	83.00	1,660	0.00	0
Service Building - Doors, Hardware, Glazing	1	15.00	CY	32.64	490	83.00	1,245	0.00	0
Service Building - Specialties	1	25.00	CY	32.64	816	83.00	2,075	0.00	0
Service Building - Plumbing	1	80.00	CY	32.64	2,611	83.00	6,640	0.00	0
Service Building -Electrical	1	40.00	TN	447.30	17,892	0.00	0	120.00	4,800
Service Building - HVAC	1	100.00	TN	447.30	44,730	0.00	0	120.00	12,000
H P Feedwater Pumps - Insulation	1,136	100.00	CY	63.00	6,300	83.00	8,300	0.00	0
Service Building - Elevator & Hoist	1	7.50	TN	447.30	3,355	0.00	0	120.00	900
					121,793		122,840		18,900
Power Block									
Service Building -Concrete	2,403	2,403.00	CY	32.64	78,434	83.00	199,449	0.00	0
Power Block - Structural Steel	1,044	1,044.00	TN	207.90	217,048	0.00	0	120.00	125,280
Base Plates Unit 3A	1	20.00	TN	207.90	4,158	0.00	0	120.00	2,400
Base Plates Unit 3B	1	20.00	TN	207.90	4,158	0.00	0	120.00	2,400
Power Block - Handrail, Toeblock, Misc.	1	5.00	TN	447.30	2,237	0.00	0	120.00	600
Power Block - Decking	40,212	301.59	TN	447.30	134,901	0.00	0	120.00	36,191
Power Block - Ladders, Stairs & Platforms	58	58.00	TN	447.30	25,943	0.00	0	120.00	6,960
HRSG Structural/Ductwork - Unit 3A	1	210.05	TN	277.20	58,226	0.00	0	120.00	25,206
HRSG Structural/Ductwork - Unit 3B	1	205.05	TN	277.20	56,840	0.00	0	120.00	24,606
Lighting Panels	1	0.03	TN	447.30	11	0.00	0	120.00	3
Power Block Grade Slab Concrete	2,070	2,070.00	CY	81.60	168,912	83.00	171,810	0.00	0
Power Block Structure Foundation Concrete	2,457	2,457.00	CY	81.60	200,491	83.00	203,931	0.00	0
Power Block Elevated Slabs	659	659.00	CY	81.60	53,774	83.00	54,697	0.00	0

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Water Treatment Control Building	1	177.78	CY	81.60	14,507	83.00	14,756	0.00	0
HRSG Analyzer Buildings (2 ea)	540	200.00	CY	81.60	16,320	83.00	16,600	0.00	0
HRSG DCS Buildings (2 ea)	688	152.89	CY	81.60	12,476	83.00	12,690	0.00	0
Discharge - Sluice Gates	2	100.00	CY	81.60	8,160	83.00	8,300	0.00	0
					1,056,596		682,232		223,646
Open Cooling Water System									
OCW System 2" &< - Pipe	286	0.43	TN	277.20	119	0.00	0	120.00	51
OCW System 21/2" & > - Pipe	775	42.63	TN	277.20	11,816	0.00	0	120.00	5,115
OCW Duplex Basket Strainers	1	0.15	TN	277.20	42	0.00	0	120.00	18
Open Cooling Water Pumps	1	11.80	TN	207.90	2,453	0.00	0	120.00	1,416
Open Cooling Water Booster Pumps	3	9.80	TN	207.90	2,038	0.00	0	120.00	1,176
					16,467		0		7,777
Pond Water System									
Pond Water System 2" & < Pipe	67	0.10	TN	277.20	28	0.00	0	120.00	12
Pond Water System 21/2" & > Pipe	1,236	6.18	TN	277.20	1,713	0.00	0	120.00	742
Pond Water Booster Pumps	1	3.27	TN	277.20	906	0.00	0	120.00	392
					2,647		0		1,146
Water Treatment System									
Water Treatment System	1	5.50	TN	277.20	1,525	0.00	0	120.00	660
Service Water System 2" & < Pipe	1,074	1.61	TN	277.20	447	0.00	0	120.00	193
Service Water System 2 1/2" & > Pipe	1,160	5.80	TN	277.20	1,608	0.00	0	120.00	696
Service Water Pumps	1	0.57	TN	277.20	157	0.00	0	120.00	68
Treated Water Storage Tanks	1	1.20	TN	277.20	331	0.00	0	120.00	143
Treated Water Storage Tank Foundation	21	21.00	CY	81.60	1,714	83.00	1,743	0.00	0
Rainwater Runoff Storage Tank Foundation	12	12.00	CY	81.60	979	83.00	996	0.00	0
HRSG Blowdown Tank Sump	200	200.00	CY	81.60	16,320	83.00	16,600	0.00	0
Wastewater System 2" & < Pipe	1,124	1.69	TN	277.20	467	0.00	0	120.00	202
Power Block Drainage Pipe	4,290	63.56	CY	81.60	5,186	83.00	5,275	0.00	0
Wastewater System 2 1/2" & > Pipe	6,789	101.84	TN	207.90	21,171	0.00	0	120.00	12,220
Sump Pumps	35	8.75	TN	207.90	1,819	0.00	0	120.00	1,050
Sump Pumps & Miscellaneous	16	4.00	TN	207.90	832	0.00	0	120.00	480
Rainfall Runoff Collection Tank	1	5.00	TN	277.20	1,386	0.00	0	120.00	600
Wastewater Treatment System	1	0.50	TN	277.20	139	0.00	0	120.00	60
					54,081		24,614		16,373
Potable Water System									
Potable Water System	1	2.50	TN	277.20	693	0.00	0	120.00	300
Potable Water System 2" & < Pipe	677	5.01	TN	277.20	1,390	0.00	0	120.00	602
Potable Water System	1,310	19.41	TN	277.20	5,380	0.00	0	120.00	2,329
Potable Water System 2 1/2" & > Pipe	667	9.88	TN	277.20	2,739	0.00	0	120.00	1,186
Pipe Rack Drilled Piers - Concrete	810	810.00	CY	81.60	66,096	83.00	67,230	0.00	0
Pipe Racks & Bridges	481	481.00	TN	277.20	133,333	0.00	0	120.00	57,720
					209,631		67,230		62,136
Control/Security									
Access Control / Security	1	5.00	CY	81.60	408	83.00	415	0.00	0
Auxiliary Boiler Building	575	63.89	CY	81.60	5,213	83.00	5,303	0.00	0

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Control Building - Masonry	1	73.83	CY	32.64	2,410	83.00	6,128	0.00	0
Control Building Structural Steel	119	119.00	TN	207.90	24,740	0.00	0	120.00	14,280
Control Building Finishes	1	14.00	CY	32.64	457	83.00	1,162	0.00	0
Control Building Millwork	1	26.79	CY	32.64	874	83.00	2,223	0.00	0
Control Building Doors, Hardware, Glazing	1	10.00	CY	32.64	326	83.00	830	0.00	0
Control Building Thermal Protection	1	185.70	CY	32.64	6,061	83.00	15,413	0.00	0
Control Building Specialties	1	20.00	CY	32.64	653	83.00	1,660	0.00	0
Control Building Plumbing	1	1.00	TN	277.20	277	0.00	0	120.00	120
Control Building Electrical	1	12.47	TN	277.20	3,457	0.00	0	120.00	1,496
Control Building HVAC	1	61.85	TN	277.20	17,145	0.00	0	120.00	7,422
Control Building Concrete	810	810.00	CY	81.60	66,096	83.00	67,230	0.00	0
Control Building Elevator & Hoist	1	10.00	TN	277.20	2,772	0.00	0	120.00	1,200
Switchgear Building	1	200.00	CY	81.60	16,320	83.00	16,600	0.00	0
					147,210		116,965		24,518
Account 341 Totals:					1,786,319		1,048,593		411,975
Account 342: Fuel Holders, Producers and Accessories									
Fuel Oil Equipment									
Fuel Oil Equipment Foundation	180	0.00	CY	81.60	0	0.00	0		0
Fuel Oil Storage Tank Foundation	3,868	0.00	CY	81.60	0	0.00	0		0
Diesel Oil Day Tanks	1	0.00	TN	277.20	0	0.00	0	120.00	0
Fuel Oil Storage Tanks	1	0.00	TN	277.20	0	0.00	0	120.00	0
					0		0		0
Natural Gas System									
Natural Gas System 2" & < - Pipe	112	0.17	TN	277.20	47	0.00	0	120.00	20
Gas Piping	1,650	90.75	TN	277.20	25,156	0.00	0	120.00	10,890
Natural Gas System 2 1/2" & > - Pipe	274	15.07	TN	277.20	4,177	0.00	0	120.00	1,808
Liquid Fuel System 2 1/2" & > - Pipe	3,892	58.38	TN	277.20	16,183	0.00	0	120.00	7,006
					45,563		0		19,724
Auxiliary Boiler System									
Auxiliary Boiler & Associated Skids	1	75.00	TN	277.20	20,790	0.00	0	120.00	9,000
Auxiliary Boiler Equipment Insulation	151	5.03	CY	63.00	317	19.00	96	0.00	0
Fuel Oil Unloading Equipment	1	25.00	TN	277.20	6,930	0.00	0	120.00	3,000
					28,037		96		12,000
Account 342 Totals:					73,600		96		31,724
Account 343: Prime Movers									
HRSG Foundation Mat Concrete	1,212	1,212.00	CY	81.60	98,899	83.00	100,596	0.00	0
HRSG Mechanical Equipment - Unit 3A	1	158.80	TN	207.90	33,015	0.00	0	120.00	19,056
HRSG Mechanical Equipment - Unit 3B	1	162.30	TN	207.90	33,742	0.00	0	120.00	19,476
Mech Finishes - Casings	1	66.45	TN	207.90	13,815	0.00	0	120.00	7,974
Modules - Unit 3A	1	2,350.65	TN	157.50	370,227	0.00	0	120.00	282,078
Modules - Unit 3B	1	2,420.70	TN	157.50	381,260	0.00	0	120.00	290,484
Insulation	1	75.00	CY	63.00	4,725	19.00	1,425	0.00	0
HRSG Blowdown System 2 1/2" & > - Pipe	345	12.08	TN	207.90	2,510	0.00	0	120.00	1,449
Electrical & Controls - Unit 3A	1	27.50	TN	277.20	7,623	0.00	0	120.00	3,300

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Electrical & Controls - Unit 3A	1	27.50	TN	277.20	7,623	0.00	0	120.00	3,300
					953,440		102,021		627,117
Feedwater System									
Feedwater System - 2" &< Pipe	1,647	2.47	TN	207.90	514	0.00	0	120.00	296
Feedwater System - 2 1/2" & > Pipe	1,466	51.31	TN	207.90	10,667	0.00	0	120.00	6,157
HRSG HP Feedwater Pumps	4	8.25	TN	207.90	1,716	0.00	0	120.00	990
HRSG LP Feedwater Pumps	4	8.25	TN	207.90	1,716	0.00	0	120.00	990
HRSG Feedwater Pump Foundations	615	615.00	CY	81.60	50,184	83.00	51,045	0.00	0
Deaerator Make-up Pumps	2	2.79	TN	277.20	773	0.00	0	120.00	334
H P Feedwater Pumps - Insulation	1,136	12.62	CY	63.00	795	19.00	240	0.00	0
L P Feedwater Pumps - Insulation	200	2.22	CY	63.00	140	19.00	42	0.00	0
L/P Feedwater Piping - Insulation	1,964	76.38	CY	63.00	4,812	19.00	1,451	0.00	0
					71,316		52,778		8,769
Combustion Turbine									
Combustion Turbine Fdn Mat Concrete	1,682	1,682.00	CY	81.60	137,251	83.00	139,606	0.00	0
Condensate Pump Casings	2	0.50	TN	277.20	139	0.00	0	120.00	60
Fire Pumps Foundation Concrete	29	29.00	CY	81.60	2,366	83.00	2,407	0.00	0
Misc. Mechanical Equipment Fdn Concrete	241	241.00	CY	81.60	19,666	83.00	20,003	0.00	0
C.T. Skid Mounted Equip Fdn Conc Pads	77	77.00	CY	81.60	6,283	83.00	6,391	0.00	0
C.T. 3A Combustion Turbine	1	188.50	TN	157.50	29,689	0.00	0	120.00	22,620
C.T. 3B Combustion Turbine	1	188.50	TN	157.50	29,689	0.00	0	120.00	22,620
C.T. 3A Insulation	1	28.89	CY	63.00	1,820	19.00	549	0.00	0
C.T. 3A Insulation	1	28.89	CY	63.00	1,820	19.00	549	0.00	0
C.T. Interconnect Pipe 2 1/2" & > - Pipe	3,200	112.00	TN	277.20	31,046	0.00	0	120.00	13,440
C.T. Interconnect Pipe 2" & < - Pipe	6,260	9.39	TN	277.20	2,603	0.00	0	120.00	1,127
					282,372		169,505		59,867
Main Steam System									
Main Steam System 2 1/2" & > - PIPE	4,421	994.73	TN	207.90	206,803	0.00	0	120.00	119,367
L/B Main Steam Piping - Insulation	4,400	171.11	CY	63.00	10,780	19.00	3,251	0.00	0
Aux Boiler System 2" & <- Pipe	878	1.32	TN	277.20	365	0.00	0	120.00	158
Aux Boiler System 2 1/2" & > - Pipe	680	10.20	TN	277.20	2,827	0.00	0	120.00	1,224
L/B Auxiliary Boiler Piping - Insulation	525	8.75	CY	63.00	551	19.00	166	0.00	0
L/B B.O.P. Piping - Insulation	323	5.38	CY	63.00	339	19.00	102	0.00	0
					221,666		3,520		120,749
Blowdown System									
HRSG Blowdown System 2" & <- Pipe	681	1.02	TN	277.20	283	0.00	0	120.00	123
HRSG Blowdown Tanks	2	4.74	TN	207.90	985	0.00	0	120.00	569
Main Steam Drain Tanks	2	2.88	TN	207.90	598	0.00	0	120.00	345
HRSG Blowdown Tanks - Insulation	322	3.58	CY	63.00	225	19.00	68	0.00	0
Steam Drain Tanks - Insulation	604	6.71	CY	63.00	423	19.00	128	0.00	0
Small Bore Pipe - Insulation	19,440	108.00	CY	63.00	6,804	19.00	2,052	0.00	0
Mechanical Finishes - Insulation	1	100.00	CY	63.00	6,300	19.00	1,900	0.00	0
					15,619		4,147		1,036
Steam Turbine									
Steam Turbines - Insulation	1	106.00	CY	63.00	6,678	19.00	2,014	0.00	0

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Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Main Steam System 2" & < - Pipe	2,705	8.12	TN	277.20	2,249	0.00	0	120.00	974
Steam Turbine Base Plates	1	25.00	TN	157.50	3,938	0.00	0	120.00	3,000
Steam Turbine & Accessories	1	175.00	TN	157.50	27,563	0.00	0	120.00	21,000
Hydraulic Power Unit	1	1.50	TN	207.90	312	0.00	0	120.00	180
Instrument Tubing	17,440	4.36	TN	277.20	1,209	0.00	0	120.00	523
Instrument Tubing - Insulation	19,400	7.19	CY	63.00	453	19.00	137	0.00	0
Instrumentation - Insulation	644	0.24	CY	63.00	15	19.00	5	0.00	0
					42,416		2,155		25,677
Condensate System									
Condensate System 2" & < Pipe	1,090	1.64	TN	277.20	453	0.00	0	120.00	196
Condensate System 2 1/2" & > Pipe	1,483	80.47	TN	277.20	22,305	0.00	0	120.00	9,656
L/B Cond. & B.D. Piping - Insulation	2,267	37.78	CY	63.00	2,380	19.00	718	0.00	0
Condenser Vacuum Pump Skid & Equipment	1	1.25	TN	207.90	260	0.00	0	120.00	150
Condensate Storage Tank Foundation	15	15.00	CY	81.60	1,224	83.00	1,245	0.00	0
Condensate Make-up Pumps	1	0.75	TN	207.90	156	0.00	0	120.00	90
HRSG Chemical FD System 2" & < - Pipe	650	0.98	TN	277.20	270	0.00	0	120.00	117
Circulating Water Chemical Feed Equipment	1	0.13	TN	277.20	35	0.00	0	120.00	15
HRSG Chemical Feed Skids	1	7.50	TN	277.20	2,079	0.00	0	120.00	900
Lube Oil Storage Tanks	1	3.26	TN	277.20	904	0.00	0	120.00	391
Miscellaneous Process Tanks	2	5.30	TN	277.20	1,469	0.00	0	120.00	636
Condensate Transfer System 2" & < - Pipe	1,430	2.15	TN	277.20	595	0.00	0	120.00	257
Condensate Transfer System 2 1/2" & > - Pipe	4,312	64.68	TN	207.90	13,447	0.00	0	120.00	7,762
Condensate Pumps	2	2.39	TN	207.90	497	0.00	0	120.00	287
Condensate Transfer Pumps	2	2.39	TN	207.90	497	0.00	0	120.00	287
Condensate Storage Tanks	1	1.20	TN	277.20	331	0.00	0	120.00	143
Bulk Gas System 2" & < - Pipe	3,420	5.13	TN	277.20	1,422	0.00	0	120.00	616
Bulk Gas Storage Area Facilities	1	6.67	CY	32.64	218	83.00	553	0.00	0
Water Analysis System	1	0.50	TN	277.20	139	0.00	0	120.00	60
Condensers	1	264.40	TN	207.90	54,969	0.00	0	4,000.00	1,057,600
Gland Steam Condensers	1	2.50	TN	207.90	520	0.00	0	120.00	300
Condensate Air Rem System 2" & < - Pipe	1,049	1.57	TN	277.20	436	0.00	0	120.00	189
					104,605		2,516		1,079,652
Circulating Water System									
Condensate Air Rem System 2 1/2" & > - Pipe	223	3.35	TN	207.90	695	0.00	0	120.00	401
Circulating Water System 2" & < - Pipe	173	0.26	TN	277.20	72	0.00	0	120.00	31
Circulating Water System 2 1/2" & > - Pipe	101	1.52	TN	207.90	315	0.00	0	120.00	182
L/B Circulating Water Piping - Insulation	1	75.00	CY	63.00	4,725	19.00	1,425	0.00	0
Circulating Water Pumps	2	47.98	TN	207.90	9,974	0.00	0	120.00	5,757
C W Chemical Treatment System 2" & < - Pipe	300	0.45	TN	277.20	125	0.00	0	120.00	54
					15,906		1,425		6,425
Screen Wash System									
Screen Wash Bubbler System Equipment	1	0.50	TN	277.20	139	0.00	0	120.00	60
Screen Wash System 2" & < - Pipe	30	0.05	TN	277.20	12	0.00	0	120.00	5
Screen Wash System 2 1/2" & > - Pipe	166	0.83	TN	207.90	173	0.00	0	120.00	100
Screen Wash Pumps	1	0.77	TN	207.90	160	0.00	0	120.00	92
					484		0		257

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Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
HRSG Stacks									
HRSG Stack Foundation Concrete	1,550	1,550.00	CY	81.60	126,480	83.00	128,650	0.00	0
Stack - Unit 3A	1	131.75	TN	207.90	27,391	0.00	0	120.00	15,810
Stack - Unit 3B	1	131.75	TN	207.90	27,391	0.00	0	120.00	15,810
Gland Steam Cond - Insulation	90	1.00	CY	63.00	63	19.00	19	0.00	0
					181,325		128,669		31,620
Lube Oil System									
Lube Oil System 2" & < - Pipe	1,275	1.91	TN	277.20	530	0.00	0	120.00	230
Lube Oil System 2 1/2" & > - Pipe	161	2.42	TN	207.90	502	0.00	0	120.00	290
Lube Oil Transfer/Return Pumps	2	1.50	TN	207.90	312	0.00	0	120.00	180
S.T. Lube Oil Reservoir	1	5.00	TN	207.90	1,040	0.00	0	120.00	600
Turbo L.O. Conditioner	1	1.00	TN	207.90	208	0.00	0	120.00	120
					2,591		0		1,419
Cranes and Hoists									
Power Block Gantry Crane	1	105.00	TN	207.90	21,830	0.00	0	120.00	12,600
Miscellaneous Monorails & Hoists	13	32.50	TN	207.90	6,757	0.00	0	120.00	3,900
					28,586		0		16,500
Combustion Turbine									
C.T. Atomizing Air Skids	1	22.50	TN	207.90	4,678	0.00	0	120.00	2,700
C.T. Exhaust Frame Cooling Fan Skids	1	6.00	TN	277.20	1,663	0.00	0	120.00	720
C.T. Starting Motor Skids	1	27.50	TN	277.20	7,623	0.00	0	120.00	3,300
C.T. Water Wash Skids	1	13.00	TN	277.20	3,604	0.00	0	120.00	1,560
C.T. Lube Oil Skids	1	53.50	TN	277.20	14,830	0.00	0	120.00	6,420
C.T. Fuel Gas Skids	1	44.00	TN	277.20	12,197	0.00	0	120.00	5,280
C.T. Halon Skids	1	2.50	TN	277.20	693	0.00	0	120.00	300
Make-Up Water StorageTank Fdn	140	140.00	CY	81.60	11,424	83.00	11,620	0.00	0
Demineralizer System	1	12.50	TN	277.20	3,465	0.00	0	120.00	1,500
Insulation	1	300.00	CY	63.00	18,900	19.00	5,700	0.00	0
Make-Up Water StorageTanks	1	85.00	TN	277.20	23,562	0.00	0	120.00	10,200
					102,539		17,320		31,980
Closed Cooling Water System									
Closed Cooling Water Heat Exchangers	2	25.57	TN	277.20	7,088	0.00	0	120.00	3,068
CCW System 2" & < - Pipe	3,712	5.57	TN	277.20	1,543	0.00	0	120.00	668
CCW System 2 1/2" & > - Pipe	4,907	73.61	TN	207.90	15,302	0.00	0	120.00	8,833
Closed Cooling Water Pumps	3	4.88	TN	207.90	1,014	0.00	0	120.00	585
					24,947		0		13,154
Account 343 Totals:					2,027,910		484,056		2,024,223
Account 344: Generators									
Steam Turbine Foundation Mat Concrete	714	714.00	CY	81.60	58,262	83.00	59,262	0.00	0
Steam Turbine Concrete Pedestal	620	620.00	CY	81.60	50,592	83.00	51,460	0.00	0
C.T. 3A Generator	1	157.00	TN	157.50	24,728	0.00	0	120.00	18,840
C.T. 3B Generator	1	157.00	TN	157.50	24,728	0.00	0	120.00	18,840
C.T. Generator Exit Skids	1	5.00	TN	207.90	1,040	0.00	0	120.00	600
Insulation	1	100.00	CY	63.00	6,300	19.00	1,900	0.00	0

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Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Generator Copper		18.00	TN	617.40	11,113	0.00	0	5,000.00	90,000
Generator	1	200.00	TN	157.50	31,500	0.00	0	120.00	24,000
Account 344 Totals:					208,262		112,622		152,280
Account 345: Accessory Electric Equipment									
Excitation System									
Generator Excitation Power Transformers	3	37.50	TN	207.90	7,796	0.00	0	120.00	4,500
Transformer Copper		15.00	TN	466.20	6,993	0.00	0	5,000.00	75,000
Instrumentation	925	9.25	TN	277.20	2,564	0.00	0	120.00	1,110
					17,353		0		80,610
Emergency Diesel Generators									
Diesel Generator Foundations	81	81.00	CY	81.60	6,610	83.00	6,723	0.00	0
Emergency Diesel Generator	1	5.02	TN	207.90	1,044	0.00	0	120.00	602
EDG System 2" & < - Pipe	30	0.05	TN	277.20	12	0.00	0	120.00	5
					7,666		6,723		608
Electrical Equipment									
Electrical Equipment Pads	412	412.00	CY	81.60	33,619	83.00	34,196	0.00	0
Station Battery, Charger & Panels	1	3.00	TN	277.20	832	0.00	0	120.00	360
Grounding & Cathodic Protection	1	75.00	TN	277.20	20,790	0.00	0	120.00	9,000
Grounding & Cathodic Protection	1	27.50	TN	277.20	7,623	0.00	0	120.00	3,300
Grounding Grid (Incl Pads, Rods)	25,000	6.25	TN	277.20	1,733	0.00	0	120.00	750
Lightning Protection	1	2.50	TN	277.20	693	0.00	0	120.00	300
Embedded Conduits	40,120	237.75	CY	312.80	74,368	0.00	0	0.00	0
Power & Control Conduits	108123	135.15	TN	277.20	37,465	0.00	0	120.00	16,218
Cable Tray	14654	183.18	TN	277.20	50,776	0.00	0	120.00	21,981
Concrete Duct Banks	2,110	2,110.00	CY	81.60	172,176	83.00	175,130	0.00	0
Electrical Manholes	25	69.44	CY	81.60	5,667	83.00	5,764	0.00	0
Isophase Bus	450	9.00	TN	277.20	2,495	0.00	0	120.00	1,080
Main Control Boards	1	13.33	TN	277.20	3,696	0.00	0	120.00	1,600
Miscellaneous Relay Panels	12	3.56	TN	277.20	986	0.00	0	120.00	427
Instrument Racks	122	12.20	TN	277.20	3,382	0.00	0	120.00	1,464
Annunciators	2	10.00	TN	277.20	2,772	0.00	0	120.00	1,200
Miscellaneous Power Transformers	1	27.50	TN	207.90	5,717	0.00	0	120.00	3,300
Transformer Copper		11.00	TN	466.20	5,128	0.00	0	5,000.00	55,000
480 V Load Centers	6	15.00	TN	277.20	4,158	0.00	0	120.00	1,800
480 V Motor Control Centers	8	20.00	TN	277.20	5,544	0.00	0	120.00	2,400
Power Cable - 8KV	56845	61.88	TN	756.00	46,778	0.00	0	2,100.00	129,939
Power Cable - Medium Voltage	246979	37.05	TN	756.00	28,007	0.00	0	2,100.00	77,798
Electrical Switchgear Foundations	441	441.00	CY	81.60	35,986	83.00	36,603	0.00	0
Non-Seg Bus	889	17.78	TN	277.20	4,929	0.00	0	120.00	2,134
4.16 KV Switchgear	4	10.00	TN	207.90	2,079	0.00	0	120.00	1,200
Control Cable	462517	16.19	TN	756.00	12,238	0.00	0	2,100.00	33,995
Instrumentation Cable	369710	9.24	TN	756.00	6,988	0.00	0	2,100.00	19,410
Distributed Control System	1	2.50	TN	447.30	1,118	0.00	0	120.00	300
					577,741		251,693		384,955
Account 345 Totals:					602,760		258,416		466,173

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Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Account 346: Miscellaneous Power Plant Equipment									
Compressed Air System									
Compressed Air Piping	7,245	10.87	TN	447.30	4,861	0.00	0	120.00	1,304
Instrument Air System - 2" & < Pipe	1,158	1.74	TN	277.20	481	0.00	0	120.00	208
Service Air System 2" & < Pipe	2,939	4.41	TN	277.20	1,222	0.00	0	120.00	529
Instrument Air System - 2 1/2" & > Pipe	480	2.40	TN	207.90	499	0.00	0	120.00	288
Service Air System 2 1/2" & > Pipe	485	2.43	TN	207.90	504	0.00	0	120.00	291
Service Air Compressors & Rec.	1	4.53	TN	277.20	1,256	0.00	0	120.00	544
Instrument Air Compressors, Rec., & Dryers	1	9.06	TN	277.20	2,511	0.00	0	120.00	1,087
					11,335		0		4,251
Other Equipment									
Plant Communications & Phones	1	2.00	TN	277.20	554	0.00	0	120.00	240
Heat Tracing	1	1.25	TN	277.20	347	0.00	0	120.00	150
Fire Protection/Detection Equipment	1	2.50	TN	277.20	693	0.00	0	120.00	300
Miscellaneous Electrical Items	1	20.00	TN	277.20	5,544	0.00	0	120.00	2,400
					7,138		0		3,090
Account 346 Totals:					18,473		0		7,341
Unit 3 Totals					4,717,323		1,903,783		3,093,716
Unit 4									
Account 341: Structures and Improvements									
Lighting and Fire Protection Systems									
Yard Lighting	1	5.50	TN	447.30	2,460	0.00	0	120.00	660
Plant Lighting	1	2.00	TN	447.30	895	0.00	0	120.00	240
Fire Protection System Foundation	5,325	213.00	CY	81.60	17,381	83.00	17,679	0.00	0
Sanitary Sewer Piping Foundations	1,230	18.22	CY	81.60	1,487	83.00	1,512	0.00	0
					22,222		19,191		900
Power Block									
Power Block - Structural Steel	1,044	1,044.00	TN	207.90	217,048	0.00	0	120.00	125,280
Base Plates Unit 4A	1	20.00	TN	207.90	4,158	0.00	0	120.00	2,400
Base Plates Unit 4B	1	20.00	TN	207.90	4,158	0.00	0	120.00	2,400
Power Block - Handrail, Toeblock, Misc.	1	5.00	TN	447.30	2,237	0.00	0	120.00	600
Power Block - Decking	40,212	301.59	TN	447.30	134,901	0.00	0	120.00	36,191
Power Block - Ladders, Stairs & Platforms	58	58.00	TN	447.30	25,943	0.00	0	120.00	6,960
HRSG Structural/Ductwork - Unit 3A	1	210.05	TN	277.20	58,226	0.00	0	120.00	25,206
HRSG Structural/Ductwork - Unit 3B	1	205.05	TN	277.20	56,840	0.00	0	120.00	24,606
Lighting Panels	1	0.03	TN	447.30	11	0.00	0	120.00	3
Power Block Grade Slab Concrete	2,102	2,102.00	CY	81.60	171,523	83.00	174,466	0.00	0
Power Block Structure Foundation Concrete	2,432	2,432.00	CY	81.60	198,451	83.00	201,856	0.00	0
Power Block Elevated Slabs	581	581.00	CY	81.60	47,410	83.00	48,223	0.00	0
HRSG Analyzer Buildings (2 ea)	540	200.00	CY	81.60	16,320	83.00	16,600	0.00	0
HRSG DCS Buildings (2 ea)	688	152.89	CY	81.60	12,476	83.00	12,690	0.00	0
					949,701		453,835		223,646

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Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Open Cooling Water System									
OCW System 2" & < - Pipe	277	0.42	TN	277.20	115	0.00	0	120.00	50
OCW System 2 1/2" & > - Pipe	774	42.57	TN	207.90	8,850	0.00	0	120.00	5,108
OCW Duplex Basket Strainers	1	0.15	TN	277.20	42	0.00	0	120.00	18
Open Cooling Water Pumps	1	11.80	TN	207.90	2,453	0.00	0	120.00	1,416
Open Cooling Water Booster Pumps	3	9.80	TN	207.90	2,038	0.00	0	120.00	1,176
					13,498		0		7,769
Pond Water System									
Pond Water System 2" & < - Pipe	165	0.25	TN	277.20	69	0.00	0	120.00	30
Pond Water System 2 1/2" & > - Pipe	822	4.11	TN	207.90	854	0.00	0	120.00	493
Pond Water Booster Pumps	1	3.27	TN	207.90	679	0.00	0	120.00	392
					1,602		0		915
Water Treatment System									
Service Water System 2" & < - Pipe	1,444	2.17	TN	207.90	600	0.00	0	120.00	260
Service Water System 2 1/2" & > - Pipe	460	2.30	TN	207.90	188	0.00	0	120.00	276
Service Water Pumps	1	0.57	TN	277.20	157	0.00	0	120.00	68
HRSG Blowdown Tank Sump	200	200.00	CY	81.60	16,320	83.00	16,600	0.00	0
Wastewater System 2" & < - Pipe	1,230	1.85	TN	277.20	511	0.00	0	120.00	221
Power Block Drainage Pipe Foundations	4,290	63.56	CY	32.64	2,074	83.00	5,275	0.00	0
Wastewater System 2 1/2" & > - Pipe	7,863	117.95	TN	207.90	24,521	0.00	0	120.00	14,153
Sump Pumps	35	8.75	TN	207.90	1,819	0.00	0	120.00	1,050
Sump Pumps & Miscellaneous	8	2.00	TN	207.90	416	0.00	0	120.00	240
Potable Water System	1,240	18.37	CY	32.64	600	83.00	1,525	0.00	0
Pipe Rack Drilled Piers - Concrete	657	657.00	CY	81.60	53,611	83.00	54,531	0.00	0
Switchgear Building	1	200.00	CY	81.60	16,320	83.00	16,600	0.00	0
					117,138		94,531		482,728
Account 341 Totals:					1,104,162		567,557		715,957
Account 342: Fuel Holders, Producers and Accessories									
Gas System									
Natural Gas System 2" & < - Pipe	33	0.05	TN	277.20	14	0.00	0	120.00	6
Gas Piping	1,495	82.23	TN	277.20	22,793	0.00	0	120.00	9,867
Natural Gas System 2 1/2" & > - Pipe	309	17.00	TN	207.90	3,533	0.00	0	120.00	2,039
Liquid Fuel System 2 1/2" & > - Pipe	1,642	24.63	TN	207.90	5,121	0.00	0	120.00	2,956
Account 342 Totals:					31,460		0		14,868
Acount 343: Prime Movers									
HRSG Foundation	1,212	1,212.00	CY	81.60	98,899	83.00	100,596	0.00	0
HRSG Mechanical - Unit 4A	1	158.80	TN	157.50	25,011	0.00	0	120.00	19,056
HRSG Mechanical - Unit 4B	1	162.30	TN	157.50	25,562	0.00	0	120.00	19,476
Mechanical Finishes - Casings	1	66.45	TN	207.90	13,815	0.00	0	120.00	7,974
Modules - Unit 4A	1	2,350.65	TN	157.50	370,227	0.00	0	120.00	282,078
Modules - Unit 4B	1	2,420.70	TN	157.50	381,260	0.00	0	120.00	290,484
HRSG Blowdown System 2 1/2" & > - Pipe	476	16.66	TN	207.90	3,464	0.00	0	120.00	1,999
Electrical &Controls - Unit 4A	1	27.50	TN	277.20	7,623	0.00	0	120.00	3,300

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Electrical &Controls - Unit 4B	1	27.50	TN	277.20	7,623	0.00	0	120.00	3,300
					933,485		100,596		627,867
Feedwater System									
Feedwater System 2" & < - Pipe	1,599	2.40	TN	277.20	665	0.00	0	120.00	288
Feedwater System 2 1/2" & > - Pipe	1,491	52.19	TN	207.90	10,849	0.00	0	120.00	6,262
HRSG HP Feedwater Pumps	4	8.25	TN	207.90	1,716	0.00	0	120.00	990
HRSG LP Feedwater Pumps	4	8.25	TN	207.90	1,716	0.00	0	120.00	990
HRSG Feed Pump Foudations Concrete	620	620.00	CY	81.60	50,592	83.00	51,460	0.00	0
Deaerator Make-Up Pumps	2	2.79	TN	207.90	579	0.00	0	120.00	334
H P Feed Pumps - Insulation	1,136	12.62	CY	63.00	795	19.00	240	0.00	0
L P Feed Pumps - Insulation	200	2.22	CY	63.00	140	19.00	42	0.00	0
L/B Feedwater Piping - Insulation	2,547	99.05	CY	63.00	6,240	19.00	1,882	0.00	0
					73,292		53,624		8,865
Combustion Turbine									
Combustion Turbine Fdn Concrete	1,682	1,682.00	CY	81.60	137,251	83.00	139,606	0.00	0
Condensate Pump Casings	2	0.50	TN	277.20	139	0.00	0	120.00	60
Miscellaneous Mechanical Equipment Fdns < 25cy	117	117.00	CY	81.60	9,547	83.00	9,711	0.00	0
C.T. Skid Mounted Equipment Fdn Concrete Pads	106	106.00	CY	81.60	8,650	83.00	8,798	0.00	0
C.T. 4A Combustion Turbine	1	188.50	TN	157.50	29,689	0.00	0	120.00	22,620
C.T. 4B Combustion Turbine	1	188.50	TN	157.50	29,689	0.00	0	120.00	22,620
C.T. 4A Insulation	1	28.89	CY	63.00	1,820	19.00	549	0.00	0
C.T. 4B Insulation	1	28.89	CY	63.00	1,820	19.00	549	0.00	0
C.T. Interconnect Pipe 2 1/2" & > - Pipe	3,092	108.22	TN	207.90	22,499	0.00	0	120.00	12,986
C.T. Interconnect Pipe 2 " & < - Pipe	6,592	9.89	TN	277.20	2,741	0.00	0	120.00	1,187
					243,844		159,213		59,473
Main Steam System									
Main Steam System 2 1/2" & > Pipe	4,605	1,036.13	TN	207.90	215,410	0.00	0	120.00	124,335
L/B Main Steam Piping - Insulation	4,398	171.03	CY	63.00	10,775	19.00	3,250	0.00	0
Aux Boiler System 2" & < - Pipe	525	0.79	TN	277.20	218	0.00	0	120.00	95
Aux Boiler System 2 1/2" & > - Pipe	200	3.00	TN	207.90	624	0.00	0	120.00	360
L/B Auxiliary Boiler Piping - Insulation	460	7.67	CY	63.00	483	19.00	146	0.00	0
L/B B.O.P. Piping - Insulation	228	3.80	CY	63.00	239	19.00	72	0.00	0
					227,750		3,468		124,790
Blowdown System									
HRSG Blowdown System 2" & Under - Pipe	463	0.69	TN	277.20	193	0.00	0	120.00	83
HRSG Blowdown Tanks	2	4.74	TN	207.90	985	0.00	0	120.00	569
Main Steam DrainTanks	2	2.88	TN	207.90	598	0.00	0	120.00	345
HRSG Blowdown Tanks - Insulation	322	3.58	CY	63.00	225	19.00	68	0.00	0
Steam Drain Tanks - Insulation	604	6.71	CY	63.00	423	19.00	128	0.00	0
Mechanical Finishes - Insulation	1	100.00	CY	63.00	6,300	19.00	1,900	0.00	0
					8,724		2,095		997
Steam Turbine									
Steam Turbines - Insulation	540	100.00	CY	63.00	6,300	19.00	1,900	0.00	0
Main Steam System 2" & < - Pipe	2,542	7.63	TN	277.20	2,114	0.00	0	120.00	915
Steam Turbine Base Plates	1	25.00	TN	157.50	3,938	0.00	0	120.00	3,000

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Steam Turbine & Accessories	1	175.00	TN	207.90	36,383	0.00	0	120.00	21,000
Hydraulic Power Unit	1	1.50	TN	207.90	312	0.00	0	120.00	180
Instrument Tubing	14,437	3.61	TN	277.20	1,000	0.00	0	120.00	433
					50,046		1,900		25,528
Condensate System									
Condensate System 2" & < - Pipe	1,377	2.07	TN	277.20	573	0.00	0	120.00	248
Condensate System 2 1/2" & > - Pipe	1,469	80.80	TN	207.90	16,797	0.00	0	120.00	9,695
L/B Condensate Piping - Insulation	2,016	33.60	CY	63.00	2,117	19.00	638	0.00	0
Condenser Vacuum Pump Skid & Equip	1	1.25	TN	207.90	260	0.00	0	120.00	150
Condensate Storage Tank Fdn	14	14.00	CY	81.60	1,142	83.00	1,162	0.00	0
Condensate Make-Up Pumps	1	0.75	TN	207.90	156	0.00	0	120.00	90
HRSG Chemical Fd. System 2" & < - Pipe	680	1.02	TN	277.20	283	0.00	0	120.00	122
HRSG Chemical Feed Skids	1	7.50	TN	207.90	1,559	0.00	0	120.00	900
Lube Oil Storage Tanks	1	3.26	TN	207.90	678	0.00	0	120.00	391
Miscellaneous Process Tanks	2	5.30	TN	207.90	1,102	0.00	0	120.00	636
CondensateTransfer System 2" & < - Pipe	1,434	2.15	TN	277.20	596	0.00	0	120.00	258
CondensateTransfer System 2 1/2" & > - Pipe	3,244	48.66	TN	207.90	10,116	0.00	0	120.00	5,839
Condensate Pumps	2	2.39	TN	207.90	497	0.00	0	120.00	287
Condensate Transfer Pumps	2	2.39	TN	207.90	497	0.00	0	120.00	287
Condensate Storage Tanks	1	1.20	TN	207.90	248	0.00	0	120.00	143
Bulk Gas System 2" & < - Pipe	3,861	5.79	TN	277.20	1,605	0.00	0	120.00	695
Condensers	1	264.40	TN	207.90	54,969	0.00	0	5,000.00	1,322,000
Gland Steam Condensers	1	2.50	TN	207.90	520	0.00	0	120.00	300
Condensate Air Rem System 2" & < - Pipe	839	1.26	TN	277.20	349	0.00	0	120.00	151
Condensate Air Rem System 2 1/2" & > - Pipe	235	3.53	TN	207.90	733	0.00	0	120.00	423
					94,797		1,800		1,342,816
Circulating Water System									
Circulating Water System 2" & < - Pipe	499	0.75	TN	277.20	207	0.00	0	120.00	90
Circulating Water System 2 1/2" & > - Pipe	106	1.59	TN	207.90	331	0.00	0	120.00	191
L/B Circulating Water Piping - Insulation	1	50.00	CY	63.00	3,150	19.00	950	0.00	0
Circulating Water Pumps	2	47.98	TN	277.20	13,299	0.00	0	120.00	5,757
C W Chem Tr System 2" & < - Pipe	300	0.45	TN	277.20	125	0.00	0	120.00	54
24" Diameter ICW Pipe	60	26.67	CY	312.80	8,341	0.00	0	0.00	0
84" Diameter ICW Pipe	250	388.89	CY	312.80	121,644	0.00	0	0.00	0
Concrete - Cofferdam Area	295	295.00	CY	81.60	24,072	83.00	24,485	0.00	0
66" Diameter Inground CW Pipe	10	12.22	CY	312.80	3,823	0.00	0	0.00	0
					174,992		25,435		6,092
Screen Wash System									
Intake Bar Rack & Cleaning Rake	1	2.50	TN	277.20	693	0.00	0	120.00	300
Intake Traveling Screens	1	16.00	TN	277.20	4,435	0.00	0	120.00	1,920
Screen Wash Bubbler System Equipment	1	0.50	TN	277.20	139	0.00	0	120.00	60
Screen Wash System 2" & < - Pipe	29	0.04	TN	277.20	12	0.00	0	120.00	5
Screen Wash System 2 1/2" & > - Pipe	166	0.83	TN	207.90	173	0.00	0	120.00	100
Screen Wash Pumps	1	0.77	TN	207.90	160	0.00	0	120.00	92
					5,611		0		2,477
HRSG Stack									

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
HRSG Stack Foundation Concrete	1,550	1,550.00	CY	81.60	126,480	83.00	128,650	0.00	0
Stack - Unit 4A	1	131.75	TN	207.90	27,391	0.00	0	120.00	15,810
Stack - Unit 4B	1	131.75	TN	207.90	27,391	0.00	0	120.00	15,810
Gland Steam Condenser - Insulation	90	1.00	CY	63.00	63	19.00	19	0.00	0
					181,325		128,669		31,620
Lube Oil System									
Lube Oil System - 2" & < Pipe	1,090	1.64	TN	277.20	453	0.00	0	120.00	196
Lube Oil System - 2 1/2" & > Pipe	172	2.58	TN	207.90	536	0.00	0	120.00	310
Lube Oil Transfer/Return Pumps	2	1.50	TN	207.90	312	0.00	0	120.00	180
S.T. Lube Oil Reservoir	1	5.00	TN	207.90	1,040	0.00	0	120.00	600
Turbo Lube Oil Conditioner	1	1.00	TN	207.90	208	0.00	0	120.00	120
					2,549		0		1,406
Cranes and Hoists									
Miscellaneous Monorails & Hoists	13	32.50	TN	277.20	9,009	0.00	0	120.00	3,900
Combustion Turbine									
C.T. Atomizing Air Skids	1	22.50	TN	277.20	6,237	0.00	0	120.00	2,700
C.T. Exhaust Frame Cooling Fan Skids	1	6.00	TN	277.20	1,663	0.00	0	120.00	720
C.T. Starting Motor Skids	1	27.50	TN	277.20	7,623	0.00	0	120.00	3,300
C.T. Water Wash Skids	1	13.00	TN	277.20	3,604	0.00	0	120.00	1,560
C.T. Lube Oil Skids	1	53.50	TN	277.20	14,830	0.00	0	120.00	6,420
C.T. Fuel Gas Skids	1	44.00	TN	277.20	12,197	0.00	0	120.00	5,280
Insulation	1	300.00	CY	63.00	18,900	19.00	5,700	0.00	0
C.T. Halon Skids	1	2.50	TN	277.20	693	0.00	0	120.00	300
					65,747		5,700		20,280
Closed Cooling Water System									
Closed Cooling Water Heat Exchanger	2	25.57	TN	277.20	7,088	0.00	0	120.00	3,068
CCW System 2 " & < - Pipe	3,678	5.52	TN	277.20	1,529	0.00	0	120.00	662
CCW System 2 1/2" & > - Pipe	4,868	73.02	TN	207.90	15,181	0.00	0	120.00	8,762
Closed Cooling Water Pumps	3	4.88	TN	207.90	1,014	0.00	0	120.00	585
					24,812		0		13,078
Account 343 Totals					2,095,983		482,500		2,268,789
Account 344: Generators									
Steam Turbine Foundation Mat Concrete	734	734.00	CY	81.60	59,894	83.00	60,922	0.00	0
Steam Turbine Pedestal Concrete	620	620.00	CY	81.60	50,592	83.00	51,460	0.00	0
C.T. 4A Generator	1	157.00	TN	157.50	24,728	0.00	0	120.00	18,840
C.T. 4B Generator	1	157.00	TN	157.50	24,728	0.00	0	120.00	18,840
C.T. Generator Exit Skids	1	5.00	TN	157.50	788	0.00	0	120.00	600
Generator Copper		18.00	TN	617.40	11,113	0.00	0	5,000.00	90,000
Generator	1	200.00	TN	157.50	31,500	0.00	0	120.00	24,000
Account 344 Totals					203,342		112,382		152,280
Account 345: Accessory Electric Equipment									

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Excitation Equipment									
Generator Excitation Power Transformers	3	37.50	TN	207.90	10,395	0.00	0	120.00	4,500
Transformer Copper		15.00	TN	466.20	6,993	0.00	0	5,000.00	75,000
Instrumentation	861	8.61	TN	277.20	703	0.00	0	120.00	1,033
					18,091		0		80,533
Electrical Equipment									
Electrical Equipment Pads Concrete	75	75.00	CY	81.60	6,120	83.00	6,225	0.00	0
Uninterruptible Power Supply	1	0.50	TN	277.20	139	0.00	0	120.00	60
Station Battery Charger & Panels	1	3.00	TN	277.20	832	0.00	0	120.00	360
Grounding & Cathodic Protection	1	27.50	TN	277.20	7,623	0.00	0	120.00	3,300
Grounding Grid (Incl. Pads Rods)	22,135	5.53	TN	277.20	1,534	0.00	0	120.00	664
Lightning Protection	1	2.50	TN	277.20	693	0.00	0	120.00	300
Embedded Conduits Foundations	38,870	230.34	CY	81.60	18,796	83.00	19,118	0.00	0
Power & Control Conduits	87728	109.66	TN	277.20	30,398	0.00	0	120.00	13,159
Cable Tray	12173	152.16	TN	277.20	42,179	0.00	0	120.00	18,260
Concrete Duct Banks	2,261	2,261.00	CY	81.60	184,498	83.00	187,663	0.00	0
Electrical Manholes	15	41.67	CY	32.64	1,360	83.00	3,458	0.00	0
Isophase Bus	450	9.00	TN	277.20	2,495	0.00	0	120.00	1,080
Main Control Boards	1	13.33	TN	277.20	3,696	0.00	0	120.00	1,600
Miscellaneous Relay Panels	12	3.56	TN	277.20	986	0.00	0	120.00	427
Instrument Racks	108	10.80	TN	277.20	2,994	0.00	0	120.00	1,296
Annunciators	1	5.00	TN	277.20	1,386	0.00	0	120.00	600
Miscellaneous Power Transformers	1	27.50	TN	277.20	7,623	0.00	0	120.00	3,300
208/120V AC Distribution Panels	3	0.89	TN	277.20	246	0.00	0	120.00	107
480 V Load Centers	3	7.50	TN	277.20	2,079	0.00	0	120.00	900
480 V Motor Control Centers	7	17.50	TN	277.20	4,851	0.00	0	120.00	2,100
480V AC Distribution Panels	1	3.30	TN	277.20	915	0.00	0	120.00	396
Power Cable - 8KV	57676	60.65	TN	756.00	45,849	0.00	0	120.00	7,278
Power Cable - Medium Voltage	202791	30.42	TN	756.00	22,996	0.00	0	120.00	3,650
Electrical Switchgear Foundation Concrete	441	441.00	CY	81.60	35,986	83.00	36,603	0.00	0
Non-Seg Bus	889	17.78	TN	277.20	4,929	0.00	0	120.00	2,134
4.16 KV Switchgear	3	7.50	TN	277.20	2,079	0.00	0	120.00	900
Control Cable	459512	16.08	TN	756.00	12,159	0.00	0	120.00	1,930
Instrumentation Cable	296221	7.41	TN	756.00	5,599	0.00	0	120.00	889
Distributed Control System	1	2.50	TN	277.20	693	0.00	0	120.00	300
					451,730		253,068		84,988
Account 345 Totals					469,820		253,068		145,521
Account 346: Miscellaneous Plant Equipment									
Compressed Air Piping	7,163	10.74	TN	277.20	2,978	0.00	0	120.00	1,289
Instrument Air System 2" & < Pipe	97	0.15	TN	277.20	40	0.00	0	120.00	17
Service Air System 2 " & < Pipe	1,900	2.85	TN	277.20	790	0.00	0	120.00	342
Instrument Air System 2 1/2" & > Pipe	313	1.57	TN	207.90	325	0.00	0	120.00	188
Service Air System 2 1/2" & > Pipe	365	1.83	TN	207.90	379	0.00	0	120.00	219
Instrument Air Compressors, Rec, & Dryers	1	9.06	TN	277.20	2,511	0.00	0	120.00	1,087
Plant Communications & Phones	1	2.00	TN	277.20	554	0.00	0	120.00	240
Heat Tracing	1	1.25	TN	277.20	347	0.00	0	120.00	150
Fire Protection/Detection Equipment	1	2.50	TN	277.20	693	0.00	0	120.00	300

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Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Miscellaneous Electrical Items	1	20.00	TN	277.20	5,544	0.00	0	120.00	2,400
Account 346 Totals					14,163		0		6,233
Unit 4 Totals					3,918,930		1,415,507		3,303,648
Unit 3 & 4 Totals					8,636,254		3,319,290		6,397,384
Unit 8									
Account 341: Structures and Improvements									
Lighting and Fire Protection Systems									
Yard Lighting	1	5.50		447.30	2,460	0.00	0	120.00	660
Plant Lighting	1	2.00		447.30	895	0.00	0	120.00	240
Fire Protection System Foundation	1,325	53.00		81.60	4,325	83.00	4,399	0.00	0
Sanitary Sewer Piping Foundations	1,230	18.22		81.60	1,487	83.00	1,512	0.00	0
					9,166		5,911		900
Power Block									
Power Block - Structural Steel	1,044	1,044.00		207.90	217,048	0.00	0	120.00	125,280
Base Plates Unit 8	4	80.00		207.90	16,632	0.00	0	120.00	9,600
Power Block - Handrail, Toeblock, Misc.	2	10.00		447.30	4,473	0.00	0	120.00	1,200
Power Block - Decking	80,424	603.18		447.30	269,802	0.00	0	120.00	72,382
Power Block - Ladders, Stairs & Platforms	116	116.00		447.30	51,887	0.00	0	120.00	13,920
HRSG Structural/Ductwork - Unit 8	4	840.20		277.20	232,903	0.00	0	120.00	100,824
Power Block Grade Slab Concrete	2,000	2,000.00		81.60	163,200	83.00	166,000	0.00	0
Power Block Structure Foundation Concrete	3,000	3,000.00		81.60	244,800	83.00	249,000	0.00	0
Power Block Elevated Slabs	650	650.00		81.60	53,040	83.00	53,950	0.00	0
HRSG Analyzer Building	500	200.00		32.64	6,528	83.00	16,600	0.00	0
HRSG DCS Building	500	111.11		32.64	3,627	83.00	9,222	0.00	0
					1,263,940		494,772		323,206
Open Cooling Water System									
OCW System 2" & < - Pipe	450	0.68		277.20	187	0.00	0	120.00	81
OCW System 2 1/2" & > - Pipe	1,500	82.50		207.90	17,152	0.00	0	120.00	9,900
OCW Duplex Basket Strainers	4	0.80		277.20	166	0.00	0	120.00	72
Open Cooling Water Pumps	4	47.20		207.90	9,813	0.00	0	120.00	5,664
Open Cooling Water Booster Pumps	3	9.80		207.90	2,038	0.00	0	120.00	1,176
					29,356		0		16,893
Pond Water System									
Pond Water System 2" & < - Pipe	330	0.50		277.20	137	0.00	0	120.00	59
Pond Water System 2 1/2" & > - Pipe	1,225	6.13		207.90	1,273	0.00	0	120.00	735
Pond Water Booster Pumps	2	6.54		207.90	1,359	0.00	0	120.00	784
					2,769		0		1,579
Water Treatment System									
Service Water System 2" & < - Pipe	2,800	4.20		207.90	1,164	0.00	0	120.00	504
Service Water System 2 1/2" & > - Pipe	900	4.50		207.90	367	0.00	0	120.00	540
Service Water Pumps	4	2.27		277.20	629	0.00	0	120.00	272
HRSG Blowdown Tank Sump	150	150.00		81.60	12,240	83.00	12,450	0.00	0
Wastewater System 2" & < - Pipe	1,230	1.85		277.20	511	0.00	0	120.00	221

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Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Power Block Drainage Pipe Foundations	2,148	31.82		32.64	1,039	83.00	2,641	0.00	0
Wastewater System 2 1/2" & > - Pipe	15,600	234.00		207.90	48,649	0.00	0	120.00	28,080
Sump Pumps	42	10.50		207.90	2,183	0.00	0	120.00	1,260
Sump Pumps & Miscellaneous	12	3.00		207.90	624	0.00	0	120.00	360
Potable Water System	1,000	14.81		32.64	484	83.00	1,230	0.00	0
Pipe Rack Drilled Piers - Concrete	600	600.00		81.60	48,960	83.00	49,800	0.00	0
					116,850		66,121		31,238
Account 341 Totals:					1,422,081		566,805		373,815
Acount 342: Fuel Holders									
Light Oil Tank - LO 1/A Tank 48,000 BBLs	1	220.00	TN	n/a	34,090	n/a	0	120.00	26,400
Light Oil Tank - LO 1/B Tank 48,000 BBLs		220.00	TN	n/a	34,090				
Light Oil Tank - Cleaning	1	n/a	n/a	n/a	0	n/a	90,220	n/a	0
Light Oil Tank - Soil Remediation	1	n/a	n/a	n/a	0	n/a	19,278	n/a	0
Demolition of Foundation	1	n/a	n/a	n/a	0	n/a	980,122	n/a	0
					68,180		1,089,620		26,400
Account 342 Totals					68,180		1,089,620		26,400
Acount 343: Prime Movers									
HRSG Foundation	404	404.00	CY	81.60	32,966	83.00	33,532	0.00	0
HRSG Mechanical - Unit 8	4	635.20	TN	157.50	100,044	0.00	0	120.00	76,224
Mechanical Finishes - Casings	1	66.45	TN	207.90	13,815	0.00	0	120.00	7,974
Modules - Unit 8	4	9,402.60	TN	157.50	1,480,910	0.00	0	120.00	1,128,312
HRSG Blowdown System 2 1/2" & > - Pipe	800	28.00	TN	207.90	5,821	0.00	0	120.00	3,360
Electrical &Controls - Unit 8	2	55.00	TN	277.20	15,246	0.00	0	120.00	6,600
					1,648,802		33,532		1,222,470
Feedwater System									
Feedwater System 2" & < - Pipe	3,000	4.50	TN	277.20	1,247	0.00	0	120.00	540
Feedwater System 2 1/2" & > - Pipe	2,500	87.50	TN	207.90	18,191	0.00	0	120.00	10,500
HRSG HP Feedwater Pumps	3	55.80	TN	207.90	11,601	0.00	0	120.00	6,696
HRSG LP Feedwater Pumps	3	55.80	TN	207.90	11,601	0.00	0	120.00	6,696
HRSG Feed Pump Foudations Concrete	300	300.00	CY	81.60	24,480	83.00	24,900	0.00	0
H P Feed Pumps - Insulation	1,200	44.44	CY	63.00	2,800	19.00	844	0.00	0
L P Feed Pumps - Insulation	900	33.33	CY	63.00	2,100	19.00	633	0.00	0
L/B Feedwater Piping - Insulation	2,600	101.11	CY	63.00	6,370	19.00	1,921	0.00	0
					78,390		28,299		24,432
Blowdown System									
HRSG Blowdown System 2" & Under - Pipe	900	1.35	TN	277.20	374	0.00	0	120.00	162
HRSG Blowdown Tanks	4	9.48	TN	207.90	1,971	0.00	0	120.00	1,138
Main Steam DrainTanks	4	5.75	TN	207.90	1,195	0.00	0	120.00	690
HRSG Blowdown Tanks - Insulation	600	6.67	CY	63.00	420	19.00	127	0.00	0
Steam Drain Tanks - Insulation	1,200	13.33	CY	63.00	840	19.00	253	0.00	0
Mechanical Finishes - Insulation	2	100.00	CY	63.00	6,300	19.00	1,900	0.00	0
					11,101		2,280		1,990
Steam Turbine									
Steam Turbines - Insulation	1,100	40.74	CY	63.00	2,567	19.00	774	0.00	0

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Main Steam System 2" & < - Pipe	5,100	15.30	TN	277.20	4,241	0.00	0	120.00	1,836
Steam Turbine Base Plates	2	50.00	TN	157.50	7,875	0.00	0	120.00	6,000
Steam Turbine & Accessories	2	350.00	TN	207.90	72,765	0.00	0	120.00	42,000
Hydraulic Power Unit	2	3.00	TN	207.90	624	0.00	0	120.00	360
Instrument Tubing	25,000	6.25	TN	277.20	1,733	0.00	0	120.00	750
					89,804		774		50,946
Condensate System									
Condensate System 2" & < Pipe	2,500	3.75	TN	277.20	1,040	0.00	0	120.00	450
Condensate System 2 1/2" & > Pipe	3,000	165.00	TN	277.20	45,738	0.00	0	120.00	19,800
L/B Cond. & B.D. Piping - Insulation	4,000	66.67	CY	63.00	4,200	19.00	1,267	0.00	0
Condenser Vacuum Pump Skid & Equipment	2	2.50	TN	207.90	520	0.00	0	120.00	300
Condensate Storage Tank Foundation	140	140.00	CY	81.60	11,424	83.00	11,620	0.00	0
Condensate Make-up Pumps	2	1.50	TN	207.90	312	0.00	0	120.00	180
HRSG Chemical FD System 2" & < - Pipe	1,300	1.95	TN	277.20	541	0.00	0	120.00	234
HRSG Chemical Feed Skids	2	15.00	TN	277.20	4,158	0.00	0	120.00	1,800
Lube Oil Storage Tanks	2	6.52	TN	277.20	1,807	0.00	0	120.00	782
Miscellaneous Process Tanks	4	10.60	TN	277.20	2,938	0.00	0	120.00	1,272
Condensate Transfer System 2" & < - Pipe	2,500	3.75	TN	277.20	1,040	0.00	0	120.00	450
Condensate Transfer System 2 1/2" & > - Pipe	6,500	97.50	TN	207.90	20,270	0.00	0	120.00	11,700
Condensate Pumps	4	62.80	TN	207.90	13,056	0.00	0	120.00	7,536
Condensate Transfer Pumps	4	4.78	TN	207.90	994	0.00	0	120.00	574
Condensate Storage Tanks	2	2.39	TN	277.20	663	0.00	0	120.00	287
Bulk Gas System 2" & < - Pipe	7,000	10.50	TN	277.20	2,911	0.00	0	120.00	1,260
Condensers	2	332.50	TN	207.90	69,127	0.00	0	2,000.00	665,000
Gland Steam Condensers	2	5.00	TN	207.90	1,040	0.00	0	120.00	600
Condensate Air Rem System 2" & < - Pipe	1,500	2.25	TN	207.90	468	0.00	0	120.00	270
Condensate Air Rem System 2" & > - Pipe	400	0.60	TN	277.20	166	0.00	0	120.00	72
					182,410		12,887		712,567
Combustion Turbine									
Combustion Turbine Fdn Mat Concrete	0	885.06	CY	81.60	72,221	83.00	73,460	0.00	0
Condensate Pump Caings	4	4.00	TN	207.90	832	0.00	0	120.00	480
Misc. Mechanical Equipment Fdn Concrete	1	150.00	CY	81.60	12,240	83.00	12,450	0.00	0
CT Equipment Fdn Concrete Pads	0	148.50	CY	81.60	12,118	83.00	12,326	0.00	0
C.T. 8 Combustion Turbine	4	754.00	TN	157.50	118,755	0.00	0	120.00	90,480
CT 8 Insulation	1	180.00	CY	63.00	11,340	19.00	3,420	0.00	0
C.T. Interconnect Pipe 1 1/2" & >	1	210.00	TN	277.20	58,212	0.00	0	120.00	25,200
C.T. Interconnect Pipe 1 1/2" & <	1	9.50	TN	277.20	2,633	0.00	0	120.00	1,140
					288,350		101,655		117,300
Main Steam System									
Main Steam System 2 1/2" & > - PIPE	7,500	1,687.50	TN	207.90	350,831	0.00	0	120.00	202,500
L/B Main Steam Piping - Insulation	5,600	217.78	CY	63.00	13,720	19.00	4,138	0.00	0
Aux Boiler System 2" & < - Pipe	1,000	1.50	TN	277.20	416	0.00	0	120.00	180
Aux Boiler System 2 1/2" & > - Pipe	400	6.00	TN	277.20	1,663	0.00	0	120.00	720
L/B Auxiliary Boiler Piping - Insulation	900	15.00	CY	63.00	945	19.00	285	0.00	0
L/B B.O.P. Piping - Insulation	450	7.50	CY	63.00	473	19.00	143	0.00	0
					368,048		4,565		203,400

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Circulating Water System									
Circulating Water System 2" & < - Pipe	749	1.12	TN	207.90	233	0.00	0	120.00	135
Circulating Water System 2 1/2" & > - Pipe	159	2.39	TN	277.20	661	0.00	0	120.00	286
L/B Circulating Water Piping - Insulation	8	0.31	CY	207.90	65	19.00	6	0.00	0
Circulating Water Pumps	2	47.98	TN	63.00	3,022	0.00	0	120.00	5,757
C W Chem Tr System 2" & < - Pipe	500	0.75	TN	207.90	156	0.00	0	120.00	90
24" Diameter ICW Pipe	100	44.44	CY	312.80	13,902	83.00	3,689	0.00	0
84" Diameter ICW Pipe	400	622.22	CY	312.80	194,631	83.00	51,644	0.00	0
Concrete - Cofferdam Area	350	350.00	CY	32.64	11,424	83.00	29,050	0.00	0
66" Diameter Inground CW Pipe	20	24.44	CY	312.80	7,646	83.00	2,029	0.00	0
					231,741		86,418		6,268
HRSG Stack									
HRSG Stack Foundation Concrete	650	650.00	CY	81.60	53,040	83.00	53,950	0.00	0
Stacks - Unit 8	4	527.00	TN	207.90	109,563	0.00	0	120.00	63,240
Gland Steam Condenser - Insulation	200	66.67	CY	63.00	4,200	19.00	1,267	0.00	0
					166,803		55,217		63,240
Lube Oil System									
Lube Oil System 2" & < - Pipe	2,000	3.00	TN	277.20	832	0.00	0	120.00	360
Lube Oil System 2 1/2" & > - Pipe	350	5.25	TN	207.90	1,091	0.00	0	120.00	630
Lube Oil Transfer/Return Pumps	2	1.50	TN	207.90	312	0.00	0	120.00	180
S.T. Lube Oil Reservoir	2	10.00	TN	207.90	2,079	0.00	0	120.00	1,200
Turbo L.O. Conditioner	2	2.00	TN	207.90	416	0.00	0	120.00	240
					4,730		0		2,610
Closed Cooling Water System									
Closed Cooling Water Heat Exchanger	2	29.34	TN	277.20	8,132	0.00	0	120.00	3,521
CCW System 2 " & < - Pipe	3,678	5.52	TN	277.20	1,529	0.00	0	120.00	662
CCW System 2 1/2" & > - Pipe	4,868	73.02	TN	207.90	15,181	0.00	0	120.00	8,762
Closed Cooling Water Pumps	3	4.88	TN	207.90	1,014	0.00	0	120.00	585
					25,856		0		13,530
Account 343 Totals:					3,096,036		325,627		2,418,752
Account 344: Generators									
Steam Turbine Foundation Mat Concrete	400	400.00	CY	81.60	32,640	83.00	33,200	0.00	0
Steam Turbine Concrete Pedestal	310	310.00	CY	81.60	25,296	83.00	25,730	0.00	0
C.T. 8 Generator	4	628.00	TN	157.50	98,910	0.00	0	120.00	75,360
C.T. Generator Exit Skids	1	5.00	TN	207.90	1,040	0.00	0	120.00	600
Generator Copper	5	90.00	TN	617.40	55,566	0.00	0	5,000.00	450,000
Generator	5	1,000.00	TN	157.50	157,500	0.00	0	120.00	120,000
					370,952		58,930		645,960
Cooling Tower									
Cooling Tower	1	1,360.00	TN	447.30	608,328	0.00	0	120.00	163,200
Reinf Conc	0	182.60	CY	81.60	14,900	83.00	15,155	0.00	0
					623,228		15,155		163,200

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Account 344 Totals:					994,179		74,085		809,160
Account 345: Accessory Electric Equipment									
Electrical Power Cable	2	10.00	TN	277.20	2,772	0.00	0	2,100.00	21,000
Electrical Control Cable	2	5.00	TN	277.20	1,386	0.00	0	2,100.00	10,500
Station Transformer	2	77.00	TN	277.20	21,344	0.00	0	120.00	9,240
CT Step-up Transformer	2	93.12	TN	277.20	25,813	0.00	0	120.00	11,174
Control Center-off base	2	54.00	TN	277.20	14,969	0.00	0	120.00	6,480
Miscellaneous Materials + 5%	1	11.96	TN	277.20	3,314	0.00	0	120.00	1,435
					69,598		0		59,829
Excitation Equipment									
Generator Excitation Power Transformers	3	37.50	TN	207.90	10,395	0.00	0	120.00	4,500
Transformer Copper		25.00	TN	466.20	11,655	0.00	0	5,000.00	125,000
Instrumentation	861	8.61	TN	277.20	703	0.00	0	120.00	1,033
					22,753		0		130,533
Electrical Equipment									
Electrical Equipment Pads Concrete	50	50.00	CY	81.60	4,080	83.00	4,150	0.00	0
Uninterruptible Power Supply	1	0.50	TN	277.20	139	0.00	0	120.00	60
Station Battery Charger & Panels	2	6.00	TN	277.20	1,663	0.00	0	120.00	720
Grounding & Cathodic Protection	5	137.50	TN	277.20	38,115	0.00	0	120.00	16,500
Grounding Grid (Incl. Pads Rods)	22,135	5.53	TN	277.20	1,534	0.00	0	120.00	664
Lightning Protection	1	2.50	TN	277.20	693	0.00	0	120.00	300
Embedded Conduits Foundations	75,000	444.44	CY	81.60	36,267	83.00	36,889	0.00	0
Power & Control Conduits	87728	109.66	TN	277.20	30,398	0.00	0	120.00	13,159
Cable Tray	18259.5	228.24	TN	277.20	63,269	0.00	0	120.00	27,389
Concrete Duct Banks	3,000	3,000.00	CY	81.60	244,800	83.00	249,000	0.00	0
Electrical Manholes	23	62.50	CY	32.64	2,040	83.00	5,188	0.00	0
Isophase Bus	2,250	45.00	TN	277.20	12,474	0.00	0	120.00	5,400
Main Control Boards	2	20.00	TN	277.20	5,544	0.00	0	120.00	2,400
Miscellaneous Relay Panels	18	5.33	TN	277.20	1,478	0.00	0	120.00	640
Instrument Racks	162	16.20	TN	277.20	4,491	0.00	0	120.00	1,944
Annunciators	1	5.00	TN	277.20	1,386	0.00	0	120.00	600
Miscellaneous Power Transformers	1	27.50	TN	277.20	7,623	0.00	0	120.00	3,300
208/120V AC Distribution Panels	3	0.89	TN	277.20	246	0.00	0	120.00	107
480 V Load Centers	3	7.50	TN	277.20	2,079	0.00	0	120.00	900
480 V Motor Control Centers	17	42.50	TN	277.20	11,781	0.00	0	120.00	5,100
480V AC Distribution Panels	3	3.30	TN	277.20	915	0.00	0	120.00	396
Power Cable - 8KV	86514	90.97	TN	756.00	68,773	0.00	0	2,100.00	191,036
Power Cable - Medium Voltage	304186.5	45.63	TN	756.00	34,495	0.00	0	2,100.00	95,819
Electrical Switchgear Foundation Concrete	882	882.00	CY	81.60	71,971	83.00	73,206	0.00	0
Non-Seg Bus	889	17.78	TN	277.20	4,929	0.00	0	120.00	2,134
4.16 KV Switchgear	3	7.50	TN	277.20	2,079	0.00	0	120.00	900
Control Cable	689268	24.12	TN	756.00	18,238	0.00	0	2,100.00	50,661
Instrumentation Cable	393973.93	9.85	TN	756.00	7,446	0.00	0	2,100.00	20,684
Distributed Control System	2	5.00	TN	277.20	1,386	0.00	0	120.00	600
					680,331		368,432		441,412

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Emergency Diesel Generators									
Diesel Generator Foundations	81	81.00	CY	81.60	6,610	83.00	6,723	0.00	0
Emergency Diesel Generator	1	5.02	TN	207.90	1,044	0.00	0	120.00	602
EDG System 2" & <- Pipe	30	0.05	TN	277.20	12	0.00	0	120.00	5
					7,666		6,723		608
Account 345 Totals					780,348		375,155		632,382
Account 346: Miscellaneous Plant Equipment									
Compressed Air Piping	10,028	15.04	TN	277.20	4,170	0.00	0	120.00	1,805
Instrument Air System 2" & < Pipe	136	0.20	TN	277.20	56	0.00	0	120.00	24
Service Air System 2 " & < Pipe	2,660	3.99	TN	277.20	1,106	0.00	0	120.00	479
Instrument Air System 2 1/2" & > Pipe	438	2.19	TN	277.20	607	0.00	0	120.00	263
Service Air System 2 1/2" & > Pipe	548	2.74	TN	277.20	759	0.00	0	120.00	329
Instrument Air Compressors, Rec, & Dryers	2	13.59	TN	277.20	3,767	0.00	0	120.00	1,631
Plant Communications & Phones	2	3.00	TN	277.20	832	0.00	0	120.00	360
Heat Tracing	2	1.88	TN	277.20	520	0.00	0	120.00	225
Fire Protection/Detection Equipment	2	3.75	TN	277.20	1,040	0.00	0	120.00	450
Miscellaneous Electrical Items	2	20.00	TN	277.20	5,544	0.00	0	120.00	2,400
Account 346 Totals					18,400		0		7,966
Unit 8 Totals					6,379,225		2,431,293		4,268,476
Grand Totals for Martin Combined Cycle					15,015,478		5,750,583		10,665,840
Martin Solar Units									
Account 341 Structures and Improvements									
Yard Improvements									
Yard Lighting	2	2.50	TN	277.20	693	0.00	0	120.00	300
Fencing	2	2.50	TN	277.20	693	0.00	0	120.00	300
Barrier Wall	2	2.50	CY	81.60	204	83.00	208	0.00	0
Bridges	1	1.00	TN	207.90	208	0.00	0	120.00	120
Bridges Foundations	1	1,341.00	CY	81.60	109,426	83.00	111,303	0.00	0
Roads	1	51.00	CY	81.60	4,162	83.00	4,233	0.00	0
Parking Lot/Surfacing	1	51.00	CY	81.60	4,162	83.00	4,233	0.00	0
					119,547		119,977		720
Account 343 Prime Movers									
Solar Thermal System									
Foundation	10,028	7,459.13	CY	81.60	608,665	83.00	619,108		
Support Structure	136	0.20	TN	157.50	32	0.00	0	120.00	24
Mirrors	2,660	3.99	TN	277.20	1,106	0.00	0	120.00	479
Cantilever Arms	125	2,636.75	TN	277.20	730,907	0.00	0	120.00	316,410
Torque Tube - Structural	125	9,344.19	TN	277.20	2,590,209	0.00	0	120.00	1,121,303
UVAC (HCE's) Support	125	1,556.50	TN	277.20	431,462	0.00	0	120.00	186,780
Drive Pylons	125	2,247.19	TN	277.20	622,920	0.00	0	120.00	269,663
End Pylon	125	194.50	TN	277.20	53,915	0.00	0	120.00	23,340

Martin Other Production Units Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	QUANTITIES	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Shared Pylons	125	166.38	TN	277.20	46,119	0.00	0	120.00	19,965
Normal Pylons (Middle)	125	1,474.88	TN	277.20	408,835	0.00	0	120.00	176,985
Large Bore Pipe	1	1,947.00	TN	277.20	539,708	0.00	0	120.00	233,640
Small Bore Pipe	1	0.00	TN	277.20	0	0.00	0	120.00	0
Pipe Supports	1	1,476.00	TN	277.20	409,147	0.00	0	120.00	177,120
Pipe Rack Solar to Heat Exchangers									
Foundation	1	872.80	CY	81.60	71,220	83.00	72,442	0.00	0
Pipe Rack	1	71.00	TN	207.90	14,761	0.00	0	120.00	8,520
Heat collection Element (tube)	438	2.19	TN	277.20	607	0.00	0	120.00	263
Solar Collection Element (steel frame)	548	2.74	TN	277.20	759	0.00	0	120.00	329
Pumps	2	13.59	TN	277.20	3,767	0.00	0	120.00	1,631
Relief Valves	2	3.00	TN	277.20	832	0.00	0	120.00	360
Motor Operated Valves	2	1.88	TN	277.20	520	0.00	0	120.00	225
Heat Exchangers	2	3.75	TN	277.20	1,040	0.00	0	120.00	450
Motors	2	20.00	TN	277.20	5,544	0.00	0	120.00	2,400
Motor Control Center	10,028	50.14	TN	277.20	13,899	0.00	0	120.00	6,017
Control Instrumentation	136	0.68	TN	277.20	188	0.00	0	120.00	81
Cathodic Protection System	2,660	3.99	TN	277.20	1,106	0.00	0	120.00	479
Piping	438	0.66	TN	277.20	182	0.00	0	120.00	79
Fiber Optics Network	548	0.82	TN	447.30	367	0.00	0	120.00	99
Expansion Tanks	2	3.75	TN	277.20	1,040	0.00	0	120.00	450
Lightning Protection System	2	4.50	TN	277.20	1,247	0.00	0	120.00	540
Switch Gear	2	15.00	TN	277.20	4,158	0.00	0	120.00	1,800
Tracking System	2	15.00	TN	277.20	4,158	0.00	0	120.00	1,800
Enclosure (pre-cast building)	2	20.00	CY	81.60	1,632	83.00	1,660	0.00	0
					6,570,054		693,210		2,551,230
Account 345 -Accessory Electric Equipment									
Solar Thermal System									
AC Wiring	2	5.00	TN	277.20	1,386	0.00	0	2,100.00	10,500
DC Wiring	2	3.00	TN	277.20	832	0.00	0	2,100.00	6,300
Electrical Raceway	12173	152.16	TN	277.20	42,179	0.00	0	120.00	18,260
Grounding Grid	22,135	5.53	TN	277.20	1,534	0.00	0	120.00	664
Transformers	1	27.50	TN	277.20	7,623	0.00	0	120.00	3,300
					53,554		0		39,024
Solar Totals					6,743,155		813,187		2,590,974

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Port Everglades Plant

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Port Everglades Plant

The Port Everglades Plant is located on a 93-acre site in Broward County at the Port Everglades seaport, which is near the cities of Hollywood and Ft. Lauderdale, Florida. The plant site includes four generating units, twelve gas turbine modules and ten fuel oil storage tanks. Units No. 1 and 2 are identical, consisting of two complete Westinghouse Electric Corporation condensing turbines driving hydrogen cooled generators. The turbine generators are supplied with steam by two complete Combustion Engineering Incorporated, steam generating units which are the integral furnace, single steam drum, waterwall, radiant, reheat type. The two units have a combined maximum generator nameplate rating of 451 megawatts. Units No. 1 and 2 went into commercial operation during 1960 and 1961, respectively.

Units No. 3 and 4 are also identical and consist of two General Electric Company condensing steam turbines driving liquid and gas cooled generators. Each turbine generator is served by a complete Foster Wheeler Corporation gas fired, natural circulation, reheat type unit, containing an economizer, waterwall heating surface, a combination radiant convection superheater, a convection reheater and an air preheater. The two units have a combined maximum generator nameplate rating of 804 megawatts. Units No. 3 and 4 went into commercial operation during 1964 and 1965 respectively.

The twelve gas turbine modules (GTs) are used as peaking units. Each module consists of two Pratt and Whitney gas generators coupled to a Worthington power turbine, which drives an Electric Machinery Company generator. The combined maximum generator nameplate rating for the gas turbines is 411 megawatts.

For purposes of this dismantlement study, the estimated retirement dates for these units are as follows:

Unit	Year
Common	2020
Unit 1	2020
Unit 2	2020
Unit 3	2020
Unit 4	2020
GTs	2020

The dismantlement of the plants is assumed to require 2 years beginning five years after these dates.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Port Everglades plant in Docket No. 070378-EI, Order No. PSC-08-0095-PAA-EI, issued on February 14, 2008. The current accruals became effective as of January 1, 2007.

PORT EVERGLADES
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Port Everglades Common				
311	Structures and Improvements	1,675,324	5,159,841	336,744	6,498,221
312	Boiler Plant Equipment	4,990	0	2,160	2,830
314	Turbogenerator Units	45,799	16,008	13,680	48,127
315	Accessory Electrical Equipment	168,717	24,840	299,836	(106,279)
316	Miscellaneous Equipment	11,923	0	4,020	7,903
	Subtotal	1,906,752	5,200,489	656,440	6,450,801
	Other Site Costs:				
	Site Management Expenses	1,129,968			1,129,968
	Stack disposal & Special Waste	963,470			963,470
	Intake & Discharge Backfill	228,716			228,716
	Grading & Seeding	3,356,971			3,356,971
	Subtotal	5,679,125	0	0	5,679,125
	Total	7,585,877	5,200,489	656,440	12,129,926
	Contingency - 16%	1,213,740	832,078		2,045,819
	Total Port Everglades Common	8,799,618	6,032,567	656,440	14,175,745
	Unusable M&S Inventory	2,743,014		274,301	2,468,713
		11,542,632	6,032,567	930,741	16,644,458
	Port Everglades Units 1 & 2				
311	Structures and Improvements	1,606,067	496,432	25,372	2,077,127
312	Boiler Plant Equipment	21,440,465	2,549,830	1,458,473	22,531,821
314	Turbogenerator Units	724,663	191,728	1,223,541	(307,150)
315	Accessory Electrical Equipment	619,333	63,204	1,262,192	(579,655)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	24,390,527	3,301,194	3,969,578	23,722,143
	Contingency - 16%	3,902,484	528,191		4,430,675
	Total Port Everglades Units 1 & 2	28,293,011	3,829,385	3,969,578	28,152,818
	Port Everglades Units 3 & 4				
311	Structures and Improvements	1,624,471	1,685,732	115,906	3,194,297
312	Boiler Plant Equipment	9,234,366	1,682,764	1,725,730	9,191,400
314	Turbogenerator Units	1,843,089	307,832	2,836,909	(685,988)
315	Accessory Electrical Equipment	346,817	70,472	664,452	(247,163)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	13,048,743	3,746,800	5,342,997	11,452,546
	Contingency - 16%	2,087,799	599,488		2,687,287
	Total Port Everglades Units 3 & 4	15,136,541	4,346,288	5,342,997	14,139,832
	Port Everglades Gas Turbines				
341	Structures and Improvements	8,160	9,200	0	17,360
342	Fuel Holders, Producers and Accessories	68,180	131,330	40,800	158,710
343	Prime Movers	195,842	0	113,040	82,802
344	Generators	216,099	0	180,456	35,643
345	Accessory Electric Equipment	141,513	0	328,040	(186,527)
	Subtotal	629,794	140,530	662,336	107,988
	Contingency - 16%	100,767	22,485		123,252
	Total Port Everglades Gas Turbines	730,561	163,015	662,336	231,240
	Total Dismantlement Costs	55,702,745	14,371,256	10,905,653	59,168,348

PORT EVERGLADES
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Port Everglades Common	5,279,771	6,262,661	8,032,567	930,741	16,644,458
Port Everglades Units 1 & 2	16,975,807	11,317,205	3,829,385	3,969,578	28,152,818
Port Everglades Units 3 & 4	9,081,925	6,054,617	4,346,288	5,342,997	14,139,832
Port Everglade Gas Turbines	438,336	292,224	163,015	662,336	231,240
Total	31,775,839	23,926,907	14,371,256	10,905,653	59,168,348

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

PORT EVERGLADES DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The fuel oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits;

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

PORT EVERGLADES DISMANTLEMENT ASSUMPTIONS (continued)

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However the dismantlement cost of substation equipment is not included in this study, so as to avoid duplicating recovery of costs already included in the net salvage factor of the substation plant accounts' depreciation rates

An expandable grout will be used to dismantle the turbine pedestal. The chimneys will be control-blasted.

It is assumed that dismantlement activity at Port Everglades will begin five years after end of service. The economic recovery dates used for this assumption are as follows:

Unit	Economic Recovery Date
Common	2020
Unit 1	2020
Unit 2	2020
Unit 3	2020
Unit 4	2020

Asbestos abatement activity is currently driven by maintenance considerations and it is not appropriate to assume that significant quantities will be abated by the units' end of service dates. Though some asbestos abatement activity has occurred at Port Everglades, significant amounts of asbestos remain and can be expected to require abatement at final dismantlement. FPL's asbestos abatement contractor, Environmental Services, Inc. has estimated the cost of asbestos removal and disposal at $1,350 per cubic yard. FPL's Environmental Department recently completed a survey of asbestos quantities at our fossil sites, which estimated the cost to abate the remaining asbestos at Port Everglades at $25 million.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove hazardous materials; i.e., leads (alkaline), acids, solvents, lubricants, oils, chemicals, and gasses.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines and backfill trenches.
- Remove main steam, hot and cold piping, downcomers, valves, and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove intake and discharge structures, equipment pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS
(Continued)

- Remove gas supply metering site, valve stations, underground distribution system.
- Remove solid and liquid wastes from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove fuel oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

PORT EVERGLADES DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the Port Everglades Plant. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$33.05	X	6	=	$198.33
Foreman	$41.96	X	1	=	$41.96
Heavy Equipment Operator	$39.99	X	1	=	$39.99
Total Cost per hour of 8 man crew					$280.28
Cost per man hour		$280.28	/ 8	=	$35.04

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator				31,395.00
Front End Loader				6,234.15
Cutting Equipment				231.75
Total per month				$37,860.90
37,860.90	/ 176	hours per month =		215.12
Cost per man hour		$215.12	/ 8 =	$26.89
Plus: amount for small tools				1.00
Total Cost per man hour				$27.89

PORT EVERGLADES DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$35.04
Equipment	27.89
Total	$62.93
Rounded	$63.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$68.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$63.00	2.50 MH / Ton	$157.50 / Ton
Heavy Steel (2)	$63.00	3.30 MH / Ton	$207.90 / Ton
General Steel	$63.00	4.40 MH / Ton	$277.20 / Ton
Light Steel	$63.00	7.10 MH / Ton	$447.30 / Ton
Concrete	$68.00	0.48 MH / CY	$32.64 / CY
Reinforced Concrete	$68.00	1.20 MH / CY	$81.60 / CY
Copper-Elect. Cable & Generator Leads &	$63.00	12.00 MH / Ton	$756.00 / Ton
Copper - Generator	$63.00	9.80 MH / Ton	$617.40 / Ton
Copper - Transformer	$63.00	7.40 MH / Ton	$466.20 / Ton
General Insulation	$63.00	1.00 MH / CY	$63.00 / CY
Inground Pipe-Metal(3)	$63.00	6.00 MH / Ton	$378.00 / Ton
Concrete Pipe	$68.00	4.60 MH / Ton	$312.80 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Central Landfill located at 7101 S.W. 205 Avenue in Ft. Lauderdale, Florida. Concrete and calcium silicated insulation are all non-hazardous wastes. The tipping fees are $30.00 per ton for both concrete and calcium-silicate insulation.The dumpster charges, including driver, are $525 per haul for both 20 cubic yard (5 tons deductible) and $650 per haul for a 30 cubic yard dumpsters (7 tons deductible).

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located appropriately in the detailed spreadsheet.

PORT EVERGLADES DISMANTLEMENT STUDY

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Dumpster Charge	$525.00			1	$525.00
Tipping Fees		$30.00	/ TN X	25.5 TN	765.00
Total Cost per round Trip					$1,290.00
Cost per Cubic Yard		$1,290.00	/ 15.38 cubic yards =		$83.88
Plus 10% contractor profit					8.39
Total Cost per Cubic Yard					$92.26
Rounded Cost per Cubic Yard					$92.00

Insulation

A trailer with a 30 cubic yard capacity is used for insulation because of its lighter weight. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - 30 cubic yards - the full volume of the dumpster). A cubic yard of insulation weighs 121.5 pounds or .060750 tons. A 30 cubic yard dumpster would hold 1.82 tons of insulation.

Calcium Silicate Insulation

Dumpster Charge	$650.00	/haul	X	1 haul	=	$650.00
Tipping Fees	$30.00	/ TN	X	0 TN	=	0.00
Total Cost per round Trip						650.00
Cost per Cubic Yard	$650.00	/ 27 cubic yards =				$24.07
Plus 10% contractor profit						2.41
Total Cost per Cubic Yard						$26.48
Rounded Cost per Cubic Yard						$26.00

Asbestos Insulation

Environmental Services, Inc. advises that removal cost for asbestos is $1,250 per cubic yard. Disposal Cost is $100 per cubic yard.

PORT EVERGLADES DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month for site indirect costs.. These expenses are to be incurred over the 12 month dismantlement period for Port Everglades. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management,. supervison, security, etc..

Site Management Expenses per month	$47,082
Number of months	24.00
Total Site Management Expenses	$1,129,968

PORT EVERGLADES DISMANTLEMENT STUDY

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. Construction Estimating has updated the costs. The charge for the Intake is $44,128; the cost for the discharge is $35,115. Port Everglades has 2 Intakes and 4 Discharges:

	Cost/Structure	Quantity	
Intake	$44,128	2	$88,256
Discharge	$35,115	4	$140,460
Total Cost to Backfill Intake & Discharge Structures equals			$228,716

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is $63,579 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Port Everglades Acreage to be graded and seeded	52.80
Cost Factor	$63,579
Total Grading and Seeding Expense	$3,356,971

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At Port Everglades, the following cost estimates have been identified:

Description	Amount
Asbestos [see Units 1 - 4 detail]	$25,000,000
Lead in paint	600
Basins Clean Out/Material	197,000
Special Waste	262,500
Tanks/Washwater	160,170
Soil/Other Contamination	343,200
Total	$25,963,470

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Realizable Total Salvage Value
Port Everglades Common									
FERC Account 311									
Improvements to Site									
Roads, Walks	CY	1	3.00	32.64	98	92.00	276	0.00	0
Yard Lighting	TN	1	9.50	447.30	4,249	0.00	0	120.00	1,140
					4,347		276		1,140
Condensing & Service Water System									
Service Water Tanks	TN	1	3.00	277.20	832	0.00	0	120.00	360
Intake & Discharge									
Concrete	CY	1	1,344.00	81.60	109,670	92.00	123,648	0.00	0
Concrete Piping - 48"	CY	1	28.00	312.80	8,758	0.00	0	0.00	0
					118,429		123,648		0
Station Structures									
Substructure Concrete Mats	CY	1	6,524.00	81.60	532,358	92.00	600,208	0.00	0
C.I. Drain Line	TN	1	781.30	207.90	162,432	0.00	0	120.00	93,756
Structural Steel	TN	1	754.80	207.90	156,923	0.00	0	120.00	90,576
Roofing & Floor Slabs	CY	1	403.00	32.64	13,154	92.00	37,076	0.00	0
Cranes, Derricks & Hoists	CY	1	157.50	277.20	43,659	0.00	0	120.00	18,900
Miscellaneous & Building Iron	TN	1	135.60	277.20	37,588	0.00	0	120.00	16,272
					946,115		637,284		219,504
Oil Storage Facilities									
Tanks & Accessories	TN	1	8.00	277.20	2,218	0.00	0	120.00	960
Oil Transfer Pumps & Motors	TN	1	8.70	277.20	2,412	0.00	0	120.00	1,044
Piping	TN	1	48.30	277.20	13,389	0.00	0	120.00	5,796
Reinforced Concrete	CY	1	1,270.00	81.60	103,632	92.00	116,840	0.00	0
					121,650		116,840		7,800
Building Equipment									
Building Elevator	TN	1	11.00	277.20	3,049	0.00	0	120.00	1,320
HVAC	TN	1	17.50	277.20	4,851	0.00	0	120.00	2,100
Plumbing	TN	1	14.00	277.20	3,881	0.00	0	120.00	1,680
Lighting & Building Wiring	TN	1	9.00	756.00	6,804	0.00	0	120.00	1,080
Fire Protection Equipment	TN	1	5.00	447.30	2,237	0.00	0	120.00	600
					20,822		0		6,780
Tank Farm									
#6 Fuel Oil Tanks	TN	N/A	288.00	0.00	306,812	n/a	0	120.00	34,560
Cleaning of all tanks	BL	N/A	0.00	n/a	0	n/a	3,800,000	0.00	0
Soil Remediation	CY	N/A	0.00	n/a	0	n/a	410,753	0.00	0
Total					306,812		4,210,753		34,560
Service Building									
Concrete	CY	1	45.00	32.64	1,469	92.00	4,140	0.00	0
Structural Steel	TN	1	27.00	207.90	5,613	0.00	0	120.00	3,240
Roofing	CY	1	20.00	32.64	653	92.00	1,840	0.00	0
Plumbing	TN	1	18.00	277.20	4,990	0.00	0	120.00	2,160
					12,725		5,980		5,400

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Realizable Total Salvage Value
Administration Building									
Concrete	CY	1	480.00	32.64	15,667	92.00	44,160	0.00	0
Structural Steel	TN	1	300.00	207.90	62,370	0.00	0	120.00	36,000
Roofing	CY	1	225.00	32.64	7,344	92.00	20,700	0.00	0
Plumbing	TN	1	210.00	277.20	58,212	0.00	0	120.00	25,200
					143,593		64,860		61,200
Total FERC Account 311					1,675,324		5,159,841		336,744
FERC Account 312									
Boiler Plant Equipment									
Boiler Room Instruments	TN	1	8.00	277.20	2,218	0.00	0	120.00	960
Boiler Blow-Off & Outfall Drains	TN	1	10.00	277.20	2,772	0.00	0	120.00	1,200
Total FERC Account 312					4,990		0		2,160
FERC Account 314									
Turbogenerator Unit									
Condenser Auxiliary Equipment - Condensate Pumps	TN	3	54.00	277.20	14,969	0.00	0	120.00	6,480
Motors - 900 hp, 4,000V	TN	3	48.00	277.20	13,306	0.00	0	120.00	5,760
Concrete	CY	1	174.00	81.60	14,198	92.00	16,008	0.00	0
Turbine Room Instruments	TN	1	12.00	277.20	3,326	0.00	0	120.00	1,440
Total FERC Account 314					45,799		16,008		13,680
FERC Account 315									
Accessory Electrical Equipment									
Auxiliary Power Transformer	TN	2	118.80	447.30	53,139	0.00	0	120.00	14,256
Transformer Copper	TN	1	53.96	468.20	25,156	0.00	0	5,000.00	269,800
Transformers - Foundation	CY	1	270.00	81.60	22,032	92.00	24,840	0.00	0
Start-Up Transformer	TN	1	75.50	447.30	33,771	0.00	0	120.00	9,060
Control Cable Supporting Cable Trays	TN	1	31.00	756.00	23,436	0.00	0	120.00	3,720
Control Boards & Load Centers	TN	1	25.00	447.30	11,183	0.00	0	120.00	3,000
Total FERC Account 315					168,717		24,840		299,836
FERC Account 316									
Miscellaneous Power Plant Equipment									
Compressed Air System	TN	1	18.00	277.20	4,990	0.00	0	120.00	2,160
Intrasite Communications & Signal Equipment	TN	1	3.50	447.30	1,566	0.00	0	120.00	420
Service Air Piping	TN	1	12.00	447.30	5,368	0.00	0	120.00	1,440
Total FERC Account 316					11,923		0		4,020
Total Port Everglades Common					1,906,752		5,200,489		656,440

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Realizable Total Salvage Value
Port Everglades Units 1 & 2									
FERC Account 311									
Improvements to Site									
Circ. & Serv. Water Sys. - Piping	TN	1	11.99	277.20	3,322	0.00	0	120.00	1,438
Pumping Equipment 3000 gpm	TN	3	10.80	277.20	2,994	0.00	0	120.00	1,296
Service Water Tanks	TN	2	10.00	277.20	2,772	0.00	0	120.00	1,200
Elevated Water Tank - 100,000 gal	TN	1	16.00	277.20	4,435	0.00	0	120.00	1,920
Reinforced Concrete	CY	1	2,448.00	81.60	199,757	92.00	225,216	0.00	0
Traveling and Coarse Steel Screens	TN	2	83.80	277.20	23,229	0.00	0	120.00	10,056
Intake Gantry Crane - 20 Ton	TN	1	56.50	207.90	11,746	0.00	0	120.00	6,780
Screen Wash Pumps	TN	2	8.00	277.20	2,218	0.00	0	120.00	960
Chlorinator & Expansion Tank	TN	1	2.00	277.20	554	0.00	0	120.00	240
Reinforced Concrete Transition Blocks	TN	1	2,776.00	81.60	226,522	92.00	255,392	0.00	0
Concrete Pipe	TN	1	860.00	312.80	269,008	0.00	0	0.00	0
Cast Iron Pipe	TN	1	4.75	378.00	1,796	0.00	0	120.00	570
Corrugated Metal Pipe	TN	1	7.60	378.00	2,873	0.00	0	120.00	912
Reinforced Concrete	CY	1	172.00	81.60	14,035	92.00	15,824	0.00	0
Concrete Culvert Pipe - 12" I.D.	TN	1	2,688.00	312.80	840,806	0.00	0	0.00	0
Total Account 311					1,606,067		496,432		25,372
FERC Account 312									
Boiler Plant Equipment									
Fuel Oil Day Tanks- 3,000 bbl	TN	2	202.40	0.00	25,000	n/a	0	120.00	24,288
Fuel Oil Day Tanks- Cleaning	EA	1	n/a	n/a	n/a	n/a	80,000	0.00	0
Fuel Oil Day Tanks- Soil Remediation	EA	1	n/a	n/a	n/a	n/a	8,000	0.00	0
Fuel Oil Day Tanks - Reinforced Concrete	EA	1	n/a	n/a	n/a	n/a	51,142	0.00	0
Fuel Tank - 238,000 bbl	TN	1	793.33	n/a	51,136	n/a	0	120.00	95,200
Fuel Tank - Cleaning	EA	1	n/a	n/a	0	0.00	250,000	0.00	0
Fuel Tank - Soil Remediation	EA	1	n/a	n/a	0	0.00	67,529	0.00	0
Surge & Calibration Tanks - 3,000 bbl	TN	2	20.00	207.90	4,158	0.00	0	120.00	2,400
Light-Up Oil Tank - 600 bbl	TN	1	2.00	207.90	416	0.00	0	120.00	240
Fuel Oil Heaters	TN	3	60.48	277.20	16,765	0.00	0	120.00	7,258
Fuel Oil Burner Pumps (including motor)	TN	3	10.17	277.20	2,819	0.00	0	120.00	1,220
Burner Booster Fuel Oil Burner Pump	TN	1	5.79	277.20	1,605	0.00	0	120.00	695
Burner Windbox	TN	1	120.00	277.20	33,264	0.00	0	120.00	14,400
Subtotal					135,183		456,671		145,701
Boiler Equipment									
Boiler Frame & Platforms	TN	1	2,832.00	207.90	547,193	0.00	0	120.00	315,840
Walkways & Platforms	TN	1	340.00	447.30	152,082	0.00	0	120.00	40,800
Steel Decking, Grating & Handrail	TN	1	310.00	447.30	138,663	0.00	0	120.00	37,200
Boiler - including:	TN	1	3,472.00	207.90	721,829	0.00	0	120.00	416,640
Furnace Tubing									
Superheater Tubing									
Reheater Tubing									
Economizer Tubing									
Desuperheaters									
Brickwork & Refractories									
Forced Draft Fans									
Soot Blowers									
Buckstays									

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Realizable Total Salvage Value
Insulation	CY	1	2,117.86		0	0.00	0	0.00	0
Circulating Water Pumps	TN	2	142.80	277.20	39,584	0.00	0	120.00	17,136
Circulating Water Pump Motors	TN	2	49.60	277.20	13,749	0.00	0	120.00	5,952
Instrument Air Compressors	TN	2	8.00	277.20	2,218	0.00	0	120.00	960
Air Piping	TN	1	8.86	277.20	2,455	0.00	0	120.00	1,063
Extraction Feedwater Heater #1	TN	1	28.90	207.90	6,008	0.00	0	120.00	3,468
Extraction Feedwater Heater #2	TN	1	20.10	207.90	4,179	0.00	0	120.00	2,412
Extraction Feedwater Heater #3	TN	1	19.50	277.20	5,405	0.00	0	120.00	2,340
Extraction Feedwater Heater #4	TN	1	16.60	277.20	4,602	0.00	0	120.00	1,992
Extraction Feedwater Heater #5	TN	1	102.00	277.20	28,274	0.00	0	120.00	12,240
Extraction Feedwater Heater #6	TN	1	48.10	277.20	13,333	0.00	0	120.00	5,772
Extraction Feedwater Heater #7	TN	1	57.90	277.20	16,050	0.00	0	120.00	6,948
Asbestos Abatement	CY	1	4,600.00	1,250.00	5,750,000	100.00	460,000	0.00	0
Deaerator	TN	1	40.00	207.90	8,316	0.00	0	120.00	4,800
Boiler Feed Pumps	TN	3	60.00	207.90	12,474	0.00	0	120.00	7,200
Boiler Feed Pump Motors	TN	6	180.00	277.20	49,896	0.00	0	120.00	21,600
Pedestal - Reinforced Concrete	CY	1	187.00	81.60	15,259	92.00	17,204	0.00	0
Condensate Storage Tank	TN	1	60.00	277.20	16,632	0.00	0	120.00	7,200
Condensate Storage Tank - Foundation	CY	1	64.00	81.60	5,222	92.00	5,888	0.00	0
Boiler Blowoff Tank	TN	1	2.16	207.90	449	0.00	0	120.00	259
Miscellaneous Tanks	TN	1	8.00	277.20	2,218	0.00	0	120.00	960
FW Sys - Steel Pressure Filters	TN	2	28.30	277.20	7,845	0.00	0	120.00	3,396
FW Sys - Cation Exchangers	TN	2	15.00	277.20	4,158	0.00	0	120.00	1,800
FW Sys - Steel Acid Tank	TN	1	7.25	277.20	2,010	0.00	0	120.00	870
Asbestos Abatement	CY	1	4,600.00	1,250.00	5,750,000	100.00	460,000	0.00	0
Condensate Recovery Collection Tank	TN	1	5.18	277.20	1,436	0.00	0	120.00	622
Subtotal					13,321,539		943,092		919,470
Closed System Cooling Water Equipment									
Cooling Water Pumps	TN	2	8.50	277.20	2,356	0.00	0	120.00	1,020
Cooling Water Heat Exchangers	TN	3	66.00	277.20	18,295	0.00	0	120.00	7,920
C W Ht Exch - Foundation	CY	1	44.00	81.60	3,590	92.00	4,048	0.00	0
Cooling Water Surge Tank	TN	1	2.85	277.20	790	0.00	0	120.00	342
Subtotal					25,032		4,048		9,282
Boiler Plant Piping									
Main Steam Piping - 18"	TN	1	162.73	207.90	33,832	0.00	0	120.00	19,528
Hot Reheat Piping - 26"	TN	1	175.65	207.90	36,518	0.00	0	120.00	21,078
Cold Reheat Piping - 20"	TN	1	91.90	207.90	19,107	0.00	0	120.00	11,028
Extraction Steam Piping	TN	1	186.63	207.90	38,800	0.00	0	120.00	22,395
Auxiliary Steam Piping	TN	1	10.63	207.90	2,211	0.00	0	120.00	1,276
Condensate Piping	TN	1	44.94	207.90	9,343	0.00	0	120.00	5,393
Asbestos Insulation	CY	1	4,000.00	1,250.00	5,000,000	100.00	400,000	0.00	0
Boiler Feed Piping	TN	1	22.01	207.90	4,576	0.00	0	120.00	2,641
Subtotal					5,144,387		400,000		83,340
Water Piping									
Demineralized Water Piping	TN	1	8.69	277.20	1,854	0.00	0	120.00	803
Other Water Piping	TN	1	92.11	277.20	25,534	0.00	0	120.00	11,054
Miscellaneous Piping	TN	1	160.30	277.20	44,434	0.00	0	120.00	19,236
Subtotal					71,823		0		31,092

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Realizable Total Salvage Value
Instrument Piping & Tubing									
Instrument Piping	TN	1	13.42	277.20	3,720	0.00	0	120.00	1,610
Instrument Tubing	TN	1	68.98	277.20	19,120	0.00	0	120.00	8,277
Instrument Multitube	TN	1	7.48	277.20	2,074	0.00	0	120.00	898
Asbestos Insulation	CY	1	1,200.00	1,250.00	1,500,000	100.00	120,000	0.00	0
Subtotal					1,524,914		120,000		10,785
Induced Draft Equipment									
Gas Ducts	TN	1	1,200.00	207.90	249,480	0.00	0	120.00	144,000
Stack Breeching	TN	1	74.36	81.60	6,068	92.00	6,841	0.00	0
Foundations- Reinforced Concrete	CY	1	149.50	81.60	12,199	92.00	13,754	0.00	0
Insulation - Ducts	CY	1	1,600.00	81.60	146,880	26.00	46,800	0.00	0
Induced Draft Fans - Foundations	CY	1	357.00	81.60	29,131	92.00	32,844	0.00	0
Induced Draft Fans	TN	2	150.00	207.90	31,185	0.00	0	120.00	18,000
Induced Draft Fan - Motors	TN	2	71.40	277.20	19,792	0.00	0	120.00	8,568
Concrete Stack	CY	1	3,892.00	81.60	317,587	92.00	358,064	0.00	0
Stack - Reinforced Concr. Foundation	CY	1	1,550.00	81.60	126,480	92.00	142,600	0.00	0
Dust Collectors	TN	2	302.30	207.90	62,848	0.00	0	120.00	36,276
Dust Collectors - Foundation	CY	1	273.00	81.60	22,277	92.00	25,116	0.00	0
Subtotal					1,023,927		626,019		206,844
Miscellaneous Steel & Equipment	TN	1	433.00	447.30	193,681	0.00	0	120.00	51,960
Total Account 312					21,440,485		2,549,830		1,458,473
FERC Account 314									
Turbogenerator Unit									
Pedestal - Reinforced Concrete	CY	1	2,084.00	81.60	170,054	92.00	191,728	0.00	0
Turbogenerator - Unit	TN	1	740.00	157.50	116,550	0.00	0	120.00	88,800
Turbine Copper	TN	1	66.00	617.40	40,748	0.00	0	5,000.00	330,000
Turbine Plant Piping	TN	1	322.00	277.20	89,258	0.00	0	120.00	38,640
Turbine Plant Piping - Insulation	CY	1	2,785.71		0	0.00	0	0.00	0
Subtotal					416,611		191,728		457,440
Condenser & Auxiliaries									
Condenser	TN	1	675.00	207.90	140,333	0.00	0	120.00	81,000
Condenser Tubes	TN	1	235.00	447.30	105,116	0.00	0	2,800.00	658,000
Circulating Water Pumps	TN	2	39.00	277.20	10,811	0.00	0	120.00	4,680
Butterfly Valves	TN	2	17.19	277.20	4,766	0.00	0	120.00	2,063
Condensate Pumps	TN	2	26.00	277.20	7,207	0.00	0	120.00	3,120
Condensate Pump Motors	TN	2	18.40	277.20	5,100	0.00	0	120.00	2,208
Vent Condenser	TN	1	2.40	277.20	665	0.00	0	120.00	288
Main Vacuum Pump	TN	1	19.00	277.20	5,267	0.00	0	120.00	2,280
Main Vacuum Pump - Motor	TN	1	2.40	277.20	665	0.00	0	120.00	288
Auxiliary Vacuum Pump	TN	1	11.50	277.20	3,188	0.00	0	120.00	1,380
Auxiliary Vacuum Pump - Motor	TN	1	2.00	277.20	554	0.00	0	120.00	240
Subtotal					283,672		0		755,547

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Realizable Total Salvage Value
Turbine Room Auxiliaries									
Turbine Lube Oil Dump Tank	TN	1	3.55	277.20	984	0.00	0	120.00	426
Turbine Lube Cooler	TN	1	17.60	277.20	4,879	0.00	0	120.00	2,112
Hydrogen Cooler	TN	1	4.90	277.20	1,358	0.00	0	120.00	588
Generator Exciter Air Cooler	TN	1	4.40	277.20	1,220	0.00	0	120.00	528
Subtotal					8,441		0		3,654
Miscellaneous Steel & Equipment	TN	1	57.50	277.20	15,939	0.00	0	120.00	6,900
Total Account 314					724,663		191,728		1,223,541
FERC Account 315									
Accessory Electrical Equipment									
Generator Leads and Enclosures	TN	1	18.00	277.20	4,990	0.00	0	120.00	2,160
Reinforced Concrete	CY	1	108.00	81.60	8,894	92.00	10,028	0.00	0
Foundations - Reinforced Concrete	CY	1	18.00	81.60	1,469	92.00	1,656	0.00	0
Auxiliary Power Transformer	TN	1	57.95	447.30	25,921	0.00	0	120.00	6,954
Circ. Pump Power Supply Transformers	TN	4	12.40	447.30	5,547	0.00	0	120.00	1,488
Start-Up Transformer	TN	1	36.75	447.30	16,438	0.00	0	120.00	4,410
Transformer Copper	TN	1	26.29	466.20	12,256	0.00	0	5,000.00	131,450
One-Section ITE Circuit Breaker	TN	1	10.00	447.30	4,473	0.00	0	120.00	1,200
Metal Clad Switchgear - 4160 v	TN	1	64.00	447.30	28,627	0.00	0	120.00	7,680
Metal Clad Switchgear - 480 v	TN	1	17.00	277.20	4,712	0.00	0	120.00	2,040
Concrete	CY	1	560.00	81.60	45,696	92.00	51,520	0.00	0
Conduit	TN	1	194.27	277.20	53,852	0.00	0	120.00	23,313
Exposed Conduit & Trays	TN	1	39.35	277.20	10,909	0.00	0	120.00	4,722
Cable Trays	TN	1	33.80	277.20	9,369	0.00	0	120.00	4,056
Subtotal					233,154		63,204		189,473
Power & Control Wiring									
No. 1 and Smaller	TN	1	24.93	756.00	18,850	0.00	0	2,100.00	52,362
1/0 to 4/0	TN	1	17.23	756.00	13,027	0.00	0	2,100.00	36,186
Multiconductor - Various Sizes	TN	1	370.48	756.00	280,081	0.00	0	2,100.00	778,004
5kv, 4/0 & Smaller	TN	1	10.98	756.00	8,304	0.00	0	2,100.00	23,068
5kv, 200 MCM to 500 MCM	TN	1	22.03	756.00	16,654	0.00	0	2,100.00	46,261
5kv, 1500 MCM	TN	1	50.40	756.00	38,102	0.00	0	2,100.00	105,840
Thermocouple Wire	TN	1	11.18	756.00	8,448	0.00	0	2,100.00	23,468
W & C Connections - 600v, #8 & Smaller	TN	1	3.59	756.00	2,711	0.00	0	2,100.00	7,531
Subtotal					386,179		0		1,072,719
Total Account 315					619,333		63,204		1,262,192
TOTAL PORT EVERGLADES UNIT 1 & 2					24,390,527		3,301,194		3,969,678

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Realizable Total Salvage Value
PORT EVERGLADES UNITS 3 & 4									
FERC Account 311									
Improvements to Site									
Concrete Pavement	CY	1	158.00	32.64	5,157	92.00	14,536	0.00	0
Sewer System:									
48" Concrete Pipe - 6"	TN	1	1.61	32.64	53	92.00	148	0.00	0
48" Concrete Pipe - 8"	TN	1	3.20	32.64	104	92.00	294	0.00	0
48" Concrete Pipe - 10"	TN	1	7.20	32.64	235	92.00	662	0.00	0
48" Concrete Pipe - 12"	TN	1	7.40	32.64	242	92.00	681	0.00	0
48" Concrete Pipe - 15"	TN	1	6.80	32.64	222	92.00	626	0.00	0
48" Concrete Pipe - 18"	TN	1	5.80	32.64	189	92.00	534	0.00	0
Subtotal					6,202		17,481		0
Condensing and Service Water System									
Water Treatment Area Slab	CY	1	522.00	81.60	42,595	92.00	48,024	0.00	0
Piping - Cast Iron - 18"	TN	1	53.96	378.00	20,395	0.00	0	120.00	6,475
Intake Cooling Water Pumps	TN	2	8.00	277.20	2,218	0.00	0	120.00	960
Intake Structure - Concrete	CY	1	1,698.00	81.60	138,557	92.00	156,216	0.00	0
Wingwall Cap & Crane Rail Pads	CY	1	212.00	81.60	17,299	92.00	19,504	0.00	0
Traveling Water Screens	TN	2	56.43	277.20	15,642	0.00	0	120.00	6,771
1 1/2 Ton Electric Hoist	TN	1	7.00	277.20	1,940	0.00	0	120.00	840
Screen Refuse Line - Concrete Pipe	TN	1	1,013.33	32.64	33,075	92.00	93,227	0.00	0
Intake Culvert - 144" concrete pipe	TN	1	645.33	32.64	21,064	92.00	59,371	0.00	0
Inlet & Outlet Concrete Structures	CY	1	808.00	81.60	65,933	92.00	74,336	0.00	0
Intake Conduit - 78" Rein Conc Pipe	TN	1	1,094.67	81.60	89,325	92.00	100,709	0.00	0
Concrete	CY	1	1,384.00	81.60	112,934	92.00	127,328	0.00	0
Discharge Conduit - 60" Concr Pipe	TN	1	499.17	81.60	40,732	92.00	45,923	0.00	0
Concrete	CY	1	720.00	81.60	58,752	92.00	66,240	0.00	0
Seal Well Concrete Structure	CY	1	780.00	81.60	63,648	92.00	71,760	0.00	0
Concrete Pedestal Mat	CY	1	7,424.00	81.60	605,798	92.00	683,008	0.00	0
Structural Steel	TN	1	610.00	207.90	126,819	0.00	0	120.00	73,200
Miscellaneous Steel	TN	1	46.00	277.20	12,751	0.00	0	120.00	5,520
Floors - Concrete	CY	1	334.00	81.60	27,254	92.00	30,728	0.00	0
Galvanized Steel Floor	TN	1	104.40	277.20	28,940	0.00	0	120.00	12,528
Forced Draft Fan Enclosure - Concr	CY	1	294.00	81.60	23,990	92.00	27,048	0.00	0
Elevator	TN	1	75.20	277.20	20,845	0.00	0	120.00	9,024
Subtotal					1,570,507		1,803,422		115,318
Fuel & Ash Structures									
Concrete	CY	1	58.00	81.60	4,733	92.00	5,336	0.00	0
Ash Pit Sumps - Concrete	CY	1	36.00	81.60	2,938	92.00	3,312	0.00	0
Ash Disposal Lines - 10"	CY	1	226.67	32.64	7,398	92.00	20,853	0.00	0
Concrete	CY	1	304.00	81.60	24,806	92.00	27,968	0.00	0
Fuel Oil Transfer Pumps	TN	2	4.90	277.20	1,358	0.00	0	120.00	588
Fuel Oil Trnsfr Hse Extn - Concrete	CY	1	80.00	81.60	6,528	92.00	7,360	0.00	0
Subtotal					47,761		64,829		588
Total Account 311					1,624,471		1,685,732		115,906

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Realizable Total Salvage Value
FERC Account 312									
Boiler Plant Equipment									
Fuel Oil & Gas Equipment									
Metering Tank - Fdn & Conc Firewalls	CY	1	604.00	0.00	0	n/a	0	0.00	0
Fuel Oil Metering Tank - 12000 bbl	TN	1	101.20	0.00	34,090	n/a	0	120.00	12,144
Fuel Oil Metering Tank - Cleaning	EA	1	n/a	n/a	0	n/a	140,000	0.00	0
Fuel Oil Metering Tank - Soil Remediation	EA	1	n/a	n/a	0	n/a	28,960	0.00	0
Fuel Oil Metering Tank - Foundation	EA	1	n/a	n/a	0	n/a	70,588	0.00	0
Fuel Tank - Reinforced Concrete	EA	1	87.00	81.60	7,099	92.00	8,004	0.00	0
Fuel Tank - 238,000 bbl	TN	1	793.33	n/a	51,136	n/a	0	120.00	95,200
Fuel Tank - Cleaning	EA	1	n/a	n/a	0	n/a	250,000	0.00	0
Fuel Tank - Soil Remediation	EA	1	n/a	n/a	0	n/a	49,552	0.00	0
Burner Pumps	TN	3	9.00	277.20	2,495	0.00	0	120.00	1,080
Concrete	CY	1	154.00	81.60	12,566	92.00	14,168	0.00	0
Forced Draft Foundation	CY	1	386.00	81.60	31,498	92.00	35,512	0.00	0
Forced Draft Fans - 384,000 cfm	TN	2	122.00	207.90	25,364	0.00	0	120.00	14,640
3,500 HP Motors - 4000v, 1200 rpm	TN	2	32.00	207.90	6,653	0.00	0	120.00	3,840
Forced Draft Fan Air Ducts	TN	2	1,228.80	277.20	340,623	0.00	0	120.00	147,456
Insulation	CY	1	960.00	63.00	60,480	26.00	24,960	0.00	0
Insulation	CY	1	920.00	1,250.00	1,150,000	100.00	92,000	0.00	0
Subtotal					1,722,004		713,744		274,360
Boiler Equipment									
Boiler Frame	TN	1	2,464.00	207.90	512,266	0.00	0	120.00	295,680
Platforms, Grating & Handrails	TN	1	474.00	447.30	212,020	0.00	0	120.00	56,880
Boiler - including:	TN	1	6,084.00	207.90	1,264,864	0.00	0	120.00	730,080
Drum									
Waterwall, Cowncorners & Tubes									
Piping, Valves & Silencers									
Radiant Superheater									
Convection Superheater									
Reheater									
Economizer									
Sootblowers									
Insulation	CY	1	680.00	63.00	42,840	26.00	17,680	0.00	0
Asbestos Insulation	CY	1	950.00	1,250.00	1,187,500	100.00	95,000	0.00	0
Air Preheater	TN	2	1,000.00	207.90	207,900	0.00	0	120.00	120,000
Subtotal					3,427,389		112,680		1,202,640
Boiler Plant Auxiliaries									
H.P. Feedwater Heater #1	TN	1	134.90	207.90	28,046	0.00	0	120.00	16,188
H.P. Feedwater Heater #2	TN	1	101.90	207.90	21,185	0.00	0	120.00	12,228
L.P. Feedwater Heater #3	TN	1	35.70	277.20	9,896	0.00	0	120.00	4,284
L.P. Feedwater Heater #4	TN	1	30.20	277.20	8,371	0.00	0	120.00	3,624
L.P. Feedwater Heater #5	TN	1	23.70	277.20	6,570	0.00	0	120.00	2,844
L.P. Feedwater Heater #6	TN	1	31.70	277.20	8,787	0.00	0	120.00	3,804
L.P. Feedwater Heater #7	TN	1	43.70	277.20	12,114	0.00	0	120.00	5,244
Asbestos Insulation	CY	1	950.00	1,250.00	1,187,500	100.00	95,000	0.00	0
Boiler Feed Pumps (including motors)	TN	2	108.00	207.90	22,453	0.00	0	120.00	12,960
Concrete	CY	1	238.00	81.60	19,421	92.00	21,896	0.00	0
Condensate Storage Tank - 150,000 gl	TN	1	82.50	277.20	22,869	0.00	0	120.00	9,900
Condensate Storage Tank Foundation	CY	1	210.00	81.60	17,138	92.00	19,320	0.00	0
Subtotal					1,364,348		136,216		71,076

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Realizable Total Salvage Value
Boiler Plant Piping									
Main Steam Piping - 20.5 Inch OD	TN	1	151.01	207.90	31,395	0.00	0	120.00	18,121
Main Steam Piping - 16 inch OD	TN	1	13.41	207.90	2,788	0.00	0	120.00	1,609
Hot Reheat Piping - 30 inch OD	TN	1	88.34	207.90	18,366	0.00	0	120.00	10,601
Hot Reheat Piping - 22 inch OD	TN	1	26.29	207.90	5,466	0.00	0	120.00	3,155
Cold Reheat Piping - 32 inch OD	TN	1	40.62	207.90	8,445	0.00	0	120.00	4,875
Cold Reheat Piping - 24 inch OD	TN	1	15.42	207.90	3,206	0.00	0	120.00	1,851
Boiler Plant Piping Insulation	CY	1	800.00	63.00	50,400	26.00	20,800	0.00	0
Boiler Plant Piping Insulation	CY	1	1,240.00	1,250.00	1,550,000	100.00	124,000	0.00	0
Extraction Steam Piping	TN	1	64.00	207.90	13,306	0.00	0	120.00	7,680
Boiler Feed Piping	TN	1	92.00	207.90	19,127	0.00	0	120.00	11,040
Boiler Feed Piping Insulation	CY	1	640.00	63.00	40,320	26.00	16,640	0.00	0
Silencers	TN	3	24.60	277.20	6,819	0.00	0	120.00	2,952
Saturated Auxiliary Steam - Piping	TN	1	43.43	277.20	12,039	0.00	0	120.00	5,212
Service & Cooling Water Piping	TN	1	189.70	277.20	52,585	0.00	0	120.00	22,764
Instrument, Sampling & Control Piping	TN	1	66.40	277.20	18,405	0.00	0	120.00	7,967
Pipe Insulation	CY	1	790.00	63.00	49,770	26.00	20,540	0.00	0
Asbestos Pipe Insulation	CY	1	60.00	1,250.00	75,000	100.00	6,000	0.00	0
Subtotal					1,957,436		187,980		97,827
Induced Draft Equipment									
Insulation	CY	1	171.43		0	0.00	0	0.00	0
Insulation	CY	1	680.00	63.00	42,840	26.00	17,680	0.00	0
Stacks	CY	1	3,940.00	81.60	321,504	92.00	362,480	0.00	0
Dust Collectors 4,700 cu. ft.	TN	2	140.00	207.90	29,106	0.00	0	120.00	16,800
Concrete Stack Foundation	CY	1	1,652.00	81.60	134,803	92.00	151,984	0.00	0
Subtotal					528,253		532,144		16,800
Miscellaneous Steel & Equipment	TN	1	525.23	447.30	234,935	0.00	0	120.00	63,028
Total Account 312					9,234,366		1,682,764		1,725,730
FERC Account 314									
Turbo-Generator Units									
Conditioner	TN	1	3.65	277.20	1,012	0.00	0	120.00	438
Pedestal Concrete	CY	1	3,172.00	81.60	258,835	92.00	291,824	0.00	0
Inserts & Anchor Bolts	TN	1	3.47	277.20	961	0.00	0	120.00	416
Turbo-Generator Unit	TN	1	1,296.00	157.50	204,120	0.00	0	120.00	155,520
Turbine Piping	TN	1	520.00	756.00	393,120	0.00	0	120.00	62,400
Turbine Copper	TN	1	116.00	617.40	71,618	0.00	0	5,000.00	580,000
Turbine Insulation	CY	1	500.00		0	0.00	0	0.00	0
Subtotal					929,667		291,824		798,774
Condensers and Auxiliaries									
Condenser Shell	TN	1	1,735.00	207.90	360,707	0.00	0	120.00	208,200
Condenser Tubes - Titanium	TN	1	429.00	447.30	191,892	0.00	0	4,000.00	1,716,000
Circulating Water Pumps - 137,500 gpm	TN	2	210.00	277.20	58,212	0.00	0	120.00	25,200
Motors 1,250 HP, 4000v, 257 rpm	TN	2	72.14	277.20	19,997	0.00	0	120.00	8,657

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Realizable Total Salvage Value
Butterfly Valves	TN	2	32.00	277.20	8,870	0.00	0	120.00	3,840
Cond Pumps - 24" suction, 12" dischrg	TN	3	55.35	277.20	15,343	0.00	0	120.00	6,642
Motors - 900 HP, 4,000 v, 1,200 rpm	TN	3	35.10	277.20	9,730	0.00	0	120.00	4,212
Concrete	CY	1	174.00	81.60	14,198	92.00	16,008	0.00	0
Tank - 6,500 gallon	TN	1	54.38	277.20	15,069	0.00	0	120.00	6,523
Subtotal					694,018		16,008		1,979,274
Miscellaneous Steel & Equipment	TN	1	490.51	447.30	219,405	0.00	0	120.00	58,861
Total Account 314					1,843,089		307,632		2,836,909
FERC Account 315									
Accessory Electrical Equipment									
Foundations & Structures									
Concrete	CY	1	16.00	81.60	1,306	92.00	1,472	0.00	0
Steel Structures & Supports	TN	1	6.80	207.90	1,414	0.00	0	120.00	816
Equipment Foundations - Concrete	CY	1	58.00	81.60	4,733	92.00	5,336	0.00	0
Switchgear Foundations - Concrete	TN	1	154.00	81.60	12,566	92.00	14,168	0.00	0
Aux Power Transformer - 24,000 kva 4080gl	TN	1	118.80	447.30	53,139	0.00	0	120.00	14,256
Transformer Copper	TN	1	53.96	466.20	25,156	0.00	0	5,000.00	269,800
Concrete	CY	1	538.00	81.60	43,901	92.00	49,496	0.00	0
Conduit	TN	1	80.00	447.30	35,784	0.00	0	120.00	9,600
Conductors - Generator Leads	TN	1	40.00	756.00	30,240	0.00	0	5,000.00	200,000
Power Wiring - 5,000 v & 600 v	TN	1	70.00	756.00	52,920	0.00	0	2,100.00	147,000
Switchgear - 4,160v Metalclad	TN	1	80.00	447.30	35,784	0.00	0	120.00	9,600
Switchgear - 480v Metalclad	TN	1	36.00	447.30	16,103	0.00	0	120.00	4,320
Startup Transformer	TN	1	75.50	447.30	33,771	0.00	0	120.00	9,060
Total Account 315					346,817		70,472		664,452
TOTAL PORT EVERGLADES UNITS 3 & 4					13,048,743		3,746,800		5,342,997
GAS TURBINES									
FERC Account 341									
Structures & Improvements									
Concrete and Foundations	CY	1	100.00	81.60	8,160	92.00	9,200	0.00	0
Total Account 341					8,160		9,200		0
FERC Account 342									
Fuel Holders									
Fuel Oil Storage Tanks PPE 903 & PPE 904	TN	2	340.00	0.00	68,180	0.00	0	120.00	40,800
Cleaning of Fuel Oil Storage Tank	BL	n/a	n/a	0.00	0	n/a	120,000	0.00	0
Sand Base Beneath Fuel Oil Storage Tank	CY	n/a	n/a	0.00	0	n/a	11,330	0.00	0
Total Account 342					68,180		131,330		40,800
FERC Account 343									
Prime Movers									
Gas Expander With Sole Plates	TN	1	446.40	207.90	92,807	0.00	0	120.00	53,568
Gas Generator Engines With Bases	TN	1	72.00	207.90	14,969	0.00	0	120.00	8,640
Turning Gear & Outer Exhaust Case	TN	1	51.60	207.90	10,728	0.00	0	120.00	6,192
Upper Half - Outer Exhaust Case	TN	1	15.00	207.90	3,119	0.00	0	120.00	1,800

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Realizable Total Salvage Value
Upper Half - Inner Exhaust Case	TN	1	132.00	207.90	27,443	0.00	0	120.00	15,840
Other Items	TN	1	225.00	207.90	46,778	0.00	0	120.00	27,000
Total Account 343					195,842		0		113,040
FERC Account 344									
Generators									
Generator - Electric with Soleplates	TN	1	924.00	207.90	192,100	0.00	0	120.00	110,880
Turbine Copper	TN	1	12.00	617.40	7,409	0.00	0	5,000.00	60,000
Rotor and 2 Coupling Hubs	TN	1	79.80	207.90	16,590	0.00	0	120.00	9,576
Total Accunt 344					216,099		0		180,456
FERC Account 345									
Accessor Electrical Equipment									
Transformer Copper	TN	1	55.60	466.20	25,921	0.00	0	5,000.00	278,000
Transformers	TN	1	417.00	277.20	115,592	0.00	0	120.00	50,040
Total Account 345					141,513		0		328,040
TOTAL PORT EVERGLADES GAS TURBINES					629,794		140,530		662,336
TOTAL PORT EVERGLADES UNITS 1 THRU 4, TANK FARM, AND GAS TURBINES					39,975,816		12,389,013		10,631,352

Docket No. 080677-EI
FPL's 2009 Dismantlement Study
Exhibit No. KO-8, Page 236 of 423

OPC 005864
FPL RC-16

Docket # 090130

090130

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 080677-EI
FLORIDA POWER & LIGHT COMPANY

IN RE: PETITION FOR RATE INCREASE BY FLORIDA POWER & LIGHT COMPANY

FPL WITNESS KIM OUSDAHL

EXHIBIT KO-8:

FPL'S 2009 DISMANTLEMENT STUDY

VOLUME 2 OF 2

DOCUMENT NUMBER-DATE
02284 MAR 17 8
FPSC-COMMISSION CLERK

Putnam Plant

The Putnam Plant is located on a 59-acre site in Putnam County approximately three miles southeast of Palatka, Florida. Putnam Units No. 1 and 2 are virtually identical in design. Units No. 1 and 2 are combined cycle units that operate on natural gas with #2 light oil as alternative fuel. Both units are also capable of operating on #6 heavy oil. The two units have a combined maximum generator nameplate rating of 580 megawatts. Units No. 1 and 2 went into commercial operation during 1978 and 1977 respectively. This dismantlement study uses the following estimated retirement dates for these units:

Unit	Year
Common	2020
Unit 1	2020
Unit 2	2020

The dismantlement of the plants is assumed to require 2 years beginning five years after these dates.

Units No.1 and 2 each consist of essentially two complete Westinghouse Electric Corporation gas turbine generators, each coupled to one electrical generator on the intake side of the respective gas turbine, and one Heat Recovery Steam Generator (HRSG) on the exhaust side of the respective gas turbine. Each gas turbine drives an electrical generator while the exhaust heat from the gas turbine boils water in the HRSG. The superheated steam produced from both HRSGs enters a common steam line and drives one additional steam turbine, which is coupled to an electric generator. The exhaust steam is condensed and the water piped back to the HRSGs for re-use.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Putnam plant in Docket No. 070378-EI, Order No. PSC-08-0095-PAA-EI, issued on February 14, 2008. The current accruals became effective as of January 1, 2007. .

PUTNAM
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Putnam Common				
	Production Plant				
341	Structures and Improvements	857,953	1,062,532	105,068	1,815,417
342	Fuel Holders	455,852	431,449	289,571	597,731
343	Prime Movers	144,450	14,316	47,354	111,411
344	Generator Units	0	0	0	0
345	Accessory Electrical Equipment	873,466	69,518	714,898	228,086
346	Miscellaneous Equipment	10,465	0	4,020	6,445
	Subtotal	2,342,187	1,577,815	1,160,912	2,759,090
	Other Site Costs:				
	Site Management Expenses	564,984			564,984
	Asbestos Abatement Costs	15,000			15,000
	Other Site Contamination & Special Waste	1,194,650			1,194,650
	Intake & Discharge Backfill	44,128			44,128
	Grading & Seeding	2,295,202			2,295,202
	Subtotal	4,113,964	0	0	4,113,964
	Total	6,456,151	1,577,815	1,160,912	6,873,054
	Contingency - 16%	1,032,984	252,450		1,285,434
	Total Putnam Common	7,489,135	1,830,265	1,160,912	8,158,488
	Unusable M&S Inventory	1,031,901		103,190	928,711
		8,521,036	1,830,265	1,264,102	9,087,199
	Putnam Units 1 & 2				
341	Structures and Improvements	493,715	416,156	66,682	843,189
342	Fuel Holders	0	0	0	0
343	Prime Movers	816,768	37,844	484,319	370,293
344	Generator Units	803,020	247,470	1,009,288	41,202
345	Accessory Electrical Equipment	0	0	0	0
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	2,113,502	701,470	1,560,288	1,254,684
	Contingency - 16%	338,160	112,235		450,396
	Total Putnam Units 1 & 2	2,451,663	813,705	1,560,288	1,705,080
	Total Dismantlement Costs	10,972,699	2,643,970	2,824,390	10,792,280

PUTNAM
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Putnam Common	4,493,481	4,027,555	1,830,265	1,264,102	9,087,199
Putnam Units 1 & 2	1,470,998	980,665	813,705	1,560,288	1,705,080
Total	5,964,479	5,008,220	2,643,970	2,824,390	10,792,280

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.

Salvage is 100% of Salvage from Summary of Dismantlement Costs.

PUTNAM DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The fuel oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits;

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins, due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

PUTNAM DISMANTLEMENT ASSUMPTIONS (continued)

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However the dismantlement cost of substation equipment is not included in this study, so as to avoid the possibility of duplicating the recovery of costs already included in the net salvage factor of the substation accounts' depreciation rates.

An expandable grout will be used to dismantle the turbine pedestals. The chimneys will be control-blasted.

It is assumed that dismantlement activity at Putnam will begin five years after end of service. The economic recovery dates used for that assumption are as follows:

Unit	Economic Recovery Date
Common	2020
Unit 1	2020
Unit 2	2020

Putnam plant has very little asbestos. FPL's Environmental Department recently completed a survey of asbestos at our production plants. It was determined that a minimal amount of asbestos insulation is in use at Putnam. It is estimated that the cost of abating this small quantity of asbestos is $15,000.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove hazardous materials; i.e., leads (alkaline), acids, solvents, lubricants, oils, chemicals, and gasses.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines and backfill trenches.
- Remove main steam, hot and cold piping, downcomers, valves, and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove intake and discharge structures, equipment pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS
(Continued)

- Remove gas supply metering site, valve stations, underground distribution system.
- Remove solid and liquid wastes from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove fuel oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

PUTNAM DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the Putnam Plant. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$38.56	X	6	=	$231.34
Foreman	$48.95	X	1	=	$48.95
Heavy Equipment Operator	$46.65	X	1	=	$46.65
Total Cost per hour of 8 man crew					$326.94
Cost per man hour		$326.94	/ 8	=	$40.87

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator				34,370.00
Front End Loader				6,824.90
Cutting Equipment				231.75
Total per month				$41,426.65
41,426.65	/ 176	hours per month =		235.38
Cost per man hour		$235.38	/ 8 =	$29.42
Plus: amount for small tools				1.00
Total Cost per man hour				$30.42

PUTNAM DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$40.87
Equipment	30.42
Total	$71.29
Rounded	$71.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$76.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$71.00	2.50 MH / Ton	$177.50 / Ton
Heavy Steel (2)	$71.00	3.30 MH / Ton	$234.30 / Ton
General Steel	$71.00	4.40 MH / Ton	$312.40 / Ton
Light Steel	$71.00	7.10 MH / Ton	$504.10 / Ton
Concrete	$76.00	0.48 MH / CY	$36.48 / CY
Reinforced Concrete	$76.00	1.20 MH / CY	$91.20 / CY
Copper-Elect. Cable & Generator Leads &	$71.00	12.00 MH / Ton	$852.00 / Ton
Copper - Generator	$71.00	9.80 MH / Ton	$695.80 / Ton
Copper - Transformer	$71.00	7.40 MH / Ton	$525.40 / Ton
General Insulation	$71.00	1.00 MH / CY	$71.00 / CY
Inground Pipe-Metal(3)	$71.00	6.00 MH / Ton	$426.00 / Ton
Concrete Pipe	$76.00	4.60 MH / Ton	$349.60 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Putnam County Landfill located at 140 County Landfill Road in Palatka, Florida. Concrete and calcium silicated insulation are all non-hazardous wastes. The tipping fee of $42/ton was obtained from the Putnam County Landfill and dumpster charge of $295/ haul (including driver) for a 20 cubic yard and $325/haul for a 30 cubic yard dumpster.

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located appropriately in the detailed spreadsheet.

Putnam Plant

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PUTNAM DISMANTLEMENT STUDY

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Dumpster Charge	$295.00	/haul	X	1 haul		$295.00
Tipping Fees	$42.00	/ ton	X	30.5 tons	=	1,281.00
Total Cost per round Trip						$1,576.00
Cost per Cubic Yard	$1,576.00	/ 15.38 cubic yards =				$102.47
Plus 10% contractor profit						10.25
Total Cost per Cubic Yard						$112.72
Rounded Cost per Cubic Yard						$113.00

Insulation - Calcium Silicate (Non-Hazardous)

A trailer with a 30 cubic yard capacity is used for insulation as well as for concrete. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons.

Dumpster Charge	$325.00	/haul	X	1 haul		325.00
Tipping Fees	$42.00	/ ton	X	1.82 tons	=	76.44
Total Cost per round Trip						401.44
Cost per Cubic Yard	$401.44	/ 27 cubic yards =				$14.87
Plus 10% contractor profit						1.49
Total Cost per Cubic Yard						$16.35
Rounded Cost per Cubic Yard						$16.00

PUTNAM DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month for site indirect costs.. These expenses are to be incurred over the 12 month dismantlement period for the Putnam Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management,. supervison, security, etc..

Site Management Expenses per month	$47,082
Number of months	12.00
Total Site Management Expenses	$564,984

PUTNAM DISMANTLEMENT STUDY

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. Construction Estimating has updated the costs. The charge for the Intake is $44,128; the cost for the discharge is $35,115. Putnam has 1 Intake and no Discharge:

	Cost/Struct	Quantity	Totals
Intake	$44,128	1	$44,128
Discharge	$35,115	0	$0
			$44,128

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is $63,579 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Putnam Acreage to be graded and seeded	36.10
Cost Factor	$63,579
Total Grading and Seeding Expense	$2,295,202

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At Putnam, the following cost estimates have been identified:

Description	Amount
Asbestos	$15,000
Lead in paint	15,300
Special Waste	1,200
Tanks/Washwater	13,150
Soil/Other Contamination	1,165,000
Total	$1,209,650

PUTNAM DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
PUTNAM COMMON										
FERC Account 341										
Structures & Improvements										
Concrete Pavement	CY	1	4,475.00	4,475.00	36.48	163,248	113.00	505,675	0.00	0
Fire Water Piping	TN	1	92.00	92.00	312.40	28,741	0.00	0	120.00	11,040
Fire Water Tank (100,000 gl)	TN	1	32.43	32.43	312.40	10,131	0.00	0	120.00	3,892
Fire Water Pumps	TN	1	2.00	2.00	312.40	625	0.00	0	120.00	240
Highway Crossing	CY	1	1,774.00	1,774.00	91.20	161,789	113.00	200,462	0.00	0
Barge Unloading Facility - Concrete	CY	1	725.00	725.00	91.20	66,120	113.00	81,925	0.00	0
Barge Unloading Facility - Steel	TN	1	12.70	12.70	234.30	2,976	0.00	0	120.00	1,524
HVAC Ventilating Fan	TN	1	1.00	1.00	312.40	312	0.00	0	120.00	120
Concrete Enclosure	CY	1	50.00	50.00	36.48	1,824	113.00	5,650	0.00	0
Subtotal						435,766		793,712		16,816
Circulating and Service Water System										
Water Pre-treatment Equipment Foundation	CY	1	17.30	17.30	91.20	1,578	113.00	1,955	0.00	0
Water Pre-treatment Equipment	TN	1	20.00	20.00	312.40	6,248	0.00	0	120.00	2,400
Water Storage Tank	TN	1	32.43	32.43	312.40	10,131	0.00	0	120.00	3,892
Intake Structure - Concrete	CY	1	310.00	310.00	91.20	28,272	113.00	35,030	0.00	0
Traveling Water Screens	TN	1	14.00	14.00	312.40	4,374	0.00	0	120.00	1,680
Screen Wash Pumps	TN	2	2.00	4.00	312.40	1,250	0.00	0	120.00	480
Station Bridge Crane	TN	1	75.00	75.00	234.30	17,573	0.00	0	120.00	9,000
Station Bridge Crane - Structural Steel	TN	1	227.00	227.00	234.30	53,186	0.00	0	120.00	27,240
Cooling Tower	CY	1	1,746.84	1,746.84	91.20	159,312	113.00	197,393	0.00	0
Structural Steel	TN	1	12.00	12.00	234.30	2,812	0.00	0	120.00	1,440
Chlorination System	TN	2	6.00	12.00	312.40	3,749	0.00	0	120.00	1,440
Potable Water Piping	TN	1	17.86	17.86	312.40	5,579	0.00	0	120.00	2,143
Potable Water Equipment	TN	1	9.25	9.25	312.40	2,890	0.00	0	120.00	1,110
Demineralizer Pumps	TN	4	1.00	4.00	312.40	1,250	0.00	0	120.00	480
Waste Water Piping	TN	1	120.87	120.87	312.40	37,760	0.00	0	120.00	14,504
Waste Water Piping Supports	TN	1	9.70	9.70	312.40	3,030	0.00	0	120.00	1,164
Waste Water Foundations	CY	1	255.00	255.00	91.20	23,256	113.00	28,815	0.00	0
Waste Water Pumps	TN	20	0.25	5.00	312.40	1,562	0.00	0	120.00	600
Oily Water Separator Tanks (2,500 gl & 125,(	TN	1	43.43	43.43	312.40	13,568	0.00	0	120.00	5,212
Subtotal						377,377		263,193		72,785
Fuel Oil Processing										
Concrete Foundations	CY	1	49.80	49.80	91.20	4,542	113.00	5,627	0.00	0
Steel Supports	TN	1	128.90	128.90	312.40	40,268	0.00	0	120.00	15,468
Subtotal						44,810		5,627		15,468
Total Account 341						857,953		1,062,532		105,068
FERC Account 342										
Fuel Holders										
Fuel Oil Equipment										
Blowdown and Waste Water Tanks - 125,00(	TN	3	421.48	1,264.44	n/a	102,270	n/a	0	120.00	151,733
SE Fuel Oil Tank - 125,000 bbl	TN	1	104.00	104.00	n/a	34,090	n/a	0	120.00	12,480
Fuel Oil Storage Tank - 25,000 bbl	TN	1	103.77	103.77	n/a	34,090	n/a	0	120.00	12,452

PUTNAM DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Fuel Oil Storage Tank - 100,000 bbl	TN	1	337.18	337.18	n/a	0	n/a	0	120.00	40,462
Cleaning Fuel Oil Storage Tanks					n/a	0	n/a	225,000	0.00	0
Remove Sand Base - Fuel Oil Storage Tanks					n/a	0	n/a	141,110	0.00	0
Concrete	CY	1	519.90	519.90	91.20	47,415	113.00	58,749	0.00	0
Jib Crane	TN	1	3.00	3.00	234.30	703	0.00	0	120.00	360
Fuel Oil Piping	TN	1	148.90	148.90	312.40	46,516	0.00	0	120.00	17,868
Insulation for Fuel Oil Piping (15,447 lf)	CY	1	411.92	411.92	71.00	29,246	16.00	6,591	0.00	0
Fuel Oil Pump	TN	1	1.25	1.25	312.40	391	0.00	0	120.00	150
Fuel Transfer Pumps	TN	2	1.25	2.50	312.40	781	0.00	0	120.00	300
Fuel Treatment Equipment	TN	1	137.50	137.50	312.40	42,955	0.00	0	120.00	16,500
Fire Foam Protection System Piping	TN	1	31.77	31.77	312.40	9,925	0.00	0	120.00	3,812
Pipe Supports	TN	1	27.70	27.70	312.40	8,653	0.00	0	120.00	3,324
Heat Exchangers	TN	4	0.77	3.08	312.40	962	0.00	0	120.00	370
Vanadium Tank (90,000 gl)	TN	1	29.10	29.10	312.40	9,091	0.00	0	120.00	3,492
Subtotal						367,088		431,449		263,303
Boiler Equipment										
Auxiliary Steam Boiler Equipment	TN	1	80.00	80.00	234.30	18,744	0.00	0	120.00	9,600
Subtotal						18,744		0		9,600
Miscellaneous Steel & Equipment	TN	1	138.90	138.90	504.10	70,019	0.00	0	120.00	16,668
Total Account 342						455,852		431,449		289,571
FERC Account 343										
Prime Movers										
Cooling Water Pumps	TN	2	2.00	4.00	312.40	1,250	0.00	0	120.00	480
Feedwater Treatment Equipment Foundation	CY	1	112.00	112.00	91.20	10,214	113.00	12,656	0.00	0
Brine System	TN	1	2.00	2.00	312.40	625	0.00	0	120.00	240
Chemical Feed System	TN	1	5.00	5.00	312.40	1,562	0.00	0	120.00	600
Raw Water Pumps	TN	3	4.00	12.00	312.40	3,749	0.00	0	120.00	1,440
Piping	TN	1	331.38	331.38	312.40	103,523	0.00	0	120.00	39,766
Pipe Supports	TN	1	20.50	20.50	312.40	6,404	0.00	0	120.00	2,460
Pipe Insulation (6,088 lf)	CY	1	103.72	103.72	71.00	7,364	16.00	1,660	0.00	0
Fan Blower	TN	1	1.00	1.00	312.40	312	0.00	0	120.00	120
Subtotal						135,003		14,316		45,106
Miscellaneous Steel & Equipment	TN	1	18.74	18.74	504.10	9,447	0.00	0	120.00	2,249
Total Account 343						144,450		14,316		47,354
FERC Account 345										
Accessory Electrical Equipment										
Foundations & Structures										
Manholes	CY	1	272.20	272.20	91.20	24,825	113.00	30,759	0.00	0
Steel Structures & Supports	TN	1	36.90	36.90	234.30	8,646	0.00	0	120.00	4,428
Equipment Foundations - Concrete	CY	1	240.00	240.00	91.20	21,888	113.00	27,120	0.00	0
Subtotal						55,358		57,879		4,428
Power and Conversion Equipment										
Main Power Transformer	TN	4	116.50	932.00	504.10	469,821	0.00	0	120.00	111,840

PUTNAM DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Auxiliary Power Transformer	TN	2	19.00	76.00	504.10	38,312	0.00	0	120.00	9,120
Heat Recovery Steam Generator Transforme	TN	4	4.00	32.00	504.10	16,131	0.00	0	120.00	3,840
Motor Control Center Transformers	TN	16	2.00	64.00	504.10	32,262	0.00	0	120.00	7,680
Transformer Copper	TN	10	2.00	41.60	525.40	21,857	0.00	0	5,000.00	208,000
Storage Battery Systems	TN	3	3.75	11.25	504.10	5,671	0.00	0	120.00	1,350
Emergency Diesel Generator	TN	1	8.00	8.00	504.10	4,033	0.00	0	120.00	960
Subtotal						588,087		0		342,790
Conduit, Insulators and Conductors										
Underground Conduit	TN	1	15.40	15.40	504.10	7,763	0.00	0	120.00	1,848
Concrete	CY	1	103.00	103.00	91.20	9,394	113.00	11,639	0.00	0
Control Wiring	TN	1	110.41	110.41	852.00	94,069	0.00	0	2,100.00	231,861
Power Wiring	TN	1	45.75	45.75	852.00	38,979	0.00	0	2,100.00	96,075
Exposed Conduit	TN	1	38.10	38.10	504.10	19,206	0.00	0	120.00	4,572
Cable Trays	TN	1	18.17	18.17	504.10	9,159	0.00	0	120.00	2,180
Lighting Cable	TN	1	2.96	2.96	852.00	2,522	0.00	0	2,100.00	6,216
Miscellaneous Cable	TN	1	7.00	7.00	852.00	5,964	0.00	0	2,100.00	14,700
Subtotal						187,057		11,639		357,452
Switching, Control and Protection Equipment										
Switchgear - 4,160v Metalclad	TN	1	40.00	40.00	504.10	20,164	0.00	0	120.00	4,800
Disconnect Switches	TN	11	2.35	25.85	504.10	13,031	0.00	0	120.00	3,102
Lightning and Surge Protection	TN	6	0.25	1.50	504.10	756	0.00	0	120.00	180
Station Grounding System	TN	1	10.68	10.68	504.10	5,384	0.00	0	120.00	1,282
Potential Transformers	TN	12	0.60	7.20	504.10	3,630	0.00	0	120.00	864
Subtotal						42,964		0		10,228
Total Account 345						873,466		69,518		714,898
FERC Account 346										
Miscellaneous Power Plant Equipment										
Compressed Air System	TN	1	33.50	33.50	312.40	10,465	0.00	0	120.00	4,020
Total Account 346						10,465		0		4,020
TOTAL PUTNAM COMMON						2,342,187		1,577,815		1,160,912
PUTNAM UNITS 1 & 2										
FERC Account 341										
Other Buildings										
Concrete	CY	1	442.80	442.80	91.20	40,383	113.00	50,036	0.00	0
Structural Steel	TN	1	6.10	6.10	234.30	1,429	0.00	0	120.00	732
Steam Turbine Enclosure	TN	1	33.00	66.00	312.40	20,618	0.00	0	120.00	7,920
Steam Turbine Enclosure - Mechanical Skid	TN	1	13.17	26.34	234.30	6,171	0.00	0	120.00	3,161
Steam Turbine Enclosure - General Auxiliary	TN	1	11.54	23.08	234.30	5,408	0.00	0	120.00	2,770
Gas Turbine Enclosure	TN	2	39.00	156.00	312.40	48,734	0.00	0	120.00	18,720
Gas Turbine Enclosure - Mechanical Skid	TN	2	11.03	44.12	234.30	10,337	0.00	0	120.00	5,294
Gas Turbine Enclosure - General Auxiliary Sk	TN	2	11.54	46.16	234.30	10,815	0.00	0	120.00	5,539
Heat Recovery Steam Generator Enclosure	TN	2	33.00	132.00	312.40	41,237	0.00	0	120.00	15,840
HRSG Enclosure - Auxiliary Skid	TN	2	13.97	55.88	234.30	13,093	0.00	0	120.00	6,706

PUTNAM DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Enclosure Foundations	CY	1	3,240.00	3,240.00	91.20	295,488	113.00	366,120	0.00	0
Subtotal						493,715		416,156		66,682
Total Account 341						493,715		416,156		66,682
FERC Account 343										
Prime Movers										
Gas Turbine	TN	2	131.00	524.00	177.50	93,010	0.00	0	120.00	62,880
Gas Turbine - Starting Package	TN	2	16.00	64.00	234.30	14,995	0.00	0	120.00	7,680
Heat Recovery Steam Generator	TN	2	735.00	2,940.00	177.50	521,850	0.00	0	120.00	352,800
Heat Recovery Steam Generator - Aux. Pack	TN	2	40.25	161.00	234.30	37,722	0.00	0	120.00	19,320
High Pressure Steam Drum	TN	2	24.00	96.00	234.30	22,493	0.00	0	120.00	11,520
Boiler Blowdown Tank	TN	2	1.10	4.40	312.40	1,375	0.00	0	120.00	528
Boiler Feed Pumps (including motors)	TN	2	7.53	30.12	312.40	9,409	0.00	0	120.00	3,614
Concrete	CY	1	100.90	100.90	91.20	9,202	113.00	11,402	0.00	0
Condensate Storage Tank - 150,000 gl	TN	1	41.25	82.50	312.40	25,773	0.00	0	120.00	9,900
Condensate Storage Tank Foundation	CY	1	105.00	210.00	91.20	19,152	113.00	23,730	0.00	0
Condensate Pumps and Motors	TN	2	3.49	13.96	312.40	4,361	0.00	0	120.00	1,675
Condensate Pump Foundations	CY	2	6.00	24.00	91.20	2,189	113.00	2,712	0.00	0
Stacks	TN	4	3.43	27.44	312.40	8,572	0.00	0	120.00	3,293
Subtotal						770,104		37,844		473,210
Miscellaneous Steel & Equipment	TN	1	92.57	92.57	504.10	46,665	0.00	0	120.00	11,108
Total Account 343						816,768		37,844		484,319
FERC Account 344										
Generator Units										
Steam Turbine Generator Unit	TN	2	302.00	604.00	177.50	107,210	0.00	0	120.00	72,480
Steam Turbine Generator Unit - Mech. Aux. F	TN	2	45.25	90.50	234.30	21,204	0.00	0	120.00	10,860
Reinforced Concrete Pedestal	CY	2	990.00	1,980.00	91.20	180,576	113.00	223,740	0.00	0
Turbine Copper	TN	2	35.00	70.00	695.80	48,706	0.00	0	5,000.00	350,000
Gas Turbine Generator	TN	2	155.50	622.00	177.50	110,405	0.00	0	120.00	74,640
Gas Turbine Generator - Mech. Aux. Package	TN	2	50.07	200.28	234.30	46,926	0.00	0	120.00	24,034
Heat Exchangers	TN	2	6.00	24.00	312.40	7,498	0.00	0	120.00	2,880
Stack	TN	4	9.80	78.40	312.40	24,492	0.00	0	120.00	9,408
Piping	TN	1	8.42	8.42	312.40	2,630	0.00	0	120.00	1,010
Pipe Racks and Supports	TN	1	72.30	72.30	312.40	22,587	0.00	0	120.00	8,676
Subtotal						572,233		223,740		553,988
Condensers and Auxiliaries										
Condenser Enclosure	TN	1	26.78	53.56	312.40	16,732	0.00	0	120.00	6,427
Main Condenser	TN	1	122.73	245.46	234.30	57,511	0.00	0	120.00	29,455
Condenser Pad	CY	2	105.00	210.00	91.20	19,152	113.00	23,730	0.00	0
Condenser - Aluminum-Brass Tubes	TN	1	71.27	142.54	504.10	71,854	0.00	0	2,800.00	399,112
Auxiliary Circulating Water Pumps	TN	3	3.36	10.08	312.40	3,149	0.00	0	120.00	1,210
Circulating Water Pumps	TN	2	14.45	57.80	312.40	18,057	0.00	0	120.00	6,936
Condensate Pumps	TN	1	3.13	6.26	312.40	1,956	0.00	0	120.00	751
Piping (4,157 lf)	TN	1	21.57	21.57	312.40	6,738	0.00	0	120.00	2,588
Air Ejectors	TN	2	1.23	4.92	312.40	1,537	0.00	0	120.00	590
Hogging and Priming Ejectors	TN	1	1.23	2.46	312.40	769	0.00	0	120.00	295

PUTNAM DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Subtotal						197,455		23,730		447,365
Miscellaneous Steel & Equipment	TN	1	66.12	66.12	504.10	33,331	0.00	0	120.00	7,934
Total Account 344						803,020		247,470		1,009,288
TOTAL PUTNAM UNITS 1 & 2						2,113,502		701,470		1,560,288
TOTAL PUTNAM COMMON, UNITS 1 & 2						4,455,689		2,279,285		2,721,200

Riviera Plant

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Riviera Plant

The Riviera Plant is located on a 21.7-acre oceanfront site at Riviera Beach, which is approximately 10 miles north of the city of West Palm Beach, Florida. The site consists of two generating units, a switchyard, and all related facilities for a commercial generating station. The original Ebasco Service design for Units No. 3 & 4 was for natural gas or oil-fired operation. The plant has a once-through cooling system using the Atlantic Ocean for both intake and discharge. The two units have a combined maximum generator nameplate rating of 621 megawatts. Units No. 3 and 4 went into commercial operation during 1962 and 1963 respectively. For purposes of this dismantlement study, the estimated retirement dates for these units are as follows:

Unit	Year
Unit 3	2011
Unit 4	2011
Common	2011

The dismantlement of the plants is assumed begin immediately upon their removal from service to accommodate the modernization schedule.

Units No. 3 and 4 essentially consist of one complete General Electric Company condensing steam turbine coupled to a hydrogen-cooled electric generator. Each unit has a Foster Wheeler Corporation outdoor, front-fired, natural circulation, waterwall, radiant-convection, reheat type steam generator. Although normally fueled by natural gas, the units can alternatively be operated by #6 heavy oil. Fuel, oil or gas, is provided primarily through separate pipelines from the Port of Palm Beach, but can also be fed from barges or ships via the ocean. Control of emissions is through mechanical collectors and through controlled sulfur content of the fuel.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Riviera plant in Docket No. 070378-EI, Order No. PSC-08-0095-PAA-EI, issued on February 14, 2008. The current accruals became effective as of January 1, 2007.

RIVIERA
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Production Plant				
	Riviera Common				
311	Structures and Improvements	951,681	2,437,640	318,514	3,070,808
312	Boiler Plant Equipment	13,318	13,260	1,474	25,104
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	15,486	0	74,500	(59,014)
316	Miscellaneous Equipment	1,637	0	732	905
	Subtotal	982,122	2,450,900	395,219	3,037,803
	Other Site Costs:				
	Site Management Expense	564,984			564,984
	Stacks Disposal & Special Waste	439,700			439,700
	Intake & Discharge Backfill	123,371			123,371
	Grading & Seeding	1,551,328			1,551,328
	Subtotal	2,679,383	0	0	2,679,383
	Total	3,661,505	2,450,900	395,219	5,717,186
	Contingency - 16%	585,841	392,144		977,985
	Total Riviera Common	4,247,346	2,843,044	395,219	6,695,171
	Unusable M&S Inventory	1,474,833		147,483	1,327,350
		5,722,179	2,843,044	542,703	8,022,520
	Riviera Units 3 & 4				
311	Structures and Improvements	1,959,520	1,184,964	91,807	3,052,677
312	Boiler Plant Equipment	3,545,288	336,607	1,391,850	2,490,045
314	Turbogenerator Units	1,564,145	314,373	1,962,752	(84,234)
315	Accessory Electrical Equipment	328,749	97,724	776,753	(350,281)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	7,397,701	1,933,668	4,223,162	5,108,207
	Contingency - 16%	1,183,632	309,387		1,493,019
	Total Rivera Units 3 & 4	8,581,333	2,243,055	4,223,162	6,601,226
	Total Dismantlement Costs	14,303,512	5,086,099	4,765,865	14,623,746

RIVIERA
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Riviera Common	2,548,407	3,173,771	2,843,044	542,703	8,022,520
Riviera Units 3 & 4	5,148,800	3,432,533	2,243,055	4,223,162	6,601,226
Total	7,697,207	6,606,305	5,086,099	4,765,865	14,623,746

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

RIVIERA DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The fuel oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits;

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

Only the first 100 feet of each 2,330 foot run of 90 inch sub-aqueous concrete discharge piping will be collapsed and backfilled, because collapsing and backfilling the remainder would disturb the underwater environment of Lake Worth.

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

RIVIERA DISMANTLEMENT ASSUMPTIONS (continued)

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However the dismantlement cost of substation equipment is not included in this study, so as to avoid duplicating the recovery of costs already included in the net salvage factors of the substation plant accounts' depreciation rates.

An expandable grout will be used to dismantle the turbine pedestals. The chimneys will be control-blasted.

The dismantlement of the plants is assumed begin immediately upon their removal from service to accommodate the modernization schedule. The economic recovery dates used for this assumption are as follows:

Units	Economic Recovery Dates
Unit 3	2011
Unit 4	2011
Common	2011

Though some asbestos abatement activity has occurred at Riviera, some amounts of asbestos remain and can be expected to require abatement at final dismantlement. FPL's asbestos abatement contractor, Environmental Services, Inc. has estimated the cost of asbestos removal and disposal at $1,350 per cubic yard. FPL's environmental department recently completed a survey of asbestos quantities at our fossil sites, which estimated the cost to abate the remaining asbestos at Riviera at $1,136,520.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove hazardous materials; i.e., leads (alkaline), acids, solvents, lubricants, oils, chemicals, and gasses.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines and backfill trenches.
- Remove main steam, hot and cold piping, downcomers, valves, and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove intake and discharge structures, equipment pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS
(Continued)

- Remove gas supply metering site, valve stations, underground distribution system.
- Remove solid and liquid wastes from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove fuel oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

RIVIERA DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the Riviera Plant. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$33.14	X	6	=	$198.86
Foreman	$42.08	X	1	=	42.08
Heavy Equipment Operator	$40.10	X	1	=	40.10
Total Cost per hour of 8 man crew					$281.03
Cost per man hour		$281.03	/	8 =	$35.13

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator				27,874.28
Front End Loader				6,234.15
Cutting Equipment				231.75
Total per month				$34,340.18
34,340.18	/	176	hours per month =	195.11
Cost per man hour		$195.11	/ 8 =	$24.39
Plus: amount for small tools				1.07
Total Cost per man hour				$25.46

RIVIERA DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$35.13
Equipment	25.46
Total	$60.58
Rounded	$61.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$66.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$61.00	2.50 MH / Ton	$152.50 / Ton
Heavy Steel (2)	$61.00	3.30 MH / Ton	$201.30 / Ton
General Steel	$61.00	4.40 MH / Ton	$268.40 / Ton
Light Steel	$61.00	7.10 MH / Ton	$433.10 / Ton
Concrete	$66.00	0.48 MH / CY	$31.68 / CY
Reinforced Concrete	$66.00	1.20 MH / CY	$79.20 / CY
Copper-Elect. Cable & Generator Leads &	$61.00	12.00 MH / Ton	$732.00 / Ton
Copper - Generator	$61.00	9.80 MH / Ton	$597.80 / Ton
Copper - Transformer	$61.00	7.40 MH / Ton	$451.40 / Ton
General Insulation	$61.00	1.00 MH / CY	$61.00 / CY
Inground Pipe-Metal(3)	$61.00	6.00 MH / Ton	$366.00 / Ton
Concrete Pipe	$66.00	4.60 MH / Ton	$303.60 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Solid Waste Authority of PBC located at 6554 North Jog Road in West Palm Beach, Florida. Concrete and calcium silicated insulation are all non-hazardous wastes. The tipping fee of $28/ton was obtained from the Palm Beach County Landfill. The dumpster charges, obtained from Southern Waste Systems, are $375 per haul for 20 cubic yard and $475 per haul for a 30 cubic yard dumpster.

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located appropriately in the detailed spreadsheet.

RIVIERA DISMANTLEMENT STUDY

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Dumpster Charge		$375.00	/haul	X	1 haul	=	375.00
Tipping Fees	1	$28.00	/ ton	X	30.5 tons	=	854.00
Total Cost per round Trip							1,229.00
Cost per Cubic Yard		$1,229.00	/ 15.38 cubic yards =				$79.91
Plus 10% contractor profit							7.99
Total Cost per Cubic Yard							$87.90
Rounded Cost per Cubic Yard							$88.00

Insulation

For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons.

Calcium Silicate Insulation

Dumpster Charge	$475.00	/haul	X	1 haul		$475.00
Tipping Fees	$28.00	/ ton	X	1.82 tons	=	50.96
Total Cost per round Trip						$525.96
Cost per Cubic Yard	$525.96	/ 27 cubic yards =				$19.48
Plus 10% contractor profit						1.95
Total Cost per Cubic Yard						$21.43
Rounded Cost per Cubic Yard						$21.00

RIVIERA DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month for site indirect costs.. These expenses are to be incurred over the 18 month dismantlement period for the Sanford Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management,. supervison, security, etc..

Site Management Expenses per month	$47,082
Number of months	12.00
Total Site Management Expenses	$564,984

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. Construction Estimating has updated the costs. The charge for the intake is $44,128; the cost for the discharge is $35,115. Riviera has 2 Intakes and 1 Discharge:

	Cost/Unit	Quantity	
Intakes	$44,128	2	$88,256
Discharges:	$35,115	1	$35,115
Total Cost:			$123,371

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is $63,579 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Riviera Acreage to be graded and seeded	24.4
Cost Factor	$63,579
Total Grading and Seeding Expense	$1,551,328

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At Riviera, the following cost estimates have been identified:

Description	Amount
Asbestos [see Units 3 & 4 detail]	$1,136,520
Lead in paint	15,300
Basins Clean Out/Material	75,000
Special Waste	122,500
Tanks/Washwater	56,250
Soil/Other Contamination	170,650
Total	$1,576,220

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
RIVIERA COMMON										
FERC Account 311										
Improvements to Site										
Concrete - Roads	CY	1	1,030.58	1,030.58	31.68	32,649	88.00	90,691	0.00	0
Concrete - Yard Paving	CY	1	494.67	494.67	31.68	15,671	88.00	43,531	0.00	0
Potable & Sanit Water Lines-Cast Iron	TN	1	18.93	18.93	366.00	6,928	0.00	0	120.00	2,272
Fire Protection System	TN	1	2.88	2.88	433.10	1,247	0.00	0	120.00	346
Sewer System - Cast Iron	TN	1	1.69	1.69	366.00	619	0.00	0	120.00	203
Sewer System - Concrete	TN	1	191.72	191.72	303.60	58,206	0.00	0	0.00	0
Manholes & Catch Basins	CY	1	38.31	38.31	79.20	3,034	88.00	3,371	0.00	0
Subtotal						118,355		137,593		2,820
Condensing and Service Water System										
Water Treatment Equipment	TN	1	45.00	45.00	268.40	12,078	0.00	0	120.00	5,400
Water Treatment Area Slab	CY	1	271.00	271.00	79.20	21,463	88.00	23,848	0.00	0
Elevated Water Tank - 75,000 gl	TN	1	128.61	128.61	268.40	34,519	0.00	0	120.00	15,433
Service Water Supply Sys - Cast Iron	TN	1	85.08	85.08	366.00	31,139	0.00	0	120.00	10,210
Disch Piping-90" Concrete Pipe(200 ft)	TN	1	274.00	274.00	303.60	83,186	0.00	0	0.00	0
Subtotal						182,386		23,848		31,043
Station Structures										
Administration Bldg - Struct Steel	TN	1	380.00	380.00	201.30	76,494	0.00	0	120.00	45,600
Administration Building - Concrete	CY	1	3,676.00	3,676.00	79.20	291,139	88.00	323,488	0.00	0
Station Crane	TN	1	96.75	96.75	201.30	19,476	0.00	0	120.00	11,610
Elevator	TN	1	37.60	37.60	201.30	7,569	0.00	0	120.00	4,512
Subtotal						394,678		323,488		61,722
Fuel & Ash Structures										
Fuel Oil Storage Tank - 268,000 bbl	TN	1	925.00	925.00	n/a	51,136	0.00	0	120.00	111,000
Fuel Oil Storage Tank - 130,000 bbl	TN	1	424.89	424.89	n/a	34,090	0.00	0	120.00	50,987
Fuel Oil Storage Tank - 55,000 bbl	TN	2	230.00	460.00	n/a	68,180	0.00	0	120.00	55,200
Fuel Oil Storage Tank - 110,000 bbl-Fnd	CY	1	400.00	400.00	n/a	n/a	n/a	95,645	0.00	0
Cleaning Fuel Oil Storage Tanks	BL	1			n/a	n/a	n/a	1,500,000	0.00	0
Sand Base-Fuel Oil Storage Tanks	CY	1			n/a	n/a	n/a	254,590	0.00	0
Pump Slab & Foundations	CY	1	165.50	165.50	79.20	13,108	88.00	14,564	0.00	0
Fuel Oil Suction Heaters	TN	3	2.35	7.05	268.40	1,892	0.00	0	120.00	846
Chemical Storage Tanks	TN	1	7.80	7.80	268.40	2,094	0.00	0	120.00	936
Subtotal						170,499		1,864,799		218,969
Other Buildings										
Concrete	CY	1	999.00	999.00	79.20	79,121	88.00	87,912	0.00	0
Structural Steel	TN	1	33.00	33.00	201.30	6,643	0.00	0	120.00	3,960
Subtotal						85,764		87,912		3,960
Total Account 311						951,681		2,437,640		318,514

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Metering Tank Foundation	CY	1	95.00	95.00	n/a	n/a	n/a	0	0.00	0
Fuel Oil Metering Tank - 5,000 bbl	TN	1	28.00	28.00	n/a	0	n/a	0	0.00	0
Cleaning Fuel Oil Storage Tanks	EA	1	1.00	1.00	n/a	n/a	n/a	0	0.00	0
Sand Base-Fuel Oil Storage Tanks	EA	1	1.00	1.00	n/a	n/a	n/a	0	0.00	0
Light Oil Tank	TN	1	12.28	12.28	n/a	6,818	n/a	0	120.00	1,474
Light Oil Foundation	CY	1	95.00	95.00	n/a	0	n/a	7,518	0.00	0
Cleaning of Light Oil Tank	BL	1	1.00	1.00	n/a	6,500	n/a	5,742	0.00	0
Total Account 312						13,318		13,260		1,474
FERC Account 315										
Accessory Electrical Equipment										
Power and Conversion Equipment										
Startup Transformer	TN	1	37.25	37.25	201.30	7,498	0.00	0	0.00	0
Transformer Copper	TN	1	14.90	14.90	451.40	6,726	0.00	0	5,000.00	74,500
Storage Battery Equipment	TN	1	4.70	4.70	268.40	1,261	0.00	0	0.00	0
Total Account 315						15,486		0		74,500
FERC Account 316										
Miscellaneous Power Plant Equipment										
Compressed Air System	TN	1	6.10	6.10	268.40	1,637	0.00	0	120.00	732
Total Account 316						1,637		0		732
TOTAL RIVIERA COMMON						982,122		2,450,900		395,219
RIVIERA UNITS 3 & 4										
FERC Account 311										
Condensing and Service Water System										
Intake Cooling Water Pumps	TN	2	1.15	4.60	268.40	1,235	0.00	0	120.00	552
Intake Structure - Concrete	CY	1	918.00	1,836.00	79.20	145,411	88.00	161,568	0.00	0
Intake Structure - Steel	TN	1	18.00	36.00	201.30	7,247	0.00	0	120.00	4,320
Traveling Water Screens	TN	2	13.28	53.12	201.30	10,693	0.00	0	120.00	6,374
Trash Rake	TN	1	0.55	1.10	433.10	476	0.00	0	120.00	132
Screen Wash Pumps	TN	1	0.52	1.04	433.10	450	0.00	0	120.00	125
Intake Conduit - 60" Concrete Pipe	CY	1	394.33	788.66	303.60	239,437	0.00	0	0.00	0
Concrete	CY	1	801.00	1,602.00	79.20	126,878	88.00	140,976	0.00	0
Discharge Conduit - 90" Concrete Pipe	CY	1	1,170.66	2,341.32	303.60	710,825	0.00	0	0.00	0
Concrete	CY	1	1,494.00	2,988.00	79.20	236,650	88.00	262,944	0.00	0
Seal Well Concrete Structure	CY	1	210.00	420.00	79.20	33,264	88.00	36,960	0.00	0
Subtotal						1,512,566		602,448		11,503

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Station Structures										
Concrete Pedestal Mat	CY	1	703.50	1,407.00	79.20	111,434	88.00	123,816	0.00	0
Structural Steel	TN	1	289.00	578.00	201.30	116,351	0.00	0	120.00	69,360
Miscellaneous Steel & Handrails	TN	1	39.50	79.00	268.40	21,204	0.00	0	120.00	9,480
Floors - Concrete	CY	1	1,175.25	2,350.50	31.68	74,464	88.00	206,844	0.00	0
Footings, Piers & Grade Beams	CY	1	1,120.00	2,240.00	31.68	70,963	88.00	197,120	0.00	0
Concrete Floodwall	CY	1	311.00	622.00	79.20	49,262	88.00	54,736	0.00	0
Misc. Cranes & Hoists	TN	1	6.10	12.20	268.40	3,274	0.00	0	120.00	1,464
Subtotal						446,953		582,516		80,304
Total Account 311						1,959,520		1,184,964		91,807
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Burner Pumps	TN	6	0.83	9.96	433.10	4,314	0.00	0	120.00	1,195
Fuel Oil Piping	TN	1	20.56	41.12	268.40	11,037	0.00	0	120.00	4,934
Forced Draft Fan Foundations	CY	1	138.75	277.50	79.20	21,978	88.00	24,420	0.00	0
Forced Draft Fans	TN	2	26.80	107.20	268.40	28,772	0.00	0	120.00	12,864
Forced Draft Fan Air Ducts	TN	1	40.00	80.00	268.40	21,472	0.00	0	120.00	9,600
Insulation for FD Fan Air Ducts	CY	1	8.00	16.00	61.00	976	21.00	336	0.00	0
Insulation for FD Fan Air Ducts	CY	1	48.27	36.54	61.00	2,229	21.00	767	0.00	0
Subtotal						90,778		25,523		28,594
Boiler Equipment										
Boiler Frame	TN	1	950.00	1,900.00	201.30	382,470	0.00	0	120.00	228,000
Platforms, Grating & Handrails	TN	1	410.50	821.00	268.40	220,356	0.00	0	120.00	98,520
Boiler - including:	TN	1	3,188.18	6,376.36	201.30	1,283,561	0.00	0	120.00	765,163
Drum, Waterwall, Downcomers & Tubes										
Piping, Valves & Silencers										
Radiant & Convection Superheaters										
Reheater, Economizer & Sootblowers										
Air Preheaters										
Boiler Insulation	CY	1	281.00	562.00	1,250.00	702,500	100.00	56,200	0.00	0
Boiler Insulation	CY	1	40.00	80.00	61.00	4,880	21.00	1,680	0.00	0
Instrument Air Compressors	TN	1	2.00	4.00	268.40	1,074	0.00	0	120.00	480
Subtotal						2,594,841		57,880		1,092,163
Boiler Plant Auxiliaries										
Feedwater Heater #1	TN	1	51.20	102.40	268.40	27,484	0.00	0	120.00	12,288
Feedwater Heater #2	TN	1	32.85	65.70	268.40	17,634	0.00	0	120.00	7,884
Feedwater Heater #3	TN	1	10.85	21.70	268.40	5,824	0.00	0	120.00	2,604
Feedwater Heater #4	TN	1	12.70	25.40	268.40	6,817	0.00	0	120.00	3,048
Feedwater Heater #5	TN	1	13.05	26.10	268.40	7,005	0.00	0	120.00	3,132
Feedwater Heater #6	TN	1	12.80	25.60	268.40	6,871	0.00	0	120.00	3,072
Deaerator	TN	1	73.78	147.56	201.30	29,704	0.00	0	120.00	17,707
Boiler Feed Pumps (including motors)	TN	3	36.50	219.00	201.30	44,085	0.00	0	120.00	26,280
Concrete	CY	1	84.50	169.00	31.68	5,354	88.00	14,872	0.00	0
Condensate Storage Tank - 100,000 gl	TN	1	18.50	37.00	201.30	7,448	0.00	0	120.00	4,440
Condensate Storage Tank Foundation	CY	1	44.00	88.00	79.20	6,970	88.00	7,744	0.00	0
Heater Drain Pump	TN	1	0.83	1.66	433.10	719	0.00	0	120.00	199

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Condensate Recovery Tank - 2,600 gl	TN	1	5.60	11.20	268.40	3,006	0.00	0	120.00	1,344
Chemical Feed System	TN	1	5.00	10.00	268.40	2,684	0.00	0	120.00	1,200
Cooling Water Pump	TN	2	1.15	4.60	268.40	1,235	0.00	0	120.00	552
Cooling Water Heat Exchanger	TN	3	7.35	44.10	268.40	11,838	0.00	0	120.00	5,292
Cooling Water Surge Tank - 4,500 gl	TN	1	1.79	3.58	268.40	961	0.00	0	120.00	430
Subtotal						185,637		22,616		89,472
Boiler Plant Piping										
Piping, Valves and Fittings	TN	1	350.00	700.00	268.40	187,880	0.00	0	120.00	84,000
Pipe Insulation	CY	1	50.00	100.00	61.00	6,100	21.00	2,100	0.00	0
Pipe Insulation	CY	1	350.00	269.23	61.00	16,423	21.00	5,654	0.00	0
Subtotal						210,403		7,754		84,000
Induced Draft Equipment										
Stacks	CY	1	663.00	1,326.00	79.20	105,019	88.00	116,688	0.00	0
Breeching	TN	1	70.00	140.00	268.40	37,576	0.00	0	120.00	16,800
Stack Foundation	CY	1	573.50	1,147.00	79.20	90,842	88.00	100,936	0.00	0
Ducts & Dust Collectors	TN	1	135.65	271.30	268.40	72,817	0.00	0	120.00	32,556
Induced Draft Fans	TN	2	23.20	92.80	201.30	18,681	0.00	0	120.00	11,136
Fan Foundations	CY	2	14.80	59.20	79.20	4,689	88.00	5,210	0.00	0
Subtotal						329,624		222,834		60,492
Miscellaneous Steel & Equipment	TN	1	309.41	309.41	433.10	134,005	0.00	0	120.00	37,129
Total Account 312						3,545,288		336,607		1,391,850
FERC Account 314										
Turbo-Generator Units										
Pedestal Concrete	CY	1	1,413.50	2,827.00	79.20	223,898	88.00	248,776	0.00	0
Inserts & Anchor Bolts	TN	1	9.01	18.02	433.10	7,804	0.00	0	120.00	2,162
Turbo-Generator Unit	TN	1	852.00	1,704.00	152.50	259,860	0.00	0	120.00	204,480
Turbine Copper	TN	1	75.00	150.00	597.80	89,670	0.00	0	5,000.00	750,000
Turbine Piping	TN	1	220.00	440.00	268.40	118,096	0.00	0	120.00	52,800
Turbine Insulation - Asbestos	CY	1	140.00	280.00	1,250.00	350,000	100.00	28,000	0.00	0
Turbine Insulation	CY	1	630.00	1,260.00	61.00	76,860	21.00	26,460	0.00	0
Subtotal						1,126,189		303,236		1,009,442
Condensers and Auxiliaries										
Condenser Shell	TN	1	425.00	850.00	201.30	171,105	0.00	0	120.00	102,000
Condenser - Aluminum-Brass Tubes	TN	1	141.50	283.00	433.10	122,567	0.00	0	2,800.00	792,400
Circulating Water Pumps	TN	2	58.40	233.60	201.30	47,024	0.00	0	120.00	28,032
Butterfly Valves	TN	4	6.40	51.20	268.40	13,742	0.00	0	120.00	6,144
Condensate Pumps	TN	2	6.50	26.00	268.40	6,978	0.00	0	120.00	3,120

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Concrete	CY	1	6.50	13.00	31.68	412	88.00	1,144	0.00	0
Lube Oil Purif Sys-6,500 gl Tank	TN	1	6.99	13.98	n/a	5,000	0.00	0	120.00	1,678
L.O. Tank - Cleaning		1	n/a	n/a	n/a	0	n/a	4,480	n/a	0
L.O. Tank -		1	n/a	n/a	n/a	0	n/a	5,513	n/a	0
Steam Jet Air Ejector	TN	1	2.50	5.00	268.40	1,342	0.00	0	120.00	600
Subtotal						368,170		11,137		933,974
Miscellaneous Steel & Equipment	TN	1	161.13	161.13	433.10	69,785	0.00	0	120.00	19,336
Total Account 314						1,564,145		314,373		1,962,752
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Steel Structures & Supports	TN	1	2.00	4.00	268.40	1,074	0.00	0	120.00	480
Equipment Foundations - Concrete	CY	1	94.00	188.00	79.20	14,890	88.00	16,544	0.00	0
Switchgear Foundations - Concrete	CY	1	109.00	218.00	79.20	17,266	88.00	19,184	0.00	0
Manholes and Handholes	CY	1	27.50	55.00	79.20	4,356	88.00	4,840	0.00	0
Subtotal						37,585		40,568		480
Power and Conversion Equipment										
Aux Power Transformer	TN	1	37.25	74.50	201.30	14,997	0.00	0	120.00	8,940
Transformer Copper	TN	1	16.72	16.72	451.40	7,549	0.00	0	5,000.00	83,620
Station Service Transformers	TN	2	4.35	17.40	268.40	4,670	0.00	0	120.00	2,088
Lighting Transformers	TN	8	0.21	3.36	433.10	1,455	0.00	0	120.00	403
Subtotal						28,671		0		95,051
Conduit, Insulators and Conductors										
Concrete - UG Duct	CY	1	324.75	649.50	79.20	51,440	88.00	57,156	0.00	0
Conductors - Generator Leads	TN	1	18.00	36.00	732.00	26,352	0.00	0	5,000.00	180,000
Power Wiring	TN	1	46.48	92.96	732.00	68,047	0.00	0	2,100.00	195,216
Control Wiring	TN	1	56.43	112.86	732.00	82,614	0.00	0	2,100.00	237,006
Cable Trays	TN	1	7.00	14.00	433.10	6,063	0.00	0	120.00	1,680
Subtotal						234,516		57,156		613,902
Switching, Control and Protective Equip										
Switchgear - 4,160v Metalclad	TN	1	40.00	80.00	201.30	16,104	0.00	0	120.00	9,600
Switchgear - 480v Metalclad	TN	1	18.00	36.00	201.30	7,247	0.00	0	120.00	4,320
Station Grounding System	TN	1	10.68	10.68	433.10	4,626	0.00	0	5,000.00	53,400
Subtotal						27,976		0		67,320
Total Account 315						328,749		97,724		776,753
TOTAL RIVIERA UNITS 3 & 4						7,397,701		1,933,668		4,223,162
TOTAL RIVIERA COMMON, UNITS 3 & 4						8,379,823		4,384,568		4,618,381

Sanford Plant

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Sanford Plant

The Sanford Plant is located on 1,718 acres. 1,100 acres of this is dedicated to Units 4 and 5 cooling water supply. The site borders St Johns River and is located in the city of Debary, Florida in Volusia County. At this site there were three oil/gas fired units, Units No. 3, 4, and 5 in which Units 4 and 5 have been converted to combined cycle operation with Unit 3 remaining in its original operating configuration.

Unit 3 was designed by Ebasco Services as oil/gas-fired operation. Unit No. 3 went into commercial operation in 1959 with approximately 160 megawatts of output. Unit 3 will continue to operate in its present configuration.

The original Mid Valley design for Units No. 4 and 5 were for oil-fired operation, with provisions for future conversion to natural gas. Units No. 4 and 5 went into commercial operation in the years 1972 and 1973 respectively with generating capacity of approximately 800 megawatts. Units 4 and 5 were converted to natural fuel gas capability in 1991 and 1993 respectively. Upon completion of the re-powering project of Units 4 and 5, the site will consist of a eight natural gas fired combustion turbines and two steam turbines running in the combined cycle mode.

Unit 4 is a 4 on 1 combined cycle unit consisting of 4 GE 7FA combustion turbines, 4 Foster Wheeler Heat Recovery Steam Generators (HRSG), and one Westinghouse steam turbine. The Unit 4 combined cycle unit went into commercial operation in 2003.

Unit 5 is a 4 on 1 combined cycle unit consisting of 4 GE 7FA combustion turbines, 4 Foster Wheeler Heat Recovery Steam Generators (HRSG), and one Westinghouse steam turbine. Unit 5 combustion turbines went into commercial operation May 2002. The Unit 5 steam turbine went into commercial operation June of 2003.

The generation output of Unit 4 and 5 combined cycle units is 2,064 megawatts, more than double the original output.

The economic recovery date of Unit 4 is 2028. The economic recovery date of Unit 5 is 2027. The dismantlement of the plants is assumed to require 2 years beginning in 2032 for Unit 5 and 2033 for Unit 4. The gas turbines' economic recovery date is 2020. Their dismantlement is assumed to occur over a two year period beginning in 2025.

Regarding the re-powering effort, all equipment related to the old steam supply systems for the original Units 4 and 5 are being dismantled and those items have been removed from the dismantlement study. A listing of the newly installed equipment, along with its weights and additional volumes of concrete has been obtained from the contractor and included in the study.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Fort Myers plant in Docket No. 070378-EI, Order No. PSC-08-0095-PAA-EI, issued on February 14, 2008. The current accruals became effective as of January 1, 2007.

SANFORD
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Sanford Common				
	Production Plant				
311	Structures and Improvements	1,045,386	387,670	212,464	1,220,593
312	Boiler Plant Equipment	0	0	0	0
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	0	0	0	0
316	Miscellaneous Equipment	2,060	721	546	2,235
	Subtotal	1,047,446	388,391	213,010	1,222,828
	Other Site Costs:				
	Site Management Expense	847,476			847,476
	Other Site Contamination & Special Waste	765,271			765,271
	Intake & Discharge Backfill	158,486			158,486
	Grading & Seeding	2,899,202			2,899,202
	Subtoal	4,670,435	0	0	4,670,435
	Total	5,717,881	388,391	213,010	5,893,263
	Contingency - 16%	914,861	62,143		977,004
	Total Sanford Common	6,632,742	450,534	213,010	6,870,267
	Unusable M&S Inventory	3,342,226		334,223	3,008,003
		9,974,968	450,534	547,232	9,878,270
	Sanford Unit 3				
311	Structures and Improvements	934,775	670,408	92,166	1,513,018
312	Boiler Plant Equipment	2,203,308	569,030	511,537	2,260,801
314	Turbogenerator Units	750,254	142,411	588,073	304,592
315	Accessory Electrical Equipment	206,769	21,836	381,002	(152,396)
316	Miscellaneous Equipment	3,502	1,133	960	3,675
	Subtotal	4,098,610	1,404,819	1,573,738	3,929,690
	Contingency - 16%	655,778	224,771		880,549
	Total Sanford Unit 3	4,754,387	1,629,590	1,573,738	4,810,239
	Sanford Units 4 & 5				
341	Structures and Improvements	2,247,155	1,849,837	154,757	3,942,235
342	Fuel Holders and Storage	148,245	156,194	23,334	281,105
343	Prime Movers	10,896,200	2,943,611	4,176,251	9,663,560
344	Turbogenerator Units	1,791,570	650,246	1,964,781	477,035
345	Accessory Electrical Equipment	2,397,112	538,690	1,203,759	1,732,042
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	17,480,281	6,138,579	7,522,882	16,095,978
	Contingency - 16%	2,796,845	982,173		3,779,018
	Total Sanford Units 4 & 5	20,277,126	7,120,751	7,522,882	19,874,995
	Total Dismantlement Costs	35,006,482	9,200,875	9,643,852	34,563,505

SANFORD
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Sanford Common	3,979,645	5,995,323	450,534	547,232	9,878,270
Sanford Unit 3	2,852,632	1,901,755	1,629,590	1,573,738	4,810,239
Sanford Units 4 & 5	12,166,276	8,110,850	7,120,751	7,522,882	19,874,995
Total	18,998,553	16,007,928	9,200,875	9,643,852	34,563,505

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

SANFORD DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The fuel oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc.;

b. All underground gas, oil, sewer and water piping and electrical conduits;

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

Only the first 100 feet of each 2,330 foot run of 90 inch sub-aqueous concrete discharge piping will be collapsed and backfilled, because collapsing and backfilling the remainder would disturb the underwater environment of Lake Worth.

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins, due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

SANFORD DISMANTLEMENT ASSUMPTIONS (continued)

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However the dismantlement cost of substation equipment is not included in this study so as to avoid duplicating the recovery of costs already included in the net salvage factors of the substation plant accounts' depreciation rates.

An expandable grout will be used to dismantle the turbine pedestals. The chimneys will be control-blasted.

It is assumed that the cooling reservoir at the Sanford site will not be back-filled. The State of Florida has expressed an interest in using them for water management purposes. Also, some communities have indicated interest in their potential use as a source of water.

It is assumed that dismantlement activity at Sanford will begin five years after end of service. For Units 4, 5 and Common Plant, the end of service dates used for this assumption conform to the economic recovery period ending dates used in the Sanford depreciation study submitted in March, 2005 using actual and estimated plant and reserve data as of December 31, 2005. This study was accepted as part of the stipulation and settlement agreement that resolved the 2005 rate case and was approved by the Florida Public Service Commission in Docket Number 050188-EI, Order Number PSC-05-0902-S-EI on September 14, 2005. The economic recovery dates for the Sanford units are as follows:

Unit	Economic Recovery Date
Unit 3	2020
Unit 4	2028
Unit 5	2027
Common Plant	2028

Substantial asbestos abatement has occurred in connection with the re-powering of Sanford Units 4 and 5. Still, some amounts of asbestos remain and can be expected to require abatement at final dismantlement. FPL's Environmental Department recently completed a survey of asbestos at FPL's production plant sites. It was determined that the cost of abating the remaining asbestos at the Sanford site is $1,101,767.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove hazardous materials; i.e., leads (alkaline), acids, solvents, lubricants, oils, chemicals, and gasses.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines and backfill trenches.
- Remove main steam, hot and cold piping, downcomers, valves, and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove intake and discharge structures, equipment pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS
(Continued)

- Remove gas supply metering site, valve stations, underground distribution system.
- Remove solid and liquid wastes from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove fuel oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the Sanford Plant. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$38.56	X	6	=	$231.34
Foreman	$48.95	X	1	=	$48.95
Heavy Equipment Operator	$46.65	X	1	=	$46.65
Total Cost per hour of 8 man crew					$326.94
Cost per man hour		$326.94	/ 8	=	$40.87

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator				34,370.00
Front End Loader				6,824.90
Cutting Equipment				231.75
Total per month				41,426.65
$41,427	/ 176	hours per month =		235.38
Cost per man hour		$235.38	/ 8 =	$29.42
Plus: amount for small tools				1.00
Total Cost per man hour				$30.42

SANFORD DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$40.87
Equipment	30.42
Total	$71.29
Rounded	$71.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$76.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate.

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$71.00	2.50 MH / Ton	$177.50 / Ton
Heavy Steel (2)	$71.00	3.30 MH / Ton	$234.30 / Ton
General Steel	$71.00	4.40 MH / Ton	$312.40 / Ton
Light Steel	$71.00	7.10 MH / Ton	$504.10 / Ton
Concrete	$76.00	0.48 MH / CY	$36.48 / CY
Reinforced Concrete	$76.00	1.20 MH / CY	$91.20 / CY
Copper-Elect. Cable & Generator Leads &	$71.00	12.00 MH / Ton	$852.00 / Ton
Copper - Generator	$71.00	9.80 MH / Ton	$695.80 / Ton
Copper - Transformer	$71.00	7.40 MH / Ton	$525.40 / Ton
General Insulation	$71.00	1.00 MH / CY	$71.00 / CY
Inground Pipe-Metal(3)	$71.00	6.00 MH / Ton	$426.00 / Ton
Concrete Pipe	$76.00	4.60 MH / Ton	$349.60 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the disposal costs of non-hazardous wastes at the Osceola Road Landfill, in Seminole County. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of $33.17 per ton was obtained from the landfill. The dumpster charges, $425.00 per haul for 20 and 30 cubic yard dumpsters, respectively were provided by Waste Management Inc., of Orlando.

Cost factors were also developed to compute the cost of disposal of hazardous waste, e.g., soil remediation around the oil tanks. The cost factor for cleaning the oil tanks is included in this group.

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Truck Cost	$425.00	/haul		1 haul	=	425.00
Tipping Fees	$33.17	/ ton	X	30.5 tons	=	1,011.69
Total Cost per round Trip						1,436.69
Cost per Cubic Yard	$1,436.69	/ 15.38 cubic yards =				$93.41
Plus 10% contractor profit						9.34
Total Cost per Cubic Yard						$102.75
Rounded Cost per Cubic Yard						$103.00

Insulation - Calcium Silicate (Non-Hazardous)

A trailer with a 30 cubic yard capacity is used for insulation because of its lighter weight. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons. (The dumpster charge is the same for 20 and 30 CY dumpsters.)

Truck Cost	$425.00	/ haul	X	1 haul	=	425.00
Tipping Fees	$33.17	/ ton	X	1.82 tons	=	60.37
Total Cost per round Trip						485.37
Cost per Cubic Yard	$485.37	/ 27 cubic yards =				$17.98
Plus 10% contractor profit						1.80
Total Cost per Cubic Yard						$19.77
Rounded Cost per Cubic Yard						$20.00

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month for site indirect costs.. These expenses are to be incurred over the 18 month dismantlement period for the Sanford Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management,. supervison, security, etc..

Site Management Expenses per month	$47,082
Number of months	18
Total Site Management Expenses	$847,476

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. Construction Estimating has updated the costs. The charge for the Intake is $44,128; the cost for the discharge is $35,115. Sanford has 2 Intakes and 2 Discharges:

	Cost/ Struct	Quantity	Totals
Intake	$44,128	2	$88,256
Discharge	$35,115	2	$70,230
			$158,486

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is $63,579 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Sanford Acreage to be graded and seeded	45.60
Cost Factor	$63,579
Total Grading and Seeding Expense	$2,899,202

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At Sanford, the following cost estimates have been identified:

Description	Amount
Asbestos [see Unit 3 detail]	$1,101,767
Lead in paint/material	$300
Basins Clean Out/ Material	$36,450
Special Waste	$632,003
Tanks/Washwater	55,718
Soil/Other Contamination	40,800
Total	$1,867,038

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
SANFORD COMMON										
FERC Account 341										
Improvements to Site										
Access Roads and Parking Areas	CY	1	3,140.00	3,140.00	36.48	114,547	103.00	323,420	0.00	0
Concrete Walkways	CY	1	81.07	81.07	36.48	2,957	103.00	8,350	0.00	0
Station Sign - Concrete	CY	1	11.00	11.00	91.20	1,003	103.00	1,133	0.00	0
Station Sign - Concrete Foundation	CY	1	7.11	7.11	91.20	648	103.00	732	0.00	0
Rail System Complete - (3520 ties, 5280 LF of rail)	TN	1	352.00	352.00	504.10	177,443	0.00	0	120.00	42,240
Yard Lighting Complete	CY	1	55.00	55.00	91.20	5,016	103.00	5,665	0.00	0
Subtotal						301,615		339,301		42,240
Domestic Water Distribution System and Water Treatment										
Service Water Booster Pump	TN	1	3.00	3.00	504.10	1,512	0.00	0	120.00	360
Yard Fire Protection - System Complete	TN	1	32.66	32.66	504.10	16,464	0.00	0	120.00	3,919
Lawn Sprinkler System - Incl. Pumps w/ Motors, Compl.	TN	1	5.00	5.00	504.10	2,521	0.00	0	120.00	600
Acid Mixing Pumps and Piping system-Water Treatment	TN	1	85.00	85.00	504.10	42,849	0.00	0	120.00	10,200
Cooling Resv. Make-up Pumps	TN	2	1.00	2.00	504.10	1,008	0.00	0	120.00	240
Cooling Resv. Make-up Piping	TN	1	66.68	66.68	504.10	33,613	0.00	0	120.00	8,002
Well Filed Pumps	TN	1	2.00	2.00	504.10	1,008	0.00	0	120.00	240
Piping from Well Field to raw water Storage	TN	1	527.60	527.60	504.10	265,963	0.00	0	120.00	63,312
Storm Drain Piping complete	TN	1	245.18	245.18	349.60	85,715	n/a	0	0.00	0
Ground Water Storage Tank(150,000 gal)	TN	1	202.50	202.50	312.40	63,261	0.00	0	120.00	24,300
Elevated Water Storage Tank - 80,000 Gallons	TN	1	108.00	108.00	312.40	33,739	0.00	0	120.00	12,960
Elevated Water Storage Tank - Foundation-Concrete	CY	1	40.00	40.00	36.48	1,459	103.00	4,120	0.00	0
Treated Water Transfer Pump	TN	1	1.00	1.00	504.10	504	0.00	0	120.00	120
Elevated Water Storage Tank(100,000 gal)	TN	1	135.09	135.09	312.40	42,202	0.00	0	120.00	16,211
Fire Protection - Raw Water Fire Pump	TN	1	1.00	1.00	504.10	504	0.00	0	120.00	120
Fire Protection - F/Pump concrete slab	CY	1	6.50	6.50	91.20	593	103.00	670	0.00	0
Subtotal						592,916		4,790		140,584
Station Structures										
Results Building - R/Concrete Foundn	CY	1	17.50	17.50	91.20	1,596	103.00	1,803	0.00	0
Results Building - concrete block walls	CY	1	7.57	7.57	36.48	276	103.00	780	0.00	0
Spare Parts Warehouse - Structural Steel	TN	1	67.00	67.00	504.10	33,775	0.00	0	120.00	8,040
Spare Parts Warehouse - Foundation - Concrete	CY	1	83.33	83.33	91.20	7,600	103.00	8,583	0.00	0
Hydrogen Storage Biulding(18x9)	CY	1	5.69	5.69	36.48	208	103.00	586	0.00	0
Records Storage Building - concrete	CY	1	15.72	15.72	36.48	573	103.00	1,619	0.00	0
Electrical Storage Building - concrete	CY	1	41.44	41.44	36.48	1,512	103.00	4,268	0.00	0
Insulation Storage Building - concrete	CY	1	20.80	20.80	36.48	759	103.00	2,142	0.00	0
Training Building - concrete	CY	1	114.87	114.87	36.48	4,190	103.00	11,832	0.00	0
Electrical Motor Repair Building - butler	TN	1	60.00	60.00	504.10	30,246	0.00	0	120.00	7,200
Electrical Motor Repair shop - steel(incl crane)	TN	1	30.00	30.00	504.10	15,123	0.00	0	120.00	3,600
Instrument & Control Building - butler	TN	1	42.00	42.00	504.10	21,172	0.00	0	120.00	5,040
Fabrication Building - butler	TN	1	44.00	44.00	504.10	22,180	0.00	0	120.00	5,280
Lab Building - Concrete Block Walls(51x33)	CY	1	17.69	17.69	36.48	645	103.00	1,822	0.00	0
Lab Building - Concrete Foundation(51x33x6)	CY	1	93.50	93.50	91.20	8,527	103.00	9,631	0.00	0
Subtotal						148,383		43,065		29,160
Sanford Boathouse Facility										

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Structure - Steel - Boathouse	TN	1	4.00	4.00	504.10	2,016	0.00	0	120.00	480
Foundation and Seawall - concrete- boathouse	CY	1	5.00	5.00	91.20	456	103.00	515	0.00	0
Subtotal						2,472		515		480
Total Account 341						1,045,386		387,670		212,464
FERC Account 346										
Miscellaneous Power Plant Equipment										
Service Air Compressor	TN	1	4.55	4.55	312.40	1,421	0.00	0	120.00	546
Serv. Air Compressor - Concrete Foundation	CY	1	7.00	7.00	91.20	638	103.00	721	0.00	0
Total Account 346						2,060		721		546
TOTAL SANFORD COMMON						1,047,446		388,391		213,010
SANFORD UNIT 3										
FERC Account 311										
Site Sewer System										
Storm Sewers and Drains - Concrete(8" - 48")	CY	1	54.31	54.31	349.60	18,987	103.00	5,594	0.00	0
Floor Drains,Sump Pumps & Oily Sep. - 6" Cl Pipe	TN	1	31.00	31.00	504.10	15,627	0.00	0	120.00	3,720
Sanitary Sewer Concrete	CY	1	96.78	96.78	349.60	33,834	103.00	9,968	0.00	0
Oil Separator	CY	1	12.63	12.63	91.20	1,152	103.00	1,301	0.00	0
Subtotal						69,600		16,863		3,720
Fuel - Oil/Gas System/Area										
Fuel Oil - Pump Trnsfr Pit & Trnch - Reinforced Conc	CY	1	59.50	59.50	91.20	5,426	103.00	6,129	0.00	0
Fuel Oil - Transfer Pit Sump Pumps	TN	2	4.90	9.80	312.40	3,062	0.00	0	120.00	1,176
Fuel Oil Suction Heaters	TN	2	10.75	21.50	312.40	6,717	0.00	0	120.00	2,580
Fuel Oil Supports over canal	CY	1	106.25	106.25	91.20	9,690	103.00	10,944	0.00	0
Fuel Oil Piping - Steel (6" - 18")	TN	1	134.51	134.51	312.40	42,021	0.00	0	120.00	16,141
Gas Piping - main line to main valve	TN	1	27.30	27.30	312.40	8,529	0.00	0	120.00	3,276
Subtotal						75,444		17,072		23,173
Service Water and Raw Water Systems										
Water Treatment - Area Slab - Concrete	CY	1	105.00	105.00	91.20	9,576	103.00	10,815	0.00	0
Fire Protection Piping - Cl 2.5" to 8"	TN	1	46.25	46.25	504.10	23,315	0.00	0	120.00	5,550
Raw Water Storage Tank - 50,000 gal.	TN	1	17.49	17.49	312.40	5,464	0.00	0	120.00	2,099
Raw Water Pump and Motor	TN	1	5.00	5.00	504.10	2,521	0.00	0	120.00	600
Raw Water Storage Tank - Foundation	CY	1	8.00	8.00	91.20	730	103.00	824	0.00	0
Fire Protection - Concrete	CY	1	6.00	6.00	91.20	547	103.00	618	0.00	0
Service Water - Cast Iron Piping - 4" to 6"	TN	1	22.45	22.45	504.10	11,317	0.00	0	120.00	2,694
Subtotal						53,469		12,257		10,943
Intake System										
Intake Structure - Reinforced Concrete	CY	1	731.00	731.00	91.20	66,667	103.00	75,293	0.00	0
Intake Structure - Structural Steel(Incl. crane)	TN	1	21.00	21.00	234.30	4,920	0.00	0	120.00	2,520
Intake Structure - Wingwall Cap & Crane Rail Pads	CY	1	31.11	31.11	91.20	2,837	103.00	3,204	0.00	0
Intake Structure - Traveling Water Screens	TN	2	11.40	22.80	312.40	7,123	0.00	0	120.00	2,736
Intake Structure - Screen Wash Pumps and motors	TN	2	3.00	6.00	312.40	1,874	0.00	0	120.00	720
Intake Structure - Concrete Stop Logs	CY	1	11.50	11.50	91.20	1,049	103.00	1,185	0.00	0
Intake Cooling Water Pump Motors	TN	2	3.00	6.00	312.40	1,874	0.00	0	120.00	720
Intake Structure - Hoists/Crane	TN	1	2.00	2.00	312.40	625	0.00	0	120.00	240

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Intake Conduit - Reinforced Concrete Pipe,54"(350 ft)	CY	1	186.90	186.90	349.60	65,340	103.00	19,251	0.00	0
Intake Transition Blocks - Concrete	CY	1	181.65	181.65	91.20	16,566	103.00	18,710	0.00	0
Intake Screen Refuse Line - Cast Iron Pipe	TN	1	2.00	2.00	504.10	1,008	0.00	0	120.00	240
Subtotal						169,885		117,642		7,176
Discharge System										
Discharge Conduit - 42" Reinforced Concrete Pipe	CY	1	85.75	85.75	349.60	29,978	0.00	0	0.00	0
Discharge Transition and Thrust Blocks	CY	1	131.00	131.00	91.20	11,947	103.00	13,493	0.00	0
Discharge Structure - Reinforced Concrete	CY	1	198.65	198.65	91.20	18,117	103.00	20,461	0.00	0
Discharge Conduit - 54" f/ Unit 4 - anticipated(300ft)	CY	1	160.20	160.20	349.60	56,006	0.00	0	0.00	0
Discharge Structure - Concrete Stop Logs	CY	1	11.50	11.50	91.20	1,049	103.00	1,185	0.00	0
Subtotal						117,097		35,138		0
Station Structures										
Substructure concrete footings, piers, beams, Complete	CY	1	232.00	232.00	91.20	21,158	103.00	23,896	0.00	0
Substructure Reinforced Concrete - Mats	CY	1	1,325.50	1,325.50	91.20	120,886	103.00	136,527	0.00	0
Structural Steel - Main Steel	TN	1	304.30	304.30	234.30	71,297	0.00	0	120.00	36,516
Steel - Hand Railing and Miscellaneous	TN	1	19.20	19.20	312.40	5,998	0.00	0	120.00	2,304
Steel - Station Roof	TN	1	14.95	14.95	312.40	4,670	0.00	0	120.00	1,794
Station Floors & Roof - Reinforced Concrete	CY	1	991.00	991.00	91.20	90,379	103.00	102,073	0.00	0
Station Crane - Colby 50/15 Ton Gantry Crane	TN	1	25.00	25.00	234.30	5,858	0.00	0	120.00	3,000
Station Elevator - Westinghouse 1200 lb capacity	TN	1	21.00	21.00	312.40	6,560	0.00	0	120.00	2,520
Emergency Diesel Generators	TN	1	8.50	8.50	312.40	2,655	0.00	0	120.00	1,020
Hydrogen Storage Shelter - Concrete (18x9)CBB	CY	1	5.69	5.69	36.48	208	103.00	586	0.00	0
Service Building - Concrete Block	CY	1	76.19	76.19	36.48	2,779	103.00	7,848	0.00	0
Intake Chlorination Building - CBB (13x14)	CY	1	8.17	8.17	36.48	298	103.00	842	0.00	0
Chlorine Storage Building - CBB (15x13)	CY	1	5.89	5.89	36.48	215	103.00	607	0.00	0
Concrete Foundation - Serv, Chem, Hydro, Co2	CY	1	837.30	837.30	91.20	76,362	103.00	86,242	0.00	0
All other Concrete - sewers, dock, FO pipe Sppts, tmch	CY	1	1,095.30	1,095.30	36.48	39,957	103.00	112,816	0.00	0
Subtotal						449,281		471,435		47,154
Total Account 311						934,775		670,408		92,166
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Fuel - Light Oil Tank(1,000 BBL)	TN	0	4.44	0.00	n/a	0	0.00	0	120.00	0
Fuel - Service Oil Tank(6,000 BBL)	TN	2	26.66	53.32	n/a	34,090	0.00	53,650	0.00	0
Fuel Tank - Foundation and firewall(12,000 BBLS)	CY	1	295.00	295.00	n/a	34,090	0.00	70,588	0.00	0
Fuel Oil Tank - Cleaning	BBLS	1	13,000.00	13,000.00	n/a	0	0.00	130,000	0.00	0
Fuel Tank - Sand Base	CY	1	45.00	45.00	n/a	0	0.00	35,778	0.00	0
Fuel Oil Transfer Heaters	TN	2	4.00	8.00	312.40	2,499	0.00	0	120.00	960
Fuel Oil Heaters and strainers	TN	16	1.00	16.00	312.40	4,998	0.00	0	120.00	1,920
Fuel Oil Burner Pumps/motors - Regular	TN	3	1.50	4.50	312.40	1,406	0.00	0	120.00	540
Fuel Oil Booster Pump	TN	1	1.50	1.50	312.40	469	0.00	0	120.00	180
Fuel Oil Booster Pump Motor(75 hp)	TN	1	1.50	1.50	312.40	469	0.00	0	120.00	180
Fuel Oil/Gas Burners & Igniters	TN	16	0.60	9.60	312.40	2,999	0.00	0	120.00	1,152
Gas Piping - 16", 400 ft	TN	1	16.55	16.55	312.40	5,170	0.00	0	120.00	1,986
Fuel Oil Piping - 16" carbon steel	TN	1	3.79	3.79	312.40	1,184	0.00	0	120.00	455
Fuel Oil Piping - Supports - Concrete	CY	1	10.00	10.00	91.20	912	103.00	1,030	0.00	0
Miscellaneous Steel and Other	TN	1	2.83	2.83	312.40	884	0.00	0	120.00	340
Fuel Oil Piping Insulation	CY	1	25.00	25.00	71.00	1,775	20.00	500	0.00	0

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Fuel Oil Piping Insulation	CY	1	50.00	50.00	71.00	3,550	20.00	1,000	0.00	0
Subtotal						94,495		292,546		7,712
Boiler Equipment										
Boiler Frame	TN	1	830.00	830.00	234.30	194,469	0.00	0	120.00	99,600
Platforms, Grating & Handrails	TN	1	185.00	185.00	312.40	57,794	0.00	0	120.00	22,200
Boiler Foundation	CY	1	787.50	787.50	91.20	71,820	103.00	81,113	0.00	0
Boiler Drum	TN	1	113.70	113.70	234.30	26,640	0.00	0	120.00	13,644
Boiler Other - Including:										
Air Preheater and lances	TN	2	109.00	218.00	234.30	51,077	0.00	0	120.00	26,160
Sootblowers	TN	1	10.75	10.75	312.40	3,358	0.00	0	120.00	1,290
Hangers and Supports and links	TN	1	18.00	18.00	312.40	5,623	0.00	0	120.00	2,160
Downcomers	TN	1	28.00	28.00	234.30	6,560	0.00	0	120.00	3,360
Furnace Tubes/Sphtr/Wtrwalls	TN	1	804.00	804.00	234.30	188,377	0.00	0	120.00	96,480
Reheater and RH attemperator	TN	1	129.20	129.20	234.30	30,272	0.00	0	120.00	15,504
Economizer	TN	1	45.00	45.00	234.30	10,544	0.00	0	120.00	5,400
Casing/Ducts/Flues	TN	1	542.00	542.00	312.40	169,321	0.00	0	120.00	65,040
Burners	TN	1	13.00	13.00	312.40	4,061	0.00	0	120.00	1,560
Attemperator and SH control	TN	1	1.50	1.50	312.40	469	0.00	0	120.00	180
Miscellaneous Steel and Equipment	TN	1	114.88	114.88	312.40	35,889	0.00	0	120.00	13,786
Air Coil Heaters	TN	1	3.00	3.00	312.40	937	0.00	0	120.00	360
Silencers	TN	1	40.00	40.00	312.40	12,496	0.00	0	120.00	4,800
Insulation	CY	1	50.00	50.00	71.00	3,550	20.00	1,000	0.00	0
Insulation	CY	1	326.12	326.12	1,250.00	407,650	100.00	32,612	0.00	0
Subtotal						1,280,907		114,725		371,524
Boiler Plant Auxiliaries										
H.P. Feedwater Heater #1	TN	1	23.50	23.50	234.30	5,506	0.00	0	120.00	2,820
H.P. Feedwater Heater #2	TN	1	21.40	21.40	234.30	5,014	0.00	0	120.00	2,568
L.P. Feedwater Heater #3	TN	1	7.90	7.90	234.30	1,851	0.00	0	120.00	948
L.P. Feedwater Heater #4	TN	1	10.30	10.30	234.30	2,413	0.00	0	120.00	1,236
L.P. Feedwater Heater #5	TN	1	10.30	10.30	234.30	2,413	0.00	0	120.00	1,236
H.P. Feedwater Heater #6	TN	1	15.15	15.15	234.30	3,550	0.00	0	120.00	1,818
Boiler Feed Pumps incl motors	TN	3	7.50	22.50	312.40	7,029	0.00	0	120.00	2,700
BFP - Foundation	CY	1	16.00	16.00	91.20	1,459	103.00	1,648	0.00	0
Condensate Storage Tank - 60,000 Gal(21x24)	TN	1	19.67	19.67	312.40	6,145	0.00	0	120.00	2,360
Condensate Storage Tank Foundation	CY	1	12.40	12.40	91.20	1,131	103.00	1,277	0.00	0
Condensate Recovery Tank (14x6x4)	TN	2	1.50	3.00	312.40	937	0.00	0	120.00	360
Condensate Recovery Tank Foundation	CY	2	3.54	7.08	91.20	646	103.00	729	0.00	0
Condensate Recovery Cooler	TN	1	1.00	1.00	312.40	312	0.00	0	120.00	120
Condensate Pump	TN	3	1.50	4.50	312.40	1,406	0.00	0	120.00	540
Condensate Pump motor	TN	3	3.20	9.60	312.40	2,999	0.00	0	120.00	1,152
Instrument Air Compressor	TN	2	3.50	7.00	312.40	2,187	0.00	0	120.00	840
Blowdown Tank	TN	1	2.50	2.50	312.40	781	0.00	0	120.00	300
Evaporator	TN	1	2.50	2.50	312.40	781	0.00	0	120.00	300
Boiler Fill/Condensate Transfer Pump(40 hp)	TN	4	1.00	4.00	312.40	1,250	0.00	0	120.00	480
Extraction Heater Drain Pump(100 hp)	TN	2	3.00	6.00	312.40	1,874	0.00	0	120.00	720
Miscellaneous Steel and Equipment -Boiler Aux.	TN	1	6.77	6.77	312.40	2,115	0.00	0	120.00	812
Subtotal						51,799		3,654		21,311
Boiler Plant Piping										
Main Steam Piping	TN	1	21.05	21.05	234.30	4,932	0.00	0	120.00	2,526

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Hot Reheat Piping	TN	1	34.42	34.42	234.30	8,065	0.00	0	120.00	4,130
Cold Reheat Piping	TN	1	29.08	29.08	234.30	6,813	0.00	0	120.00	3,490
Condensate and Air Evaporation	TN	1	47.31	47.31	312.40	14,780	0.00	0	120.00	5,677
Extraction Steam Piping	TN	1	8.28	8.28	312.40	2,587	0.00	0	120.00	994
Boiler Feed Piping	TN	1	10.58	10.58	234.30	2,479	0.00	0	120.00	1,270
Boiler Feed/Plant Piping Insulation	CY	1	350.00	125.00	71.00	8,875	20.00	2,500	0.00	0
Boiler Feed/Plant Piping Insulation	CY	1	150.00	150.00	71.00	10,650	20.00	3,000	0.00	0
Silencers	TN	1	1.20	1.20	312.40	375	0.00	0	120.00	144
Saturated Auxiliary Steam - Piping	TN	1	34.94	34.94	312.40	10,915	0.00	0	120.00	4,193
Service & Cooling Water Piping	TN	1	57.96	57.96	504.10	29,218	0.00	0	120.00	6,955
Instrument, Sampling & Control Piping	TN	1	37.46	37.46	504.10	18,884	0.00	0	120.00	4,495
Miscellaneous Steel and Equipment	TN	1	28.52	28.52	312.40	8,910	0.00	0	120.00	3,422
Subtotal						127,481		5,500		37,296
Feedwater Treatment and Cooling Water Equipment										
Cooling Water Pumps	TN	2	2.00	4.00	312.40	1,250	0.00	0	120.00	480
Cooling Water Piping	TN	1	272.07	272.07	312.40	84,995	0.00	0	120.00	32,648
Cooling Water Heat Exchangers	TN	2	1.50	3.00	504.10	1,512	0.00	0	120.00	360
Subtotal						87,757		0		33,488
Forced and Induced Draft Equipment										
FD Fans Foundations - Reinforced Concrete	CY	1	28.30	28.30	91.20	2,581	103.00	2,915	0.00	0
FD Fans w/ motors and couplings	TN	2	43.50	87.00	234.30	20,384	0.00	0	120.00	10,440
FD Air Ducts(incl. windboxes)	TN	1	69.25	69.25	312.40	21,634	0.00	0	120.00	8,310
Insulation	CY	1	50.00	50.00	71.00	3,550	20.00	1,000	0.00	0
Insulation	CY	1	280.00	280.00	1,250.00	350,000	100.00	28,000	0.00	0
Gas ducts	TN	1	69.25	69.25	312.40	21,634	0.00	0	120.00	8,310
Stack Foundation - Reinforced Concrete	CY	1	620.00	620.00	91.20	56,544	103.00	63,860	0.00	0
Stack - lining/shaft	CY	1	519.75	519.75	91.20	47,401	103.00	53,534	0.00	0
ID Fans Foundations - Reinforced Concrete	CY	1	32.00	32.00	91.20	2,918	103.00	3,296	0.00	0
ID Fans w/ motors and couplings	TN	2	43.50	87.00	312.40	27,179	0.00	0	120.00	10,440
Miscellaneous Steel and Equipment	TN	1	22.55	22.55	312.40	7,045	0.00	0	120.00	2,706
Subtotal						560,869		152,605		40,206
Total Account 312						2,203,308		569,030		511,537
FERC Account 314										
Turbo-Generator Units										
Pedestal - Reinforced Concrete	CY	1	983.00	983.00	91.20	89,650	103.00	101,249	0.00	0
Turbine - Exciter and other	TN	1	147.35	147.35	177.50	26,155	0.00	0	120.00	17,682
Turbine - Stator	TN	1	216.25	216.25	177.50	38,384	0.00	0	120.00	25,950
Turbine - HP - IP Cylinder Cover	TN	1	20.00	20.00	177.50	3,550	0.00	0	120.00	2,400
Turbine - LP Cylinder Cover	TN	1	20.50	20.50	177.50	3,639	0.00	0	120.00	2,460
Turbine - LP Blade Ring(upper half)	TN	1	20.00	20.00	177.50	3,550	0.00	0	120.00	2,400
Turbine - IP Rotor	TN	1	14.00	14.00	177.50	2,485	0.00	0	120.00	1,680
Turbine - LP Rotor	TN	1	18.00	18.00	177.50	3,195	0.00	0	120.00	2,160
Turbine - Generator Rotor	TN	1	30.15	30.15	177.50	5,352	0.00	0	120.00	3,618
Turbine Copper	TN	1	37.00	37.00	695.80	25,745	0.00	0	5,000.00	185,000
Turbine Piping	TN	1	207.20	207.20	234.30	48,547	0.00	0	120.00	24,864
Turbine Insulation	CY	1	210.00	210.00	1,250.00	262,500	100.00	21,000	0.00	0
Turbine Enclosure	TN	1	14.75	14.75	312.40	4,608	0.00	0	120.00	1,770
Miscellaneous Steel and Equipment	TN	1	16.90	16.90	312.40	5,280	0.00	0	120.00	2,028

SANFORD DISMANTLEMENT STUDY

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Subtotal						522,638		122,249		272,012
Condensers and Auxiliaries										
Condenser Shell	TN	1	285.00	285.00	234.30	66,776	0.00	0	120.00	34,200
Condenser - Aluminum-Brass Tubes	TN	1	87.07	87.07	504.10	43,892	0.00	0	2,800.00	243,796
Condenser Foundation - Reinforced Concrete	CY	1	185.25	185.25	91.20	16,895	103.00	19,081	0.00	0
Circulating Water Pumps - 58,000 gpm(incl mtr)	TN	2	29.50	59.00	312.40	18,432	0.00	0	120.00	7,080
Circulating Water Piping	TN	1	98.73	98.73	312.40	30,843	0.00	0	120.00	11,848
Condensate Pumps - 12" suction, 8" dischrg(incl mtrs)	TN	3	15.97	47.91	312.40	14,967	0.00	0	120.00	5,749
Condensate Pump - Foundation - Rl Concrete	CY	1	10.50	10.50	91.20	958	103.00	1,082	0.00	0
Turbine Oil Resv.(bowser)	TN	1	47.00	47.00	312.40	14,683	0.00	0	120.00	5,640
Lube Oil Storage Tank (4500 gal)	TN	1	23.50	23.50	312.40	7,341	0.00	0	120.00	2,820
Miscellaneous Steel and Equipment	TN	1	41.07	41.07	312.40	12,830	0.00	0	120.00	4,928
Subtotal						227,616		20,162		316,061
Total Account 314						750,254		142,411		588,073
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Main Generator Leads & Enclosures(aluminum)	TN	1	10.00	10.00	420.00	4,200	0.00	0	1,340.00	13,400
Manholes and Handholes - Concrete	CY	1	49.00	49.00	36.48	1,788	103.00	5,047	0.00	0
Transformer Foundations - Concrete	CY	1	39.00	39.00	91.20	3,557	103.00	4,017	0.00	0
Switchgear Foundations - Concrete	CY	1	37.00	37.00	91.20	3,374	103.00	3,811	0.00	0
Load Control Centers Foundations - Concrete	CY	1	12.00	12.00	91.20	1,094	103.00	1,236	0.00	0
Aux Power Transformer - 7,500 kva	TN	1	17.40	17.40	504.10	8,771	0.00	0	120.00	2,088
Startup Transformer	TN	1	23.25	23.25	504.10	11,720	0.00	0	120.00	2,790
Transformer Copper	TN	1	0.00	0.00	525.40	0	0.00	0	5,000.00	0
Storage Battery	TN	1	3.00	3.00	504.10	1,512	0.00	0	120.00	360
Underground Ducts - Concrete	CY	1	75.00	75.00	91.20	6,840	103.00	7,725	0.00	0
Conduit - rigid alum	TN	1	42.70	42.70	504.10	21,525	0.00	0	1,340.00	57,218
Exposed Conduits and Trays	TN	1	86.84	86.84	504.10	43,776	0.00	0	1,340.00	116,368
Buswork and Copper tubing	TN	1	1.00	1.00	504.10	504	0.00	0	5,000.00	5,000
Motor Control Centers	TN	1	4.50	4.50	504.10	2,268	0.00	0	120.00	540
Power/Control Wiring	TN	1	84.56	84.56	852.00	72,045	0.00	0	2,100.00	177,576
Main Control Board for B-T-G	TN	1	3.00	3.00	504.10	1,512	0.00	0	120.00	360
Load Control Centers Transformers	TN	2	3.10	6.20	504.10	3,125	0.00	0	120.00	744
Switchgear - 4,160v Metalclad	TN	1	20.00	20.00	504.10	10,082	0.00	0	120.00	2,400
Switchgear - 480v Metalclad	TN	1	18.00	18.00	504.10	9,074	0.00	0	120.00	2,160
Total Account 315						206,769		21,836		381,002
FERC Account 316										
Miscellaneous Power Plant Equipment										
Service Air Compressor	TN	1	8.00	8.00	312.40	2,499	0.00	0	120.00	960
Air Compressor - Concrete Foundation	CY	1	11.00	11.00	91.20	1,003	103.00	1,133	0.00	0
Total Account 316						3,502		1,133		960
TOTAL SANFORD UN IT 3						4,098,610		1,404,819		1,573,738
SANFORD UNITS 4 & 5										
FERC Account 341										
Site Sewer System										

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Storm Sewers and Drains - Concrete(8" - 48")	TN	1	245.18	245.18	349.60	85,715	0.00	0	0.00	0
Floor Drains,Sump Pumps & Oily Sep. - 6" CI Pipe	TN	1	22.50	22.50	504.10	11,342	0.00	0	120.00	2,700
Oil Separator - Site Sewer	CY	0	31.48	0.00	91.20	0	103.00	0	0.00	0
Subtotal						97,057		0		2,700
Fuel Oil System/Area										
Fuel Oil Storage Tank - 268,000 BBLS	TN	0	890.80	0.00	n/a	102,272	0.00	0	120.00	0
Fuel Oil Tank - Cleaning(268,000 BBLS)					n/a	0	n/a	550,000	0.00	0
Fuel Oil Storage Tank - Sand Base					n/a	0	n/a	224,000	0.00	0
Fuel Oil - Pump Transfer Pit - Reinforced Concrete	CY	1	106.00	106.00	91.20	9,667	103.00	10,918	0.00	0
Fuel Oil - Concrete Pipe Trenches	CY	1	51.35	51.35	91.20	4,683	103.00	5,289	0.00	0
Fuel Oil - Transfer Pit Pumps	TN	1	7.50	7.50	312.40	2,343	0.00	0	120.00	900
Fuel Oil - Concrete Retaining Wall	CY	1	741.50	741.50	91.20	67,625	103.00	76,375	0.00	0
Fuel Oil Pipe - Reinforced Concrete Supports	CY	1	43.00	43.00	91.20	3,922	103.00	4,429	0.00	0
Fuel Oil Piping - Steel (6" - 18")-Unload to Tanks	TN	1	31.44	31.44	312.40	9,822	0.00	0	120.00	3,773
Subtotal						200,334		871,011		4,673
Service Water and Raw Water Systems										
Water Treatment - Area Slab - Concrete	CY	1	520.00	520.00	91.20	47,424	103.00	53,560	0.00	0
Water Treatment - Chlorination System	TN	1	1.00	1.00	312.40	312	0.00	0	120.00	120
Fire Protection Piping - CI 2.5" to 8"	TN	1	34.22	34.22	504.10	17,250	0.00	0	120.00	4,106
Wash Water Booster Pump	TN	1	1.00	1.00	504.10	504	0.00	0	120.00	120
Drainage Lift Station Sump Pumps	TN	1	1.30	1.30	504.10	655	0.00	0	120.00	156
Service Water - Cast Iron Piping - 4" to 6"	TN	1	78.33	78.33	504.10	39,486	0.00	0	120.00	9,400
Subtotal						105,632		53,560		13,902
Intake System										
Intake Structure - Reinforced Concrete	CY	1	1,901.00	1,901.00	91.20	173,371	103.00	195,803	0.00	0
Intake Structure - Structural Steel(incl. crane)	TN	1	50.28	50.28	234.30	11,781	0.00	0	120.00	6,034
Intake Structure - Traveling Water Screens	TN	4	12.19	48.76	312.40	15,233	0.00	0	120.00	5,851
Intake Structure - Screen Wash Pumps	TN	4	0.50	2.00	312.40	625	0.00	0	120.00	240
Intake Structure - Concrete Stop Logs	CY	1	11.50	11.50	91.20	1,049	103.00	1,185	0.00	0
Open Cooling Water Piping	TN	1	58.68	58.68	349.60	20,515	0.00	0	120.00	7,042
Intake Cooling Water Pump Motors	TN	4	1.75	7.00	312.40	2,187	0.00	0	120.00	840
Intake Cooling Water Pumps	TN	4	1.37	5.48	312.40	1,712	0.00	0	120.00	658
Lake Fill Pumps	TN	2	4.67	9.34	312.40	2,918	0.00	0	120.00	1,121
Intake Structure - Crane incl. hoists	TN	2	25.23	50.46	312.40	15,764	0.00	0	120.00	6,055
Intake Conduit - Reinforced Concrete Pipe,78"	CY	1	1,123.50	1,123.50	349.60	392,776	0.00	0	0.00	0
Intake Transition Blocks - Concrete	CY	1	433.51	433.51	91.20	39,536	103.00	44,652	0.00	0
Intake Screen Refuse Line - Concrete Pipe	CY	1	72.09	72.09	349.60	25,203	0.00	0	0.00	0
Subtotal						702,667		241,639		27,840
Discharge System										
Discharge Conduit - 78" Reinforced Concrete Pipe	CY	1	933.45	933.45	349.60	326,334	0.00	0	0.00	0
Discharge Transition and Thrust Blocks	CY	1	115.00	115.00	91.20	10,488	103.00	11,845	0.00	0
Discharge Structure - Reinforced Concrete	CY	1	424.00	424.00	91.20	38,669	103.00	43,672	0.00	0
Discharge Structure - Concrete Stop Logs	CY	1	11.50	11.50	91.20	1,049	103.00	1,185	0.00	0
Subtotal						376,540		56,702		0
Station Structures										
Substructure concrete footings, piers, beams	CY	1	599.00	599.00	91.20	54,629	103.00	61,697	0.00	0
Substructure Reinforced Concrete - Miscellaneous	CY	1	4,437.00	4,437.00	91.20	404,654	103.00	457,011	0.00	0

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Structural Steel - Main Steel	TN	1	539.50	539.50	234.30	126,405	0.00	0	120.00	64,740
Steel - Hand Railing and Miscellaneous	TN	1	10.00	10.00	312.40	3,124	0.00	0	120.00	1,200
Station Floors & Roof - Reinforced Concrete	CY	1	958.00	958.00	91.20	87,370	103.00	98,674	0.00	0
Station Crane - Whiting 70/15 Crane - Bridge & Trolley	TN	2	115.20	230.40	234.30	53,983	0.00	0	120.00	27,648
Station Elevator - Westinghouse 1200 lb capacity	TN	2	45.60	91.20	312.40	28,491	0.00	0	120.00	10,944
Diesel Generator Building - Concrete	CY	1	45.90	45.90	36.48	1,674	103.00	4,728	0.00	0
Emergency Diesel Generators	TN	1	9.25	9.25	312.40	2,890	0.00	0	120.00	1,110
Hydrogen Storage Shelter - Concrete	CY	1	46.76	46.76	36.48	1,706	103.00	4,816	0.00	0
Subtotal						764,925		626,926		105,642
Total Account 341						2,247,155		1,849,837		154,757
FERC Account 342										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Fuel - Metering Oil Tank - Out of Service, Cleaned(12,000	TN	0	25.00	0.00	n/a	16,020	0.00	0	120.00	0
Fuel - Metering Oil Tank - Now Demin Tank (12,000 BBL)	TN	0	25.00	0.00	n/a	16,020	0.00	0	120.00	0
Fuel Tank - Foundation and firewall					n/a	0	n/a	66,342	0.00	0
Fuel Oil Tank - Cleaning (12,000 BBLS)					n/a	0	n/a	0	0.00	0
Fuel Oil Tank - Sand Base (12,000 BBLS)					n/a	0	n/a	27,218	0.00	0
Subtotal						32,040		93,560		0
Boiler Plant Auxiliaries										
Boiler Feed Pumps	TN	3	31.65	94.95	312.40	29,662	0.00	0	120.00	11,394
Boiler Feed Pump Foundation	CY	1	407.00	407.00	91.20	37,118	103.00	41,921	0.00	0
Condensate Storage Tank - 150,000 Gal	TN	2	43.26	86.52	312.40	27,029	0.00	0	120.00	10,382
Condensate Storage Tank Foundation	CY	1	194.00	194.00	91.20	17,693	103.00	19,982	0.00	0
Condensate Recovery Tank	TN	2	3.67	7.34	312.40	2,293	0.00	0	120.00	881
Condensate Recovery Tank Foundation	CY	2	3.55	7.10	91.20	648	103.00	731	0.00	0
Condensate Recovery Drain Cooler	TN	2	1.00	2.00	312.40	625	0.00	0	120.00	240
Condensate Recovery Vent Condenser	TN	2	1.82	3.64	312.40	1,137	0.00	0	120.00	437
Subtotal						116,205		62,634		23,334
Total Account 342						148,245		156,194		23,334
FERC Account 343										
Power Movers										
Heat Recovery Steam Generator Structure (HRSG)										
Generator Terminal Enclosure	TN	8	10.50	84.00	312.40	26,242	0.00	0	120.00	10,080
Concrete	CY	1	140.00	140.00	91.20	12,768	103.00	14,420	0.00	0
						39,010		14,420		10,080
HRSG Enclosures										
Combustion Turbine Inlet Filter	TN	8	27.00	216.00	312.40	67,478	0.00	0	120.00	25,920
Combustion Turbine Inlet Duct	TN	8	290.00	2,320.00	312.40	724,768	0.00	0	120.00	278,400
SGF HRSG Vents & Drains Pump	TN	4	0.70	2.80	312.40	875	0.00	0	120.00	336
Supporting Steel	TN	8	10.50	84.00	312.40	26,242	0.00	0	120.00	10,080
Concrete	CY	1	2,133.00	2,133.00	91.20	194,530	103.00	219,699	0.00	0
						1,013,892		219,699		314,736

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
HRSG Pressure Parts										
Heat Recovery Steam Generator	TN	8	3,495.50	27,964.00	234.30	6,551,965	0.00	0	120.00	3,355,680
Concrete	CY	1	22,700.00	22,700.00	91.20	2,070,240	103.00	2,338,100	0.00	0
						8,622,205		2,338,100		3,355,680
Industrial Gas Turbine										
Gas Turbine	TN	8	188.50	1,508.00	234.30	353,324	0.00	0	120.00	180,960
Concrete	CY	1	1,225.00	1,225.00	91.20	111,720	103.00	126,175	0.00	0
						465,044		126,175		180,960
Stm Gen/Blr/HRSG Blowdown Cooling System										
WSA Blowdown Pump	TN	2	0.44	0.88	312.40	275	0.00	0	120.00	106
						275		0		106
Reheat System										
HRH Hot Reheat Valves	TN	32	2.50	80.00	312.40	24,992	0.00	0	120.00	9,600
						24,992		0		9,600
Steam Turbine										
Generator	TN	8	260.00	2,080.00	177.50	369,200	0.00	0	120.00	249,600
High Pressure Steam Valves	TN	32	1.75	56.00	312.40	17,494	0.00	0	120.00	6,720
Miscellaneous Valves	TN	4900	0.01	49.00	312.40	15,308	0.00	0	120.00	5,880
Concrete	CY	1	1,830.00	1,830.00	91.20	166,896	103.00	188,490	0.00	0
						568,898		188,490		262,200
Condensate Transfer System										
WSI Emergency Condensate Pump	TN	1	3.25	3.25	312.40	1,015	0.00	0	120.00	390
Concrete	CY	1	3.75	3.75	91.20	342	103.00	386	0.00	0
						1,357		386		390
Condenser Air Removal System										
CAB Air Compressor	TN	3	4.40	13.20	312.40	4,124	0.00	0	120.00	1,584
HRB Condenser Air Extraction Hogger	TN	2	9.15	18.30	312.40	5,717	0.00	0	120.00	2,196
HRB Condenser Air Extraction Ejector	TN	2	3.75	7.50	312.40	2,343	0.00	0	120.00	900
Concrete	CY	1	12.00	12.00	91.20	1,094	103.00	1,236	0.00	0
						13,278		1,236		4,680
Condenser Cooling Water Pump System										
FWF Condensate Storage & Makeup Pump	TN	4	0.44	1.76	312.40	550	0.00	0	120.00	211
FWC Condensate Pump	TN	4	8.80	35.20	312.40	10,996	0.00	0	120.00	4,224
Concrete	CY	1	50.00	50.00	91.20	4,560	103.00	5,150	0.00	0
						16,106		5,150		4,435
Air Cooling System, G.T.										
Cooling Fan Module	TN	8	4.25	34.00	312.40	10,622	0.00	0	120.00	4,080
Concrete	CY	1	35.00	35.00	91.20	3,192	103.00	3,605	0.00	0
						13,814		3,605		4,080
Component/Closed Cooling Water System										
ECB Closed Cooling Water Spray Pumps	TN	6	1.20	7.20	312.40	2,249	0.00	0	120.00	864
ECB Closed Cooling Pumps	TN	4	3.20	12.80	312.40	3,999	0.00	0	120.00	1,536
ECB Closed Cooling Water Cooling Tower	TN	2	58.10	116.20	312.40	36,301	0.00	0	120.00	13,944

SANFORD DISMANTLEMENT STUDY

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Fuel Gas Heat Exchangers	TN	8	13.50	108.00	312.40	33,739	0.00	0	120.00	12,960
Concrete	CY	1	450.00	450.00	91.20	41,040	103.00	46,350	0.00	0
Subtotal						117,328		46,350		29,304
Total Account 343						10,896,200		2,943,611		4,176,251
FERC Account 344										
Turbo-Generator Units										
Pedestal - Reinforced Concrete	CY	1	4,011.00	4,011.00	91.20	365,803	103.00	413,133	0.00	0
Turbine - Stator	TN	2	327.10	654.20	177.50	116,121	0.00	0	120.00	78,504
Turbine - HP/IP Cylinder Cover	TN	2	46.10	92.20	234.30	21,602	0.00	0	120.00	11,064
Turbine - No.1 LP Cylinder Cover	TN	2	45.90	91.80	234.30	21,509	0.00	0	120.00	11,016
Turbine - No. 1 Inner Cylinder Cover	TN	2	19.55	39.10	177.50	6,940	0.00	0	120.00	4,692
Turbine - HP/IP Rotor	TN	2	27.30	54.60	177.50	9,692	0.00	0	120.00	6,552
Turbine - No. 1 LP Rotor	TN	2	48.00	96.00	177.50	17,040	0.00	0	120.00	11,520
H.P. Upper Shell	TN	2	31.00	62.00	177.50	11,005	0.00	0	120.00	7,440
H.P. Lower Shell	TN	2	31.21	62.42	177.50	11,080	0.00	0	120.00	7,490
Generator - Rotor	TN	2	58.75	117.50	177.50	20,856	0.00	0	120.00	14,100
Turbine - LP Rotor Lifting Gear	TN	2	4.00	8.00	177.50	1,420	0.00	0	120.00	960
Turbine Copper	TN	1	48.00	48.00	695.80	33,398	0.00	0	5,000.00	240,000
Turbine Piping	TN	2	260.00	520.00	234.30	121,836	0.00	0	120.00	62,400
Turbine Insulation	CY	2	420.00	840.00	71.00	59,640	20.00	16,800	0.00	0
Turbine Enclosure	TN	2	36.75	73.50	312.40	22,961	0.00	0	120.00	8,820
Miscellaneous Steel and Equipment- Turbine area	TN	2	19.67	39.34	312.40	12,290	0.00	0	120.00	4,721
Turbine Generator Mat - concrete	CY	1	1,961.00	1,961.00	91.20	178,843	103.00	201,983	0.00	0
Subtotal						1,032,036		631,916		469,279
Condensers and Auxiliaries										
Condenser Shell	TN	2	867.50	1,735.00	234.30	406,511	0.00	0	120.00	208,200
Condenser - Aluminum-Brass Tubes	TN	2	223.51	447.02	504.10	225,343	0.00	0	2,800.00	1,251,656
Condenser Foundation - Reinforced Concrete	CY	1	110.00	110.00	91.20	10,032	103.00	11,330	0.00	0
Circulating Water Pumps/Motors - 58,000 gpm	TN	4	38.82	155.28	312.40	48,509	0.00	0	120.00	18,634
Condensate Pumps - 12" suction, 8" dischrg(incl mtrs)	TN	4	15.70	62.80	312.40	19,619	0.00	0	120.00	7,536
Turbine Oil Conditioner	TN	4	12.25	49.00	312.40	15,308	0.00	0	120.00	5,880
Turbine Lube Oil Coolers	TN	1	4.00	4.00	312.40	1,250	0.00	0	120.00	480
Turbine Insulation	CY	2	175.00	350.00	71.00	24,850	20.00	7,000	0.00	0
Miscellaneous Steel and Equipment- Cond & Aux.	TN	1	22.91	22.91	312.40	7,157	0.00	0	120.00	2,749
Lube Oil Storage Tank	TN	2	1.53	3.06	312.40	956	0.00	0	120.00	367
Subtotal						759,534		18,330		1,495,502
Total Account 344						1,791,570		650,246		1,964,781
FERC Account 345										
Accessory Electrical Equipment										
Foundations & Structures										
Main Generator Leads & Enclosures(aluminum)	TN	2	15.00	30.00	852.00	25,560	0.00	0	1,340.00	40,200
Manholes and Handholes - Concrete	CY	1	961.00	961.00	36.48	35,057	103.00	98,983	0.00	0
Transformer Foundations - Concrete	CY	1	673.00	673.00	91.20	61,378	103.00	69,319	0.00	0
Switchgear Foundations - Concrete	CY	1	348.00	348.00	91.20	31,738	103.00	35,844	0.00	0
Load Control Centers Foundations - Concrete	CY	1	30.00	30.00	91.20	2,736	103.00	3,090	0.00	0
Aux Power Transformer - 7,500 kva	TN	2	81.55	163.10	504.10	82,219	0.00	0	120.00	19,572
Startup Transformer	TN	1	62.00	62.00	504.10	31,254	0.00	0	120.00	7,440

SANFORD DISMANTLEMENT STUDY

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Station Service Transformer	TN	1	54.35	54.35	504.10	27,398	0.00	0	120.00	6,522
Transformer Copper	TN	1	0.00	0.00	525.40	0	0.00	0	5,000.00	0
Storage Battery	TN	2	3.00	6.00	504.10	3,025	0.00	0	120.00	720
Underground Ducts - Concrete	CY	1	2,778.00	2,778.00	349.60	971,189	103.00	286,134	0.00	0
Engineered Hangers	TN	1	375.00	375.00	504.10	189,038	0.00	0	120.00	45,000
Non-Engineered hangers	TN	1	40.00	40.00	504.10	20,164	0.00	0	120.00	4,800
Conduit - rigid aluminum - Access Electrical	TN	2	21.43	42.86	504.10	21,606	0.00	0	1,340.00	57,432
Underground Conduit - Access Electrical	CY	2	10.00	20.00	36.48	730	103.00	2,060	0.00	0
Exposed Conduits and Trays - Access Electrical	TN	2	92.90	185.80	504.10	93,662	0.00	0	1,340.00	248,972
Buswork - Aluminum	TN	2	12.41	24.82	504.10	12,512	0.00	0	1,340.00	33,259
Motor Control Centers - Access Electrical	TN	10	37.50	375.00	504.10	189,038	0.00	0	120.00	45,000
Copper Wiring - 24,000 ft.	TN	1	7.92	7.92	852.00	6,748	0.00	0	2,100.00	16,632
Power/Control Wiring - 390,000 ft.	TN	1	288.00	288.00	852.00	245,376	0.00	0	2,100.00	604,800
Main Control Board for B-T-G	TN	1	3.00	3.00	504.10	1,512	0.00	0	120.00	360
Load Control Centers Transformers	TN	9	3.15	28.35	504.10	14,291	0.00	0	120.00	3,402
Control Boards - PECC	TN	1	209.40	209.40	504.10	105,559	0.00	0	120.00	25,128
Switchgear - 4,160v Metalclad - Access Electrical	TN	1	20.00	20.00	504.10	10,082	0.00	0	120.00	2,400
Switchgear - 480v Metalclad - Access Electrical	TN	1	18.00	18.00	504.10	9,074	0.00	0	120.00	2,160
						2,190,942		495,430		1,163,799
High Initial Response Exciter System										
GEC W/LCI	TN	4	38.50	154.00	504.10	77,631	0.00	0	120.00	18,480
GEC WO/LCI	TN	4	26.00	104.00	504.10	52,426	0.00	0	120.00	12,480
Steam Turbine Excitation Equipment	TN	2	37.50	75.00	504.10	37,808	0.00	0	120.00	9,000
Concrete	CY	1	420.00	420.00	91.20	38,304	103.00	43,260	0.00	0
						206,169		43,260		39,960
Total Account 345						2,397,112		538,690		1,203,759
TOTAL SANFORD UNITS 4 & 5						17,480,281		6,138,579		7,522,882

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Scherer Plant

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Scherer Unit 4 and Related Common Facilities

The Scherer Steam Plant is a coal fired generating station consisting of four units and all the common facilities required in generating electricity. It is located on 12,000 acres of land (the main operating area of the plant site is approximately 3,500 acres) in Monroe County near the Ocmulgee River about 17 miles north of Macon, Georgia. Although built for Georgia Power Corporation (GPC), Florida Power & Light Company (FPL) and Jacksonville Electric Authority (JEA) have completed the purchase of one generating unit, Scherer Unit 4, and related common facilities. The installment purchase of these facilities was effected in four installments over the period from 1991 to 1995. FPL owns 76.36% and JEA owns 23.64% of Unit 4. FPL owns 38.18% of the common facilities related to units 3 and 4 and 19.09% of those common facilities related to all four units.

Scherer Unit 4 achieved initial operation on December 21, 1988 and was declared commercial on February 28, 1989. The unit consists of a boiler turbine generator, condenser, a 530-foot high natural draft-cooling tower, a shared smokestack (shared with unit 3), electrical switching equipment, and water and fuel facilities. Common facilities include the power house (which houses the four generating units at the site), Lake Juliette (a man-made 3,600 acre lake), a 350 acre ash disposal pond, an ash settling pond, a retention pond, a coal storage yard and a 500 kV switchyard, to interconnect the 4 units at the site to Georgia Power's transmission system. For purposes of this dismantlement study, the estimated retirement dates for Scherer are as follows:

Unit	Year
Common to Units 1 – 4	2029
Common to Units 3 & 4	2029
Unit 4	2029

The dismantlement of the plants is assumed to require 2 years beginning in 2034.

Scherer Unit 4 can produce 818 megawatts of electricity. The boiler is capable of producing 5,790,000 pounds of steam per hour at 2,400 pounds per square inch pressure at 1,000 degrees Fahrenheit. Under full load conditions the boiler burns 322 tons of coal per hour (7,728 tons per day). Scherer burns western coal which is delivered by rail from Powder River Basin and is unloaded by a sophisticated coal handling system which is capable of unloading an 80 car train in a half hour. The unit uses a closed loop steam cycle with a separate loop of water drawn from Lake Juliette to serve as a coolant in the condensers. The turbine generators, manufactured by General Electric, have a nameplate generating capacity of 818 megawatts and at full load produce 1.2 million horsepower. Electrostatic precipitators are used to remove more than 99% of the fly ash from the flue gasses that leave the boiler after the coal burning process. An automatic opacity sensor in the 1,000-foot stack monitors emissions.

Florida Power & Light Company last requested and received approval for a change in dismantlement accruals for the Scherer Units in Docket No. 070378-EI, Order No. PSC-08-0095-PAA-EI, issued on February 14, 2008. The effective date of the current accruals is January 1, 2007.

SCHERER
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Scherer Common (supporting Units 1 through 4)				
	Production Plant				
311	Structures and Improvements	1,203,882	1,017,596	80,004	2,141,474
312	Boiler Plant Equipment	4,875,054	3,597,684	527,149	7,945,589
314	Turbogenerator Units	263,402	198,360	34,968	426,794
315	Accessory Electrical Equipment	2,570	0	960	1,610
316	Miscellaneous Equipment	1,127	0	420	707
	Subtotal	6,346,035	4,813,640	643,501	10,516,174
	Site Management Expenses	1,129,968			1,129,968
	Special Waste	4,307,982			4,307,982
	Intake & Discharge Backfill	79,243			79,243
	Ash Pond Consolidation and Removal	20,183,452			20,183,452
	Grading & Seeding	57,221,100			57,221,100
	Subtotal	82,921,745	0	0	82,921,745
	Total	89,267,779	4,813,640	643,501	93,437,918
	Contingency - 16%	14,282,845	770,182		15,053,027
	Total Scherer Common (supporting Units 1 through 4)	103,550,624	5,583,822	643,501	108,490,945
	Unusable M&S Inventory	2,645,874		436,569	2,209,305
	Total Scherer Common including Unusable M & S	106,196,498	5,583,822	1,080,070	110,700,250
	FPL's Ownership Percentage - 19.09%	20,272,911	1,065,952	206,185	21,132,678
					21,132,678
	Scherer Common (supporting Units 3 &4)				
311	Structures and Improvements	134,000	170,136	8,661	295,475
312	Boiler Plant Equipment	3,106,286	2,785,673	88,541	5,803,418
314	Turbogenerator Units	10,513	6,742	3,360	13,895
315	Accessory Electrical Equipment	0	0	0	0
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	3,250,799	2,962,551	100,562	6,112,788
	Contingency - 16%	520,128	474,008		994,136
	Total Scherer Common (supporting Units 3 & 4)	3,770,927	3,436,559	100,562	7,106,924
	FPL's Ownership Percentage - 38.18%	1,439,740	1,312,078	38,395	2,713,424
	Scherer Unit 4				
311	Structures and Improvements	1,156,070	198,294	369,420	984,944
312	Boiler Plant Equipment	11,892,386	353,434	5,026,784	7,219,036
314	Turbogenerator Units	10,613,358	2,808,225	883,640	12,537,943
315	Accessory Electrical Equipment	549,169	0	1,631,638	(1,082,469)
316	Miscellaneous Equipment	14,454	0	5,400	9,054
	Subtotal	24,225,437	3,359,953	7,916,882	19,668,508
	Contingency - 16%	3,876,070	537,592		4,413,662
	Total Scherer Unit 4	28,101,507	3,897,545	7,916,882	24,082,171
	FPL's Ownership Percentage - 76.36%	21,458,311	2,976,166	6,045,331	18,389,145
	Total Dismantlement Costs - FPL's Ownership	43,170,962	5,354,196	6,289,911	42,235,247

SCHERER
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Scherer Common (supporting Units 1 through 4)	11,658,650	8,614,262	1,065,952	206,185	21,132,678
Scherer Common (supporting Units 3 & 4)	863,844	575,896	1,312,078	38,395	2,713,424
Scherer Unit 4	12,874,987	8,583,324	2,976,166	6,045,331	18,389,145
Total	25,397,480	17,773,482	5,354,196	6,289,911	42,235,247

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

SCHERER DISMANTLEMENT ASSUMPTIONS

FPL and the Jacksonville Electric Authority (JEA) are joint owners of Scherer Unit 4 and related Common Facilities. Contractually each co-owner is responsible for his share of all dismantlement costs.

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The lube oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits (underground concrete piping to be collapsed);

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

All coal except unrecoverable base in the storage area will be burned before dismantling occurs. Unrecoverable base coal will be removed to the ash pond.

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins, due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

SCHERER DISMANTLEMENT ASSUMPTIONS (continued)

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However the dismantlement cost of substation equipment is not included in this study, so as to avoid duplicating recovery of costs already included in the net salvage factors of the substation plant accounts' depreciation rates.

An expandable grout will be used to dismantle the turbine pedestals. The chimneys will be control-blasted.

It is assumed that dismantlement activity at Scherer will begin five years after end of service. The end of service dates used for this assumption conform to the economic recovery period ending dates used in the Scherer depreciation study submitted in March, 2005 using actual and estimated plant and reserve data as of December 31, 2005. This study was accepted as part of the stipulation and settlement agreement that resolved the 2005 rate case and was approved by the Florida Public Service Commission in Docket Number 050188-EI, Order Number PSC-05-0902-S-EI on September 14, 2005. The economic recovery dates used for this assumption are as follows:

Unit	Economic Recovery Date
Common to Units 1 - 4	2029
Common to Units 3 & 4	2029
Unit 4	2029

FPL's Environmental Department recently completed a survey of asbestos quantities at our fossil sites, which estimated the cost to abate asbestos in the Scherer Unit 4 cooling tower fill material at $8,683,391.

DISMANTLING ACTIVITIES: COAL FIRED PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove solid and liquid waste from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines. Remove underground piping and backfill all trenches.
- Remove main steam, hot and cold piping, downcomers, valves and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove makeup structure, equipment, pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal, including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Remove fire protection, building heating, compressors, air dryers, control equipment and electrical systems.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestals, foundations, and heavy concrete structures and buildings, stack foundations, equipment foundations, and substructures. Remove to landfill.
- Install environmental monitoring equipment, for example, at wells.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove railroad tracks.
- Test and remove contaminated soil/bases – all areas.

DISMANTLING ACTIVITIES: COAL FIRED PLANTS
(Continued)

- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.
- Remove gas supply metering site, valve stations, underground distribution system.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

SCHERER DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of Scherer Unit 4. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$41.46	X	6	=	$248.77
Foreman	$52.64	X	1	=	$52.64
Heavy Equipment Operator	$50.16	X	1	=	$50.16
Total Cost per hour of 8 man crew					$351.57
Cost per man hour		$351.57	/	8 =	$43.95

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator				32,270.00
Front End Loader				6,407.90
Cutting Equipment				231.75
Total per month				$38,909.65
38,909.65	/	176	hours per month =	221.08
Cost per man hour		$221.08	/ 8 =	$27.63
Plus: amount for small tools				1.00
Total Cost per man hour				$28.63

SCHERER DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$43.95
Equipment	28.63
Total	$72.58
Rounded	$73.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$78.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$73.00	2.50 MH / Ton	$182.50 / Ton
Heavy Steel (2)	$73.00	3.30 MH / Ton	$240.90 / Ton
General Steel	$73.00	4.40 MH / Ton	$321.20 / Ton
Light Steel	$73.00	7.10 MH / Ton	$518.30 / Ton
Concrete	$78.00	0.48 MH / CY	$37.44 / CY
Reinforced Concrete	$78.00	1.20 MH / CY	$93.60 / CY
Copper-Elect. Cable & Generator Leads &	$73.00	12.00 MH / Ton	$876.00 / Ton
Copper - Generator	$73.00	9.80 MH / Ton	$715.40 / Ton
Copper - Transformer	$73.00	7.40 MH / Ton	$540.20 / Ton
General Insulation	$73.00	1.00 MH / CY	$73.00 / CY
Inground Pipe-Metal(3)	$73.00	6.00 MH / Ton	$438.00 / Ton
Concrete Pipe	$78.00	4.60 MH / Ton	$358.80 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Swift Creek Landfill. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of $35.00/ton, and the haul rate, $145 per haul (including driver) were provided by Southland Waste Systems of Macon, Georgia.

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located appropriately in the detailed spreadsheet.

SCHERER DISMANTLEMENT STUDY

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Truck Cost	$145.00	/ haul	X	1 haul	=	$145.00
Tipping Fees	$35.00	/ ton	X	30.5 tons	=	1,067.50
Total Cost per round Trip						$1,212.50
Cost per Cubic Yard	$1,212.50	/ 15.38 cubic yards =				$78.84
Plus 10% contractor profit						7.88
Total Cost per Cubic Yard						$86.72
Rounded Cost per Cubic Yard						$87.00

Insulation - Calcium Silicate (Non-Hazardous)

A trailer with a 30 cubic yard capacity is used for insulation because of its lighter weight. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons. (The dumpster charge is the same regardless of whether capacity is 20, 30 CY.)

Dumpster Charge	$145.00	/ haul	X	1 haul	=	$145.00
Tipping Fees	$35.00	/ ton	X	1.82 tons	=	63.70
Total Cost per round Trip						$208.70
Cost per Cubic Yard	$208.70	/ 27 cubic yards =				$7.73
Plus 10% contractor profit						0.77
Total Cost per Cubic Yard						$8.50
Rounded Cost per Cubic Yard						$9.00

SCHERER DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Construction Estimating Department are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month. These expenses are to be incurred over the 24 month dismantlement period for the Scherer Plant. FPL's management costs include include administration, engineering, permit costs and various other costs. Contractor's expenses include field management, supervision, security, etc..

Site Management Expenses per month	$47,082
Number of months	24
Total Site Management Expenses	$1,129,968

Intake & Discharge Backfill

FPL's Power Generation Department (PGD) developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 for the intake and 1,120 cubic yards for the discharge will need to be filled. FPL's Construction Estimating Department has updated the costs The cost for the intake is $44,128. The cost for the discharge is $35,115 making a total cost of: $79,243

SCHERER DISMANTLEMENT STUDY

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by FPL's Power Generation Division has been updated by the Construction Estimating Department. The cost factor is $63,579 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Scherer Acreage to be graded and seeded	900.00
Cost Factor	$63,579
Total Grading and Seeding Expense	$57,221,100

Ash Pond

Common to Scherer Units 1 - 4 is a 490 acre ash pond. Georgia Power Corporation has analyzed the cost of activities associated with removing this pond as follows: The original estimate of $19,210,973 has been increased by Global Insight inflation factors for 2007 and 2008.

Description	
Ash Consolidation to 49 acres	$8,875,520
Multi-layer Subtitle D Cap/18" clay cap	8,782,227
Design and Engineering	118,209
Site Suitability Study	66,539
Well Installation	84,750
Annual Maintenance	541,070
Groundwater Monitoring (20 wells)	1,715,137
Total Cost to dismantle Ash Pond	$20,183,452

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At Scherer, the following cost estimates have been identified:

Description	Amount
Asbestos [see Unit 4 detail]	$8,683,391
Special Waste	4,307,982
Total	$12,991,373

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
SCHERER SITE COMMON (SUPPORTING UNITS 1 THROUGH 4)										
FERC Account 311										
Structures & Improvements										
Ponds										
Concrete - Spillway	CY	1	696.0	696.0	93.60	65,146	87.00	60,552	0.00	0
Subtotal						65,146		60,552		0
Ash Disposal Pond:										
Concrete - Spillway	CY	1	285.0	285.0	93.60	26,676	87.00	24,795	0.00	0
Subtotal						26,676		24,795		0
Maintenance Equipment Storage House										
Substructure Concrete	CY	1	84.0	84.0	93.60	7,862	87.00	7,308	0.00	0
Structural Steel	TN	1	15.0	15.0	240.90	3,614	0.00	0	120.00	1,800
Metal Siding	TN	1	1.1	1.1	518.30	570	0.00	0	120.00	132
Subtotal						12,046		7,308		1,932
Water Treatment Building										
Substructure Concrete	CY	1	3,400.0	3,400.0	93.60	318,240	87.00	295,800	0.00	0
Structural Steel	TN	1	220.0	220.0	240.90	52,998	0.00	0	120.00	26,400
Metal Siding	TN	1	16.0	16.0	518.30	8,293	0.00	0	120.00	1,920
Metal Wall Panel	TN	1	14.6	14.6	518.30	7,567	0.00	0	120.00	1,752
Masonry - Concrete Block	CY	1	200.0	200.0	37.44	7,488	87.00	17,400	0.00	0
Roof - Precast Concrete Roof Decking	CY	1	206.0	206.0	37.44	7,713	87.00	17,922	0.00	0
Other Superstructure Concrete	CY	1	450.0	450.0	37.44	16,848	87.00	39,150	0.00	0
Subtotal						419,147		370,272		30,072
Training Building										
Substructure Concrete	CY	1	230.0	230.0	93.60	21,528	87.00	20,010	0.00	0
Structural Steel	TN	1	40.0	40.0	240.90	9,636	0.00	0	120.00	4,800
Subtotal						31,164		20,010		4,800
Hydrogen House										
Substructure Concrete	CY	1	183.0	183.0	93.60	17,129	87.00	15,921	0.00	0
Precast Concrete Wall Panel	CY	1	223.3	223.3	37.44	8,360	87.00	19,427	0.00	0
Masonry - Concrete Block	CY	1	273.3	273.3	37.44	10,232	87.00	23,777	0.00	0
Roof - Precast Concrete Roof Decking	CY	1	217.8	217.8	37.44	8,154	87.00	18,949	0.00	0
Subtotal						43,875		78,074		0
Precipitator Control House										
Substructure Concrete	CY	1	611.0	611.0	93.60	57,190	87.00	53,157	0.00	0
Subtotal						57,190		53,157		0
Fire Protection Building										
Substructure Concrete - Valve House	CY	1	246.0	246.0	93.60	23,026	87.00	21,402	0.00	0
Substructure Concrete - Building #1	CY	1	261.0	261.0	93.60	24,430	87.00	22,707	0.00	0
Substructure Concrete - Building #2	CY	1	108.0	108.0	93.60	10,109	87.00	9,396	0.00	0
Masonry Block Building #1 & #2	CY	1	518.7	518.7	37.44	19,420	87.00	45,127	0.00	0
Precast Roof Panel - Building #1 & #2	CY	1	4.1	4.1	37.44	153	87.00	356	0.00	0
Subtotal						77,138		98,988		0

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Service Water Chlorine House										
Substructure Concrete	CY	1	186.0	186.0	93.60	17,410	87.00	16,182	0.00	0
Structural Steel	TN	1	22.0	22.0	240.90	5,300	0.00	0	120.00	2,640
Subtotal						22,710		16,182		2,640
Security Building										
Precast Concrete Wall Panel	CY	1	137.8	137.8	37.44	5,159	87.00	11,989	0.00	0
Masonry - Concrete Block	CY	1	141.7	141.7	37.44	5,305	87.00	12,328	0.00	0
Precast Concrete Roof Decking	CY	1	80.6	80.6	37.44	3,018	87.00	7,012	0.00	0
Subtotal						13,482		31,329		0
Well Pump House										
Substructure Concrete - Well Pump House	CY	1	22.0	22.0	93.60	2,059	87.00	1,914	0.00	0
Substructure Concrete - Pump House #2	CY	1	9.0	9.0	93.60	842	87.00	783	0.00	0
Structural Steel - Well Pump House	TN	1	3.0	3.0	240.90	723	0.00	0	120.00	360
Structural Steel - Pump House #2	TN	1	1.0	1.0	240.90	241	0.00	0	120.00	120
Precast Wall Panel - Well Pump	TN	1	100.0	100.0	518.30	51,830	0.00	0	0.00	0
Precast Roof - Well Pump House	CY	1	31.1	31.1	37.44	1,164	87.00	2,706	0.00	0
Concrete - Roof - Pump House #2	CY	1	2.0	2.0	37.44	75	87.00	174	0.00	0
Metal Siding - Pump House #2	TN	1	270.0	270.0	518.30	139,941	0.00	0	120.00	32,400
Subtotal						196,875		5,577		32,880
Lube Oil Storage House										
Substructure Concrete	CY	1	56.0	56.0	93.60	5,242	87.00	4,872	0.00	0
Structural Steel	TN	1	26.0	26.0	240.90	6,263	0.00	0	120.00	3,120
Precast Concrete Wall Panel	CY	1	146.7	146.7	37.44	5,492	87.00	12,763	0.00	0
Masonry - Concrete Block	CY	1	204.4	204.4	37.44	7,653	87.00	17,783	0.00	0
Precast Concrete Roof Decking	CY	1	63.1	63.1	37.44	2,362	87.00	5,490	0.00	0
Subtotal						27,012		40,908		3,120
Waste Water Control House										
Architectural Work:										
Masonry Block - House #1	CY	1	54.4	54.4	37.44	2,037	87.00	4,733	0.00	0
Masonry Block - House #2	CY	1	54.4	54.4	37.44	2,037	87.00	4,733	0.00	0
Precast Roof Panel - House #1	CY	1	35.6	35.6	37.44	1,333	87.00	3,097	0.00	0
Precast Roof Panel - House #2	CY	1	35.6	35.6	37.44	1,333	87.00	3,097	0.00	0
Subtotal						6,740		15,660		0
Air Compressor House										
Substructure Concrete	CY	1	50.0	50.0	93.60	4,680	87.00	4,350	0.00	0
Structural Steel	TN	1	12.0	12.0	240.90	2,891	0.00	0	120.00	1,440
Subtotal						7,571		4,350		1,440
River Intake Switchgear Building										
Substructure Concrete	CY	1	50.0	50.0	93.60	4,680	87.00	4,350	0.00	0
Structural Steel	TN	1	9.0	9.0	240.90	2,168	0.00	0	120.00	1,080
Masonry - Concrete Block	CY	1	33.3	33.3	37.44	1,247	87.00	2,897	0.00	0
Precast Concrete Wall Panel	CY	1	90.0	90.0	37.44	3,370	87.00	7,830	0.00	0
Precast Concrete Roof Decking	CY	1	57.2	57.2	37.44	2,142	87.00	4,976	0.00	0
Subtotal						13,607		20,053		1,080
Nitrogen Storage Pad										
Substructure Concrete	CY	1	4.0	4.0	93.60	374	87.00	348	0.00	0
Subtotal						374		348		0

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Sewage Treatment Facility										
Collection System Piping Concrete	CY	1	24.0	24.0	93.60	2,246	87.00	2,088	0.00	0
Subtotal						2,246		2,088		0
Utility Trench Concrete	CY	1	103.0	103.0	93.60	9,641	87.00	8,961	0.00	0
Waste Water Treatment System										
Concrete - Chemical Waste Basin	CY	1	440.0	440.0	93.60	41,184	87.00	38,280	0.00	0
Subtotal						41,184		38,280		0
Foundation:										
Concrete - Waste Water Basins	CY	1	1,275	1,275.0	93.60	119,340	87.00	110,925	0.00	0
Subtotal						119,340		110,925		0
Security Guard House										
Substructure Concrete	CY	1	43.0	43.0	93.60	4,025	87.00	3,741	0.00	0
Subtotal						4,025		3,741		0
Water Treatment Chlorine Storage House										
Structural Steel	TN	1	17.0	17.0	240.90	4,095	0.00	0	120.00	2,040
Precast Concrete Roof Decking	CY	1	69.4	69.4	37.44	2,598	87.00	6,038	0.00	0
Subtotal						6,693		6,038		2,040
Total Account 311						1,203,882		1,017,596		80,004
FERC Account 312										
Boiler Plant Equipment										
Auxiliary Boiler System										
Foundation Concrete	CY	1	20	20	93.60	1,872	87.00	1,740	0.00	0
Boiler	TN	2	328	656	240.90	158,030	0.00	0	120.00	78,720
Subtotal						159,902		1,740		78,720
Feedwater System:										
Pump	TN	3	23	69	321.20	22,163	0.00	0	120.00	8,280
4" Pipe	TN	1	2	2	321.20	642	0.00	0	120.00	240
Subtotal						22,805		0		8,520
Steam Distrib. System										
Piping - less than 4"	TN	1	3	3	321.20	964	0.00	0	120.00	360
8" Pipe	TN	1	5	5	321.20	1,606	0.00	0	120.00	600
10" Pipe	TN	1	14	14	321.20	4,497	0.00	0	120.00	1,680
14" Pipe	TN	1	85	85	321.20	27,302	0.00	0	120.00	10,200
16" Pipe	TN	1	4	4	321.20	1,285	0.00	0	120.00	480
Subtotal						35,654		0		13,320
Coal Handling System										
Unloading Conveyors	TN	1	26	26	321.20	8,351	0.00	0	120.00	3,120
Conveyor Motors	TN	4	0	1	321.20	385	0.00	0	120.00	144
Structural Steel - Conveyor S1	TN	1	91	91	240.90	21,922	0.00	0	120.00	10,920
Structural Steel - Conveyor S2	TN	1	91	91	240.90	21,922	0.00	0	120.00	10,920
Metal Siding - Conveyor S1	TN	1	7	7	518.30	3,628	0.00	0	120.00	840
Metal Siding - Conveyor S2	TN	1	5	5	518.30	2,592	0.00	0	120.00	600
Metal Roofing - Conveyor S1	TN	1	6	6	518.30	3,110	0.00	0	120.00	720

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Metal Roofing - Conveyor S2	TN	1	6	6	518.30	3,110	0.00	0	120.00	720
Foundation Concrete - Conveyor S1	CY	1	226	226	93.60	21,154	87.00	19,662	0.00	0
Foundation Concrete - Conveyor S2	CY	1	226	226	93.60	21,154	87.00	19,662	0.00	0
Tunnel - Conveyor S1	TN	1	470	470	321.20	150,964	0.00	0	120.00	56,400
Tunnel - Conveyor S2	TN	1	470	470	321.20	150,964	0.00	0	120.00	56,400
Conveyor Concrete - Superstructure (S1)	CY	1	26	26	93.60	2,434	87.00	2,262	0.00	0
Conveyor Concrete - Superstructure (S2)	CY	1	26	26	93.60	2,434	87.00	2,262	0.00	0
Conveyor S1	TN	1	15	15	321.20	4,818	0.00	0	120.00	1,800
Conveyor S2	TN	1	15	15	321.20	4,818	0.00	0	120.00	1,800
Motor	TN	2	3	5	321.20	1,606	0.00	0	120.00	600
Conveyor to Crshr Hse Concrete - Tunnel	CY	1	795	795	93.60	74,412	87.00	69,165	0.00	0
Subtotal						499,778		113,013		144,984
Coal Storage Area										
Unburned Coal	CY	1	35,000	35,000	0.00	0	5.00	175,000	0.00	0
Concrete - Pump Structure	CY	1	235	235	93.60	21,996	87.00	20,445	0.00	0
Concrete - Drainage Channel	CY	1	6,400	6,400	93.60	599,040	87.00	556,800	0.00	0
Concrete - Storage Pond	CY	1	5,635	5,635	93.60	527,436	87.00	490,245	0.00	0
Car Unloading Area Foundation Concrete	CY	1	10,920	10,920	93.60	1,022,112	87.00	950,040	0.00	0
Structural Metal - Grating	TN	1	50	50	321.20	16,060	0.00	0	120.00	6,000
Subtotal						2,186,644		2,192,530		6,000
Reclaim System										
Hopper & Tunnel Structure - Concrete	CY	1	1,070	1,070	93.60	100,152	87.00	93,090	0.00	0
Hopper & Trestle Concrete	CY	1	2,825	2,825	93.60	264,420	87.00	245,775	0.00	0
Tunnel - Concrete	CY	1	752	752	93.60	70,387	87.00	65,424	0.00	0
Structural Metal - Support Steel	TN	1	21	21	240.90	5,059	0.00	0	120.00	2,520
Reclaim Conveyor	LF	1	232	232	321.20	74,518	0.00	0	120.00	27,840
Motor	TN	2	1	2	321.20	642	0.00	0	120.00	240
Subtotal						515,178		404,289		30,600
Coal Handling Service Building										
Substructure Concrete - Building Found.	CY	1	1,273	1,273	93.60	119,153	87.00	110,751	0.00	0
Concrete - Paving	CY	1	2,050	2,050	93.60	191,880	87.00	178,350	0.00	0
Concrete - Ramp	CY	1	205	205	93.60	19,188	87.00	17,835	0.00	0
Structural Steel	TN	1	161	161	240.90	38,785	0.00	0	120.00	19,320
Precast Concrete Roof Decking	CY	1	903	903	37.44	33,820	87.00	78,587	0.00	0
Concrete - Roof	CY	1	229	229	37.44	8,574	87.00	19,923	0.00	0
Metal Siding	TN	1	16	16	518.30	8,293	0.00	0	120.00	1,920
Subtotal						419,693		405,446		21,240
Coal Handling Control House										
Substructure Concrete	CY	1	107	107	93.60	10,015	87.00	9,309	0.00	0
Structural Steel	TN	1	39	39	321.20	12,527	0.00	0	120.00	4,680
Superstructure - Concrete	CY	1	36	36	93.60	3,370	87.00	3,132	0.00	0
Superstructure - Metal Siding	TN	1	6	6	518.30	2,960	0.00	0	120.00	685
Subtotal						28,872		12,441		5,365
Fuel Handling Railroad										
Trestles - Structural Steel	TN	1	995	995	240.90	239,696	0.00	0	120.00	119,400
Trestles - Concrete Abutment	CY	1	117	117	93.60	10,951	87.00	10,179	0.00	0
Trestles - Concrete Bents	CY	1	1,550	1,550	93.60	145,080	87.00	134,850	0.00	0
Grating	TN	1	50	50	321.20	16,060	0.00	0	120.00	6,000
Subtotal						411,787		145,029		125,400

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Wet Ash Handling System - Transport System										
Supports - Concrete	CY	1	425	425	93.60	39,780	87.00	36,975	0.00	0
Piping - Grating	TN	1	80	80	321.20	25,696	0.00	0	120.00	9,600
Piping - Trench Concrete	CY	1	2,800	2,800	93.60	262,080	87.00	243,600	0.00	0
Subtotal						327,556		280,575		9,600
Control Air System										
Air Distrib System - Less than 4" Pipe	TN	1	34	34	321.20	10,921	0.00	0	120.00	4,080
Subtotal						10,921		0		4,080
Service Water System										
Service Water Pumping Substruct Concrete	CY	1	456	456	93.60	42,682	87.00	39,672	0.00	0
Masonry Wall	CY	1	25	25	37.44	936	87.00	2,175	0.00	0
Precast Concrete Roof Decking	CY	1	9	9	37.44	333	87.00	774	0.00	0
Less than 4" Pipe	TN	1	12	12	321.20	3,854	0.00	0	120.00	1,440
4" Pipe	TN	1	8	8	321.20	2,570	0.00	0	120.00	960
6" Pipe	TN	1	40	40	321.20	12,848	0.00	0	120.00	4,800
8" Pipe	TN	11	50	550	321.20	176,660	0.00	0	120.00	66,000
12" Pipe	TN	1	14	14	321.20	4,497	0.00	0	120.00	1,680
16" Pipe	TN	1	5	5	321.20	1,606	0.00	0	120.00	600
Subtotal						245,986		42,621		75,480
Chemical Waste Treatment System										
Sedimentation Tank	TN	6	4	23	321.20	7,323	0.00	0	120.00	2,736
Filtration Pump	TN	4	2	9	321.20	2,955	0.00	0	120.00	1,104
Subtotal						10,278		0		3,840
Total Account 312						4,875,054		3,597,684		527,149
FERC Account 314										
Turbogenerator Units										
Cooling Water System										
Cooling Water Dischrge Structure Concr	CY	1	810	810	93.60	75,816	87.00	70,470	0.00	0
Subtotal						75,816		70,470		0
Storage Water Intake Structure:										
Concrete	CY	1	948	948	93.60	88,733	87.00	82,476	0.00	0
Concrete - Deflector Wall	CY	1	144	144	37.44	5,391	87.00	12,528	0.00	0
Concrete - Superstructure	CY	1	325	325	37.44	12,168	87.00	28,275	0.00	0
Grating	TN	1	11	11	321.20	3,533	0.00	0	120.00	1,320
Structural Steel	TN	1	17	17	240.90	4,095	0.00	0	120.00	2,040
Subtotal						113,920		123,279		3,360
Storage Water Supply System										
Pump	TN	4	5	18	321.20	5,782	0.00	0	120.00	2,160
Motor	TN	4	11	44	321.20	14,261	0.00	0	120.00	5,328
Subtotal						20,043		0		7,488
Storage Pond Intake Structure										
Intake Structure Concrete	CY	1	53	53	93.60	4,961	87.00	4,611	0.00	0
Grating	TN	1	3	3	321.20	964	0.00	0	120.00	360
Subtotal						5,925		4,611		360

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Lifting System										
Overhead Crane	TN	1	198	198	240.90	47,698	0.00	0	120.00	23,760
Subtotal						47,698		0		23,760
Total Account 314						263,402		198,360		34,968
FERC Account 315										
Accessory Electrical Equipment										
A.C. System - 4kv										
Distribution System Switchgear Frame	TN	8	1	8	321.20	2,570	0.00	0	120.00	960
Total Account 315						2,570		0		960
FERC Account 316										
Miscellaneous Plant Equipment										
Station Maintenance Equipment	TN	1	0.50	0.5	321.20	161	0.00	0	120.00	60
Station Test Equipment	TN	1	0.50	0.5	321.20	161	0.00	0	120.00	60
Machine Shop Equipment	TN	1	0.50	0.5	321.20	161	0.00	0	120.00	60
Station Stores Equipment	TN	1	0.50	0.5	321.20	161	0.00	0	120.00	60
Training Equipment	TN	1	0.50	0.5	321.20	161	0.00	0	120.00	60
Plant Furnishings	TN	1	0.50	0.5	321.20	161	0.00	0	120.00	60
Site Support Mobile Equipment	TN	1	0.50	0.5	321.20	161	0.00	0	120.00	60
Total Account 316						1,127		0		420
TOTAL SCHERER SITE COMMON (SUPPORTING UNITS 1 THROUGH 4)						6,346,035		4,813,640		643,501
SCHERER UNITS 3 & 4 COMMON										
FERC Account 311										
Structures & Improvements										
Emergency Generator Building										
Substructure Concrete	CY	1	104.0	104.0	93.60	9,734	87.00	9,048	0.00	0
Structural Steel	TN	1	17.0	17.0	240.90	4,095	0.00	0	120.00	2,040
Metal Siding	TN	1	2,350.0	1.2	518.30	609	0.00	0	120.00	141
Insulation	CY	1	125.0	125.0	73.00	9,125	9.00	1,125	0.00	0
Masonry - Concrete Block	CY	1	136.7	136.7	37.44	5,118	87.00	11,893	0.00	0
Roof - Precast Concrete Roof Decking	CY	1	170.0	170.0	37.44	6,365	87.00	14,790	0.00	0
Subtotal						35,046		36,856		2,181
Substructure Concrete - House #1	CY	1	187.0	187.0	93.60	17,503	87.00	16,269	0.00	0
Substructure Concrete - House #2	CY	1	187.0	187.0	93.60	17,503	87.00	16,269	0.00	0
Structural Steel - House #1	TN	1	27.0	27.0	240.90	6,504	0.00	0	120.00	3,240
Structural Steel - House #2	TN	1	27.0	27.0	240.90	6,504	0.00	0	120.00	3,240
Masonry Block - House #1	CY	1	245.0	245.0	37.44	9,173	87.00	21,315	0.00	0
Masonry Block - House #2	CY	1	215.6	215.6	37.44	8,072	87.00	18,757	0.00	0
Insulation	CY	1	100.0	100.0	73.00	7,300	9.00	900	0.00	0
Precast Wall Panel - House #1	CY	1	173.1	173.1	37.44	6,481	87.00	15,060	0.00	0
Precast Wall Panel - House #2	CY	1	173.1	173.1	37.44	6,481	87.00	15,060	0.00	0
Precast Roof Panel - House #1	CY	1	164.4	164.4	37.44	6,155	87.00	14,303	0.00	0
Precast Roof Panel - House #2	CY	1	164.4	164.4	37.44	6,155	87.00	14,303	0.00	0
Subtotal						97,831		132,236		6,480

SCHERER DISMANTLEMENT STUDY

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Chem Wst Trtmnt Contr Hse										
Substr Concrete	CY	1	12.0	12.0	93.60	1,123	87.00	1,044	0.00	0
Subtotal						1,123		1,044		0
Total Account 311						134,000		170,136		8,661
FERC Account 312										
Boiler Plant Equipment										
Lighter Oil System										
Fuel Supply Facilities, Lighter Oil System										
Fuel Supply Facils Foundation Concrete	CY	1	182.0	182.0	93.60	17,035	87.00	15,834	0.00	0
Fuel Storage Facils Foundation Concrete	CY	1	182.0	182.0	93.60	17,035	87.00	15,834	0.00	0
Subtotal						34,070		31,668		0
Fuel Storage Facilities										
Foundation	CY	1	50.0	50.0	93.60	4,680	87.00	4,350	0.00	0
Retaining Enclosure - Concrete	CY	1	630.0	630.0	93.60	58,968	87.00	54,810	0.00	0
Tank Demolition	TN	2	7.0	14.0	n/a	50,000	0.00	0	120.00	1,680
Soil Remediation					n/a	0	n/a	148,666	0.00	0
Clean Tank (11,900 bbl capacity)	BBL	2	1.0	2.0	n/a	0	n/a	13,000	0.00	0
Subtotal						113,648		220,826		1,680
Stack										
Subfoundation, Stack	CY	1	20,000.0	20,000.0	93.60	1,872,000	87.00	1,740,000	0.00	0
Concrete	CY	1	8,300.0	8,300.0	93.60	776,880	87.00	722,100	0.00	0
Steel Liner	TN	1	220.0	220.0	321.20	70,664	0.00	0	120.00	26,400
Subtotal						2,719,544		2,462,100		26,400
Coal Handling Switchgear House										
Subfound Wrk, Cl Hndlg Switchgear House										
Substructure Concrete	CY	1	195.0	195.0	93.60	18,252	87.00	16,965	0.00	0
Structural Steel	TN	1	22.0	22.0	321.20	7,066	0.00	0	120.00	2,640
Superstructure - Metal Siding	TN	1	3.6	3.6	518.30	1,888	0.00	0	120.00	437
Subtotal						27,206		16,965		3,077
Treated Water System										
Raw Water Supply Pump	TN	4	15.0	60.0	321.20	19,272	0.00	0	120.00	7,200
Water Treatment System - Tank	TN	1	9.0	9.0	321.20	2,891	0.00	0	120.00	1,080
4" Pipe	TN	1	14.0	14.0	321.20	4,497	0.00	0	120.00	1,680
Subtotal						26,660		0		9,960
Chemical Storage Facilities:										
Tank Foundation Concrete	CY	1	320.0	320.0	93.60	29,952	87.00	27,840	0.00	0
Retaining Wall Concrete	CY	1	24.0	24.0	93.60	2,246	87.00	2,088	0.00	0
Less than 4" Pipe	TN	1	49.0	49.0	321.20	15,739	0.00	0	120.00	5,880
Subtotal						47,937		29,928		5,880
Condensate Storage & Transfer:										
Tank Foundation Concrete	CY	1	108.0	108.0	93.60	10,109	87.00	9,396	0.00	0
Tank	TN	4	60.0	240.0	321.20	77,088	0.00	0	120.00	28,800
Piping - Trench Concrete	CY	1	120.0	120.0	93.60	11,232	87.00	10,440	0.00	0
Pump	TN	4	1.8	7.2	321.20	2,313	0.00	0	120.00	864
Water Treatment Pump	TN	4	1.5	6.0	321.20	1,927	0.00	0	120.00	720

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Water Treatment Tank	TN	2	6.5	13.0	321.20	4,176	0.00	0	120.00	1,560
Subtotal						106,845		19,836		31,944
Filtered Water System										
Supply system Piping:										
Less than 4" Pipe	TN	1	4.0	4.0	321.20	1,285	0.00	0	120.00	480
4" Pipe	TN	1	6.0	6.0	321.20	1,927	0.00	0	120.00	720
6" Pipe	TN	1	18.0	18.0	321.20	5,782	0.00	0	120.00	2,160
Subtotal						8,994		0		3,360
Filtered Water Storage System:										
Foundation Concrete	CY	1	50.0	50.0	93.60	4,680	87.00	4,350	0.00	0
Tank	TN	1	52.0	52.0	321.20	16,702	0.00	0	120.00	6,240
Subtotal						21,382		4,350		6,240
Total Account 312						3,106,286		2,785,673		88,541
FERC Account 314										
Turbogenerator Equipment										
Lube Oil System										
Oil Storage Tank		2	14.0	28.0	n/a	5,000	n/a	0	120.00	3,360
Soil Remediation		1			n/a	0	n/a	2,262		
Tank Cleaning		1			n/a	0	n/a	4,480		
Oil Storage Tank Foundation Concrete		1	64.0	64.0	n/a	5,513	n/a	0	0.00	0
Subtotal						10,513		6,742		3,360
Total Account 314						10,513		6,742		3,360
TOTAL SCHERER UNITS 3 & 4 COMMON						3,250,799		2,962,551		100,562
SCHERER UNIT 4										
FERC Account 311										
Structures & Improvements										
Architectural										
Grating	TN	1	95.0	95.0	321.20	30,514	0.00		120.00	11,400
Masonry Block - MCC Room	CY	1	31.2	31.2	37.44	1,168	87.00	2,714	0.00	0
Masonry Block - Battery Room	CY	1	49.3	49.3	37.44	1,846	87.00	4,289	0.00	0
Metal Panel - Operator Floor	CY	1	5.5	5.5	518.30	2,851	0.00	0	120.00	660
Metal Panel - Switchgear Room	CY	1	8.5	8.5	518.30	4,406	0.00	0	120.00	1,020
Insulation	CY	1	200.0	200.0	73.00	14,600	9.00	1,800	0.00	0
Superstructure - Concrete Roof	CY	1	586.0	586.0	37.44	21,940	87.00	50,982	0.00	0
Subtotal						77,325		59,785		13,080
Fire Protection System - Piping	TN	1	12.0	12.0	321.20	3,854	0.00		120.00	1,440
Steam Generator Building										
Grating	TN	1	920.0	920.0	518.30	476,836	0.00	0	120.00	110,400
Masonry Block - Restrooms	CY	1	32.2	32.2	37.44	1,206	87.00	2,801	0.00	0
Metal Panel - Compressor Room	TN	1	3.7	3.7	518.30	1,918	0.00	0	120.00	444
Metal Panel - Elevator Encl	TN	1	16.9	16.9	518.30	8,759	0.00	0	120.00	2,028
Metal Panel - Water Analysis Room	TN	1	5.2	5.2	518.30	2,695	0.00	0	120.00	624
Metal Panel - Operator Fl Encl	TN	1	3.5	3.5	518.30	1,814	0.00	0	120.00	420
Metal Panel - Air Compr Room	TN	1	5.3	5.3	518.30	2,747	0.00	0	120.00	636
Accoustical Panel - Fan Room	TN	1	12.1	12.1	518.30	6,271	0.00	0	120.00	1,452

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Insulation	CY	1	250.0	250.0	73.00	18,250	9.00	2,250	0.00	0
Metal Panel - HVAC Room	TN	1	4.3	4.3	518.30	2,229	0.00	0	120.00	516
Metal Panel - MCC Room	TN	1	1.2	1.2	518.30	622	0.00	0	120.00	144
Subtotal						523,347		5,051		116,664
Superstructure										
Metal Panel - Record Storage Room	TN	1	2.9	2.9	518.30	1,503	0.00	0	120.00	348
Metal Panel - LightingMCC Room	TN	1	0.9	0.9	518.30	466	0.00	0	120.00	108
Metal Panel - Tripper Room	TN	1	36.1	36.1	518.30	18,711	0.00	0	120.00	4,332
Metal Panel - Cable Spread Room	TN	1	7.4	7.4	518.30	3,835	0.00	0	120.00	888
Subtotal						24,515		0		5,676
Coal Bunker	TN	1	1,895.0	1,895.0	240.90	456,506	0.00	0	120.00	227,400
Superstructure Concrete										
Roof - Concrete	CY	1	1,520.0	1,520.0	37.44	56,909	87.00	132,240	0.00	0
Subtotal						56,909		132,240		0
Fire Protection System										
Less than 4" Pipe	TN	1	5.0	5.0	321.20	1,606	0.00	0	120.00	600
4" Pipe	TN	1	3.0	3.0	321.20	964	0.00	0	120.00	360
6" Pipe	TN	1	13.0	13.0	321.20	4,176	0.00	0	120.00	1,560
8" Pipe	TN	1	13.0	13.0	321.20	4,176	0.00	0	120.00	1,560
10" Pipe	TN	1	9.0	9.0	240.90	2,168	0.00	0	120.00	1,080
Subtotal						13,090		0		5,160
Environmental Monitoring Facility										
Concrete Substructure	CY	1	14.0	14.0	37.44	524	87.00	1,218		0
Subtotal						524		1,218		0
Total Account 311						1,156,070		198,294		369,420
FERC Account 312										
Boiler Plant Equipment										
Steam Generating System										
Boiler Enclosure										
Boiler	TN	1	14,506.0	14,506.0	240.90	3,494,495	0.00	0	120.00	1,740,720
Boiler Setting Insulation	CY	1	3,300.0	3,300.0	73.00	240,900	9.00	29,700	0.00	0
Air Heaters Casing	TN	1	1,122.0	1,122.0	321.20	360,386	0.00	0	120.00	134,640
Subtotal						4,095,781		29,700		1,875,360
Seal Air System:										
Seal Air System Fan	TN	2	35.0	70.0	321.20	22,484	0.00	0	120.00	8,400
Boiler Intake Ductwork	TN	1	800.0	800.0	321.20	256,960	0.00	0	120.00	96,000
Boiler Exhaust Ductwork	TN	1	845.0	845.0	321.20	271,414	0.00	0	120.00	101,400
Gas Recirculation Ductwork	TN	1	816.0	816.0	321.20	262,099	0.00	0	120.00	97,920
Gas Recircul. Fan	TN	1	46.0	46.0	321.20	14,775	0.00	0	120.00	5,520
Gas Recircul. Fan Drive	TN	1	12.0	12.0	321.20	3,854	0.00	0	120.00	1,440
Soot Blowers	TN	182	0.2	36.0	321.20	11,563	0.00	0	120.00	4,320
Subtotal						843,149		0		315,000
Boiler Water Circulating System										
Boiler Water Circulation Pump	TN	4	31.0	124.0	321.20	39,829	0.00	0	120.00	14,880
Subtotal						39,829		0		14,880

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Pulverized Coal Firing System										
Boiler Burners	TN	9	0.5	4.5	321.20	1,445	0.00	0	120.00	540
Pulverizer	TN	9	23.0	207.0	240.90	49,866	0.00	0	120.00	24,840
Motor - 600 hp (7 ea) & 800 hp (2 ea)	TN	9	3.8	34.2	321.20	10,985	0.00	0	120.00	4,104
Foundation Concrete	CY	1	208.0	208.0	93.60	19,469	87.00	18,096	0.00	0
Coal Feeders	TN	9	5.0	45.0	240.90	10,841	0.00	0	120.00	5,400
Subtotal						92,606		18,096		34,884
Primary Air System:										
Primary Air Ductwork	TN	1	845.0	845.0	321.20	271,414	0.00	0	120.00	101,400
Fan	TN	2	66.0	132.0	321.20	42,398	0.00	0	120.00	15,840
Motor	TN	2	30.3	60.6	321.20	19,465	0.00	0	120.00	7,272
Foundation Concrete	CY	1	95.0	95.0	93.60	8,892	87.00	8,265	0.00	0
Coal Firing System Piping	TN	1	17.0	17.0	321.20	5,460	0.00	0	120.00	2,040
Coal Firing System Hoist	TN	19	26.0	494.0	321.20	158,673	0.00	0	120.00	59,280
Subtotal						506,302		8,265		185,832
Lighter Oil System										
Ignitors	TN	72	0.2	14.4	321.20	4,625	0.00	0	120.00	1,728
Fuel Supply Motor	TN	2	0.4	0.8	518.30	415	0.00	0	120.00	96
Piping	TN	1	7.0	7.0	518.30	3,628	0.00	0	120.00	840
Subtotal						8,668		0		2,664
Fuel Storage Facilities, Lighter Oil System										
Fuel Storage Pump	TN	2	1.5	3.0	518.30	1,555	0.00	0	120.00	360
Fuel Storage Piping - 3"	TN	1	3.0	3.0	518.30	1,555	0.00	0	120.00	360
Insulation	CY	1	100.0	100.0	73.00	7,300	9.00	900	0.00	0
Feedwater Motor	TN	1	9.9	9.9	321.20	3,180	0.00	0	120.00	1,188
Subtotal						13,590		900		1,908
Boiler Plant Equipment										
Blowdown Piping										
Blowdown Piping -Less than 4" Pipe	TN	1	14.0	14.0	518.30	7,256	0.00	0	120.00	1,680
Blowdown Piping -6" Pipe	TN	1	3.0	3.0	321.20	964	0.00	0	120.00	360
Blowdown Piping -12" Pipe	TN	1	6.0	6.0	240.90	1,445	0.00	0	120.00	720
Blowdown Piping -16" Pipe	TN	1	8.0	8.0	240.90	1,927	0.00	0	120.00	960
Insulation	CY	1	125.0	125.0	73.00	9,125	9.00	1,125	0.00	0
Blowdown Piping -24" Pipe	TN	1	30.0	30.0	240.90	7,227	0.00	0	120.00	3,600
Subtotal						27,944		1,125		7,320
Draft System										
Precipitators Foundation - Concrete	CY	4	185.0	740.0	93.60	69,264	87.00	64,380	0.00	0
Precipitators Drainage Slab - Concrete	CY	1	830.0	830.0	93.60	77,688	87.00	72,210	0.00	0
Precipitator	TN	4	1,915.0	7,660.0	240.90	1,845,294	0.00	0	120.00	919,200
Precipitator Structural Steel	TN	1	410.0	410.0	240.90	98,769	0.00	0	120.00	49,200
Precipitator Grating	TN	1	25.0	25.0	518.30	12,958	0.00	0	120.00	3,000
Forced Draft Fan Outlet Ductwork	TN	1	80.0	80.0	321.20	25,696	0.00	0	120.00	9,600
Forced Draft Fan Foundation	CY	1	25.0	25.0	93.60	2,340	87.00	2,175	0.00	0
Forced Draft Fan Support Steel	TN	1	150.0	150.0	240.90	36,135	0.00	0	120.00	18,000
Precip. Inlet Ductwork	TN	1	783.0	783.0	321.20	251,500	0.00	0	120.00	93,960
Precip. Foundation Support Steel	TN	1	200.0	200.0	240.90	48,180	0.00	0	120.00	24,000
Precip. Foundation Concrete	CY	1	200.0	200.0	93.60	18,720	87.00	17,400	0.00	0
Precip. Outlet Ductwork	TN	1	427.0	427.0	321.20	137,152	0.00	0	120.00	51,240

SCHERER DISMANTLEMENT STUDY

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Precip. Ductwork Foundation - Concrete	CY	1	100.0	100.0	93.60	9,360	87.00	8,700	0.00	0
Precip. Ductwork Support Steel	TN	1	400.0	400.0	240.90	96,360	0.00	0	120.00	48,000
Induced Draft Ductwork	TN	1	684.0	684.0	321.20	219,701	0.00	0	120.00	82,080
ID Fan Ductwork Foundation - Concrete	CY	1	100.0	100.0	93.60	9,360	87.00	8,700	0.00	0
ID Fan Ductwork Fndtn - Support Steel	TN	1	531.0	531.0	240.90	127,918	0.00	0	120.00	63,720
Ductwork System Insulation	CY	1	450.0	450.0	73.00	32,850	9.00	4,050	0.00	0
Subtotal						3,119,245		177,615		1,362,000
Forced Draft Fans & Drives, Draft System										
Forced Draft Fans	TN	4	62.5	250.0	321.20	80,300	0.00	0	120.00	30,000
Forced Draft Fan Motors	TN	4	16.1	64.4	321.20	20,685	0.00	0	120.00	7,728
Forced Draft Fan Foundation - Concrete	CY	1	4.0	4.0	93.60	374	87.00	348	0.00	0
Subtotal						101,359		348		37,728
Induced Draft Fans										
Fans	TN	4	282.0	1,128.0	321.20	362,314	0.00	0	120.00	135,360
Induced Draft Fan Motors	TN	4	22.0	88.0	321.20	28,266	0.00	0	120.00	10,560
Subtotal						390,580		0		145,920
Transfer Conveyor										
Magnetic Separator	TN	1	3.0	3.0	240.90	723	0.00	0	120.00	360
Subtotal						723		0		360
Conveyor to Crusher House:										
Support Steel	TN	1	155.0	155.0	240.90	37,340	0.00	0	120.00	18,600
Conveyor Foundation - Concrete	CY	1	212.0	212.0	93.60	19,843	87.00	18,444	0.00	0
Conveyor - Concrete Superstructure	CY	1	84.0	84.0	37.44	3,145	87.00	7,308	0.00	0
Conveyor - Metal Roofing	TN	1	9.0	9.0	321.20	2,891	0.00	0	120.00	1,080
Conveyor - Metal Siding	TN	1	15.0	15.0	321.20	4,818	0.00	0	120.00	1,800
Conveyor - Motor	TN	1	1.6	1.6	321.20	514	0.00	0	120.00	192
Subtotal						68,551		25,752		21,672
Boiler Plant Equipment										
Conveyor to Powerhouse:										
Support Steel	TN	1	308.0	308.0	240.90	74,197	0.00	0	120.00	36,960
Conveyor - Metal Roofing	TN	1	12.0	12.0	321.20	3,854	0.00	0	120.00	1,440
Conveyor - Metal Siding	TN	1	20.0	20.0	321.20	6,424	0.00	0	120.00	2,400
Conveyor - Motor	TN	1	1.7	1.7	321.20	546	0.00	0	120.00	204
Subtotal						85,021		0		41,004
Tripper Conveyor:										
Motor	TN	3	1,562.0	4,686.0	321.20	1,505,143	0.00	0	120.00	562,320
Carriage	TN	1	2.0	2.0	321.20	642	0.00	0	120.00	240
Subtotal						1,505,785		0		562,560
Crushing System										
Crusher	TN	1	26.0	26.0	321.20	8,351	0.00	0	120.00	3,120
Crusher Motor	TN	1	9.4	9.4	321.20	3,019	0.00	0	5,000.00	47,000
Subtotal						11,370		0		50,120
Sampling System (Sampler & Control Instl)	TN	1	7.0	7.0	321.20	2,248	0.00		120.00	840

SCHERER DISMANTLEMENT STUDY

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Coal Handling Motor Control House										
Substructure Concrete	CY	1	70.0	70.0	93.60	6,552	87.00	6,090	0.00	0
Structural Steel	TN	1	8.0	8.0	240.90	1,927	0.00	0	120.00	960
Roof Decking Concrete	CY	1	117.8	117.8	37.44	4,410	87.00	10,249	0.00	0
Wall Panel Concrete	CY	1	191.1	191.1	37.44	7,155	87.00	16,626	0.00	0
Subtotal						20,044		32,965		960
Coal Handling Crusher House										
Substructural Concrete	CY	1	295.0	295.0	93.60	27,612	87.00	25,665	0.00	0
Structural Steel	TN	1	194.0	194.0	240.90	46,735	0.00	0	120.00	23,280
Subtotal						74,347		25,665		23,280
Architectural Work - Superstructure:										
Masonry - Concrete Block	CY	1	161.1	161.1	37.44	6,032	87.00	14,016	0.00	0
Concrete	CY	1	85.0	85.0	37.44	3,182	87.00	7,395	0.00	0
Metal Siding	TN	1	12.0	12.0	321.20	3,854	0.00	0	120.00	1,440
Subtotal						13,068		21,411		1,440
Wet Ash Handling System										
Pyrite Hopper	TN	2	2.4	4.8	321.20	1,542	0.00	0	120.00	576
4" & 12" Pipe	TN	1	3.0	3.0	321.20	964	0.00	0	120.00	360
Subtotal						2,506		0		936
Boiler Bottom Ash Removal System:										
Clinker Grinder	TN	4	3.0	12.0	240.90	2,891	0.00	0	120.00	1,440
Piping - 4"	TN	1	4.0	4.0	321.20	1,285	0.00	0	120.00	480
Piping - 6"	TN	1	4.0	4.0	321.20	1,285	0.00	0	120.00	480
Piping - 8"	TN	1	30.0	30.0	321.20	9,636	0.00	0	120.00	3,600
Piping - Ash 10"	TN	1	24.0	24.0	240.90	5,782	0.00	0	120.00	2,880
Piping - 12"	TN	1	3.0	3.0	240.90	723	0.00	0	120.00	360
Air Separator & Tank	TN	1	2.0	2.0	321.20	642	0.00	0	120.00	240
Transport System - Pump	TN	6	15.2	91.2	321.20	29,293	0.00	0	120.00	10,944
Transport System - Motor	TN	6	5.2	31.2	321.20	10,021	0.00	0	120.00	3,744
Subtotal						61,558		0		24,168
Boiler Plant Equipment										
Sluice Water System										
Less than 4" Pipe	TN	1	8.0	8.0	321.20	2,570	0.00	0	120.00	960
4" Pipe	TN	1	7.0	7.0	321.20	2,248	0.00	0	120.00	840
6" Pipe	TN	1	8.0	8.0	321.20	2,570	0.00	0	120.00	960
10" Pipe	TN	1	13.0	13.0	240.90	3,132	0.00	0	120.00	1,560
12" Pipe	TN	1	5.0	5.0	240.90	1,205	0.00	0	120.00	600
Lifting System Motor	TN	2	1.1	2.2	321.20	707	0.00	0	120.00	264
Lifting System Hoist	TN	1	18.0	18.0	321.20	5,782	0.00	0	120.00	2,160
Subtotal						18,214		0		7,344
Control Air System:										
Air Dryer	TN	1	9.7	9.7	321.20	3,116	0.00	0	120.00	1,164
Compressor	TN	1	6.0	6.0	321.20	1,927	0.00	0	120.00	720
Subtotal						5,043		0		1,884

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Air Distribution System - Piping:		1								
Less than 4" Pipe	TN	1	37.0	37.0	321.20	11,884	0.00	0	120.00	4,440
4" Pipe	TN	1	2.0	2.0	321.20	642	0.00	0	120.00	240
8" Pipe	TN	1	5.0	5.0	321.20	1,606	0.00	0	120.00	600
Subtotal						14,132		0		5,280
Plant Service Water System										
Plant Service Water Pump	TN	1	22.0	22.0	321.20	7,066	0.00	0	120.00	2,640
Motor	TN	1	14.4	14.4	321.20	4,625	0.00	0	120.00	1,728
Subtotal						11,691		0		4,368
Piping, Main line:										
Less than 4" Pipe	TN	1	3.0	3.0	321.20	964	0.00	0	120.00	360
4" Pipe	TN	1	6.0	6.0	321.20	1,927	0.00	0	120.00	720
6" Pipe	TN	1	18.0	18.0	321.20	5,782	0.00	0	120.00	2,160
Insulation	CY	1	100.0	100.0	73.00	7,300	9.00	900	0.00	0
10" Pipe	TN	1	12.0	12.0	240.90	2,891	0.00	0	120.00	1,440
12" Pipe	TN	1	4.0	4.0	240.90	964	0.00	0	120.00	480
16" Pipe	TN	1	5.0	5.0	240.90	1,205	0.00	0	120.00	600
Subtotal						21,033		900		5,760
Main Turbine Steam System										
Main Steam Piping:										
18" Pipe	TN	1	11.0	11.0	240.90	2,650	0.00	0	120.00	1,320
Insulation	CY	1	100.0	100.0	73.00	7,300	9.00	900	0.00	0
22" Pipe	TN	1	105.0	105.0	240.90	25,295	0.00	0	120.00	12,600
28" Pipe	TN	1	202.0	202.0	240.90	48,662	0.00	0	120.00	24,240
Subtotal						83,907		900		38,160
Hot Reheat Piping:										
32" Pipe	TN	1	224.0	224.0	240.90	53,962	0.00	0	120.00	26,880
Insulation	CY	1	100.0	100.0	73.00	7,300	9.00	900	0.00	0
42" Pipe	TN	1	193.0	193.0	240.90	46,494	0.00	0	120.00	23,160
Subtotal						107,756		900		50,040
Cold Reheat Piping:										
32 3/4" Pipe	TN	1	60.0	60.0	240.90	14,454	0.00	0	120.00	7,200
Insulation	CY	1	100.0	100.0	73.00	7,300	9.00	900	0.00	0
42" Pipe	TN	1	76.0	76.0	240.90	18,308	0.00	0	120.00	9,120
Subtotal						40,062		900		16,320
Main Steam Bypass System Piping:		1								
12" Pipe	TN	1	13.0	13.0	240.90	3,132	0.00	0	120.00	1,560
Insulation	CY	1	100.0	100.0	73.00	7,300	9.00	900	0.00	0
24" Pipe	TN	1	65.0	65.0	240.90	15,659	0.00	0	120.00	7,800
Subtotal						26,091		900		9,360
Extraction Steam System										
8" Pipe	TN	1	3.0	3.0	321.20	964	0.00	0	120.00	360
Insulation	CY	1	100.0	100.0	73.00	7,300	9.00	900	0.00	0
12" Pipe	TN	1	8.0	8.0	240.90	1,927	0.00	0	120.00	960
Subtotal						10,191		900		1,320

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SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
LP Heater Steam Piping:										
18" Pipe	TN	1	4.0	4.0	240.90	964	0.00	0	120.00	480
24" Pipe	TN	1	9.0	9.0	240.90	2,168	0.00	0	120.00	1,080
Insulation	CY	1	100.0	100.0	73.00	7,300	9.00	900	0.00	0
26" Pipe	TN	1	5.0	5.0	240.90	1,205	0.00	0	120.00	600
30" Pipe	TN	1	11.0	11.0	240.90	2,650	0.00	0	120.00	1,320
36" Pipe	TN	1	12.0	12.0	240.90	2,891	0.00	0	120.00	1,440
42" Pipe	TN	1	12.0	12.0	240.90	2,891	0.00	0	120.00	1,440
54" Pipe	TN	1	10.0	10.0	240.90	2,409	0.00	0	120.00	1,200
Subtotal						22,478		900		7,560
Soot Blower Steam Piping:										
Less than 4" Pipe	TN	1	2.0	2.0	321.20	642	0.00	0	120.00	240
Insulation	CY	1	100.0	100.0	73.00	7,300	9.00	900	0.00	0
4" Pipe	TN	1	21.0	21.0	321.20	6,745	0.00	0	120.00	2,520
6" Pipe	TN	1	7.0	7.0	321.20	2,248	0.00	0	120.00	840
Subtotal						16,935		900		3,600
Air Heater Steam Piping:										
Less than 4" Pipe	TN	1	1.0	1.0	321.20	321	0.00	0	120.00	120
Insulation	CY	1	100.0	100.0	73.00	7,300	9.00	900	0.00	0
6" Pipe	TN	1	2.0	2.0	321.20	642	0.00	0	120.00	240
10" Pipe	TN	1	9.0	9.0	240.90	2,168	0.00	0	120.00	1,080
Subtotal						10,431		900		1,440
Deaerator Steam Piping:										
18" Pipe	TN	1	12.0	12.0	240.90	2,891	0.00	0	120.00	1,440
Insulation	CY	1	50.0	50.0	73.00	3,650	9.00	450	0.00	0
24" Pipe	TN	1	3.0	3.0	240.90	723	0.00	0	120.00	360
Subtotal						7,264		450		1,800
Turbine Gland Seal System Piping:										
Less than 4" Pipe	TN	1	1.0	1.0	321.20	321	0.00	0	120.00	120
4" Pipe	TN	1	4.0	4.0	321.20	1,285	0.00	0	120.00	480
Insulation	CY	1	50.0	50.0	73.00	3,650	9.00	450	0.00	0
18" Pipe	TN	1	12.0	12.0	240.90	2,891	0.00	0	120.00	1,440
24" Pipe	TN	1	3.0	3.0	240.90	723	0.00	0	120.00	360
Subtotal						8,870		450		2,400
Vent & Drain Systems										
Boiler Vent Piping:										
Less than 4" Pipe	TN	1	41.0	41.0	321.20	13,169	0.00	0	120.00	4,920
Insulation	CY	1	75.0	75.0	73.00	5,475	9.00	675	0.00	0
6" Pipe	TN	1	24.0	24.0	321.20	7,709	0.00	0	120.00	2,880
10" Pipe	TN	1	8.0	8.0	240.90	1,927	0.00	0	120.00	960
12" Pipe	TN	1	4.0	4.0	240.90	964	0.00	0	120.00	480
16" Pipe	TN	1	42.0	42.0	240.90	10,118	0.00	0	120.00	5,040
18" Pipe	TN	1	14.0	14.0	240.90	3,373	0.00	0	120.00	1,680
20" Pipe	TN	1	50.0	50.0	240.90	12,045	0.00	0	120.00	6,000
30" Pipe	TN	1	5.0	5.0	240.90	1,205	0.00	0	120.00	600
Subtotal						55,985		675		22,560

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
High Pressure Heater Vent & Drain System:										
6" Pipe	TN	1	7.0	7.0	321.20	2,248	0.00	0	120.00	840
Subtotal						2,248		0		840
Low Pressure Heater Vent & Drain System:		1								
Less than 4" Pipe	TN	1	27.0	27.0	321.20	8,672	0.00	0	120.00	3,240
Insulation	CY	1	75.0	75.0	73.00	5,475	9.00	675	0.00	0
6" Pipe	TN	1	4.0	4.0	321.20	1,285	0.00	0	120.00	480
8" Pipe	TN	1	3.0	3.0	321.20	964	0.00	0	120.00	360
10" Pipe	TN	1	4.0	4.0	240.90	964	0.00	0	120.00	480
12" Pipe	TN	1	17.0	17.0	240.90	4,095	0.00	0	120.00	2,040
Subtotal						21,455		675		6,600
Steam Vent And Drain System										
Steam Vent	TN	3	6.0	18.0	321.20	5,782	0.00	0	120.00	2,160
Subtotal						5,782		0		2,160
Condensate Vent & Drain System										
Condensate Vent Pipe - 6" [& 18"]	TN	1	7.0	7.0	321.20	2,248	0.00	0	120.00	840
Subtotal						2,248		0		840
Condensate System:										
Less than 4" Pipe	TN	1	11.0	11.0	321.20	3,533	0.00	0	120.00	1,320
6" Pipe	TN	1	32.0	32.0	321.20	10,278	0.00	0	120.00	3,840
10" Pipe	TN	1	2.0	2.0	240.90	482	0.00	0	120.00	240
14" Pipe	TN	1	4.0	4.0	240.90	964	0.00	0	120.00	480
16" Pipe	TN	1	59.0	59.0	240.90	14,213	0.00	0	120.00	7,080
20" Pipe	TN	1	29.0	29.0	240.90	6,986	0.00	0	120.00	3,480
24" Pipe	TN	1	2.0	2.0	240.90	482	0.00	0	120.00	240
36" Pipe	TN	1	5.0	5.0	240.90	1,205	0.00	0	120.00	600
Subtotal						38,143		0		17,280
Boiler Plant Piping System Insulation	CY	1	45	45.0	73.00	3,285	9.00	405	0.00	0
Low Pressure Heaters, Condensate System										
Low Pressure Heaters	TN	4	39.3	157.2	321.20	50,493	0.00	0	120.00	18,864
Subtotal						50,493		0		18,864
Deaerator & Tank, Condensate System										
Deaerator	TN	1	9.0	9.0	321.20	2,891	0.00	0	120.00	1,080
Steel	TN	1	6.0	6.0	321.20	1,927	0.00	0	120.00	720
Deaerator Storage Tank	TN	1	78.0	78.0	321.20	25,054	0.00	0	120.00	9,360
Steel	TN	1	8.0	8.0	321.20	2,570	0.00	0	120.00	960
Insulation & Lagging	CY	1	8.0	8.0	73.00	584	9.00	72	0.00	0
Subtotal						33,026		72		12,120
Condensate Pumps & Drives										
Condensate Pump	TN	3	8.0	24.0	321.20	7,709	0.00	0	120.00	2,880
Condensate Motor	TN	3	8.0	24.0	321.20	7,709	0.00	0	120.00	2,880
Subtotal						15,418		0		5,760
Condensate Auxiliary Systems										
Chemical Feed System Pump	TN	8	0.3	2.4	321.20	771	0.00	0	120.00	288
Subtotal						771		0		288

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Chemical Feed Piping:										
Less than 4" Pipe	TN	1	34.0	34.0	321.20	10,921	0.00	0	120.00	4,080
10" Pipe	TN	1	55.0	55.0	240.90	13,250	0.00	0	120.00	6,600
12" Pipe	TN	1	42.0	42.0	240.90	10,118	0.00	0	120.00	5,040
Subtotal						34,289		0		15,720
Spray Water System Piping:										
6" Pipe	TN	1	5.0	5.0	321.20	1,606	0.00	0	120.00	600
8" Pipe	TN	1	4.0	4.0	321.20	1,285	0.00	0	120.00	480
12" Pipe	TN	1	6.0	6.0	240.90	1,445	0.00	0	120.00	720
14" Pipe	TN	1	5.0	5.0	240.90	1,205	0.00	0	120.00	600
Subtotal						5,541		0		2,400
Feedwater System										
Feedwater Piping:										
12" Pipe	TN	1	3.0	3.0	240.90	723	0.00	0	120.00	360
16" Pipe	TN	1	23.0	23.0	240.90	5,541	0.00	0	120.00	2,760
18" Pipe	TN	1	19.0	19.0	240.90	4,577	0.00	0	120.00	2,280
20" Pipe	TN	1	4.0	4.0	240.90	964	0.00	0	120.00	480
28" Pipe	TN	1	11.0	11.0	240.90	2,650	0.00	0	120.00	1,320
Insulation	CY	1	50.0	50.0	73.00	3,650	9.00	450	0.00	0
Subtotal						18,105		450		7,200
High Pressure Heaters, Feedwater System										
High Pressure Heater	TN	4	55.0	220.0	321.20	70,664	0.00	0	120.00	26,400
Subtotal						70,664		0		26,400
Feedwater Pumps & Drives, Feedwater Syste										
Feedwater Pump	TN	1	15.0	15.0	240.90	3,614	0.00	0	120.00	1,800
Turbine Drives	TN	2	55.5	111.0	240.90	26,740	0.00	0	120.00	13,320
Subtotal						30,354		0		15,120
Feedwater Auxiliary System										
Feedwater Minimum Flow Lines - Piping:										
4" Pipe	TN	1	3.0	3.0	321.20	964	0.00	0	120.00	360
6" Pipe	TN	1	11.0	11.0	321.20	3,533	0.00	0	120.00	1,320
Subtotal						4,497		0		1,680
Feedwater System Insulation	CY	1	35.0	35.0	73.00	2,555	9.00	315	0.00	0
Lube Oil System										
Piping - Less than 4"	TN	1	6.0	6.0	321.20	1,927	0.00	0	120.00	720
Pump	TN	2	4.5	9.0	321.20	2,891	0.00	0	120.00	1,080
Filter	TN	2	4.0	8.0	321.20	2,570	0.00	0	120.00	960
Subtotal						7,388		0		2,760
Feedwater Pmp Turb Oil Sys, Lube Oil Systen										
Fdwtr Pump Turb Oil Pipe - Less than 4"	TN	1	1.0	1.0	321.20	321	0.00	0	120.00	120

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Nitrogen System										
Less Than 4" Pipe	TN	1	3.0	3.0	321.20	964	0.00	0	120.00	360
10" Pipe	TN	1	2.0	2.0	240.90	482	0.00	0	120.00	240
Subtotal						1,446		0		600
Total Account 312						11,892,386		353,434		5,026,784
FERC Account 314										
Turbogenerator Units										
Turbine Generator System										
Foundation - Concrete	CY	1	3,435.0	3,435.0	93.60	321,516	87.00	298,845	0.00	0
Subtotal						321,516		298,845		0
Turbine Generator										
Section Casing or Shell	TN	1	815.0	815.0	182.50	148,738	0.00	0	120.00	97,800
Generator Copper	TN	1	127.6	127.6	715.40	91,285	0.00	0	5,000.00	638,000
Turbine System Insulation	CY	1	10.0	10.0	73.00	730	9.00	90	0.00	0
Subtotal						240,753		90		735,800
Turbine Drain System:		1								
Less than 4" Pipe	TN	1	3.0	3.0	321.20	964	0.00	0	120.00	360
Subtotal						964		0		360
Generator Cooling & Purge System										
Generator Purge Piping - less than 4"	TN	1	41.0	41.0	321.20	13,169	0.00	0	120.00	4,920
Subtotal						13,169		0		4,920
Condensing System										
Condenser Casing	TN	1	756.0	756.0	321.20	242,827	0.00	0	120.00	90,720
Subtotal						242,827		0		90,720
Condenser Connections Piping:										
6" Pipe	TN	1	3.0	3.0	321.20	964	0.00	0	120.00	360
8" Pipe	TN	1	4.0	4.0	321.20	1,285	0.00	0	120.00	480
12" Pipe	TN	1	6.0	6.0	240.90	1,445	0.00	0	120.00	720
24" Pipe	TN	1	2.0	2.0	240.90	482	0.00	0	120.00	240
Subtotal						4,176		0		1,800
Vacuum System Piping:										
8" Pipe	TN	1	5.0	5.0	321.20	1,606	0.00	0	120.00	600
10" Pipe	TN	1	7.0	7.0	240.90	1,686	0.00	0	120.00	840
Vacuum System Pump	TN	3	11.7	35.1	240.90	8,456	0.00	0	120.00	4,212
Vacuum System Motor	TN	3	5.2	15.6	240.90	3,758	0.00	0	120.00	1,872
Subtotal						15,506		0		7,524
Cooling Water Pumps & Drives										
Cooling Water Pumps	TN	2	6.5	13.0	240.90	3,132	0.00	0	120.00	1,560
Cooling Water Motors	TN	2	25.7	51.4	240.90	12,382	0.00	0	120.00	6,168
Foundation Concrete C W Pumps & Drives	CY	1	23.0	23.0	93.60	2,153	87.00	2,001	0.00	0
Subtotal						17,667		2,001		7,728

SCHERER DISMANTLEMENT STUDY

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Cooling Tower										
Substructure Concrete - Reinf	CY	1	14,924.3	14,924.3	93.60	1,396,911	87.00	1,298,411	0.00	0
Asbestos in Transite Panels for Fill	CY	1	6,432.1	6,432.1	1,250.00	8,040,175	100.00	643,214		
Concrete	CY	1	6,499.8	6,499.8	37.44	243,353	87.00	565,484	0.00	0
Subtotal						9,680,439		2,507,109		0
Cooling Tower Equipment										
Piping:										
16" Pipe	TN	1	13.0	13.0	240.90	3,132	0.00	0	120.00	1,560
36" Pipe	TN	1	219.0	219.0	240.90	52,757	0.00	0	120.00	26,280
Subtotal						55,889		0		27,840
Lube Oil System:										
Turbine Generator Oil Fltrng Unit	TN	1	40.0	40.0	321.20	12,848	0.00	0	120.00	4,800
Lube Oil Piping - less than 4"	TN	1	2.0	2.0	518.30	1,037	0.00	0	120.00	240
Lube Oil Piping - 4" Pipe	TN	1	6.0	6.0	321.20	1,927	0.00	0	120.00	720
Lube Oil Pump	TN	3	3.3	9.9	321.20	3,180	0.00	0	120.00	1,188
Lube Oil Piping Insulation	CY	1	20.0	20.0	73.00	1,460	9.00	180	0.00	0
Subtotal						20,452		180		6,948
Total Account 314						10,613,358		2,808,225		883,640
FERC Account 315										
Accessory Elec Equip										
Cable										
Power/Control/Lighting Cable	TN	1	297.9	297.9	876.00	260,960	0.00	0	2,100.00	625,590
Raceway Conduit - Aluminum	TN	1	141.5	141.5	518.30	73,339	0.00	0	1,340.00	189,610
Cabletray - Aluminum	TN	1	30.5	30.5	518.30	15,808	0.00	0	1,340.00	40,870
Subtotal						350,107		0		856,070
Bus Eqpmnt & Suppts, Gener Bus Sys										
Bus	TN	1	9.2	9.2	240.90	2,218	0.00	0	120.00	1,104
Subtotal						2,216		0		1,104
A.C. System - 120/208v:										
Distribution Panel	TN	28	1.0	28.0	518.30	14,512	0.00	0	120.00	3,360
Distribution Switchgear	TN	4	2.5	10.0	518.30	5,183	0.00	0	120.00	1,200
Subtotal						19,695		0		4,560
A.C. System - 480v										
Motor Control Center	TN	3	2.5	7.5	321.20	2,409	0.00	0	120.00	900
Panel	TN	1	0.5	0.5	321.20	161	0.00	0	120.00	60
Switchgear	TN	3	10.0	30.0	240.90	7,227	0.00	0	120.00	3,600
Subtotal						9,797		0		4,560
Transformer System										
Transformer - Power/Lighting	TN	20	1.0	20.0	240.90	4,818	0.00	0	120.00	2,400
Copper	TN	1	5.6	5.6	540.20	3,025	0.00	0	5,000.00	28,000
Subtotal						7,843		0		30,400
Distribution System AC System - 277/480v										
Circuit Breaker - AC System 277/480v	TN	1	1.2	1.2	321.20	385	0.00	0	120.00	144
Switchgear - AC System 277/480v	TN	1	3.0	3.0	240.90	723	0.00	0	120.00	360
Subtotal						1,108		0		504

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A.C. System - 4kv:										
Distribution Switchgear										
Transformer - Station Service	TN	2	50.4	100.8	240.90	24,283	0.00	0	120.00	12,096
Transformer Copper	TN	2	35.4	70.8	540.20	38,246	0.00	0	5,000.00	354,000
Transformer - Startup Station Service	TN	1	59.7	59.7	240.90	14,382	0.00	0	120.00	7,164
Transformer Copper	TN	1	41.6	41.6	540.20	22,472	0.00	0	5,000.00	208,000
Subtotal						99,383		0		581,260
A.C. System - 6.9kv:										
Bus Section - Station Service Bus	TN	1	12.5	12.5	876.00	10,950	0.00	0	120.00	1,500
Switchgear Frame	TN	1	100.0	100.0	240.90	24,090	0.00	0	120.00	12,000
Transformer - Startup Station Service	TN	1	39.0	39.0	240.90	9,395	0.00	0	120.00	4,680
Transformer Copper	TN	1	27.0	27.0	540.20	14,585	0.00	0	5,000.00	135,000
Subtotal						59,020		0		153,180
Total Account 315						549,169		0		1,631,638
FERC Account 316										
Misc Plant Equip										
Central Vacuum Cleaning System										
Pump	TN	2	3.5	7.0	321.20	2,248	0.00	0	120.00	840
Less than 4" Pipe	TN	1	5.0	5.0	321.20	1,606	0.00	0	120.00	600
4" Pipe	TN	1	23.0	23.0	321.20	7,388	0.00	0	120.00	2,760
8" Pipe	TN	1	10.0	10.0	321.20	3,212	0.00	0	120.00	1,200
Total Account 316						14,454		0		5,400
TOTAL SCHERER UNIT 4						24,225,437		3,359,953		7,916,882
GRAND TOTAL SCHERER						33,822,271		11,136,144		8,660,945

St. Johns River Plant

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St. Johns River Power Park

The St. Johns River Power Park (SJRPP) Plant is jointly owned by the Jacksonville Electric Authority, 80% ownership share and Florida Power & Light Company, 20% ownership share. The site is located in the northeast section of the City of Jacksonville in Duvall County, Florida. Both Units No. 1 and No. 2 are coal fired units arranged for semi-outdoor operation. A common unloading bay is located between and joins the Unit No. 1 and Unit No. 2 turbine buildings. The control building, a five (5) story common facility, is located between Units No. 1 and 2. The two units have a combined maximum generator nameplate rating of 1,358 megawatts. Units No. 1 and 2 went into commercial operation during 1987 and 1988, respectively. For purposes of this dismantlement study, the estimated retirement dates for these units are as follows:

Unit	Year
Unit 1	2028
Unit 2	2028
Common	2028
Gypsum & Ash Handling Equipment	2028
Coal & Limestone Handling Equipment	2028

The dismantlement of the plants is assumed to require 2 years beginning in 2033.

Two hyperbolic natural draft cooling towers, one for each unit, are located northeast of the Unit No. 2 turbine building. The coal handling system includes a rotary rail car dumper equipped with a static weight scale, a train positioner, a type 410 stainless steel receiving bin, four short belt feeders, a cross conveyor, two series arranged elevating conveyors, a belt scale, and two magnetic separators.

The 20% ownership share noted above has been used to determine Florida Power & Light Company's share of the responsibility for the cost of dismantlement of the St. Johns River Power Park Units.

Florida Power & Light Company last requested and received approval for a change in dismantlement accruals for the St. Johns River Power Park Units (including Common and Gypsum and Fly Ash Handling Facilities) in Docket No. 070378-EI, Order No. PSC-08-0095-PAA-EI issued on February 14, 2008. These rates became effective as of January 1, 2007.

ST. JOHNS RIVER POWER PARK
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Removal Cost at 20%	Disposal Cost (B)	Disposal Cost at 20%	Salvage Value (C)	Salvage Value at 20%	Total (D)=(A + B - C)	FPL's 20% Portion (E)=(D) * .2
	SJRPP Common Plant								
	Production Plant								
311	Improvements to Site	3,170,227	634,045	2,520,441	504,088	627,803	125,561	5,062,865	1,012,573
312	Boiler Plant Equipment	1,727,266	345,453	2,206,941	441,388	49,966	9,993	3,884,241	776,848
315	Accessory Electrical Equipment	933,366	186,673	191,616	38,323	1,849,224	369,845	(724,241)	(144,848)
316	Misc. Power Plant Equipment	41,115	8,223	0	0	20,443	4,089	20,672	4,134
	Subtotal	5,871,974	1,174,395	4,918,998	983,800	2,547,436	509,487	8,243,536	1,648,707
	Other Site Costs:								
	Site Management Expenses	1,129,968	225,994					1,129,968	225,994
	Special Waste	188,700	37,740					188,700	37,740
	Intake & Discharge Backfill	44,128	8,826					44,128	8,826
	Grading & Seeding	24,840,315	4,968,063					24,840,315	4,968,063
	Subtotal	26,203,111	5,240,622	0	0	0	0	26,203,111	5,240,622
	Total	32,075,085	6,415,017	4,918,998	983,800	2,547,436	509,487	34,446,647	6,889,329
	Contingency - 16%	5,132,014	1,026,403	787,040	157,408			5,919,053	1,183,811
	Total SJRPP Common Excluding Unusable M&	37,207,099	7,441,420	5,706,037	1,141,207	2,547,436	509,487	40,365,701	8,073,140
	Unusable M&S Inventory	16,500,000	3,300,000			1,650,000	330,000	14,850,000	2,970,000
	Total SJRPP Common Including Unusable M&:	53,707,099	10,741,420	5,706,037	1,141,207	4,197,436	839,487	55,215,701	11,043,140
	SJRPP Units 1 & 2								
311	Improvements to Site	5,639,163	1,127,833	3,758,003	751,601	934,841	186,968	8,462,326	1,692,465
312	Boiler Plant Equipment	22,006,577	4,401,315	4,048,252	809,650	8,293,810	1,658,762	17,761,019	3,552,204
314	Turbogenerator Units	9,759,172	1,951,834	6,310,813	1,262,163	1,901,466	380,293	14,168,518	2,833,704
315	Accessory Electrical Equipment	4,589,259	917,852	1,465,056	293,011	7,436,134	1,487,227	(1,381,819)	(276,364)
316	Misc. Power Plant Equipment	73,569	14,714	34,560	6,912	15,859	3,172	92,270	18,454
353	Switchyard	0	0	0	0	0	0	0	0
	Subtotal	42,067,740	8,413,548	15,616,684	3,123,337	18,582,111	3,716,422	39,102,314	7,820,463
	Contingency - 16%	6,730,838	1,346,168	2,498,669	499,734			9,229,508	1,845,902
	Total SJRPP Units 1 & 2	48,798,579	9,759,716	18,115,354	3,623,071	18,582,111	3,716,422	48,331,822	9,666,364
	SJRPP Coal and Limestone Handling								
311	Improvements to Site	652,949	130,590	618,054	123,611	28,768	5,754	1,242,235	248,447
312	Boiler Plant Equipment	7,897,514	1,579,503	3,564,546	712,909	2,115,598	423,120	9,346,463	1,869,293
315	Accessory Electrical Equipment	613,800	122,760	2,949	590	369,661	73,932	247,088	49,418
	Subtotal	9,164,263	1,832,853	4,185,549	837,110	2,514,027	502,805	10,835,785	2,167,157
	Contingency - 16%	1,466,282	293,256	669,688	133,938			2,135,970	427,194
	Total SJRPP Coal and Limestone Handling	10,630,546	2,126,109	4,855,237	971,047	2,514,027	502,805	12,971,755	2,594,351
	SJRPP Ash and Gypsum Handling								
312	Boiler Plant Equipment	1,849,204	369,841	1,379,701	275,940	239,183	47,837	2,989,722	597,944
	Contingency - 16%	295,873	59,175	220,752	44,150			516,625	103,325
	Total SJRPP Ash and Gypsum Handling	2,145,077	429,015	1,600,453	320,091	239,183	47,837	3,506,347	701,269
	Total Dismantlement Costs	115,281,300	23,056,260	30,277,080	6,055,416	25,532,756	5,106,551	120,025,625	24,005,125

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FPL's 2009 Dismantlement Study
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ST. JOHNS RIVER POWER PARK
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
SJRPP Common - FPL's Portion	4,464,852	6,276,568	1,141,207	839,487	11,043,140
SJRPP Units 1 & 2	5,855,829	3,903,886	3,623,071	3,716,422	9,666,364
SJRPP Coal & Limestone Handling	1,275,665	850,444	971,047	502,805	2,594,351
SJRPP Gypsum & Ash Handling	257,409	171,606	320,091	47,837	701,269
Total	11,853,756	11,202,504	6,055,416	5,106,551	24,005,125

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

ST JOHNS RIVER POWER PARK DISMANTLEMENT ASSUMPTIONS

FPL and the Jacksonville Electric Authority (JEA) are joint owners of St. Johns River Power Park Units 1 and 2 and related Common Facilities. Contractually each co-owner is responsible for his share of all dismantlement costs.

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The lube oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits;

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins, due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

St Johns River Power Park's railroad spur will be removed. However, line items for removal, disposal and salvage of rail, cross-ties, etc. are not included in this study. Contractors that perform track removal will generally take up the track, dispose of the cross-ties and keep the rails, spikes and other salvageable material as payment.

ST JOHNS RIVER POWER PARK DISMANTLEMENT ASSUMPTIONS (continued)

The coal and limestone yards are lined with impermeable vinyl to prevent any seepage into the ground soil; further, it is assumed that coal and limestone stockpiles will have been consumed virtually in their entirety at the termination of power generation; plant operations personnel will dispose of any coal, limestone, gypsum or ash that may remain.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However the dismantlement cost of the substation equipment is not included in this study so as to avoid duplicating recovery of costs already included in the net salvage factors of the substation plant accounts' depreciation rates.

An expandable grout will be used to dismantle the turbine pedestals. The chimneys and hyperbolic cooling towers will be control-blasted.

It is assumed that dismantlement activity at St. Johns River will begin five years after end of service. The end of service dates used for this assumption conform to the economic recovery period ending dates used in the St. Johns River Power Park depreciation study submitted in March, 2005 using actual and estimated plant and reserve data as of December 31, 2005. This study was accepted as part of the stipulation and settlement agreement that resolved the 2005 rate case and was approved by the Florida Public Service Commission in Docket Number 050188-EI, Order Number PSC-05-0902-S-EI on September 14, 2005. The economic recovery dates used for this assumption are as follows:

Unit	Economic Recovery Date
Common	2028
Unit 1	2028
Unit 2	2028
Coal & Limestone Handling Equipment	2028
Gypsum & Ash Handling Equipment	2028

St. Johns River Power Park Units 1 and 2 and all common facilities are asbestos free.

DISMANTLING ACTIVITIES: COAL FIRED PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove solid and liquid waste from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines. Remove underground piping and backfill all trenches.
- Remove main steam, hot and cold piping, downcomers, valves and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove makeup structure, equipment, pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal, including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Remove fire protection, building heating, compressors, air dryers, control equipment and electrical systems.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestals, foundations, and heavy concrete structures and buildings, stack foundations, equipment foundations, and substructures. Remove to landfill.
- Install environmental monitoring equipment, for example, at wells.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove railroad tracks.
- Test and remove contaminated soil/bases – all areas.

DISMANTLING ACTIVITIES: COAL FIRED PLANTS
(Continued)

- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.
- Remove gas supply metering site, valve stations, underground distribution system.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

ST. JOHNS RIVER POWER PARK DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the St. Johns River Units. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader.
The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$38.73	X	6	=	$232.39
Foreman	$49.17	X	1	=	$49.17
Heavy Equipment Operator	$46.86	X	1	=	$46.86
Total Cost per hour of 8 man crew					$328.43
Cost per man hour		$328.43	/	8 =	$41.05

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					34,370.00
Front End Loader					6,824.90
Cutting Equipment					231.75
Total per month					41,426.65
$41,427	/	176	hours per month =		235.38
Cost per man hour			$235.38	/ 8 =	$29.42
Plus: amount for small tools					1.00
Total Cost per man hour					$30.42

ST. JOHNS RIVER POWER PARK DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$41.05
Equipment	30.42
Total	$71.48
Rounded to nearest dollar	$71.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$76.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$71.00	2.50 MH / Ton	$177.50 / Ton
Heavy Steel (2)	$71.00	3.30 MH / Ton	$234.30 / Ton
General Steel	$71.00	4.40 MH / Ton	$312.40 / Ton
Light Steel	$71.00	7.10 MH / Ton	$504.10 / Ton
Concrete	$76.00	0.48 MH / CY	$36.48 / CY
Reinforced Concrete	$76.00	1.20 MH / CY	$91.20 / CY
Copper-Elect. Cable & Generator Leads	$71.00	12.00 MH / Ton	$852.00 / Ton
Copper - Generator	$71.00	9.80	$695.80 / Ton
Copper - Transformer	$71.00	7.40	$525.40 / Ton
General Insulation	$71.00	1.00 MH / CY	$71.00 / CY
Inground Pipe-Metal(3)	$71.00	6.00 MH / Ton	$426.00 / Ton
Concrete Pipe	$76.00	4.60 MH / Ton	$349.60 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at Southland Waste Systems Landfill near SJRPP. Concrete and non-asbestos insulation are non-hazardous wastes. The tipping fee is $38/ton. The dumpster cost, including driver, is $182.00 per haul for a 20 cubic yard and $201 per haul for a 30 cubic yard dumpster.

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located appropriately in the detailed spreadsheet.

ST. JOHNS RIVER POWER PARK DISMANTLEMENT STUDY

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.4 cubic yards (20 cu. yds./1.3) of in place concrete. 15.4 cubic yards weighs 61,000 pounds or 30.50 tons.

Truck Cost	$182.00	/ haul		1 haul	=	182.00
Tipping Fees	$38.00	/ ton	X	30.5 tons	=	1,159.00
Total Cost per round Trip						$1,341.00
Cost per Cubic Yard	$1,341.00	/ 15.4 cubic yards =				$87.08
Plus 10% contractor profit						8.71
Total Cost per Cubic Yard						$95.79
Rounded Cost per Cubic Yard						$96.00

Insulation - Calcium Silicate (Non-Hazardous)

A trailer with a 30 cubic yard capacity is used for insulation because of its lighter weight. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons.

Truck Cost	$201.00	/ haul	X	1 haul	=	201.00
Tipping Fees	$38.00	/ ton	X	1.82 tons	=	69.16
Total Cost per round Trip						$270.16
Cost per Cubic Yard	$270.16	/ 27 cubic yards =				$10.01
Plus 10% contractor profit						1.00
Total Cost per Cubic Yard						$11.01
Rounded Cost per Cubic Yard						$11.00

ST. JOHNS RIVER POWER PARK DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of $21,134 per month, both office and site and contractor's expenses of $25,948 per month for site indirect costs. These expenses are to be incurred over the 24 month dismantlement period for St. Johns Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractor's expenses include field management, supervision, security and other costs.

Site Management Expenses per month	$47,082
Number of months	24
Total Site Management Expenses	$1,129,968

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. The cost to back-fill the Intake is $44,128; to back-fill the discharge is $35,115. (St. Johns uses cooling towers and thus has no discharge.) The backfill cost has been updated by Construction Estimating as follows:

	Cost/Unit	Quantity	
Intake	$44,128	1	$44,128
Discharge	$35,115	0	$0
			$44,128

ST. JOHNS RIVER POWER PARK DISMANTLEMENT STUDY

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is $63,579 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

St. John's Acreage to be graded and seeded	390.70
Cost Factor	$63,579
Total Grading and Seeding Expense	$24,840,315

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At St Johns River, the following cost estimates have been identified.

Description	Amount
Asbestos	$0
Lead in paint	900
Basins Clean Out/Material	70,000
Special Waste	23,000
Tanks/Washwater	60,000
Soil/Other Contamination	34,800
Total	$188,700

ST. JOHNS RIVER POWER PARK

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
ST. JOHNS SITE COMMON										
FERC Account 311										
Improvements to Site										
Yard Structures										
Roads (asphalt 81,290 sy)	CY	1	4,512.00	4,512.00	36.48	164,598	96.00	433,152	0.00	0
Parking (asphalt 1,945 sy)	CY	1	107.00	107.00	36.48	3,903	96.00	10,272	0.00	0
Yard Lighting Foundations - Reinf Concrete	CY	1	253.00	253.00	91.20	23,074	96.00	24,288	0.00	0
Yard Light Poles (180) - Aluminum	TN	1	45.00	45.00	504.10	22,685	0.00	0	1,340.00	60,300
Railroad Crossover Walkway - Struc Steel	TN	1	12.00	12.00	234.30	2,812	0.00	0	120.00	1,440
RR Crossover Walkway - Handrailing, Platforms	TN	1	2.00	2.00	504.10	1,008	0.00	0	120.00	240
Bulk Gas Storage Foundation - Reinf Conc	CY	1	18.00	18.00	91.20	1,642	96.00	1,728	0.00	0
Bulk Gas Storage - Support Steel & Tanks	TN	1	14.67	14.67	312.40	4,583	0.00	0	120.00	1,760
Bulk Gas Piping, Vlvs Under 4" - Steel	TN	1	9.53	9.53	504.10	4,805	0.00	0	120.00	1,144
Pipe Rack Foundations - Reinforced Concrete	CY	1	525.00	525.00	91.20	47,880	96.00	50,400	0.00	0
Hydrazine Storage Tank - Steel	TN	1	4.19	4.19	312.40	1,310	0.00	0	120.00	503
New Lube Oil Storage Tank - Steel	TN	1	3.57	3.57	312.40	1,115	0.00	0	120.00	428
Used Lube Oil Storage Tank - Steel	TN	1	4.99	4.99	312.40	1,559	0.00	0	120.00	599
Lube Oil Storage Shed Foundation - Reinf Conc	CY	1	20.07	20.07	91.20	1,830	96.00	1,927	0.00	0
Lube Oil Storage Shed - Structural Steel	TN	1	7.00	7.00	234.30	1,640	0.00	0	120.00	840
Lube Oil Storage Shed - Steel Siding	TN	1	1.00	1.00	312.40	312	0.00	0	120.00	120
Sewage Treatment Plant - Steel Plate	TN	1	6.73	6.73	312.40	2,102	0.00	0	120.00	808
Sewage Treatment Plant Fndation - Reinf Conc	CY	1	44.44	44.44	91.20	4,053	96.00	4,266	0.00	0
Subtotal						290,910		526,033		68,182
Waste Water Treatment Area										
Waste Water Treatment Area - Structural Steel	TN	1	21.00	21.00	234.30	4,920	0.00	0	120.00	2,520
WWT Bldg Siding/ Roofing - Steel (11,400 sf)	TN	1	14.25	14.25	312.40	4,452	0.00	0	120.00	1,710
Waste Water Treatment Area - Misc. Steel	TN	1	24.00	24.00	504.10	12,098	0.00	0	120.00	2,880
WWT Area - Tank Walkway Platforms/ Ladders	TN	1	30.00	30.00	504.10	15,123	0.00	0	120.00	3,600
WWT Area/ Bldg Foundations - Reinf Concrete	CY	1	2,754.00	2,754.00	91.20	251,165	96.00	264,384	0.00	0
WWT Bldg Interior Walls - Concrete Block	CY	1	12.59	12.59	36.48	459	96.00	1,209	0.00	0
WWT Building - Flocpress Unit	TN	2	7.60	15.20	312.40	4,748	0.00	0	120.00	1,824
WWT Building - Flocpress Unit Conveyor	TN	1	2.00	2.00	312.40	625	0.00	0	120.00	240
Lime Storage Silo - Steel	TN	1	14.22	14.22	234.30	3,332	0.00	0	120.00	1,706
Lime Handling Equipment - Steel	TN	1	5.00	5.00	312.40	1,562	0.00	0	120.00	600
Reaction Tank/ Agitator - Steel	TN	2	8.92	17.84	312.40	5,573	0.00	0	120.00	2,141
Influent Distrib Structure/ I-beam Supports	TN	1	5.95	5.95	312.40	1,859	0.00	0	120.00	714
Reactor Clarifier Tank/ Agitator - Steel	TN	2	35.80	71.60	234.30	16,776	0.00	0	120.00	8,592
Clarifier Underflow Pump/ Motor	TN	3	1.77	5.30	312.40	1,654	0.00	0	120.00	635
Clarifier Overflow Pump/ Motor	TN	3	1.22	3.66	312.40	1,143	0.00	0	120.00	439
Gravity Filter Tank - Steel	TN	4	10.40	41.60	234.30	9,747	0.00	0	120.00	4,992
Sludge Thickener Tank/ Agitator - Steel	TN	2	18.09	36.18	234.30	8,477	0.00	0	120.00	4,342
Gravity Filter Blower - Steel	TN	2	2.00	4.00	312.40	1,250	0.00	0	120.00	480
Hydropneumatic Tank - Steel	TN	1	3.25	3.25	312.40	1,015	0.00	0	120.00	390
Backwash Waste Pump/ Motor	TN	3	1.47	4.40	312.40	1,376	0.00	0	120.00	528
Thickener Underflow Pump/ Motor	TN	3	1.33	3.99	312.40	1,246	0.00	0	120.00	479
Flocpress Tank/ Pump System (skid-mounted)	TN	2	4.00	8.00	312.40	2,499	0.00	0	120.00	960
Concentrated Sulfuric Acid Strg Tank - Steel	TN	1	7.03	7.03	312.40	2,196	0.00	0	120.00	844
Caustic Storage Tank - Steel	TN	1	5.12	5.12	312.40	1,599	0.00	0	120.00	614
pH Attenuation/ Adjustment Tank - Reinf Conc	CY	1	45.77	45.77	91.20	4,174	96.00	4,394	0.00	0
pH Attenuation/ Adjustment Tank Agitators	TN	1	1.00	1.00	504.10	504	0.00	0	120.00	120
Final Effluent Discharge Pump/ Motor	TN	2	1.22	2.44	312.40	762	0.00	0	120.00	293
Caustic Tank/ Pump System (skid-mounted)	TN	1	2.00	2.00	312.40	625	0.00	0	120.00	240
Acid Tank/ Pump System (skid-mounted)	TN	1	2.00	2.00	312.40	625	0.00	0	120.00	240

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Waste Wtr Pumping Station Fndtns - Reinf Conc	CY	1	772.00	772.00	91.20	70,406	96.00	74,112	0.00	0
Fiberglass-reinforced Piping (FRP)	CY	1	3.43	3.43	36.48	125	96.00	329	0.00	0
Piping, Valves Under 4" - Steel	TN	1	3.06	3.06	504.10	1,543	0.00	0	120.00	367
Subtotal						433,660		344,428		42,491
Yard Fire Protection System										
Motor-driven Firepump 350 hp	TN	1	3.00	3.00	312.40	937	0.00	0	120.00	360
Engine-driven Firepump 400 hp Cummins	TN	1	3.25	3.25	312.40	1,015	0.00	0	120.00	390
Firepump Building Foundation - Reinf Concrete	CY	1	14.88	14.88	91.20	1,357	96.00	1,428	0.00	0
Firepump Bldg Walls & Roof - Reinf Concrete	CY	1	34.93	34.93	91.20	3,186	96.00	3,353	0.00	0
Piping, Valves Over 8" - Steel	TN	1	4.86	4.86	234.30	1,138	0.00	0	120.00	583
Subtotal						7,633		4,782		1,333
Domestic Water System										
Potable Water Pump/ Motor (Peerless)	TN	2	1.00	2.00	312.40	625	0.00	0	120.00	240
Piping, Valves Under 4" - Steel	TN	1	9.23	9.23	504.10	4,655	0.00	0	120.00	1,108
Piping, Valves 4" to 8" - Steel	TN	1	31.53	31.53	312.40	9,849	0.00	0	120.00	3,783
Piping, Valves Over 8" - Steel	TN	1	1.49	1.49	234.30	348	0.00	0	120.00	178
Subtotal						15,477		0		5,310
Water Treatment System Area										
Well Water Pump/ Motor/ Accessories	TN	3	5.00	15.00	312.40	4,686	0.00	0	120.00	1,800
Service Water Pump/ Motor	TN	5	3.22	16.09	312.40	5,026	0.00	0	120.00	1,931
Carbon Filter Tank - Steel	TN	3	7.70	23.10	312.40	7,216	0.00	0	120.00	2,772
Weak Cation Exchange Tank - Steel	TN	2	4.50	9.00	312.40	2,812	0.00	0	120.00	1,080
Strong Cation Exchange Tank - Steel	TN	2	5.18	10.36	312.40	3,236	0.00	0	120.00	1,243
Weak Anion Exchange Tank - Steel	TN	2	4.60	9.20	312.40	2,874	0.00	0	120.00	1,104
Strong Anion Exchange Tank - Steel	TN	2	5.40	10.80	312.40	3,374	0.00	0	120.00	1,296
Mixed Bed Exchange Tank - Steel	TN	2	3.40	6.80	312.40	2,124	0.00	0	120.00	816
Degassifier Storage Tank - Steel	TN	2	4.64	9.27	312.40	2,896	0.00	0	120.00	1,112
Well Water Storage Tank - Steel	TN	2	96.38	192.75	312.40	60,215	0.00	0	120.00	23,130
Well Wtr Storage Tank Foundation - Reinf Conc	CY	1	108.00	216.00	91.20	19,699	96.00	20,736	0.00	0
Waste Water Neutralization Tank - Steel	TN	2	14.27	28.54	234.30	6,686	0.00	0	120.00	3,424
Waste Wtr Neutr Tank Foundation - Reinf Conc	CY	1	57.00	114.00	91.20	10,397	96.00	10,944	0.00	0
Caustic Storage Tank - Steel	TN	1	7.76	7.76	312.40	2,424	0.00	0	120.00	931
Acid Storage Tank - Steel	TN	1	6.71	6.71	312.40	2,095	0.00	0	120.00	805
Dilution Water Heater - Steel	TN	1	9.65	9.65	312.40	3,015	0.00	0	120.00	1,158
Sodium Hypochloride Storage Tank - Steel	TN	1	3.99	3.99	312.40	1,246	0.00	0	120.00	479
Storage Tank - Steel (unmarked)	TN	1	5.00	5.00	312.40	1,562	0.00	0	120.00	600
Well Water Aerator w/ Fans (aluminum)	TN	2	6.25	12.50	312.40	3,905	0.00	0	120.00	1,500
Well Water Aerator Platform - Struc Steel	TN	1	35.00	35.00	234.30	8,201	0.00	0	120.00	4,200
Aerator Platform - Stairs, Railing, Platforms	TN	1	6.75	6.75	504.10	3,403	0.00	0	120.00	810
Aerator Platform Foundation - Reinf Concrete	CY	1	42.00	42.00	91.20	3,830	96.00	4,032	0.00	0
Pipe Supports - Steel	TN	1	15.00	15.00	312.40	4,686	0.00	0	120.00	1,800
Pipe Support Foundations - Reinf Concrete	CY	1	30.00	30.00	91.20	2,736	96.00	2,880	0.00	0
Water Treatment Bldg Foundation - Reinf Conc	CY	1	124.07	124.07	91.20	11,315	96.00	11,911	0.00	0
Water Treatment Bldg Roof - Reinf Concrete	CY	1	92.59	92.59	91.20	8,444	96.00	8,889	0.00	0
Water Treatment Bldg Walls - Concrete Block	CY	1	107.20	107.20	36.48	3,911	96.00	10,291	0.00	0
Water Treatment Building - HVAC	TN	1	1.00	1.00	312.40	312	0.00	0	120.00	120
Water Treatment Control Console (indoor)	TN	1	2.00	2.00	312.40	625	0.00	0	120.00	240
Piping, Valves Under 4" - Steel	TN	1	31.27	31.27	504.10	15,765	0.00	0	120.00	3,753
Piping, Valves 4" to 8" - Steel	TN	1	56.92	56.92	312.40	17,783	0.00	0	120.00	6,831
Piping, Valves Over 8" - Steel	TN	1	101.49	101.49	234.30	23,778	0.00	0	120.00	12,178
Subtotal						250,277		69,683		75,113

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Cooling Tower Make-up Area - JEA Northside Station										
Make-up Structure & Flume - Reinf Concrete	CY	1	1,163.00	1,163.00	91.20	106,066	96.00	111,648	0.00	0
Support Steel	TN	1	15.00	15.00	312.40	4,686	0.00	0	120.00	1,800
Miscellaneous Steel	TN	1	2.50	2.50	504.10	1,260	0.00	0	120.00	300
Make-up Pump/ Motor	TN	3	8.21	24.64	312.40	7,697	0.00	0	120.00	2,957
Rotary Strainer w/ Motor	TN	2	35.00	70.00	234.30	16,401	0.00	0	120.00	8,400
ChlorMaster Control Console	TN	1	1.50	1.50	312.40	469	0.00	0	120.00	180
Chlorine Generator (skid-mounted)	TN	4	2.97	11.88	312.40	3,712	0.00	0	120.00	1,426
Miscellaneous Pumps and Equipment	TN	1	1.50	1.50	504.10	756	0.00	0	120.00	180
FRP Piping - 48" Make-up & 42" Blowdown	CY	1	657.06	657.06	36.48	23,970	96.00	63,078	0.00	0
Subtotal						165,016		174,726		15,242
Cooling Tower Electrical Building										
Foundation - Reinforced Concrete	CY	1	2,829.00	2,829.00	91.20	258,005	96.00	271,584	0.00	0
Roof - Reinforced Concrete	CY	1	11.11	11.11	91.20	1,013	96.00	1,067	0.00	0
Walls - Concrete Block	CY	1	28.59	28.59	36.48	1,043	96.00	2,745	0.00	0
HVAC	TN	1	1.50	1.50	312.40	469	0.00	0	120.00	180
Subtotal						260,530		275,395		180
Cooling Tower Chlorination System										
Foundation - Reinforced Concrete	CY	1	185.00	185.00	91.20	16,872	96.00	17,760	0.00	0
Sulfuric Acid Tank - Steel	TN	1	6.71	6.71	312.40	2,095	0.00	0	120.00	805
Miscellaneous Pumps and Equipment	TN	1	2.00	2.00	504.10	1,008	0.00	0	120.00	240
Subtotal						19,975		17,760		1,045
Station Structure Buildings/ Yard Area Piping										
Structural Steel	TN	1	1,779.00	1,779.00	234.30	416,820	0.00	0	120.00	213,480
Miscellaneous Steel	TN	1	3.00	3.00	504.10	1,512	0.00	0	120.00	360
Grating - Steel (445 sf)	TN	1	2.40	2.40	504.10	1,211	0.00	0	120.00	288
Checkerplate - Steel (139 sf)	TN	1	1.04	1.04	504.10	526	0.00	0	120.00	125
Handrailing - Steel (188 lf)	TN	1	1.00	1.00	504.10	504	0.00	0	120.00	120
Ladders/ Stairs - Steel	TN	1	19.00	19.00	504.10	9,578	0.00	0	120.00	2,280
Footings, Columns & Piers - Reinf Concrete	CY	1	1,007.00	1,007.00	91.20	91,838	96.00	96,672	0.00	0
Grade Floors - Reinforced Concrete	CY	1	2,694.00	2,694.00	91.20	245,693	96.00	258,624	0.00	0
Walls - Concrete Block (180,310 sf)	CY	1	2,982.90	2,982.90	36.48	108,816	96.00	286,358	0.00	0
Floor Slabs - Reinforced Concrete	CY	1	2,672.00	2,672.00	91.20	243,686	96.00	256,512	0.00	0
Misc. Foundations - Reinforced Concrete	CY	1	958.00	958.00	91.20	87,370	96.00	91,968	0.00	0
Steel Siding/ Roofing (36,285 sf)	TN	1	49.89	49.89	312.40	15,586	0.00	0	120.00	5,987
Built-up Roofing (52,500 sf)	CY	1	37.22	37.22	36.48	1,358	96.00	3,573	0.00	0
Steel Roof Decking (5,700 sf)	TN	1	8.55	8.55	504.10	4,310	0.00	0	120.00	1,026
HVAC Ductwork - Steel	TN	1	59.95	59.95	312.40	18,728	0.00	0	120.00	7,194
HVAC Piping - Steel	TN	1	800.00	800.00	234.30	187,440	0.00	0	120.00	96,000
Svc Bldg Cranes & I-beam Supports (total)	TN	1	20.00	20.00	312.40	6,248	0.00	0	120.00	2,400
100-ton Gantry Crane	TN	1	140.00	140.00	234.30	32,802	0.00	0	120.00	16,800
Gantry Crane Rail (135#/yd @ 1,020 lf)	TN	1	22.95	22.95	504.10	11,569	0.00	0	120.00	2,754
AQCS Building Elevator	TN	1	8.20	8.20	234.30	1,921	0.00	0	120.00	984
Copper Tubing	TN	1	1.47	1.47	504.10	742	0.00	0	5,000.00	7,356
Piping, Valves Under 4" - Steel	TN	1	1.62	1.62	504.10	818	0.00	0	120.00	195
Piping, Valves 4" to 8" - Steel	TN	1	3.23	3.23	312.40	1,008	0.00	0	120.00	387
Piping, Valves Under 4" - Cast Iron	TN	1	9.18	9.18	504.10	4,628	0.00	0	120.00	1,102
Piping, Valves 4" to 8" - Cast Iron	TN	1	39.48	39.48	312.40	12,333	0.00	0	120.00	4,737
Piping, Valves Over 8" - Cast Iron	TN	1	4.12	4.12	234.30	965	0.00	0	120.00	494
Piping, Valves - Cast Iron (underground)	TN	1	21.40	21.40	210.00	4,494	0.00	0	120.00	2,568
Oily Waste Piping, Vlvs 4" to 8" - Cast Iron	TN	1	3.26	3.26	312.40	1,019	0.00	0	120.00	391
PVC Piping (above ground)	CY	1	15.60	15.60	36.48	569	96.00	1,498	0.00	0

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PVC Piping (below grade)	CY	1	17.32	17.32	36.48	632	96.00	1,663	0.00	0
Fiberglass-reinforced Piping (FRP)	CY	1	116.82	116.82	36.48	4,261	96.00	11,214	0.00	0
Subtotal						1,518,986		1,008,082		367,029
Warehouse Structures										
Foundations - Reinforced Concrete	CY	1	1,037.00	1,037.00	91.20	94,574	96.00	99,552	0.00	0
Structural Steel	TN	1	280.00	280.00	234.30	65,604	0.00	0	120.00	33,600
Siding/ Roofing - Steel	TN	1	139.32	139.32	312.40	43,524	0.00	0	120.00	16,718
HVAC Equipment & Ducting	TN	1	13.00	13.00	312.40	4,061	0.00	0	120.00	1,560
Subtotal						207,763		99,552		51,878
Total Account 311						3,170,227		2,520,441		627,803
FERC Account 312										
Boiler Plant Service Equipment										
Auxillary Boiler System										
Boiler	TN	2	53.21	106.42	234.30	24,934	0.00	0	120.00	12,770
Economizer	TN	2	7.66	15.33	312.40	4,788	0.00	0	120.00	1,839
Forced Draft Fan/ Motor	TN	2	2.96	5.93	312.40	1,852	0.00	0	120.00	711
Flues, Ductwork & Stack	TN	1	31.61	31.61	312.40	9,875	0.00	0	120.00	3,793
Deaerator & Boiler Feed Pump Package	TN	1	17.75	17.75	312.40	5,545	0.00	0	120.00	2,130
Miscellaneous Steel	TN	1	11.25	11.25	504.10	5,669	0.00	0	120.00	1,349
Piping, Valves 4" to 8" - Steel	TN	1	3.06	3.06	504.10	1,544	0.00	0	120.00	368
Subtotal						54,206		0		22,961
Chimney										
Foundation - Reinforced Concrete	CY	1	6,795.00	6,795.00	91.20	619,704	96.00	652,320	0.00	0
Structure - Reinforced Concrete	CY	1	6,394.00	6,394.00	91.20	583,133	96.00	613,824	0.00	0
Floor Slabs - Reinforced Concrete	CY	1	60.00	60.00	91.20	5,472	96.00	5,760	0.00	0
Brick Liner	CY	2	4,759.40	9,518.80	36.48	347,246	96.00	913,805	0.00	0
Ladders - Steel (625 lf)	TN	1	8.25	8.25	504.10	4,159	0.00	0	120.00	990
Platforms - Steel (3,840 sf)	TN	1	20.74	20.74	504.10	10,453	0.00	0	120.00	2,488
Roof Deck - Steel (2,601 sf)	TN	1	3.90	3.90	504.10	1,967	0.00	0	120.00	468
Subtotal						1,572,133		2,185,709		3,947
Light Oil Service										
Light Oil Storage Tank - Steel	TN	1	73.05	73.05	234.30	17,116	0.00	0	120.00	8,766
Light Oil Storage Tank - Demolition	TN	1	73.00	73.00	n/a	12,500	0.00	0	120.00	8,760
Tank/ Pump Foundations - Reinforced Concrete	CY	1	164.00	164.00	n/a	25,883	96.00	15,744	0.00	0
Soil Remediation	CY	1	n/a	0.00	n/a	10,619	0.00	0	0.00	0
Tank Retainer Wall - Concrete Block	CY	1	57.17	57.17	36.48	2,086	96.00	5,488	0.00	0
Miscellaneous Pumps/ Motors	TN	1	1.50	1.50	504.10	756	0.00	0	120.00	180
Miscellaneous Steel/ Walkways	TN	1	4.00	4.00	504.10	2,016	0.00	0	120.00	480
Piping, Valves Under 4" - Steel	TN	1	22.25	22.25	504.10	11,217	0.00	0	120.00	2,670
Piping, Valves 4" to 8" - Steel	TN	1	18.35	18.35	312.40	5,734	0.00	0	120.00	2,203
Clean Light Oil Strg Tank	EA	1	n/a	n/a	n/a	13,000	0.00	0	0.00	0
Subtotal						100,927		21,232		23,059
Total Account 312						1,727,266		2,206,941		49,966
FERC Account 315										
Accessory Electrical Equipment										
Power Conversion Equipment										
Start-up Transformer Shell, Tank, Fittings	TN	2	33.31	66.62	234.30	15,608	0.00	0	120.00	7,994
Start-up Transformer Copper	TN	1	81.69	81.69	525.40	42,917	0.00	0	5,000.00	408,425

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Start-up Transformer Foundation - Reinf Conc	CY	1	324.00	324.00	91.20	29,549	96.00	31,104	0.00	0
Chem Treatment Area - Station Svc Transformer	TN	2	1.00	2.00	312.40	625	0.00	0	120.00	240
Chemical Treatment Area - Transformer Copper	TN	2	1.22	2.44	525.40	1,282	0.00	0	5,000.00	12,200
480V Power Control Centers (total)	TN	1	31.92	31.92	312.40	9,972	0.00	0	120.00	3,830
480V Motor Control Center	TN	10	2.40	24.00	312.40	7,498	0.00	0	120.00	2,880
Cooling Tower Chlor System - AC/DC Rectifier	TN	2	12.50	25.00	234.30	5,858	0.00	0	120.00	3,000
JEA Northside - Station Service Transformer	TN	2	1.00	2.00	312.40	625	0.00	0	120.00	240
JEA Northside - Transformer Copper	TN	1	2.48	2.48	525.40	1,303	0.00	0	5,000.00	12,400
JEA Northside - AC/DC Rectifier	TN	1	12.50	12.50	234.30	2,929	0.00	0	120.00	1,500
JEA Northside - Gould 480V Switchgear	TN	1	3.00	3.00	312.40	937	0.00	0	120.00	360
Emergency Diesel Generator - Plant	TN	1	69.64	69.64	234.30	16,317	0.00	0	120.00	8,357
Emerg Dsl Gen Fuel Tank Fndation - Reinf Conc	CY	1	17.00	17.00	91.20	1,550	96.00	1,632	0.00	0
Emergency Diesel Generator - FGDS	TN	1	21.80	21.80	234.30	5,107	0.00	0	120.00	2,616
Conduit - Steel	TN	1	122.66	122.66	504.10	61,831	0.00	0	120.00	14,719
Cable Tray - Steel	TN	1	76.47	76.47	504.10	38,546	0.00	0	120.00	9,176
Cable Tray Support Steel	TN	1	26.70	26.70	312.40	8,342	0.00	0	120.00	3,204
Insulated Copper Wiring	TN	1	607.53	607.53	852.00	517,618	0.00	0	2,100.00	1,275,818
Bare Copper Wiring	TN	1	16.45	16.45	852.00	14,018	0.00	0	5,000.00	82,265
Conduit Ductbank - Reinforced Concrete	CY	1	1,655.00	1,655.00	91.20	150,936	96.00	158,880	0.00	0
Total Account 315						933,366		191,616		1,849,224
FERC Account 316										
Miscellaneous Power Plant Equipment										
Personnel Elevator	TN	1	6.36	6.36	312.40	1,987	0.00	0	120.00	763
Freight Elevator	TN	1	9.00	9.00	312.40	2,812	0.00	0	120.00	1,080
Elevator Framing - Steel	TN	1	155.00	155.00	234.30	36,317	0.00	0	120.00	18,600
Total Account 316						41,115		0		20,443
TOTAL SITE COMMON						5,871,974		4,918,998		2,547,436
ST. JOHNS UNITS 1 & 2										
FERC Account 311										
Improvements to Site										
Site - General										
Above Ground Pipe Racks - Structural Steel	TN	1	1,405.00	1,405.00	234.30	329,192	0.00	0	120.00	168,600
Above Ground Pipe Rack Fndtions - Reinf Conc	CY	1	4,196.00	4,196.00	91.20	382,675	96.00	402,816	0.00	0
Pipe Sleepers - Structural Steel	TN	1	30.00	30.00	234.30	7,029	0.00	0	120.00	3,600
Pipe Sleeper Foundations - Reinf Concrete	CY	1	461.00	461.00	91.20	42,043	96.00	44,256	0.00	0
Subtotal						760,939		447,072		172,200
Station Structures										
Turbine Gen Bldg Columns, Footings, Piers	CY	1	7,216.00	7,216.00	91.20	658,099	96.00	692,736	0.00	0
Turbine Gen Bldg Foundation Wall & Trench	CY	1	100.00	100.00	91.20	9,120	96.00	9,600	0.00	0
Turbine Gen Bldg Misc Fndations - Reinf Conc	CY	1	726.00	726.00	91.20	66,211	96.00	69,696	0.00	0
Turbine Gen Bldg Grade Floor - Reinf Concrete	CY	1	1,934.00	1,934.00	91.20	176,381	96.00	185,664	0.00	0
Turbine Gen Bldg Floor Slabs - Reinf Concrete	CY	1	2,567.00	2,567.00	91.20	234,110	96.00	246,432	0.00	0
Turbine Generator Bldg - Structural Steel	TN	1	3,926.00	3,926.00	234.30	919,862	0.00	0	120.00	471,120
Turbine Gen Bldg - Deck Grating (25,070 sf)	TN	1	135.38	135.38	504.10	68,244	0.00	0	120.00	16,245
Turbine Gen Bldg - Handrails (1,960 lf)	TN	1	9.80	9.80	504.10	4,940	0.00	0	120.00	1,176
Turbine Generator Bldg - Ladders & Stairs	TN	1	110.00	110.00	504.10	55,451	0.00	0	120.00	13,200
Turbine Gen Bldg - Checkerplate (63,502 sf)	TN	1	476.27	476.27	504.10	240,085	0.00	0	120.00	57,152
Turbine Gen Bldg - Concrete Block (27,144 sf)	CY	1	449.00	449.00	36.48	16,380	96.00	43,104	0.00	0
T-G Bldg - Steel Siding (167,687 sf)	TN	1	209.61	209.61	312.40	65,482	0.00	0	120.00	25,153
T-G Bldg - Built-up Roofing (63,700 sf)	CY	1	45.15	45.15	36.48	1,647	96.00	4,335	0.00	0
Turbine Generator Building - HVAC Ductwork	TN	1	93.01	93.01	312.40	29,056	0.00	0	120.00	11,161

ST. JOHNS RIVER POWER PARK

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Turbine Generator Building - HVAC Piping	TN	1	60.00	60.00	312.40	18,744	0.00	0	120.00	7,200
Blr Area Columns,Footings,Piers - Reinf Conc	CY	1	1,111.00	1,111.00	91.20	101,323	96.00	106,656	0.00	0
Boiler Area Foundations - Reinforced Concrete	CY	1	15,492.00	15,492.00	91.20	1,412,870	96.00	1,487,232	0.00	0
Boiler Area Fndtn Wall & Trench - Reinf Conc	CY	1	51.00	51.00	91.20	4,651	96.00	4,896	0.00	0
Boiler Area Misc. Foundations - Reinf Conc	CY	1	711.00	711.00	91.20	64,843	96.00	68,256	0.00	0
Boiler Area Ash Hopper Fndation -Reinf Conc	CY	1	540.00	540.00	91.20	49,248	96.00	51,840	0.00	0
Boiler Area Grade Floor - Reinforced Concrete	CY	1	1,311.00	1,311.00	91.20	119,563	96.00	125,856	0.00	0
Boiler Area Suspended Floor - Reinf Concrete	CY	1	752.00	752.00	91.20	68,582	96.00	72,192	0.00	0
Boiler Area Column Encasement - Reinf Conc	CY	1	350.00	350.00	91.20	31,920	96.00	33,600	0.00	0
Boiler Area Walls - Concrete Block(18,290 sf)	CY	1	302.58	302.58	36.48	11,038	96.00	29,048	0.00	0
Boiler Area - Steel Siding (98,790 sf)	TN	1	123.49	123.49	312.40	38,577	0.00	0	120.00	14,819
Boiler Area - Built-up Roofing (40,190 sf)	CY	1	28.49	28.49	36.48	1,039	96.00	2,735	0.00	0
Boiler Area - Roof Plating (37,400 sf)	TN	1	56.10	56.10	504.10	28,280	0.00	0	120.00	6,732
Boiler Area - HVAC Ductwork	TN	1	208.95	208.95	312.40	65,276	0.00	0	120.00	25,074
Boiler Area - Deck Grating (700 sf)	TN	1	3.78	3.78	504.10	1,905	0.00	0	120.00	454
Boiler Area - Checkerplate (450 sf)	TN	1	3.38	3.38	504.10	1,701	0.00	0	120.00	405
Boiler Area - Miscellaneous Steel	TN	1	60.00	60.00	504.10	30,246	0.00	0	120.00	7,200
Heater Bay - Structural Steel	TN	1	650.00	650.00	234.30	152,295	0.00	0	120.00	78,000
FD/ID Fan Building Foundations - Reinf Conc	CY	1	279.16	279.16	91.20	25,459	96.00	26,799	0.00	0
FD/ID Fan Buildings Roofs - Reinf Concrete	CY	1	279.16	279.16	91.20	25,459	96.00	26,799	0.00	0
FD/ID Fan Bldgs - Concrete Block Walls	CY	1	242.30	242.30	36.48	8,839	96.00	23,261	0.00	0
FD/ID Fan Bldgs - Structural Steel	TN	1	30.00	30.00	234.30	7,029	0.00	0	120.00	3,600
FD/ID Fan Bldgs - Ladders/ Guardrailing	TN	1	4.00	4.00	504.10	2,016	0.00	0	120.00	480
FD/ID Fan Bldgs - HVAC & Ducting	TN	1	31.70	31.70	312.40	9,903	0.00	0	120.00	3,804
Fiberglass-reinforced Piping (FRP)	TN	1	2.03	2.03	91.20	185	96.00	194	0.00	0
Piping, Valves Under 4" - Steel	TN	1	4.12	4.12	504.10	2,079	0.00	0	120.00	495
Piping, Valves 4" to 8" - Steel	TN	1	9.61	9.61	312.40	3,001	0.00	0	120.00	1,153
Piping, Valves Under 4" - Cast Iron	TN	1	17.19	17.19	504.10	8,665	0.00	0	120.00	2,063
Piping, Valves 4" to 8"- Cast Iron	TN	1	74.01	74.01	312.40	23,122	0.00	0	120.00	8,882
Piping, Valves Over 8" - Cast Iron	TN	1	51.23	51.23	234.30	12,003	0.00	0	120.00	6,148
Piping (underground) - Cast Iron	TN	1	7.72	7.72	426.00	3,290	0.00	0	120.00	927
Subtotal						4,878,224		3,310,931		762,641
Total Account 311						5,639,163		3,758,003		934,841
FERC Account 312										
Boiler Plant Service Equipment										
Boiler Plant Equipment										
Boiler Structural Steel	TN	1	7,414.00	7,414.00	234.30	1,737,100	0.00	0	120.00	889,680
Boiler Top Steel	TN	1	3,300.00	3,300.00	234.30	773,190	0.00	0	120.00	396,000
Grating, Checkerplate, Handrailing	TN	1	836.00	836.00	504.10	421,428	0.00	0	120.00	100,320
Buckstays	TN	1	917.10	917.10	504.10	462,310	0.00	0	120.00	110,052
Flues & Ducts	TN	1	1,809.08	1,809.08	312.40	565,157	0.00	0	120.00	217,090
APH Support Steel	TN	1	1,094.00	1,094.00	312.40	341,766	0.00	0	120.00	131,280
Coal Conduit - Steel	TN	1	1,008.00	1,008.00	312.40	314,899	0.00	0	120.00	120,960
Steam Generation Unit - including:										
Steam Drum (Drum, Internals, Supports)	TN	2	443.55	887.10	234.30	207,848	0.00	0	120.00	106,452
Burner Area	TN	1	879.00	879.00	234.30	205,950	0.00	0	120.00	105,480
Penthouse Area	TN	1	434.00	434.00	234.30	101,686	0.00	0	120.00	52,080
Heat Recovery Area	TN	1	2,935.00	2,935.00	234.30	687,671	0.00	0	120.00	352,200
Hopper Area	TN	1	1,921.00	1,921.00	234.30	450,090	0.00	0	120.00	230,520
Water Walls/ Headers	TN	1	2,056.00	2,056.00	234.30	481,721	0.00	0	120.00	246,720
Downcomers	TN	1	858.00	858.00	234.30	201,029	0.00	0	120.00	102,960
Air Preheater/ Steam Coil Heater	TN	2	1,455.00	2,910.00	234.30	681,813	0.00	0	120.00	349,200
Superheater	TN	2	294.00	588.00	234.30	137,768	0.00	0	120.00	70,560

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Reheater	TN	2	1,102.50	2,205.00	234.30	516,632	0.00	0	120.00	264,600
Economizer	TN	2	492.20	984.40	234.30	230,645	0.00	0	120.00	118,128
Dampers	TN	1	440.54	440.54	234.30	103,219	0.00	0	120.00	52,865
Speed Reducers	TN	1	295.00	295.00	312.40	92,158	0.00	0	120.00	35,400
Steam Sampling System	TN	2	1.50	3.00	312.40	937	0.00	0	120.00	360
Blr Setting Insulation	CY	1	8,148.00	8,148.00	71.00	578,508	11.00	89,628	0.00	0
Soot Blower	TN	116	1.88	217.50	312.40	67,947	0.00	0	120.00	26,100
Soot Blower Supports	TN	1	40.00	40.00	312.40	12,496	0.00	0	120.00	4,800
Safety/ Relief Valves & Silencers	TN	1	21.00	21.00	312.40	6,560	0.00	0	120.00	2,520
Instrument Air Compressor/ Coolers	TN	4	11.15	44.60	234.30	10,450	0.00	0	120.00	5,352
Instrument Air Compressor Motor	TN	4	6.16	24.64	312.40	7,696	0.00	0	120.00	2,956
Instrument Air Dryer	TN	2	1.65	3.30	312.40	1,031	0.00	0	120.00	396
Instrument Air Receiver	TN	2	3.85	7.70	312.40	2,405	0.00	0	120.00	924
Instrument Air Piping, Vlvs Under 4" - Steel	TN	1	154.41	154.41	504.10	77,837	0.00	0	120.00	18,529
Instrument Air Piping, Vlvs 4" to 8" - Steel	TN	1	5.82	5.82	312.40	1,819	0.00	0	120.00	699
Instrument Air Piping, Valves Over 8" - Steel	TN	1	2.98	2.98	234.30	699	0.00	0	120.00	358
Instr Air Compressor Foundations - Reinf Conc	CY	1	360.00	360.00	91.20	32,832	96.00	34,560	0.00	0
F/D & Primary Air Fans, Blowers & Accessories	TN	2	452.50	905.00	234.30	212,042	0.00	0	120.00	108,600
Forced Draft/ Prmry Air Fan Fndtns - Rnf Conc	CY	1	1,772.00	1,772.00	91.20	161,606	96.00	170,112	0.00	0
HVAC Ductwork	TN	1	165.60	165.60	312.40	51,733	0.00	0	120.00	19,872
Subtotal						9,940,677		294,300		4,244,012
Boiler Plant Auxillaries										
Feed Water System										
#1 Feedwater Heater - HP	TN	2	139.25	278.50	234.30	65,253	0.00	0	120.00	33,420
#2 Feedwater Heater - HP	TN	2	133.40	266.80	234.30	62,511	0.00	0	120.00	32,016
#3 Feedwater Heater - IP	TN	2	39.35	78.70	234.30	18,439	0.00	0	120.00	9,444
#4 Feedwater Deaerator Heater	TN	2	85.12	170.24	234.30	39,888	0.00	0	120.00	20,429
#5 Feedwater Heater - LP	TN	2	21.30	42.60	234.30	9,981	0.00	0	120.00	5,112
#6 Feedwater Heater - LP	TN	2	28.70	57.40	234.30	13,449	0.00	0	120.00	6,888
#7 Feedwater Heater A&B - LP	TN	2	41.70	83.40	234.30	19,541	0.00	0	120.00	10,008
#8 Feedwater Heater A&B - LP	TN	2	26.00	52.00	234.30	12,184	0.00	0	120.00	6,240
Boiler Feed Pump/ Baseplate	TN	4	21.50	86.00	234.30	20,150	0.00	0	120.00	10,320
Boiler Feed Pump Turbine	TN	4	53.50	214.00	234.30	50,140	0.00	0	120.00	25,680
Turbine Control Console	TN	4	2.25	9.00	312.40	2,812	0.00	0	120.00	1,080
Turbine L/O System Tank, HP Vlv, Cooler, etc.	TN	4	8.09	32.34	312.40	10,103	0.00	0	120.00	3,881
Turbine LP Stop Valve	TN	4	7.70	30.80	312.40	9,622	0.00	0	120.00	3,696
Boiler Feed Pump/ Trbn Pedestal - Reinf Conc	CY	1	1,706.00	1,706.00	91.20	155,587	96.00	163,776	0.00	0
Boiler Feed Booster Pump/ Speed Changer	TN	4	5.45	21.80	312.40	6,810	0.00	0	120.00	2,616
Heater Drain Pump	TN	2	6.89	13.78	312.40	4,304	0.00	0	120.00	1,653
Heater Drain Pump Motor	TN	2	2.50	4.99	312.40	1,559	0.00	0	120.00	599
LP Heater Drain Tank - Steel	TN	2	6.66	13.32	312.40	4,161	0.00	0	120.00	1,598
Steam Coil Air Heater Drain Tank	TN	2	1.80	3.60	312.40	1,125	0.00	0	120.00	432
Boiler Cold Fill Pump w/ Motor	TN	2	3.06	6.13	312.40	1,913	0.00	0	120.00	735
Condensate Storage Tank - Steel	TN	2	81.60	163.20	234.30	38,238	0.00	0	120.00	19,584
Condensate Strg Tank Foundation - Reinf Conc	CY	1	216.00	216.00	91.20	19,699	96.00	20,736	0.00	0
Steam & Water Sample Analysis Cabinet - Steel	TN	2	3.40	6.80	312.40	2,124	0.00	0	120.00	816
Steam & Wtr Sample Analysis Monitoring Board	TN	2	1.90	3.80	312.40	1,187	0.00	0	120.00	456
Hydrazine System - tanks, pumps, skid (steel)	TN	2	2.50	5.00	312.40	1,562	0.00	0	120.00	600
Ammonia System - tanks, pumps, skid (steel)	TN	2	2.50	5.00	312.40	1,562	0.00	0	120.00	600
Phosphate System - tanks, pumps, skid (steel)	TN	2	2.75	5.50	312.40	1,718	0.00	0	120.00	660
Ammonium Hydroxide Storage Tank - Steel	TN	2	2.75	5.50	312.40	1,718	0.00	0	120.00	660
Piping, Vlvs Under 4" - Steel	TN	1	10.92	10.92	504.10	5,507	0.00	0	120.00	1,311
Piping, Vlvs 4" to 8" - Steel	TN	1	47.75	47.75	312.40	14,917	0.00	0	120.00	5,730
Piping, Vlvs Over 8" - Steel	TN	1	246.54	246.54	234.30	57,765	0.00	0	120.00	29,585

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System Insulation	CY	1	91.39	91.39	71.00	6,489	11.00	1,005	0.00	0
Subtotal						662,018		185,517		235,849
Boiler Plant Piping - All Systems										
Piping, Vlvs Under 4" - Steel	TN	1	115.82	115.82	504.10	58,383	0.00	0	120.00	13,898
Piping, Vlvs 4" to 8" - Steel	TN	1	159.23	159.23	312.40	49,745	0.00	0	120.00	19,108
Piping, Vlvs Over 8" - Steel	TN	1	1,047.09	1,047.09	234.30	245,333	0.00	0	120.00	125,651
System Insulation	CY	1	103.94	103.94	71.00	7,380	11.00	1,143	0.00	0
Subtotal						360,840		1,143		158,657
Induced Draft Equipment										
Induced Draft Fan/ Hydraulic Coupling	TN	8	82.15	657.20	234.30	153,982	0.00	0	120.00	78,864
Induced Draft Fan Motor	TN	8	15.00	120.00	234.30	28,116	0.00	0	120.00	14,400
Induced Draft Fan Lube Oil Supply Unit	TN	8	1.15	9.20	312.40	2,874	0.00	0	120.00	1,104
ID Fan/ Motor Foundations - Reinf Concrete	CY	1	4,285.00	4,285.00	91.20	390,792	96.00	411,360	0.00	0
System Insulation	CY	1	135.60	135.60	71.00	9,628	11.00	1,492	0.00	0
Subtotal						585,392		412,852		94,368
Electrostatic Precipitator										
Precipitator Foundations - Reinf Conc	CY	1	9,621.00	9,621.00	91.20	877,435	96.00	923,616	0.00	0
Assembled Precipitator - Steel	TN	2	5,581.30	11,162.60	234.30	2,615,397	0.00	0	120.00	1,339,512
Precipitator Support Steel	TN	1	1,002.50	1,002.50	234.30	234,886	0.00	0	120.00	120,300
Ductwork - Steel	TN	1	1,666.00	1,666.00	234.30	390,344	0.00	0	120.00	199,920
Ductwork Support Steel	TN	1	625.60	625.60	312.40	195,437	0.00	0	120.00	75,072
Platforms, Stairs & Walkways - Steel	TN	1	391.60	391.60	504.10	197,406	0.00	0	120.00	46,992
Platforms, Stairs & Walkways Support Steel	TN	1	167.80	167.80	312.40	52,421	0.00	0	120.00	20,136
Subtotal						4,563,326		923,616		1,801,932
Flue Gas Desulfurization System (FGDS)										
FDGS Foundations - Reinforced Concrete	CY	1	16,004.00	16,004.00	91.20	1,459,565	96.00	1,536,384	0.00	0
Absorber Tower - Steel	TN	8	314.67	1,888.00	234.30	442,358	0.00	0	120.00	226,560
Absorber Tower Agitator/ Motor	TN	30	1.50	44.91	312.40	14,030	0.00	0	120.00	5,389
Absorber Tower Damper	TN	14	20.00	280.00	234.30	65,604	0.00	0	120.00	33,600
Absorber Feed Tank	TN	6	91.83	551.00	234.30	129,099	0.00	0	120.00	66,120
Absorber Feed Pump/ Motor	TN	24	13.30	319.20	234.30	74,789	0.00	0	120.00	38,304
Absorber Feed Tank Agitator/ Motor	TN	6	7.37	44.23	312.40	13,817	0.00	0	120.00	5,307
Absorber Feed Hydroclones	TN	1	5.70	5.70	504.10	2,873	0.00	0	120.00	684
Quencher Hydroclones	TN	1	9.60	9.60	504.10	4,839	0.00	0	120.00	1,152
Quencher Hydroclone Pump/ Motor	TN	12	12.40	148.80	234.30	34,864	0.00	0	120.00	17,856
Well Water Tank	TN	2	19.00	38.00	234.30	8,903	0.00	0	120.00	4,560
Well Water Deluge Pump/ Motor	TN	6	2.05	12.32	312.40	3,847	0.00	0	120.00	1,478
Waste Slurry Storage Tank	TN	2	77.50	155.00	234.30	36,317	0.00	0	120.00	18,600
Waste Slurry Tank Agitator/ Motor	TN	4	4.35	17.40	312.40	5,436	0.00	0	120.00	2,088
Oxidation Air Compressor/ Motor	TN	5	14.97	74.86	234.30	17,540	0.00	0	120.00	8,984
Waste Transfer Tank	TN	6	4.50	27.00	312.40	8,435	0.00	0	120.00	3,240
Waste Transfer Pump/ Motor & Agitator/ Motor	TN	6	1.28	7.66	312.40	2,392	0.00	0	120.00	919
Flues	TN	1	1,652.00	1,652.00	234.30	387,064	0.00	0	120.00	198,240
Reheater System Support Steel	TN	1	1,254.00	1,254.00	234.30	293,812	0.00	0	120.00	150,480
Reheater	TN	2	28.33	56.66	234.30	13,276	0.00	0	120.00	6,799
Reheater Fan	TN	4	27.85	111.40	234.30	26,101	0.00	0	120.00	13,368
Reheater Fan Motor - 350 hp	TN	4	3.85	15.40	312.40	4,811	0.00	0	120.00	1,848
Reheater Accessories	TN	1	655.00	655.00	234.30	153,467	0.00	0	120.00	78,600
Reheater Outlet Damper	TN	2	6.25	12.50	312.40	3,905	0.00	0	120.00	1,500
Expansion Joints	TN	1	20.86	20.86	312.40	6,517	0.00	0	120.00	2,503
Pipe Racks & Cable Trays Support Steel	TN	1	289.00	289.00	312.40	90,284	0.00	0	120.00	34,680

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
FGDS Control Board - Steel	TN	2	1.75	3.50	312.40	1,093	0.00	0	120.00	420
FGDS Waste Disposal Control Console - Steel	TN	2	1.00	2.00	312.40	625	0.00	0	120.00	240
Stack Emission Monitoring Cabinet - Steel	TN	2	1.00	2.00	312.40	625	0.00	0	120.00	240
Fiberglass-reinforced Piping	TN	1	23.36	23.36	504.10	11,776	0.00	0	120.00	2,803
Piping, Vlvs Under 4" - Steel	TN	1	27.88	27.88	504.10	14,053	0.00	0	120.00	3,345
Piping, Vlvs 4"-8" - Steel	TN	1	64.21	64.21	312.40	20,060	0.00	0	120.00	7,705
Piping, Vlvs Over 8" - Steel	TN	1	330.31	330.31	234.30	77,392	0.00	0	120.00	39,638
Subtotal						3,429,567		1,536,384		977,251
Ash Handling Area										
Foundations - Reinforced Concrete	CY	1	3,999.00	3,999.00	91.20	364,709	96.00	383,904	0.00	0
Structural Steel	TN	1	100.00	100.00	234.30	23,430	0.00	0	120.00	12,000
Space Heater Control Panel/Fan Isolator Panel	TN	2	3.86	7.72	312.40	2,412	0.00	0	120.00	926
Forced Draft Fan Control Panel	TN	6	3.48	20.85	312.40	6,514	0.00	0	120.00	2,502
Induced Draft Fan Control Panel	TN	16	4.45	71.14	312.40	22,223	0.00	0	120.00	8,536
Bottom Ash Control Board	TN	2	5.00	10.00	312.40	3,124	0.00	0	120.00	1,200
Fly Ash Control Board/ Pedestal	TN	2	2.13	4.25	312.40	1,328	0.00	0	120.00	510
Fly Ash Master Logic Cabinet/ Pedestal	TN	2	4.00	8.00	312.40	2,499	0.00	0	120.00	960
Fly Ash Handling System 1A/2A Logic Cabinet	TN	2	1.75	3.50	312.40	1,093	0.00	0	120.00	420
Fly Ash Handling System 1B/2B Logic Cabinet	TN	2	1.75	3.50	312.40	1,093	0.00	0	120.00	420
Fly Ash Handling System 1C/2C Logic Cabinet	TN	2	1.50	3.00	312.40	937	0.00	0	120.00	360
Mill Reject Tanks - Steel (total)	TN	1	73.21	73.21	234.30	17,152	0.00	0	120.00	8,785
Ash Hoppers - Steel (total)	TN	1	206.24	206.24	234.30	48,322	0.00	0	120.00	24,749
Adaptor/ Slide Plates - Steel	TN	1	7.30	7.30	504.10	3,677	0.00	0	120.00	875
Nonsaleable Ash Conveyor Blower/ Motor	TN	4	1.87	7.46	312.40	2,331	0.00	0	120.00	895
Nonsaleable Ash Fluidizing Blower/ Motor	TN	4	3.41	13.63	312.40	4,259	0.00	0	120.00	1,636
Fly Ash Precipitator Fluidizing Blower/ Motor	TN	4	2.98	11.90	312.40	3,718	0.00	0	120.00	1,428
Fly Ash Precipitator Conveyor Blower/ Motor	TN	6	8.93	53.55	312.40	16,729	0.00	0	120.00	6,426
Silo Conveying Blower/ Motor	TN	6	1.87	11.19	312.40	3,496	0.00	0	120.00	1,343
Bottom Ash Slurry Pump/ Motor	TN	4	6.06	24.25	312.40	7,576	0.00	0	120.00	2,910
Bottom Ash Collection Conveyor	TN	2	8.33	16.67	312.40	5,207	0.00	0	120.00	2,000
Pyrites Collection Conveyor	TN	2	8.33	16.67	312.40	5,207	0.00	0	120.00	2,000
Clinker Grinder	TN	8	3.54	28.36	312.40	8,858	0.00	0	120.00	3,403
Flanged Tees - Steel	TN	1	34.64	34.64	504.10	17,460	0.00	0	120.00	4,156
Idlers - Steel	TN	1	6.03	6.03	504.10	3,037	0.00	0	120.00	723
Air Lock Assembly - Steel	TN	178	1.00	178.00	312.40	55,607	0.00	0	120.00	21,360
Exhaust Silencers - Steel	TN	1	8.70	8.70	504.10	4,383	0.00	0	120.00	1,043
Refractory	CY	1	194.43	194.43	36.48	7,093	96.00	18,665	0.00	0
Bottom Ash Area Sump Pump/ Motor	TN	6	2.29	13.74	312.40	4,292	0.00	0	120.00	1,649
Economizer Hopper Pressurized Ash Fdr (total)	TN	1	10.20	10.20	312.40	3,186	0.00	0	120.00	1,224
Air Preheater Hopper Press Ash Feeder (total)	TN	1	13.60	13.60	312.40	4,249	0.00	0	120.00	1,632
Precip Hopper Pressurized Ash Feeder (total)	TN	1	151.20	151.20	312.40	47,235	0.00	0	120.00	18,144
Precip Ash Strg Silo Pressurized Ash Feeder	TN	16	1.20	19.20	312.40	5,998	0.00	0	120.00	2,304
Nonsaleable Ash Strg Silo Pressurized Ash Fdr	TN	8	1.20	9.60	312.40	2,999	0.00	0	120.00	1,152
Stairs, Ladders, Handrailing, Walkways	TN	1	79.21	79.21	504.10	39,930	0.00	0	120.00	9,505
Piping, Vlvs 4" to 8" - Steel	TN	1	791.72	791.72	312.40	247,334	0.00	0	120.00	95,007
Piping, Vlvs Over 8" - Steel	TN	1	639.05	639.05	234.30	149,729	0.00	0	120.00	76,686
Subtotal						1,148,426		402,569		318,870
Coal Silo Bays										
Structural Steel	TN	1	3,281.00	3,281.00	234.30	768,738	0.00	0	120.00	393,720
Deck Grating - Steel (2,885 sf)	TN	1	15.58	15.58	504.10	7,853	0.00	0	120.00	1,869
Handrailing - Steel (2,190 lf)	TN	1	10.95	10.95	504.10	5,520	0.00	0	120.00	1,314
Ladders/ Stairs - Steel	TN	1	74.00	74.00	504.10	37,303	0.00	0	120.00	8,880
Grade Floor - Reinforced Concrete	CY	1	257.00	257.00	91.20	23,438	96.00	24,672	0.00	0

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Floor Slab - Reinforced Concrete	CY	1	545.00	545.00	91.20	49,704	96.00	52,320	0.00	0
Steel Siding (32,466 sf)	TN	1	40.58	40.58	312.40	12,678	0.00	0	120.00	4,870
Built-up Roofing (19,100 sf)	CY	1	26.74	26.74	36.48	975	96.00	2,567	0.00	0
Roof Plating (18,620 sf)	TN	1	27.93	27.93	504.10	14,080	0.00	0	120.00	3,352
Walls - Conc Block (700 sf)	CY	1	11.58	11.58	36.48	422	96.00	1,112	0.00	0
HVAC Ductwork - Steel	TN	1	53.74	53.74	312.40	16,788	0.00	0	120.00	6,449
Silo Bay Misc. Foundations - Reinf Conc	CY	1	2,200.00	2,200.00	91.20	200,640	96.00	211,200	0.00	0
Subtotal						1,138,141		291,871		420,454
Miscellaneous Equipment & Steel	TN	1	353.48	353.48	504.10	178,189	0.00	0	120.00	42,418
Total Account 312						22,006,577		4,048,252		8,293,810
FERC Account 314										
Turbogenerator Unit										
Turbogenerator Equipment										
Turbine Pedestal - Reinforced Concrete	CY	1	6,252.00	6,252.00	91.20	570,182	96.00	600,192	0.00	0
Turbine Generator	TN	2	487.77	975.55	177.50	173,160	0.00	0	120.00	117,066
Exciter	TN	2	28.36	56.72	234.30	13,289	0.00	0	120.00	6,806
Generator Copper	TN	1	41.63	41.63	695.80	28,968	0.00	0	5,000.00	208,160
Main Lube Oil Cooler	TN	4	5.00	20.00	312.40	6,248	0.00	0	120.00	2,400
Lube Oil Conditioning System - Steel	TN	2	4.50	9.00	312.40	2,812	0.00	0	120.00	1,080
Lube Oil Batch Tank - Steel	TN	2	4.12	8.24	312.40	2,574	0.00	0	120.00	989
Piping, Vlvs Under 4" - Steel	TN	1	12.68	12.68	504.10	6,392	0.00	0	120.00	1,522
Piping, Vlvs 4" to 8" - Steel	TN	1	12.39	12.39	312.40	3,869	0.00	0	120.00	1,486
Piping, Vlvs Over 8" - Steel	TN	1	9.02	9.02	234.30	2,114	0.00	0	120.00	1,083
System Insulation	CY	1	14.33	14.33	71.00	1,017	11.00	158	0.00	0
Subtotal						810,625		600,350		340,591
Condenser										
Condenser Shell - Steel	TN	2	506.70	1,013.40	312.40	316,586	0.00	0	120.00	121,608
Condenser Tubes - Titanium	TN	1	324.40	324.40	504.10	163,530	0.00	0	4,000.00	1,297,600
Subtotal						480,116		0		1,419,208
Circulating Water System										
Circ Water Pump/ Baseplate	TN	4	15.22	60.88	234.30	14,264	0.00	0	120.00	7,306
Circ Water Pump Motor	TN	4	15.50	62.00	234.30	14,527	0.00	0	120.00	7,440
Circ Water Booster Pump/ Motor	TN	4	3.90	15.60	312.40	4,873	0.00	0	120.00	1,872
Circ Water Piping/ Elbows - 108" Concrete	TN	1	7,684.31	7,684.31	349.60	2,686,435	0.00	0	0.00	0
Piping, Vlvs 4"-8" - Steel	TN	1	3.58	3.58	312.40	1,120	0.00	0	120.00	430
Piping, Vlvs Over 8" - Steel	TN	1	51.24	51.24	234.30	12,005	0.00	0	120.00	6,149
Subtotal						2,733,224		0		23,196
Auxiliary Equipment										
Condensate Pump	TN	6	15.00	89.98	234.30	21,083	0.00	0	120.00	10,798
Condensate Pump Motor	TN	6	4.78	28.65	312.40	8,950	0.00	0	120.00	3,438
Condensate Pmps/Mtrs Foundation - Reinf Conc	CY	1	1,014.00	1,014.00	91.20	92,477	96.00	97,344	0.00	0
Mechanical Vacuum Pump/ Motor	TN	6	3.00	18.00	312.40	5,623	0.00	0	120.00	2,160
Condenser Exhauster (skid-mounted)	TN	2	7.50	15.00	312.40	4,686	0.00	0	120.00	1,800
Steam Packing Exhauster	TN	2	5.45	10.90	312.40	3,405	0.00	0	120.00	1,308
Piping, Vlvs Under 4" - Steel	TN	1	21.51	21.51	504.10	10,841	0.00	0	120.00	2,581
Piping, Vlvs 4"-8" - Steel	TN	1	30.30	30.30	312.40	9,465	0.00	0	120.00	3,636
Piping, Vlvs Over 8" - Steel	TN	1	220.16	220.16	234.30	51,584	0.00	0	120.00	26,419
Piping Insulation	CY	1	50.17	50.17	71.00	3,562	11.00	552	0.00	0
Subtotal						211,677		97,896		52,140

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Closed Cooling Water System										
Closed Cooling Water Pump/ Baseplate	TN	8	3.05	24.40	312.40	7,623	0.00	0	120.00	2,928
Closed Cooling Water Pump Motor	TN	8	6.43	51.44	312.40	16,070	0.00	0	120.00	6,173
Closed Cooling Water Heat Exchanger	TN	6	13.35	80.10	234.30	18,767	0.00	0	120.00	9,612
Closed Cooling Water Heater Drain Tank	TN	2	1.85	3.70	312.40	1,156	0.00	0	120.00	444
Piping, Vlvs Under 4" - Steel	TN	1	13.87	13.87	504.10	6,992	0.00	0	120.00	1,664
Piping, Vlvs 4" to 8" - Steel	TN	1	52.17	52.17	312.40	16,299	0.00	0	120.00	6,261
Piping, Vlvs Over 8" - Steel	TN	1	82.17	82.17	234.30	19,253	0.00	0	120.00	9,861
Subtotal						86,160		0		36,943
Cooling Tower										
Foundation - Reinf Conc	CY	1	15,916.00	15,916.00	91.20	1,451,539	96.00	1,527,936	0.00	0
Diagonal Columns - Reinf Conc	CY	1	2,419.00	2,419.00	91.20	220,613	96.00	232,224	0.00	0
Misc Structures - Reinf Conc	CY	1	220.00	220.00	91.20	20,064	96.00	21,120	0.00	0
Veil - Reinf Conc	CY	1	24,767.00	24,767.00	91.20	2,258,750	96.00	2,377,632	0.00	0
Thrust Blocks - Reinf Conc	CY	1	200.00	200.00	91.20	18,240	96.00	19,200	0.00	0
Fill Support & Flume - Reinf Conc	CY	1	5,896.00	5,896.00	91.20	537,715	96.00	566,016	0.00	0
Precast Fabrication - Reinf Conc	CY	1	4,654.00	4,654.00	91.20	424,445	96.00	446,784	0.00	0
PVC Fill (652,000 cf)	CY	1	3,340.00	3,340.00	91.20	304,608	96.00	320,640	0.00	0
Blowdown Pump/ Motor	TN	4	2.83	11.30	312.40	3,530	0.00	0	120.00	1,356
Blowdown Pump Pit/Thrust Blocks - Reinf Conc	CY	1	1,044.00	1,044.00	91.20	95,213	96.00	100,224	0.00	0
Blowdown Pump Area - Misc. Steel	TN	1	105.00	105.00	504.10	52,931	0.00	0	120.00	12,600
Interior Walkway (1,350 lf)	TN	2	20.25	40.50	312.40	12,652	0.00	0	120.00	4,860
Exterior Vertical Caged Ladder	TN	2	4.99	9.98	312.40	3,118	0.00	0	120.00	1,198
Subtotal						5,403,418		5,611,776		20,014
Cooling Tower Chlorination System										
Liquid Chiller Unit	TN	2	4.00	8.00	312.40	2,499	0.00	0	120.00	960
Chlorine Generator (skid-mounted)	TN	4	2.97	11.88	312.40	3,712	0.00	0	120.00	1,426
ChlorMaster Console Console	TN	2	5.00	10.00	312.40	3,124	0.00	0	120.00	1,200
Storage Tank - Fiberglass	CY	8	1.03	8.24	36.48	301	96.00	791	0.00	0
Subtotal						9,636		791		3,586
Miscellaneous Equipment & Steel	TN	1	48.24	48.24	504.10	24,316	0.00	0	120.00	5,788
Total Account 314						9,759,172		6,310,813		1,901,466
FERC Account 315										
Accessory Electrical Equipment										
Power Conversion Equipment										
6900V Metal Clad Switchgear	TN	2	128.40	256.81	234.30	60,170	0.00	0	120.00	30,817
6900V Non-segregated Phase Bus	TN	1	126.17	126.17	852.00	107,498	0.00	0	5,000.00	630,856
480V Power Control Centers (total)	TN	1	175.49	175.49	312.40	54,823	0.00	0	120.00	21,059
480V Motor Control Center	TN	30	2.40	72.00	312.40	22,493	0.00	0	120.00	8,640
Auxillary Transformer Shell, Tank, Fittings	TN	4	26.20	104.78	234.30	24,550	0.00	0	120.00	12,574
Auxillary Transformer Copper	TN	1	198.22	198.22	525.40	104,145	0.00	0	5,000.00	991,100
Isolated Phase Bus Duct (aluminum)	TN	1	566.00	566.00	852.00	482,232	0.00	0	1,340.00	758,440
AC/DC Rectifier - Cooling Tower Chlorination	TN	2	5.00	10.00	312.40	3,124	0.00	0	120.00	1,200
Electrostatic Precipitator Electrical Eqpmnt	TN	1	750.00	750.00	312.40	234,300	0.00	0	120.00	90,000
Batteries (total)	TN	1	36.00	36.00	504.10	18,148	0.00	0	0.00	0
Battery Chargers (total)	TN	1	3.60	3.60	504.10	1,815	0.00	0	120.00	432
Uninterruptable Power Supply System	TN	2	23.27	46.54	312.40	14,539	0.00	0	120.00	5,585
Conduit (exposed) - Steel	TN	1	337.80	337.80	504.10	170,283	0.00	0	120.00	40,536
Conduit Ductbank - Reinf Conc	CY	1	15,261.00	15,261.00	91.20	1,391,803	96.00	1,465,056	0.00	0

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Cable Tray - Steel	TN	1	274.05	274.05	504.10	138,149	0.00	0	120.00	32,886
Cable Tray Support Steel	TN	1	109.62	109.62	312.40	34,245	0.00	0	120.00	13,154
Insulated Copper Wiring	TN	1	1,822.60	1,822.60	852.00	1,552,853	0.00	0	2,100.00	3,827,454
Ground Wire - Bare Copper	TN	1	105.63	105.63	852.00	89,997	0.00	0	5,000.00	528,153
FD/ID Fan Bldg - Transformer Shell,Tank,Fttng	TN	4	3.50	13.99	312.40	4,372	0.00	0	120.00	1,679
FD/ID Fan Bldg - Transformer Shell,Tank,Fttng	TN	2	3.44	6.88	312.40	2,149	0.00	0	120.00	826
FD/ID Fan Bldg - Transformer Shell,Tank,Fttng	TN	8	5.04	40.32	234.30	9,447	0.00	0	120.00	4,838
FD/ID Fan Bldg - Transformer Copper	TN	1	85.39	85.39	525.40	44,866	0.00	0	5,000.00	426,972
FD/ID Fan Bldg - FD Fan Reactor	TN	6	3.28	19.65	312.40	6,139	0.00	0	120.00	2,358
FD/ID Fan Bldg - ID Fan Reactor	TN	8	6.85	54.80	312.40	17,120	0.00	0	120.00	6,576
Total Account 315						4,589,259		1,465,056		7,438,134
FERC Account 316										
Misc. Power Plant Equipment										
Station Air Compressor/ Coolers	TN	4	11.15	44.60	234.30	10,450	0.00	0	120.00	5,352
Station Air Compressor Motor	TN	4	6.16	24.64	312.40	7,696	0.00	0	120.00	2,956
Station Air Receiver	TN	2	3.85	7.70	312.40	2,405	0.00	0	120.00	924
Station Air Foundation - Reinf Conc	CY	1	360.00	360.00	91.20	32,832	96.00	34,560	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	18.96	18.96	504.10	9,558	0.00	0	120.00	2,275
Piping, Vlvs 4" to 8" - Steel	TN	1	27.29	27.29	312.40	8,526	0.00	0	120.00	3,275
Piping, Vlvs Over 8" - Steel	TN	1	8.97	8.97	234.30	2,101	0.00	0	120.00	1,076
Total Account 316						73,569		34,560		15,859
TOTAL ST. JOHNS UNITS 1 & 2						42,067,740		15,616,684		18,582,111
COAL & LIMESTONE FACILITIES										
FERC Account 311										
Improvements to Site										
Coal Terminal - General										
Roads (asphalt) - 18,980 sf	CY	1	117.00	117.00	36.48	4,268	96.00	11,232	0.00	0
Walks, Parking (asphalt) - 5,376 sf	CY	1	33.00	33.00	36.48	1,204	96.00	3,168	0.00	0
Vehicle Washdown Area - Reinforced Concrete	CY	1	36.00	36.00	91.20	3,283	96.00	3,456	0.00	0
Sewer Piping - PVC (6"-1,540 lf)	CY	1	4.24	4.24	36.48	154	96.00	407	0.00	0
Firemain Piping - PVC (10"-1,100 lf)	CY	1	7.92	7.92	36.48	289	96.00	760	0.00	0
Firemain Piping - Steel (720 lf + 4 hydrants)	TN	1	8.89	8.89	426.00	3,787	0.00	0	120.00	1,067
Potable Water Ppng, Vlvs - PVC (6"-1,100 lf)	CY	1	3.03	3.03	36.48	110	96.00	290	0.00	0
Service Water Piping, Valves - Steel (240 lf)	TN	1	1.15	1.15	426.00	491	0.00	0	120.00	138
Fencing (4,600 lf) - Steel	TN	1	11.50	11.50	504.10	5,797	0.00	0	120.00	1,380
Misc. Pump & Tank Foundations - Reinf Conc	CY	1	20.00	20.00	91.20	1,824	96.00	1,920	0.00	0
Subtotal						21,208		21,233		2,585
Coal Terminal - Service Building										
Foundation - Reinforced Concrete	CY	1	219.00	219.00	91.20	19,973	96.00	21,024	0.00	0
Structural Steel	TN	1	27.00	27.00	234.30	6,326	0.00	0	120.00	3,240
Partitions - Concrete Block (1,500 sf)	CY	1	24.81	24.81	36.48	905	96.00	2,382	0.00	0
Steel Siding (9,600 sf)	TN	1	14.40	14.40	312.40	4,499	0.00	0	120.00	1,728
Overhead Crane	TN	1	3.00	3.00	312.40	937	0.00	0	120.00	360
HVAC	TN	1	2.50	2.50	312.40	781	0.00	0	120.00	300
Subtotal						33,421		23,406		5,628
Coal Terminal - Dock & Trestle										
Structure - Reinforced Concrete	CY	1	5421.00	5421.00	91.20	494,395	96.00	520,416	0.00	0
Rails - Steel (1,252 lf @ 175#/yd)	TN	1	36.52	36.52	504.10	18,408	0.00	0	120.00	4,382
Coal Ship Unloader Power Track/ Support Steel	TN	1	15.63	15.63	312.40	4,881	0.00	0	120.00	1,875
Handrailing - Steel (945 lf)	TN	1	4.73	4.73	504.10	2,382	0.00	0	120.00	567

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ST. JOHNS RIVER POWER PARK

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Concrete Planks (132)	CY	1	44.00	44.00	36.48	1,605	96.00	4,224	0.00	0
Bollards - Steel	TN	13	1.50	19.50	312.40	6,092	0.00	0	120.00	2,340
Pier Fender Assembly (buckstays/chain/fender)	TN	11	5.00	55.00	312.40	17,182	0.00	0	120.00	6,600
Beams - 12"x 12" (2,836 lf)	CY	1	51.05	51.05	36.48	1,862	96.00	4,901	0.00	0
Subtotal						546,807		529,541		15,764
Power Park - Coal/ Limestone Handling Structures										
CH/LH Switchgear Bldg Foundation - Reinf Conc	CY	1	316.00	316.00	91.20	28,819	96.00	30,336	0.00	0
Coal/Limestone Hndlng Swgr Bldg - Struc Steel	TN	1	25.80	25.80	234.30	6,045	0.00	0	120.00	3,096
CH/LH Swgr Bldg - Steel Siding (4,100 sf)	TN	1	5.13	5.13	312.40	1,601	0.00	0	120.00	615
Coal Hndlg Admin Bldg Foundation - Reinf Conc	CY	1	50.81	50.81	91.20	4,634	96.00	4,878	0.00	0
Coal Handling Admin Bldg Walls - Reinf Conc	CY	1	42.88	42.88	91.20	3,911	96.00	4,116	0.00	0
Coal Handling Admin Bldg Roof - Reinf Conc	CY	1	21.33	21.33	91.20	1,945	96.00	2,048	0.00	0
Coal Handling Admin Bldg - Structural Steel	TN	1	8.00	8.00	234.30	1,874	0.00	0	120.00	960
Coal Handling Admin Bldg - Steel Siding	TN	1	1.00	1.00	312.40	312	0.00	0	120.00	120
Refuel Station Foundation - Reinf Concrete	CY	1	26.00	26.00	91.20	2,371	96.00	2,496	0.00	0
Subtotal						51,513		43,874		4,791
Total Account 311						652,949		618,054		28,768
FERC Account 312										
Boiler Plant Service Equipment										
Coal Terminal - Conveyer System										
Coal Ship Unloader	TN	1	1652.87	1652.87	234.30	387,267	0.00	0	120.00	198,344
Trusses & Galleries	TN	1	2609.80	2609.80	234.30	611,476	0.00	0	120.00	313,176
Transfer Stations	TN	1	275.50	275.50	234.30	64,550	0.00	0	120.00	33,060
Mechanical Components	TN	1	635.00	635.00	312.40	198,374	0.00	0	120.00	76,200
Platework - Steel	TN	1	34.50	34.50	312.40	10,778	0.00	0	120.00	4,140
Fire Protection System/ Piping	TN	1	98.00	98.00	312.40	30,615	0.00	0	120.00	11,760
Vacuum Cleaning System/ Piping	TN	1	60.00	60.00	312.40	18,744	0.00	0	120.00	7,200
Conveyor Tower Foundations - Reinf Conc	CY	1	1897.00	1897.00	91.20	173,006	96.00	182,112	0.00	0
Transfer Station Foundations - Reinf Conc	CY	1	181.00	181.00	91.20	16,507	96.00	17,376	0.00	0
Subtotal						1,511,317		199,488		643,880
Stacker & Reclaimer/ Runway										
Coal Stacker	TN	1	50.94	50.94	504.10	25,677	0.00	0	120.00	6,112
Coal Reclaimer	TN	1	50.94	50.94	504.10	25,677	0.00	0	120.00	6,112
Foundations - Reinforced Concrete	CY	1	50.94	50.94	91.20	4,645	96.00	0	0.00	0
Pre-cast Girders (1,714 lf)	CY	1	50.94	50.94	91.20	4,645	96.00	0	0.00	0
Rails - Steel (1,756 lf)	TN	1	50.94	50.94	504.10	25,677	0.00	0	120.00	6,112
Subtotal						86,320		0		18,337
Coal/ Limestone Handling (Dumper) Building										
Structural Steel	TN	1	832.50	832.50	234.30	195,055	0.00	0	120.00	99,900
Deck Grating - Steel (932 sf)	TN	1	5.03	5.03	504.10	2,537	0.00	0	120.00	604
Handrailing (809 lf)	TN	1	4.05	4.05	504.10	2,039	0.00	0	120.00	485
Steel Siding/ Roofing (48,800 lf)	TN	1	61.00	61.00	312.40	19,056	0.00	0	120.00	7,320
Structure & Foundation - Reinforced Concrete	CY	1	14116.00	14116.00	91.20	1,287,379	96.00	1,355,136	0.00	0
Car Positioner & Drive Shed - Reinf Concrete	CY	1	586.00	586.00	91.20	53,443	96.00	56,256	0.00	0
Car Clamp,Rotation Drive,Wheel Clamp Assembly	TN	1	23.80	23.80	234.30	5,576	0.00	0	120.00	2,856
Rotary Car Dumper Platen/ End Rings - Steel	TN	1	65.39	65.39	234.30	15,320	0.00	0	120.00	7,846
Rotary Car Dumper Hauling Cable	TN	1	2.64	2.64	504.10	1,330	0.00	0	120.00	317
Rotary Car Dumper Trunnion Assemblies	TN	1	5.00	5.00	312.40	1,562	0.00	0	120.00	600
Hydraulic Car Mover Motor - 125 hp	TN	1	1.29	1.29	312.40	404	0.00	0	120.00	155
10-ton Take-up Winch/ Frames	TN	1	11.30	11.30	234.30	2,648	0.00	0	120.00	1,356

ST. JOHNS RIVER POWER PARK

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Unloading System Logic Cabinets - Steel	TN	1	1.50	1.50	312.40	469	0.00	0	120.00	180
Dust Suppression System Tank/ Pump/ Motor-Stl	TN	1	1.50	1.50	312.40	469	0.00	0	120.00	180
Rotary Car Dump Pit Sump Pump/ Motor	TN	1	1.73	1.73	312.40	540	0.00	0	120.00	208
Bottom Car Dump Pit Sump Pump/ Motor	TN	1	1.73	1.73	312.40	540	0.00	0	120.00	208
Coal Handling Control Board	TN	1	2.50	2.50	312.40	781	0.00	0	120.00	300
Coal Unloading Control Console	TN	1	1.50	1.50	312.40	469	0.00	0	120.00	180
Limestone Handling Control Console	TN	1	1.50	1.50	312.40	469	0.00	0	120.00	180
Tripper Interface Logic Cabinet	TN	1	1.50	1.50	312.40	469	0.00	0	120.00	180
Limestone Rail Car Mover - Mechanical	TN	1	15.25	15.25	312.40	4,764	0.00	0	120.00	1,830
Limestone Rail Car Mover - Hydraulic Unit	TN	1	1.25	1.25	312.40	391	0.00	0	120.00	150
Limestone Feeder	TN	3	3.05	9.14	312.40	2,854	0.00	0	120.00	1,096
Subtotal						1,598,562		1,411,392		126,131
Coal Conveyor System										
Coal Stacker-Reclaimer	TN	1	320.00	320.00	234.30	74,976	0.00	0	120.00	38,400
Coal Stacker-Reclaimer Rails - Steel	TN	1	51.30	51.30	504.10	25,860	0.00	0	120.00	6,156
Coal Stacker-Reclaimer Foundation - Rnf Conc	CY	1	3360.00	3360.00	91.20	306,432	96.00	322,560	0.00	0
Coal Stacker-Reclaimer Aux/ Auto Panel	TN	1	1.00	1.00	312.40	312	0.00	0	120.00	120
Cnvyr Bents/ Take-up Twr Fndtns - Reinf Conc	CY	1	4711.00	4711.00	91.20	429,643	96.00	452,256	0.00	0
Emergency Reclaim Foundation - Reinf Concrete	CY	1	2957.00	2957.00	91.20	269,678	96.00	283,872	0.00	0
Lowering Well Stackout Fndation - Reinf Conc	CY	1	496.00	496.00	91.20	45,235	96.00	47,616	0.00	0
Conveyor Tunnel - Reinforced Concrete	CY	1	3380.00	3380.00	91.20	308,256	96.00	324,480	0.00	0
Coal Crusher Floor - Reinforced Concrete	CY	1	100.00	100.00	91.20	9,120	96.00	9,600	0.00	0
Head House Floor - Reinforced Concrete	CY	1	77.00	77.00	91.20	7,022	96.00	7,392	0.00	0
Coal Crusher/ Handling Bldg - Reinf Concrete	CY	1	1054.00	1054.00	91.20	96,125	96.00	101,184	0.00	0
Conveyor Belting - Rubber w/ Steel Cord	TN	1	146.33	146.33	36.48	5,338	96.00	14,048	0.00	0
CD Magnetic Separator - Magnet	TN	1	8.65	8.65	312.40	2,702	0.00	0	120.00	1,038
CD Magnetic Separator - Separator Unit	TN	1	10.65	10.65	234.30	2,495	0.00	0	120.00	1,278
C-2 Magnetic Separator - Magnet	TN	1	3.90	3.90	312.40	1,218	0.00	0	120.00	468
C-2 Magnetic Separator - Separator Unit	TN	1	5.45	5.45	312.40	1,703	0.00	0	120.00	654
C-3 Magnetic Separator - Magnet	TN	1	2.75	2.75	312.40	859	0.00	0	120.00	330
C-3 Magnetic Separator - Separator Unit	TN	1	3.30	3.30	312.40	1,031	0.00	0	120.00	396
C-4 Magnetic Separator - Magnet	TN	1	6.15	6.15	312.40	1,921	0.00	0	120.00	738
C-4 Magnetic Separator - Separator Unit	TN	1	7.00	7.00	312.40	2,187	0.00	0	120.00	840
C-1, C-2, C-3, C-4 Conveyor Motors	TN	5	5.10	25.50	312.40	7,966	0.00	0	120.00	3,060
C-5 Conveyor Motor	TN	1	2.04	2.04	312.40	637	0.00	0	120.00	245
C-6 Conveyor Motor	TN	1	1.28	1.28	312.40	398	0.00	0	120.00	153
C-7, C-8 Conveyor Motors	TN	2	3.06	6.12	312.40	1,912	0.00	0	120.00	734
Conveyor System Pulleys	TN	1	164.65	164.65	312.40	51,436	0.00	0	120.00	19,758
Conveyor System Counterweights	TN	1	47.76	47.76	312.40	14,921	0.00	0	120.00	5,732
Conveyor System Speed Reducers/ Couplings	TN	1	54.20	54.20	312.40	16,932	0.00	0	120.00	6,504
Coal Dust Collector System - Plant	TN	1	10.35	10.35	312.40	3,233	0.00	0	120.00	1,242
Coal Dust Collector/ Fan Mtr - Unloading Area	TN	1	4.85	4.85	312.40	1,515	0.00	0	120.00	582
Coal Dust Collector/ Fan Motor - Tower "C"	TN	1	4.73	4.73	312.40	1,476	0.00	0	120.00	567
Coal Dust Collector/ Fan Mtr - Crusher House	TN	1	7.65	7.65	312.40	2,390	0.00	0	120.00	918
Vacuum Cleaning Exhauster/ Motor - Steel	TN	5	1.00	5.00	504.10	2,521	0.00	0	120.00	600
Coal Sampling System	TN	1	15.00	15.00	234.30	3,515	0.00	0	120.00	1,800
Coal Sampling Bucket Elevator	TN	2	8.75	17.50	312.40	5,467	0.00	0	120.00	2,100
Mill & Chemical Motors	TN	1	3.99	3.99	504.10	2,013	0.00	0	120.00	479
Chain Adjuster Assembly	TN	1	1.67	1.67	312.40	522	0.00	0	120.00	200
Structural Steel	TN	1	2505.90	2505.90	234.30	587,132	0.00	0	120.00	300,708
Bents & Galleries - Steel	TN	1	1577.50	1577.50	234.30	369,608	0.00	0	120.00	189,300
Handrailing - Steel (12,370 lf)	TN	1	61.85	61.85	504.10	31,179	0.00	0	120.00	7,422
Deck Grating - Steel (17,616 sf)	TN	1	95.13	95.13	504.10	47,953	0.00	0	120.00	11,415
Steel Roofing/ Siding (246,400 sf)	TN	1	308.00	308.00	312.40	96,219	0.00	0	120.00	36,960

ST. JOHNS RIVER POWER PARK

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HVAC Ducting - Steel	TN	1	36.78	36.78	312.40	11,490	0.00	0	120.00	4,414
Hoppers/ Feeders - Steel	TN	1	424.70	424.70	234.30	99,507	0.00	0	120.00	50,964
Emergency Reclaim Pit Sump Pump/ Motor	TN	1	1.61	1.61	312.40	504	0.00	0	120.00	194
Coal Crusher - Steel	TN	2	6.74	13.48	312.40	4,210	0.00	0	120.00	1,617
Coal Crusher Motor - 500 hp	TN	2	5.70	11.40	312.40	3,561	0.00	0	120.00	1,368
Tripper Deck Car	TN	2	5.00	10.00	312.40	3,124	0.00	0	120.00	1,200
Tripper Deck Car Speed Reducers	TN	1	1.30	1.30	504.10	655	0.00	0	120.00	156
Tripper Car Pulleys	TN	1	3.63	3.63	504.10	1,830	0.00	0	120.00	436
Tripper Car Rail (60#/yd)	TN	1	32.40	32.40	504.10	16,333	0.00	0	120.00	3,888
Coal Silo - Steel	TN	14	44.79	627.06	234.30	146,920	0.00	0	120.00	75,247
Coal Pulverizer - Steel	TN	14	192.43	2694.00	234.30	631,204	0.00	0	120.00	323,280
Coal Pulverizer Motor	TN	14	6.43	90.02	312.40	28,122	0.00	0	120.00	10,802
Interface Logic Cabinet - Steel	TN	1	2.50	2.50	312.40	781	0.00	0	120.00	300
Fuel Mgmt System Logic Cabinet - Steel	TN	1	2.63	2.63	312.40	820	0.00	0	120.00	315
Subtotal						3,790,123		1,563,008		1,115,078
Limestone Conveyor System & Reagent Area										
Structural Steel	TN	1	192.80	192.80	234.30	45,173	0.00	0	120.00	23,136
Bents & Galleries - Steel	TN	1	80.00	80.00	234.30	18,744	0.00	0	120.00	9,600
Handrailing (1,664 lf)	TN	1	8.32	8.32	504.10	4,194	0.00	0	120.00	998
Deck Grating - Steel (2,545 sf)	TN	1	13.74	13.74	504.10	6,928	0.00	0	120.00	1,649
Roofing/ Siding - Steel (13,900 sf)	TN	1	17.38	17.38	312.40	5,428	0.00	0	120.00	2,085
Hoppers/ Feeders - Steel	TN	1	96.90	96.90	234.30	22,704	0.00	0	120.00	11,628
Conveyor Belting - Rubber w/ Steel Cord	CY	1	8.59	8.59	36.48	313	96.00	825	0.00	0
LD Magnetic Separator - Magnet	TN	1	4.65	4.65	312.40	1,453	0.00	0	120.00	558
LD Magnetic Separator - Separator Unit	TN	1	5.40	5.40	312.40	1,687	0.00	0	120.00	648
Limestone Transfer House - Reinf Concrete	CY	1	517.00	517.00	91.20	47,150	96.00	49,632	0.00	0
L-1 Conveyor Motor	TN	1	3.06	3.06	312.40	956	0.00	0	120.00	367
L-2 Conveyor Motor	TN	1	1.53	1.53	312.40	478	0.00	0	120.00	184
Conveyor System Pulleys	TN	1	19.06	19.06	312.40	5,953	0.00	0	120.00	2,287
Conveyor System Counterweights	TN	1	7.12	7.12	312.40	2,224	0.00	0	120.00	854
Conveyor System Speed Reducers/ Couplings	TN	1	10.74	10.74	312.40	3,356	0.00	0	120.00	1,289
Limestone Slewing Stacker Reducer- Boom Cnvyr	TN	1	3.25	3.25	312.40	1,015	0.00	0	120.00	390
Limestone Slewing Stacker Reducer - Slew	TN	1	7.50	7.50	312.40	2,343	0.00	0	120.00	900
Limestone Slewing Stacker Reducer - Luffing	TN	1	3.00	3.00	312.40	937	0.00	0	120.00	360
Limestone Reclaim Pit & Tunnel - Reinf Conc	CY	1	1335.00	1335.00	91.20	121,752	96.00	128,160	0.00	0
Limestone Conveyor Tunnel - Reinf Concrete	CY	1	2015.00	2015.00	91.20	183,768	96.00	193,440	0.00	0
Limestone Ball Mill	TN	2	67.36	134.73	234.30	31,566	0.00	0	120.00	16,167
Limestone Ball Mill Motor	TN	2	3.05	6.10	312.40	1,906	0.00	0	120.00	732
Limestone Dust Collector/ Fan Mtr - Unloading	TN	1	4.85	4.85	312.40	1,515	0.00	0	120.00	582
Limestone Dust Collector/ Fan Mtr - Tower "L"	TN	1	4.30	4.30	312.40	1,343	0.00	0	120.00	516
Limestone Silo - Steel	TN	2	41.50	83.00	234.30	19,447	0.00	0	120.00	9,960
Ball Mill Slurry Sump Tank/ Agitator/ Motor	TN	2	3.24	6.48	312.40	2,025	0.00	0	120.00	778
Reagent Prep Enclosure Foundation - Rnf Conc	CY	1	191.27	191.27	91.20	17,444	96.00	18,362	0.00	0
Reagent Preparation Enclosure - Struc Steel	TN	1	165.26	165.26	234.30	38,720	0.00	0	120.00	19,831
Reagent Prep Enclosure Roofing/Siding - Steel	TN	1	7.70	7.70	312.40	2,405	0.00	0	120.00	924
Reagent Preparation Enclosure - Misc. Steel	TN	1	19.12	19.12	504.10	9,638	0.00	0	120.00	2,294
Reagent Feed Tank - Steel	TN	4	49.50	198.00	234.30	46,391	0.00	0	120.00	23,760
Reagent Feed Agitator/ Motor	TN	4	2.00	8.00	312.40	2,499	0.00	0	120.00	960
Subtotal						651,457		390,418		133,438
Dumper Bldg/ Conveyor Systems - Misc. Items										
Conveyor Idlers - Steel	TN	1	247.85	247.85	504.10	124,943	0.00	0	120.00	29,742
Conveyor Backstops - Steel	TN	1	2.51	2.51	504.10	1,267	0.00	0	120.00	302
Gates/ Gate Operators - Steel	TN	1	16.50	16.50	312.40	5,155	0.00	0	120.00	1,980

ST. JOHNS RIVER POWER PARK

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Belt Scales - Steel	TN	1	16.10	16.10	312.40	5,029	0.00	0	120.00	1,932
Belt Plows & Cleaners - Steel	TN	1	4.53	4.53	504.10	2,282	0.00	0	120.00	543
Hoists & Trolleys	TN	1	15.34	15.34	504.10	7,733	0.00	0	120.00	1,841
Power Tracks - Steel	TN	1	9.21	9.21	312.40	2,876	0.00	0	120.00	1,105
Conveyor Soft Starters - Steel	TN	1	5.20	5.20	312.40	1,624	0.00	0	120.00	624
Piping, Valves Under 4" - Steel	TN	1	14.95	14.95	504.10	7,538	0.00	0	120.00	1,794
Piping, Valves 4" to 8" - Steel	TN	1	323.93	323.93	312.40	101,196	0.00	0	120.00	38,872
Fiberglass-reinforced Piping (FRP)	TN	1	2.50	2.50	36.48	91	96.00	240	0.00	0
Subtotal						259,733		240		78,734
Total Account 312						7,897,514		3,564,546		2,115,598
FERC Account 315										
Accessory Electrical Equipment										
Coal Terminal										
Transformer Shell - Distribution Yard	TN	1	2.30	2.30	312.40	719	0.00	0	120.00	276
Transformer Shell - Distribution Yard	TN	1	1.00	1.00	312.40	312	0.00	0	120.00	120
Transformer Copper	TN	1	3.96	3.96	525.40	2,081	0.00	0	5,000.00	19,800
Conveyor Electrical Equipment	TN	1	97.00	97.00	312.40	30,303	0.00	0	120.00	11,640
Copper Wiring - Bare (37,568 lf)	TN	1	9.39	9.39	852.00	8,002	0.00	0	5,000.00	46,960
Distribution Yard Bldgs & Misc. Steel	TN	1	3.00	3.00	504.10	1,512	0.00	0	120.00	360
Distribution Yard Electrical Equipment	TN	1	4.00	4.00	504.10	2,016	0.00	0	120.00	480
Distribution Yard Foundations - Reinf Conc	CY	1	20.00	20.00	91.20	1,824	96.00	1,920	0.00	0
Coal/Limestone Handling Trnsfrmer - 7,500 kva	TN	2	6.38	12.76	312.40	3,986	0.00	0	120.00	1,531
Coal/Limestone Handling Transformer Copper	TN	1	17.63	17.63	525.40	9,264	0.00	0	5,000.00	88,160
Transf Foundtns/ Retainer Walls - Reinf Conc	CY	1	10.72	10.72	91.20	978	96.00	1,029	0.00	0
Dumper Bldg - Power Control Center	TN	2	7.15	14.31	312.40	4,470	0.00	0	120.00	1,717
Dumper Bldg - Motor Control Center	TN	2	2.40	4.80	312.40	1,500	0.00	0	120.00	576
Dumper Bldg - GE Adj Speed Drive Cabinets	TN	1	3.00	3.00	504.10	1,512	0.00	0	120.00	360
Copper Wiring - Insulated	TN	1	27.19	27.19	852.00	23,168	0.00	0	2,100.00	57,104
Copper Wiring - Bare	TN	1	3.39	3.39	852.00	2,891	0.00	0	5,000.00	16,968
Conduit - Steel	TN	1	1024.56	1024.56	504.10	516,480	0.00	0	120.00	122,947
Cable Tray - Steel	TN	1	5.52	5.52	504.10	2,783	0.00	0	120.00	662
Total Account 315						613,800		2,949		369,661
TOTAL COAL & LIMESTONE FACILITY						9,164,263		4,185,549		2,514,027
GYPSUM & ASH HANDLING										
FERC Account 312										
Boiler Plant Service Equipment										
Flue Gas Desulfurization (FGD) - Dewatering Area										
Structural Steel	TN	1	108.00	108.00	234.30	25,304	0.00	0	120.00	12,960
Ladders/Handrailing/Platform Walkway - Steel	TN	1	5.40	5.40	504.10	2,722	0.00	0	120.00	648
Siding/ Roofing - Steel	TN	1	20.79	20.79	312.40	6,495	0.00	0	120.00	2,495
Return Water Tank - Steel	TN	2	13.50	27.00	234.30	6,326	0.00	0	120.00	3,240
Reslurry Tank - Steel	TN	2	4.50	9.00	312.40	2,812	0.00	0	120.00	1,080
Reslurry Tank Agitator/ Motor	TN	2	1.35	2.70	312.40	843	0.00	0	120.00	324
Reslurry Pump/ Motor	TN	4	1.01	4.05	312.40	1,265	0.00	0	120.00	486
Compressant Water Tank - Steel	TN	4	2.30	9.20	312.40	2,874	0.00	0	120.00	1,104
Filtrate Return Pump/ Motor	TN	16	1.08	17.24	312.40	5,386	0.00	0	120.00	2,069
Return Water Pump/ Motor	TN	4	1.08	4.31	312.40	1,346	0.00	0	120.00	517
Vacuum Filter Pump/ Motor	TN	8	4.52	36.17	312.40	11,299	0.00	0	120.00	4,340
1st Stage Vacuum Filter Drum - Steel	TN	4	15.50	62.00	234.30	14,527	0.00	0	120.00	7,440
2nd Stage Vacuum Filter Drum - Steel	TN	4	15.50	62.00	234.30	14,527	0.00	0	120.00	7,440
Portable Gypsum Conveyor	TN	1	12.00	12.00	234.30	2,812	0.00	0	120.00	1,440

ST. JOHNS RIVER POWER PARK

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Overhead Crane/ I-beam Support	TN	1	3.00	3.00	312.40	937	0.00	0	120.00	360
Dewatering Control Console - Steel	TN	1	2.00	2.00	312.40	625	0.00	0	120.00	240
Piping, Valves Under 4" - Steel	TN	1	3.26	3.26	504.10	1,642	0.00	0	120.00	391
Piping, Valves 4" to 8" - Steel	TN	1	30.22	30.22	312.40	9,441	0.00	0	120.00	3,627
Piping, Valves Over 8" - Steel	TN	1	6.57	6.57	234.30	1,539	0.00	0	120.00	788
Fiberglass-reinforced Piping (FRP)	CY	1	25.11	25.11	36.48	916	96.00	2,410	0.00	0
Subtotal						113,637		2,410		50,988
Gypsum Conveyor System & Storage Area										
Gypsum Conveyor	TN	1	22.00	22.00	234.30	5,155	0.00	0	120.00	2,640
Gypsum Conveyor/ Tower Fndtion - Reinf Conc	CY	1	638.00	638.00	91.20	58,186	96.00	61,248	0.00	0
Gypsum Conveyor Pulleys	TN	1	4.52	4.52	504.10	2,277	0.00	0	120.00	542
Gypsum Conveyor Counterweights	TN	1	3.95	3.95	504.10	1,991	0.00	0	120.00	474
Gypsum Conveyor Speed Reducers/ Drives	TN	1	7.03	7.03	504.10	3,545	0.00	0	120.00	844
Storage Area Fndtn/Retainer Wall - Reinf Conc	CY	1	1893.00	1893.00	91.20	172,642	96.00	181,728	0.00	0
Storage Area Structural Steel	TN	1	270.00	270.00	234.30	63,261	0.00	0	120.00	32,400
Storage Area Siding/ Roofing - Steel	TN	1	81.00	81.00	312.40	25,304	0.00	0	120.00	9,720
Pre-sedimentation Basin - Reinforced Concrete	CY	1	4745.00	4745.00	91.20	432,744	96.00	455,520	0.00	0
Subtotal						765,104		698,496		46,620
Ash Storage Area Buildings (Solid Waste Area)										
Foundations - Reinforced Concrete	CY	1	3601.00	3601.00	91.20	328,411	96.00	345,696	0.00	0
Walls - Reinforced Concrete	CY	1	125.07	125.07	91.20	11,406	96.00	12,007	0.00	0
Roofs - Reinforced Concrete	CY	1	240.16	240.16	91.20	21,903	96.00	23,055	0.00	0
Built-up Roofing	CY	1	6.81	6.81	36.48	248	96.00	653	0.00	0
Walls - Concrete Block	CY	1	112.92	112.92	36.48	4,119	96.00	10,840	0.00	0
Support Steel (Solid Waste Handlg Admin Bldg)	TN	1	10.00	10.00	312.40	3,124	0.00	0	120.00	1,200
HVAC	TN	1	8.00	8.00	312.40	2,499	0.00	0	120.00	960
Overhead Crane/ Rail	TN	1	1.00	1.00	312.40	312	0.00	0	120.00	120
Subtotal						372,023		392,252		2,280
Ash Storage Area (Solid Waste Area)										
Nonsaleable Ash Storage Silo - Reinf Conc	CY	2	229.07	458.14	91.20	41,782	96.00	43,981	0.00	0
Precipitator Ash Storage Silo - Reinf Conc	CY	4	631.67	2526.68	91.20	230,433	96.00	242,561	0.00	0
Ash Silos - Steel (total)	TN	1	139.64	139.64	234.30	32,717	0.00	0	120.00	16,756
Hydrobins - Steel (total)	TN	1	290.27	290.27	234.30	68,011	0.00	0	120.00	34,833
Hydrobin Gate Assembly - Steel	TN	30	2.89	86.70	312.40	27,085	0.00	0	120.00	10,404
Hydrobin Bar Screens/ Splash Pans	TN	1	3.66	3.66	504.10	1,845	0.00	0	120.00	439
Stationary & Floating Decanters - Steel	TN	1	16.90	16.90	504.10	8,519	0.00	0	120.00	2,028
Fly Ash Wetting Pump/ Motor	TN	8	1.54	12.34	312.40	3,855	0.00	0	120.00	1,481
Intermittent HP Ash Water Pump/ Motor	TN	4	3.62	14.49	312.40	4,527	0.00	0	120.00	1,739
Intermittent LP Ash Water Pump/ Motor	TN	4	1.52	6.06	312.40	1,893	0.00	0	120.00	727
Loadout Tower - Steel	TN	2	7.51	15.03	312.40	4,694	0.00	0	120.00	1,803
Ash Water Surge Tank - Steel	TN	2	108.66	217.33	234.30	50,919	0.00	0	120.00	26,079
Ash Water Settling Tank - Steel	TN	2	74.94	149.89	234.30	35,119	0.00	0	120.00	17,986
Air Compressor	TN	1	2.00	2.00	312.40	625	0.00	0	120.00	240
Storage Silo Control Cabinet	TN	2	2.00	4.00	312.40	1,250	0.00	0	120.00	480
Dewatering Bin Control Cabinet	TN	2	2.00	4.00	312.40	1,250	0.00	0	120.00	480
Fly Ash Storage Silo Control/ Logic Cabinet	TN	1	2.00	2.00	312.40	625	0.00	0	120.00	240
Fly Ash Loadout Silo Control Cabinet	TN	1	1.50	1.50	312.40	469	0.00	0	120.00	180
Expansion Joints - Steel	TN	1	11.41	11.41	504.10	5,754	0.00	0	120.00	1,370
Truck/ Track Scales - Structural Steel	TN	1	4.88	4.88	234.30	1,144	0.00	0	120.00	586
Jib Crane Arms (9 total)	TN	1	11.07	11.07	312.40	3,457	0.00	0	120.00	1,328
Handrailing, Walkways, Ladders, Grating	TN	1	102.90	102.90	504.10	51,871	0.00	0	120.00	12,348
Dust Collector System	TN	1	5.50	5.50	312.40	1,718	0.00	0	120.00	660

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Manhole Frames & Covers - Steel	TN	1	1.96	1.96	504.10	988	0.00	0	120.00	235
Filtering Plenum - Steel	TN	2	5.50	11.00	312.40	3,436	0.00	0	120.00	1,320
Piping, Valves 4" to 8" - Steel	TN	1	36.27	36.27	312.40	11,331	0.00	0	120.00	4,352
Piping Supports/ Braces - Steel	TN	1	10.00	10.00	312.40	3,124	0.00	0	120.00	1,200
Subtotal						598,440		286,543		139,294
Total Account 312						1,849,204		1,379,701		239,183
TOTAL GYPSUM & ASH HANDLING						1,849,204		1,379,701		239,183
GRAND TOTAL SJRPP						58,953,182		26,100,931		23,882,756

Turkey Point Plant

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Turkey Point Fossil and Combined Cycle

The Turkey Point Power Plant is located on a 12,700 acre site on Biscayne Bay in Dade County, approximately thirteen miles south of Miami, Florida. There are two fossil generating units (Units 1 & 2), two nuclear generating units (Units 3 & 4), and a large network of water cooling canals at the site. The nuclear generating units and the water cooling canals are excluded from this dismantlement study.

The original design of Turkey Point Fossil Units was for natural gas or oil-fired operation with provisions for future conversion to coal. Both units currently operate on natural gas with #6 heavy oil as an alternative fuel. The two units have a combined maximum generator name plate rating of 804 megawatts. The Units No. 1 & 2 went into commercial operation in 1967 and 1968, respectively. For purposes of this dismantlement study, the economic recovery dates for the Turkey Point units are as follows:

Unit	Year
Unit 1	2020
Unit 2	2020
Common	2032
Unit 5	2032

The dismantlement of the plants is assumed to require 2 years beginning five years after these dates.

Combined Cycle Unit 5 is a new unit located on the existing Turkey Point site. It went into commercial operation in May of 2007. The combined cycle technology maximizes the beneficial use of the site while minimizing environmental, land use and cost impacts otherwise associated with development of a nominal 1,150-MW power plant. Unit 5 utilizes a number of common facilities. It increases the generating capacity of the site without increasing the overall size of the site.

Unit 5 consists of four nominal 170-MW GE "F" Class Advanced Combustion Turbines (CT) with DLN combustors and four Heat Recovery Steam Generators, which utilizes waste heat from the CT to produce steam to drive a new steam turbine generator.

There are two #6 heavy oil tanks on site supplied via Biscayne Bay primarily by the use of barges. The fuel gas is transported by a pipeline connected to the Florida Gas Transmission System.

Florida Power & Light Company last requested and received approval for a change in dismantlement rates for the Turkey Point site in Docket No. 070378-EI, Order No. PSC-08-0095-PAA-EI issued on February 14, 2008. These accruals became effective as of January 1, 2007.

TURKEY POINT FOSSIL
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Turkey Point Common				
	Production Plant				
311	Structures and Improvements	802,581	2,536,776	399,839	2,939,518
312	Boiler Plant Equipment	19,441	103,025	5,460	117,006
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	25,989	0	90,920	(64,931)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	848,011	2,639,801	496,219	2,991,593
	Other Site Costs:				
	Site Management Expenses	847,476			847,476
	Asbestos Abatement Costs	838,000			838,000
	Special Waste	118,435			118,435
	Intake & Discharge Backfill	79,243			79,243
	Grading & Seeding	1,945,517			1,945,517
	Subtotal	3,828,671	0	0	3,828,671
	Total	4,676,683	2,639,801	496,219	6,820,265
	Contingency 16%	748,269	422,368		1,170,637
	Total Turkey Point Common	5,424,952	3,062,169	496,219	7,990,902
	Total Unusable M&S Inventory	1,813,357		181,336	1,632,021
		7,238,309	3,062,169	677,555	9,622,923
	Turkey Point Units 1 & 2				
311	Structures and Improvements	1,950,672	2,183,396	270,317	3,863,751
312	Boiler Plant Equipment	4,731,363	955,112	2,240,981	3,445,494
314	Turbogenerator Units	1,603,318	477,934	2,194,585	(113,333)
315	Accessory Electrical Equipment	591,154	261,300	1,230,515	(378,061)
316	Miscellaneous Equipment	10,849	0	3,732	7,117
	Subtotal	8,887,356	3,877,742	5,940,130	6,824,969
	Contingency 16%	1,421,977	620,439		2,042,416
	Total Turkey Point Units 1 & 2	10,309,333	4,498,181	5,940,130	8,867,384
	Turkey Point Unit 5				
341	Structures and Improvements	1,278,272	677,469	371,514	1,584,227
342	Fuel Holder Equipment	44,019	0	21,006	23,013
343	Prime Movers	3,555,109	1,029,084	2,547,408	2,036,785
344	Turbogenerator Units	1,138,447	358,225	808,560	688,112
345	Accessory Electrical Equipment	801,302	604,869	642,121	764,050
346	Miscellaneous Equipment	18,400	0	7,966	10,435
	Subtotal	6,835,550	2,669,647	4,398,574	5,106,622
	Contingency 16%	1,093,688	427,143		1,520,831
	Total Turkey Point Unit 5	7,929,238	3,096,790	4,398,574	6,627,454
	Total Dismantlement Cost:	25,476,880	10,657,140	11,016,258	25,117,761

TURKEY POINT FOSSIL
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Turkey Point Common	3,254,971	3,983,338	3,062,169	677,555	9,622,923
Turkey Point Units 1 & 2	6,185,600	4,123,733	4,498,181	5,940,130	8,867,384
Turkey Point Unit 5	4,757,543	3,171,695	3,096,790	4,398,574	6,627,454
Total	14,198,114	11,278,766	10,657,140	11,016,258	25,117,761

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

TURKEY POINT FOSSIL DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The fuel oil storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits.

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap. Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

TURKEY POINT FOSSIL DISMANTLEMENT ASSUMPTIONS (continued)

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However the dismantlement cost of the substation equipment is not included in this study so as to avoid duplicating recovery of costs already included in the net salvage factors of the substation equipment accounts' depreciation rates.

An expandable grout will be used to dismantle the turbine pedestals. The chimneys will be control-blasted.

It is assumed that dismantlement activity at Turkey Point will begin five years after end of service. The economic recovery dates used for this assumption are as follows:

Unit	Economic Recovery Date
Common	2032
Unit 1	2020
Unit 2	2020
Unit 5	2032

Asbestos at Turkey Point plant has been almost completely abated. FPL's Environmental Department recently had a survey done of asbestos at our production plants. It was determined that some asbestos insulation is in use at Turkey Point. It is estimated that the cost of abating the remaining asbestos at Turkey Point is $838,000.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove hazardous materials; i.e., leads (alkaline), acids, solvents, lubricants, oils, chemicals, and gasses.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines and backfill trenches.
- Remove main steam, hot and cold piping, downcomers, valves, and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove intake and discharge structures, equipment pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS
(Continued)

- Remove gas supply metering site, valve stations, underground distribution system.
- Remove solid and liquid wastes from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove fuel oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the Turkey Point Plant. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given city or region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$33.05	X	6	=	$198.33
Foreman	$41.96	X	1	=	$41.96
Heavy Equipment Operator	$39.99	X	1	=	$39.99
Total Cost per hour of 8 man crew					$280.28
Cost per man hour		$280.28	/ 8	=	$35.04

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator				31,395.00
Front End Loader				6,234.15
Cutting Equipment				231.75
Total per month				37,860.90
37,860.90	/ 176	hours per month =		215.12
Cost per man hour		$215.12	/ 8 =	$26.89
Plus: amount for small tools				1.00
Total Cost per man hour				$27.89

TURKEY POINT DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$35.04
Equipment	27.89
Total	$62.93
Rounded	$63.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$68.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$63.00	2.50 MH / Ton	$157.50 / Ton
Heavy Steel (2)	$63.00	3.30 MH / Ton	$207.90 / Ton
General Steel	$63.00	4.40 MH / Ton	$277.20 / Ton
Light Steel	$63.00	7.10 MH / Ton	$447.30 / Ton
Concrete	$63.00	0.48 MH / CY	$30.24 / CY
Reinforced Concrete	$68.00	1.20 MH / CY	$81.60 / CY
Copper-Elect. Cable & Generator Leads	$63.00	12.00 MH / Ton	$756.00 / Ton
Copper - Generator	$63.00	9.80 MH / Ton	$617.40 / Ton
Copper - Transformer	$63.00	7.40 MH / Ton	$466.20 / Ton
General Insulation	$63.00	1.00 MH / CY	$63.00 / CY
Inground Pipe-Metal(3)	$63.00	6.00 MH / Ton	$378.00 / Ton
Concrete Pipe	$68.00	4.60 MH / Ton	$312.80 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Homestead Landfill facility, using dumpsters provided by Waste Management, Inc.. Concrete and non-asbestos insulation are non-hazardous wastes. The tipping fee is $46/CY The per-haul dumpster charges are $475 per haul for a 20 CY dumpster and $675 per haul for a 30 CY dumpster.

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located appropriately in the detailed spreadsheet.

TURKEY POINT DISMANTLEMENT STUDY

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Dumpster Charge	$475.00	/ haul	X	1 haul	=	$475.00
Tipping Fees	$46.00	/ ton	X	30.5 ton		$1,403.00
Total Cost per round Trip						$1,878.00
Cost per Cubic Yard	$1,878.00	/ 15.38 cubic yards =				$122.11
Plus 10% contractor profit						12.21
Total Cost per Cubic Yard						$134.32
Rounded Cost per Cubic Yard						$134.00

Insulation

A trailer with a 30 cubic yard capacity is used for insulation because of its lighter weight. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of insulation weighs 121.5 pounds or .060750 tons. The 30 cubic yard dumpster capacity times .060750 tons/cubic yard= 1.82 tons.

Calcium Silicate Insulation

Truck Cost	$675.00	/ haul	X	1 haul	=	$675.00
Tipping Fees	$46.00	/ ton	X	1.82 ton	=	$83.72
Total Cost per round Trip						$758.72
Cost per Cubic Yard	$758.72	/ 27 cubic yards =				$28.10
Plus 10% contractor profit						2.81
Total Cost per Cubic Yard						$30.91
Rounded Cost per Cubic Yard						$31.00

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, is from published data and conversations with scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Construction Estimating Department are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month for site indirect costs. These expenses are to be incurred over the 18 month dismantlement period for Turkey Point Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expensesinclude field management supervision security, etc..

Site Management Expenses per month	$47,082
Number of months	18
Total Site Management Expenses	$847,476

Intake & Discharge Backfill

FPL's Power Generation Division developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. FPL's Construction Estimating Department has updated the costs as follows:

	Cost/Unit	Quantity	Totals
Intake	44,128	1	$44,128
Discharge	35,115	1	$35,115
			$79,243

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by Power Generation Division (PGD) and FPL's Construction Estimating Department is $63,579 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this cost factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Turkey Point Acreage to be graded and seeded	30.60
Cost Factor	$63,579
Total Grading and Seeding Expense	$1,945,517

Other Site Contamination & Special Waste

Florida Power & Light's Environmental Department has provided the following information about certain environmental related costs at the company's generating stations. At Turkey Point, the following cost estimates have been identified:

Description	Amount
Asbestos	$838,000
Lead in paint	900
Basins Clean Out/Material	50,000
Tanks/Washwater	67,535
Total	$956,435

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
TURKEY POINT COMMON										
FERC Account 311										
Improvements to Site										
Concrete Pavement	CY	1	5,165.00	5,165.00	30.24	156,190	134.00	692,110	0.00	0
Sewer System - Cast Iron	TN	1	58.88	58.88	277.20	16,322	0.00	0	120.00	7,066
Sewer System - Steel	TN	1	7.30	7.30	277.20	2,024	0.00	0	120.00	876
Sewer System - Concrete	CY	1	145.36	145.36	312.80	45,469	134.00	19,478	0.00	0
Manholes & Catchbasins	CY	1	148.67	148.67	81.60	12,131	134.00	19,922	0.00	0
Fire Protection System	TN	1	22.93	22.93	277.20	6,356	0.00	0	120.00	2,752
Fuel Oil Dock	CY	1	210.00	210.00	81.60	17,136	134.00	28,140	0.00	0
Hose Handling Structure	TN	1	1.30	1.30	277.20	360	0.00	0	120.00	156
Subtotal						255,987		759,650		10,849
Circulating and Service Water System										
Water Treatment Area Slab	CY	1	267.00	267.00	81.60	21,787	134.00	35,778	0.00	0
Water Treatment Equipment	TN	1	54.00	54.00	207.90	11,227	0.00	0	120.00	6,480
Piping - Cast Iron - 18"	TN	1	255.02	255.02	207.90	53,019	0.00	0	120.00	30,602
Piping - Cast Iron - 6"	TN	1	3.45	3.45	277.20	956	0.00	0	120.00	414
5 Ton Trolley Hoist	TN	1	0.90	0.90	447.30	403	0.00	0	120.00	108
Bridge Crane	TN	1	25.35	25.35	207.90	5,270	0.00	0	120.00	3,042
Station Crane	TN	1	148.50	148.50	207.90	30,873	0.00	0	120.00	17,820
Raw Water Storage Tank - 500,000gl	TN	1	352.00	352.00	207.90	73,181	0.00	0	120.00	42,240
Elevated Water Storage Tank - 100,00(	TN	1	124.50	124.50	207.90	25,884	0.00	0	120.00	14,940
Concrete Foundations	CY	1	432.00	432.00	81.60	35,251	134.00	57,888	0.00	0
Structural Steel	TN	1	64.00	64.00	207.90	13,306	0.00	0	120.00	7,680
Elevator	TN	1	37.60	37.60	207.90	7,817	0.00	0	120.00	4,512
Subtotal						278,973		93,666		127,838
Fuel & Ash Structures										
Fuel Oil Storage Tanks - 268,000bbl	EA	2	925.00	1,850.00	n/a	102,272	0.00	0	120.00	222,000
Cleaning Fuel Oil Storage Tanks	EA	2	268,000.00	536,000.00	n/a	0	n/a	1,300,000	0.00	0
Soil Remediation - Fuel Oil Storage Tan	EA	2	203.00	406.00	n/a	0	n/a	231,102	0.00	0
Fuel Oil Transport Lines	TN	1	306.46	306.46	207.90	63,713	0.00	0	120.00	36,775
Subotal						165,985		1,531,102		258,775
Other Buildings										
Concrete	CY	1	1,137.00	1,137.00	81.60	92,779	134.00	152,358	0.00	0
Miscellaneous Steel	TN	1	19.80	19.80	447.30	8,857	0.00	0	120.00	2,376
Subtotal						101,636		152,358		2,376
Total Account 311						802,581		2,536,776		399,839
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Light Oil Tanks	TN	2	12.28	24.56	n/a	13,636	0.00	0	120.00	2,947
Foundation			n/a	n/a	n/a	0	n/a	63,836	0.00	0
Light Oil Tank - Cleaning			n/a	n/a	n/a	0	n/a	13,000	0.00	0

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Soil Remediation			n/a	n/a	n/a	0	n/a	26,189	0.00	0
Fuel Oil Transfer Pumps	TN	6	1.23	7.38	277.20	0	0.00	0	120.00	0
Subtotal						13,636		103,025		2,947
Boiler Plant Auxiliaries										
Caustic Wash System	TN	1	7.34	7.34	277.20	2,035	0.00	0	120.00	881
Lime Slurry System	TN	1	13.60	13.60	277.20	3,770	0.00	0	120.00	1,632
Subtotal						5,805		0		2,513
Total Account 312						19,441		103,025		5,460
FERC Account 315										
Accessory Electrical Equipment										
Power & Conversion Equipment										
Station Service Transformer	TN	1	4.00	4.00	277.20	1,109	0.00	0	120.00	480
Emergency Diesel Generator	TN	1	9.45	9.45	277.20	2,620	0.00	0	120.00	1,134
Startup Transformer - 32,000kva	TN	1	36.75	36.75	207.90	7,640	0.00	0	120.00	4,410
Lighting Transformer	TN	15	0.60	9.00	447.30	4,026	0.00	0	120.00	1,080
Transformer Copper	TN	1	16.54	16.54	466.20	7,711	0.00	0	5,000.00	82,700
Storage Batteries & Equipment	TN	1	7.50	7.50	277.20	2,079	0.00	0	120.00	900
Subtotal						25,184		0		90,704
Switching, Control & Protective Equipment										
Instrument Transformers	TN	3	0.60	1.80	447.30	805	0.00	0	120.00	216
Subtotal						805		0		216
Total Account 315						25,989		0		90,920
TOTAL TURKEY POINT COMMON						848,011		2,639,801		496,219
TURKEY POINT UNITS 1 & 2										
FERC Account 311										
Circulating and Service Water System										
Intake Structure - Concrete	CY	1	966.00	1,932.00	81.60	157,651	134.00	258,888	0.00	0
Traveling Water Screens	TN	2	14.11	56.44	207.90	11,734	0.00	0	120.00	6,773
Intake Conduit	TN	1	656.25	1,312.50	277.20	363,825	0.00	0	120.00	157,500
Subtotal						533,210		258,888		164,273
Station Structures										
Concrete Footings and Piers	CY	1	2,114.00	4,228.00	81.60	345,005	134.00	566,552	0.00	0
Concrete Pedestal Mat	CY	1	3,290.00	6,580.00	81.60	536,928	134.00	881,720	0.00	0
Structural Steel	TN	1	365.00	730.00	277.20	202,356	0.00	0	120.00	87,600
Miscellaneous Steel	TN	1	75.20	150.40	277.20	41,691	0.00	0	120.00	18,048
Floors - Concrete	CY	1	1,462.00	2,924.00	81.60	238,598	134.00	391,816	0.00	0
Floor and Roof Slabs	CY	1	155.00	310.00	81.60	25,296	134.00	41,540	0.00	0
Enclosure - Concrete	CY	1	160.00	320.00	81.60	26,112	134.00	42,880	0.00	0
Misc. Cranes and Hoists	TN	1	1.65	3.30	447.30	1,476	0.00	0	120.00	396
Subtotal						1,417,462		1,924,508		106,044
Total Account 311						1,950,672		2,183,396		270,317

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Metering Tank - Foundation	CY	1	539.50	1,079.00	n/a	0	n/a	254,136	0.00	0
Fuel Oil Metering Tank - 12000 bbl	TN	2	50.60	202.40	n/a	34,090	0.00	0	120.00	24,288
F.O. Metering Tank - Cleaning	EA	1	n/a	n/a	n/a	0	n/a	140,000	0.00	0
Soil Remediation	EA	1	n/a	n/a	n/a	0	n/a	4,344		
Burner Pumps	TN	3	1.50	9.00	277.20	2,495	0.00	0	120.00	1,080
Burner Fuel Oil Booster Pumps	TN	2	1.23	4.92	277.20	1,364	0.00	0	120.00	590
Fuel Oil Piping	TN	1	97.07	194.14	277.20	53,816	0.00	0	120.00	23,297
Concrete	CY	1	43.00	86.00	81.60	7,018	134.00	11,524	0.00	0
Forced Draft Foundation	CY	1	229.50	459.00	81.60	37,454	134.00	61,506	0.00	0
Forced Draft Fans	TN	2	38.50	154.00	207.90	32,017	0.00	0	120.00	18,480
Forced Draft Fan Air Ducts	TN	2	127.00	508.00	63.00	32,004	0.00	0	120.00	60,960
FD Fan Air Duct Insulation	CY	1	225.00	160.71	63.00	10,125	31.00	4,982	0.00	0
FD Fan Air Duct Insulation - Calcium S	CY	1	270.00	540.00	63.00	34,020	31.00	16,740	0.00	0
Subtotal						244,402		493,232		128,695
Boiler Equipment										
Boiler Frame	TN	1	1,140.00	2,280.00	207.90	474,012	0.00	0	120.00	273,600
Platforms, Grating & Handrails	TN	1	414.00	828.00	277.20	229,522	0.00	0	120.00	99,360
Boiler - including:	TN	1	3,733.00	7,466.00	207.90	1,552,181	0.00	0	120.00	895,920
Drum, Headers, Hangers & Supports										
Waterwall, Downcomers & Tube-Guides										
Piping, Valves & Silencers										
Superheater, Reheater, Economizer										
Sootblowers										
Air Preheater	TN	2	483.00	1,932.00	207.90	401,663	0.00	0	120.00	231,840
Insulation	CY	1	970.00	346.43	63.00	21,825	31.00	10,739	0.00	0
Insulation - Calcium Silicate	CY	1	1,150.00	1,150.00	63.00	72,450	31.00	35,650	0.00	0
Instrument Air Compressors	TN	2	1.25	5.00	207.90	1,040	0.00	0	120.00	600
Instrument Air Piping	TN	1	16.34	32.68	447.30	14,618	0.00	0	120.00	3,922
Subtotal						2,767,310		46,389		1,505,242
Boiler Plant Auxiliaries										
L.P. Feedwater Heater #1	TN	1	22.75	45.50	207.90	9,459	0.00	0	120.00	5,460
L.P. Feedwater Heater #2	TN	1	16.20	32.40	207.90	6,736	0.00	0	120.00	3,888
H.P. Feedwater Heater #3	TN	1	11.85	23.70	207.90	4,927	0.00	0	120.00	2,844
H.P. Feedwater Heater #4	TN	1	15.10	30.20	207.90	6,279	0.00	0	120.00	3,624
H.P. Feedwater Heater #5	TN	1	18.30	36.60	207.90	7,609	0.00	0	120.00	4,392
H.P. Feedwater Heater #6	TN	1	56.85	113.70	207.90	23,638	0.00	0	120.00	13,644
H.P. Feedwater Heater #7	TN	1	77.60	155.20	207.90	32,266	0.00	0	120.00	18,624
Boiler Feed Pumps (including motors)	TN	2	27.00	108.00	207.90	22,453	0.00	0	120.00	12,960
Condensate Storage Tank - 150,000 gl	TN	1	41.25	82.50	207.90	17,152	0.00	0	120.00	9,900
Condensate Recovery Cooler	TN	1	0.83	1.66	447.30	743	0.00	0	120.00	199
Condensate Recovery Vent Condenser	TN	1	1.40	2.80	277.20	776	0.00	0	120.00	336
Condensate Recovery Tank - 3,900gl	TN	1	3.00	6.00	277.20	1,663	0.00	0	120.00	720
Condensate Recovery Flash Tank - 515	TN	1	0.50	1.00	447.30	447	0.00	0	120.00	120
Heater Drain Pump	TN	1	0.65	1.30	447.30	581	0.00	0	120.00	156

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Blow Down Tank - 1,700gl	TN	1	1.00	2.00	277.20	554	0.00	0	120.00	240
Cooling Water Pumps	TN	4	1.55	12.40	277.20	3,437	0.00	0	120.00	1,488
Cooling Water Heat Exchanger	TN	2	18.05	72.20	207.90	15,010	0.00	0	120.00	8,664
Cooling Water Surge Tank - 564gl	TN	1	0.50	1.00	447.30	447	0.00	0	120.00	120
Chemical Feed System	TN	1	1.50	3.00	277.20	832	0.00	0	120.00	360
Subtotal						155,011		0		87,739
Boiler Plant Piping										
Main Steam Piping	TN	1	297.52	595.04	277.20	164,945	0.00	0	120.00	71,405
Hot Reheat Piping	TN	1	73.60	147.20	277.20	40,804	0.00	0	120.00	17,664
Cold Reheat Piping	TN	1	88.08	176.16	277.20	48,832	0.00	0	120.00	21,139
Condensate Piping	TN	1	399.72	799.44	277.20	221,605	0.00	0	120.00	95,933
Extraction Steam Piping	TN	1	135.45	270.90	277.20	75,093	0.00	0	120.00	32,508
Boiler Feed Piping	TN	1	96.98	193.96	277.20	53,766	0.00	0	120.00	23,275
Air Evacuation Piping	TN	1	9.77	19.54	277.20	5,416	0.00	0	120.00	2,345
Instrument Piping	TN	1	26.50	53.00	277.20	14,692	0.00	0	120.00	6,360
Saturated Auxiliary Steam Piping	TN	1	28.65	57.30	277.20	15,884	0.00	0	120.00	6,876
Closed Cooling Water Piping	TN	1	60.71	121.42	277.20	33,658	0.00	0	120.00	14,570
Miscellaneous Piping	TN	1	9.79	19.58	277.20	5,428	0.00	0	120.00	2,350
Pipe Insulation	CY	1	747.00	533.57	63.00	33,615	31.00	16,541	0.00	0
Pipe Insulation - Calcium Silicate	CY	1	900.00	1,800.00	63.00	113,400	31.00	55,800	0.00	0
Subtotal						827,136		72,341		294,425
Induced Draft Equipment										
Insulation	CY	1	325.00	232.14	63.00	14,625	31.00	26,350	0.00	0
Insulation	CY	1	425.00	850.00	63.00	53,550	31.00	59,520	0.00	0
Stacks	CY	1	960.00	1,920.00	81.60	156,672	134.00	257,280	0.00	0
Dust Collectors	TN	2	87.00	348.00	207.90	72,349	0.00	0	120.00	41,760
Gas Ducts	TN	1	386.00	772.00	207.90	160,499	0.00	0	120.00	92,640
Breeching	TN	1	120.00	240.00	207.90	49,896	0.00	0	120.00	28,800
Subtotal						507,591		343,150		163,200
Miscellaneous Steel & Equipment	TN	1	514.00	514.00	447.30	229,912	0.00	0	120.00	61,680
Total Account 312						4,731,363		955,112		2,240,981
FERC Account 314										
Turbo-Generator Units										
Pedestal Concrete	CY	1	1,725.50	3,451.00	81.60	281,602	134.00	462,434	0.00	0
Inserts & Anchor Bolts	TN	1	10.85	21.70	277.20	6,015	0.00	0	120.00	2,604
Turbo-Generator Unit	TN	1	648.00	1,296.00	157.50	204,120	0.00	0	120.00	155,520
Turbine Copper	TN	1	50.00	100.00	617.40	61,740	0.00	0	5,000.00	500,000
Turbine Piping	TN	1	260.00	520.00	756.00	393,120	0.00	0	120.00	62,400
Turbine Insulation	CY	1	700.00	500.00	63.00	31,500	31.00	15,500	0.00	0
Subtotal						978,097		477,934		720,524
Condensers and Auxiliaries										
Condenser Shell	TN	1	867.50	1,735.00	207.90	360,707	0.00	0	120.00	208,200
Condenser - Aluminum-Brass Tubes	TN	1	214.50	429.00	277.20	118,919	0.00	0	2,800.00	1,201,200
Circulating Water Pumps	TN	2	70.54	282.16	207.90	58,661	0.00	0	120.00	33,859

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Butterfly Valves	TN	2	8.00	32.00	277.20	8,870	0.00	0	120.00	3,840
Condensate Pumps	TN	2	15.08	60.32	207.90	12,541	0.00	0	120.00	7,238
Lube Oil System	TN	1	23.50	47.00	277.20	13,028	0.00	0	120.00	5,640
Subtotal						572,726		0		1,459,978
Miscellaneous Steel & Equipment	TN	1	117.36	117.36	447.30	52,495	0.00	0	120.00	14,083
Total Account 314						1,603,318		477,934		2,194,585
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Manholes & Handholes	CY	1	85.00	170.00	81.60	13,872	134.00	22,780	0.00	0
Manhole & Handhole Frames and Cove	TN	1	2.19	4.38	447.30	1,959	0.00	0	120.00	526
Equipment Foundations - Concrete	CY	1	185.00	370.00	81.60	30,192	134.00	49,580	0.00	0
Subtotal						46,023		72,360		526
Conduit, Insulators & Conductors										
Concrete	CY	1	705.00	1,410.00	81.60	115,056	134.00	188,940	0.00	0
Conduit	TN	1	18.74	37.48	447.30	16,765	0.00	0	120.00	4,498
Generator Leads & Copper Tube	TN	1	22.24	44.48	756.00	33,627	0.00	0	5,000.00	222,400
Power & Control Wiring	TN	1	202.10	404.20	756.00	305,575	0.00	0	2,100.00	848,820
Cable Trays	TN	1	5.12	5.12	447.30	2,290	0.00	0	120.00	614
Subtotal						473,313		188,940		1,076,332
Switching, Control & Protective Equipment										
Aux Power Transformer	TN	1	59.40	118.80	207.90	24,699	0.00	0	120.00	14,256
Instrument Transformers	TN	3	0.60	3.60	447.30	1,610	0.00	0	120.00	432
Transformer Copper	TN	1	24.00	24.00	466.20	11,189	0.00	0	5,000.00	120,000
Switchgear - 4160v Metalclad	TN	1	40.00	80.00	207.90	16,632	0.00	0	120.00	9,600
Switchgear - 480v Metalclad	TN	2	18.00	72.00	207.90	14,969	0.00	0	120.00	8,640
Station Grounding System	TN	1	6.08	6.08	447.30	2,720	0.00	0	120.00	730
Subtotal						71,818		0		153,658
Total Account 315						591,154		261,300		1,230,515
FERC Account 316										
Miscellaneous Power Plant Equipment										
Air Compressor	TN	2	4.50	18.00	277.20	4,990	0.00	0	120.00	2,160
Service Air Piping	TN	1	6.55	13.10	447.30	5,860	0.00	0	120.00	1,572
Total Account 316						10,849		0		3,732
TOTAL TURKEY POINT UNITS 1 & 2						8,887,356		3,877,742		5,940,130
TOTAL TURKEY POINT COMMON, UNITS 1 & 2						9,735,367		6,517,543		6,436,348

Turkey Point Unit 5
Account 341: Structures and Improvements

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TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Lighting and Fire Protection Systems										
Yard Lighting	TN	1	11000	5.50	447.30	2,460	0.00	0	120.00	660
Plant Lighting	TN	1	4,000	2.00	447.30	895	0.00	0	120.00	240
Fire Protection System Foundation	CY	1,325	0.04	53.00	81.60	4,325	134.00	7,102	0.00	0
Sanitary Sewer Piping Foundations	CY	1,230	0.014814815	18.22	81.60	1,487	134.00	2,442	0.00	0
						9,166		9,544		900
Power Block										
Power Block - Structural Steel	TN	1,044		1,044.00	207.90	217,048	0.00	0	120.00	125,280
Base Plates	TN	4	160,000	80.00	207.90	16,632	0.00	0	120.00	9,600
Power Block - Handrail, Toeblock, Misc.	TN	2	20,000	10.00	447.30	4,473	0.00	0	120.00	1,200
Power Block - Decking	TN	80,000	1200000	600.00	447.30	268,380	0.00	0	120.00	72,000
Power Block - Ladders, Stairs & Platforms	TN	100		100.00	447.30	44,730	0.00	0	120.00	12,000
HRSG Structural/Ductwork	TN	4	1,680,400	840.20	277.20	232,903	0.00	0	120.00	100,824
Power Block Grade Slab Concrete	CY	1,400		1,400.00	81.60	114,240	134.00	187,600	0.00	0
Power Block Structure Foundation Concrel	CY	1,700		1,700.00	81.60	138,720	134.00	227,800	0.00	0
Power Block Elevated Slabs	CY	350		350.00	81.60	28,560	134.00	46,900	0.00	0
HRSG Analyzer Building	CY	300		200.00	81.60	16,320	134.00	26,800	0.00	0
HRSG DCS Building	CY	350	0.22	77.78	81.60	6,347	134.00	10,422	0.00	0
						1,088,353		499,522		320,904
Open Cooling Water System										
OCW System 2" & < - Pipe	TN	450	1350	0.68	277.20	187	0.00	0	120.00	81
OCW System 2 1/2" & > - Pipe	TN	1,500	165000	82.50	207.90	17,152	0.00	0	120.00	9,900
OCW Duplex Basket Strainers	TN	4	1200	0.60	277.20	166	0.00	0	120.00	72
Open Cooling Water Pumps	TN	4	94400	47.20	207.90	9,813	0.00	0	120.00	5,664
Open Cooling Water Booster Pumps	TN	3	19,605	9.80	207.90	2,038	0.00	0	120.00	1,176
						29,356		0		16,893
Pond Water System										
Pond Water System 2" & < - Pipe	TN	330	990	0.50	277.20	137	0.00	0	120.00	59
Pond Water System 2 1/2" & > - Pipe	TN	1,225	12250	6.13	207.90	1,273	0.00	0	120.00	735
Pond Water Booster Pumps	TN	2	13,070	6.54	207.90	1,359	0.00	0	120.00	784
						2,769		0		1,579
Water Treatment System										
Service Water System 2" & < - Pipe	TN	2,800	8400	4.20	207.90	1,164	0.00	0	120.00	504
Service Water System 2 1/2" & > - Pipe	TN	900	9000	4.50	207.90	367	0.00	0	120.00	540
Service Water Pumps	TN	4	4540	2.27	277.20	629	0.00	0	120.00	272
HRSG Blowdown Tank Sump	CY	200		200.00	81.60	16,320	134.00	26,800	0.00	0
Wastewater System 2" & < - Pipe	TN	1,230	3690	1.85	277.20	511	0.00	0	120.00	221
Power Block Drainage Pipe Foundations	CY	4,290	0.02962963	127.11	30.24	3,844	134.00	17,033	0.00	0
Wastewater System 2 1/2" & > - Pipe	TN	15,600	468000	234.00	207.90	48,649	0.00	0	120.00	28,080
Sump Pumps	TN	42	21000	10.50	207.90	2,183	0.00	0	120.00	1,260
Miscellaneous Equipment	TN	12	6000	3.00	207.90	624	0.00	0	120.00	360
Potable Water System	CY	2,000	0.014814815	29.63	30.24	896	134.00	3,970	0.00	0
Pipe Rack Drilled Piers - Concrete	CY	900		900.00	81.60	73,440	134.00	120,600	0.00	0
						148,627		168,403		31,238

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Account 341 Totals:						1,278,272		677,469		371,514
Account 342: Fuel Holders, Producers and Accessories										
Gas System										
Natural Gas System 2" & < - Pipe	TN	33	99	0.05	277.20	14	0.00	0	120.00	6
Gas Piping	TN	2,000	220000	110.00	277.20	30,492	0.00	0	120.00	13,200
Natural Gas System 2 1/2" & > - Pipe	TN	500	55000	27.50	207.90	5,717	0.00	0	120.00	3,300
Liquid Fuel System 2 1/2" & > - Pipe	TN	2,500	75000	37.50	207.90	7,796	0.00	0	120.00	4,500
Account 342 Totals:						44,019		0		21,006
Acount 343: Prime Movers										
HRSG Foundation	CY	404		404.00	81.60	32,966	134.00	54,136	0.00	0
HRSG Mechanical	TN	4	1,270,400	635.20	157.50	100,044	0.00	0	120.00	76,224
Mechanical Finishes - Casings	TN	1	132,900	66.45	207.90	13,815	0.00	0	120.00	7,974
Modules - Unit 5	TN	4	18,805,200	9,402.60	157.50	1,480,910	0.00	0	120.00	1,128,312
HRSG Blowdown System 2 1/2" & > - Pipe	TN	800	56000	28.00	207.90	5,821	0.00	0	120.00	3,360
Electrical & Controls	TN	2	110,000	55.00	277.20	15,246	0.00	0	120.00	6,600
						1,648,802		54,136		1,222,470
Feedwater System										
Feedwater System 2" & < - Pipe	TN	3,000	9000	4.50	277.20	1,247	0.00	0	120.00	540
Feedwater System 2 1/2" & > - Pipe	TN	2,500	175000	87.50	207.90	18,191	0.00	0	120.00	10,500
HRSG HP Feedwater Pumps	TN	3	111,600	55.80	207.90	11,601	0.00	0	120.00	6,698
HRSG LP Feedwater Pumps	TN	3	111,600	55.80	207.90	11,601	0.00	0	120.00	6,696
HRSG Feed Pump Foudations Concrete	CY	300		300.00	81.60	24,480	134.00	40,200	0.00	0
H P Feed Pumps - Insulation	CY	1,200	0.037037037	44.44	63.00	2,800	31.00	1,378	0.00	0
L P Feed Pumps - Insulation	CY	900	0.04	33.33	63.00	2,100	31.00	1,033	0.00	0
U/B Feedwater Piping - Insulation	CY	2,547	0.04	94.33	63.00	5,943	31.00	2,924	0.00	0
						77,963		45,535		24,432
Combustion Turbine										
Combustion Turbine Fdn Concrete	CY	900		900.00	81.60	73,440	134.00	120,600	0.00	0
Condensate Pump Casings	TN	4	2,000	1.00	277.20	277	0.00	0	120.00	120
Miscellaneous Mechanical Equipment Fdn	CY	100		100.00	81.60	8,160	134.00	13,400	0.00	0
C.T. Skid Mounted Equipment Fdn Concre	CY	150		150.00	81.60	12,240	134.00	20,100	0.00	0
C.T. 5 Combustion Turbine	TN	4	1,508,000	754.00	157.50	118,755	0.00	0	120.00	90,480
C.T. 5 Insulation	CY	4	29	115.56	63.00	7,280	31.00	3,582	0.00	0
C.T. Interconnect Pipe 2 1/2" & > - Pipe	TN	6,100	427000	213.50	207.90	44,387	0.00	0	120.00	25,620
C.T. Interconnect Pipe 2 " & < - Pipe	TN	13,000	39000	19.50	277.20	5,405	0.00	0	120.00	2,340
						269,944		157,682		118,560
Main Steam System										
Main Steam System 2 1/2" & > Pipe	TN	7,500	3375000	1,687.50	207.90	350,831	0.00	0	120.00	202,500
U/B Main Steam Piping - Insulation	CY	5,600	0.04	217.78	63.00	13,720	31.00	6,751	0.00	0
Aux Boiler System 2" & < - Pipe	TN	1,000	3000	1.50	277.20	416	0.00	0	120.00	180
Aux Boiler System 2 1/2" & > - Pipe	TN	400	12000	6.00	207.90	1,247	0.00	0	120.00	720
U/B Auxiliary Boiler Piping - Insulation	CY	900	0.02	15.00	63.00	945	31.00	465	0.00	0

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

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L/B B.O.P. Piping - Insulation	CY	450	0.02	7.50	63.00	473	31.00	233	0.00	0
						367,632		7,449		203,400
Blowdown System										
HRSG Blowdown System 2" & Under - Pip	TN	900	2700	1.35	277.20	374	0.00	0	120.00	162
HRSG Blowdown Tanks	TN	4	18,960	9.48	207.90	1,971	0.00	0	120.00	1,138
Main Steam DrainTanks	TN	4	11500	5.75	207.90	1,195	0.00	0	120.00	690
HRSG Blowdown Tanks - Insulation	CY	600	0.011111111	6.67	63.00	420	31.00	207	0.00	0
Steam Drain Tanks - Insulation	CY	1,200	0.01	13.33	63.00	840	31.00	413	0.00	0
Mechanical Finishes - Insulation	CY	1	100	100.00	63.00	6,300	31.00	3,100	0.00	0
						11,101		3,720		1,990
Steam Turbine										
Steam Turbines - Insulation	CY	1,080	0.04	40.00	63.00	2,520	31.00	1,240	0.00	0
Main Steam System 2" & < - Pipe	TN	5,100	30600	15.30	277.20	4,241	0.00	0	120.00	1,836
Steam Turbine Base Plates	TN	2	100,000	50.00	157.50	7,875	0.00	0	120.00	6,000
Steam Turbine & Accessories	LT	2	700,000	350.00	171.60	60,060	0.00	0	120.00	42,000
Hydraulic Power Unit	LT	2	6,000	3.00	171.60	515	0.00	0	120.00	360
Instrument Tubing	TN	25,000	12500	6.25	277.20	1,733	0.00	0	120.00	750
						76,943		1,240		50,946
Condensate System										
Condensate System 2" & < - Pipe	TN	2,500	7,500	3.75	277.20	1,040	0.00	0	120.00	450
Condensate System 2 1/2" & > - Pipe	TN	3,000	330,000	165.00	207.90	34,304	0.00	0	120.00	19,800
L/B Condensate Piping - Insulation	CY	4,000	0	66.67	63.00	4,200	31.00	2,067	0.00	0
Condenser Vacuum Pump Skid & Equip	TN	2	5,000	2.50	207.90	520	0.00	0	120.00	300
Condensate Storage Tank Fdn	CY	280		280.00	81.60	22,848	134.00	37,520	0.00	0
Condensate Make-Up Pumps	TN	2	3,000	1.50	207.90	312	0.00	0	120.00	180
HRSG Chemical Fd. System 2" & < - Pipe	TN	1,300	3,900	1.95	277.20	541	0.00	0	120.00	234
HRSG Chemical Feed Skids	TN	2	30,000	15.00	207.90	3,119	0.00	0	120.00	1,800
Lube Oil Storage Tanks	TN	2	13,040	6.52	207.90	1,356	0.00	0	120.00	782
Miscellaneous Process Tanks	TN	4	21,200	10.60	207.90	2,204	0.00	0	120.00	1,272
CondensateTransfer System 2" & < - Pip	TN	2,500	7,500	3.75	277.20	1,040	0.00	0	120.00	450
CondensateTransfer System 2 1/2" & > -	TN	6,500	195,000	97.50	207.90	20,270	0.00	0	120.00	11,700
Condensate Pumps	TN	4	125,600	62.80	207.90	13,056	0.00	0	120.00	7,536
Condensate Transfer Pumps	TN	4	9,560	4.78	207.90	994	0.00	0	120.00	574
Condensate Storage Tanks	TN	2	4,780	2.39	207.90	497	0.00	0	120.00	287
Bulk Gas System 2" & < - Pipe	TN	7,000	21,000	10.50	277.20	2,911	0.00	0	120.00	1,260
Condensers	TN	2	665,000	332.50	207.90	69,127	0.00	0	2,000.00	665,000
Gland Steam Condensers	TN	2	10,000	5.00	207.90	1,040	0.00	0	120.00	600
Condensate Air Rem System 2" & < - Pi	TN	1,500	4,500	2.25	277.20	624	0.00	0	120.00	270
Condensate Air Rem System 2 1/2" & > -	TN	400	12,000	6.00	207.90	1,247	0.00	0	120.00	720
						181,245		39,587		713,215
Circulating Water System										
Circulating Water System 2" & < - Pipe	TN	749	2245.5	1.12	277.20	311	0.00	0	120.00	135
Circulating Water System 2 1/2" & > - Pi	TN	159	4770	2.39	207.90	496	0.00	0	120.00	286
L/B Circulating Water Piping - Insulation	CY	8	3.50	28.00	63.00	1,764	31.00	868	0.00	0
Circulating Water Pumps	TN	2	95,950	47.98	277.20	13,299	0.00	0	120.00	5,757
C W Chem Tr System 2" & < - Pipe	TN	500	1500	0.75	277.20	208	0.00	0	120.00	90

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

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24" Diameter ICW Pipe	CY	100	0.44	44.44	312.80	13,902	134.00	5,956	0.00	0
84" Diameter ICW Pipe	CY	400	1.56	622.22	312.80	194,631	134.00	83,378	0.00	0
Concrete - Cofferdam Area	CY	350		350.00	30.24	10,584	134.00	46,900	0.00	0
66" Diameter Inground CW Pipe	CY	20	1.22	24.44	312.80	7,646	134.00	3,276	0.00	0
						242,841		140,377		6,268
Screen Wash System										
Intake Bar Rack & Cleaning Rake	TN	2	10,000	5.00	277.20	1,386	0.00	0	120.00	600
Intake Traveling Screens	TN	2	64,000	32.00	277.20	8,870	0.00	0	120.00	3,840
Screen Wash Bubbler System Equipment	TN	2	2000	1.00	277.20	277	0.00	0	120.00	120
Screen Wash System 2" & < - Pipe	TN	60	180	0.09	277.20	25	0.00	0	120.00	11
Screen Wash System 2 1/2" & > - Pipe	TN	320	3200	1.60	207.90	333	0.00	0	120.00	192
Screen Wash Pumps	TN	2	3080	1.54	207.90	320	0.00	0	120.00	185
						11,211		0		4,948
HRSG Stack										
HRSG Stack Foundation Concrete	CY	700		700.00	81.60	57,120	134.00	93,800	0.00	0
Stacks - Unit 5	TN	4	1,054,000	527.00	207.90	109,563	0.00	0	120.00	63,240
Gland Steam Condenser - Insulation	CY	150	0.333333333	50.00	63.00	3,150	31.00	1,550	0.00	0
						169,833		95,350		63,240
Lube Oil System										
Lube Oil System - 2" & < Pipe	TN	2,000	6000	3.00	277.20	832	0.00	0	120.00	360
Lube Oil System - 2 1/2" & > Pipe	TN	350	10500	5.25	207.90	1,091	0.00	0	120.00	630
Lube Oil Transfer/Return Pumps	TN	2	3,000	1.50	207.90	312	0.00	0	120.00	180
S.T. Lube Oil Reservoir	TN	2	20,000	10.00	207.90	2,079	0.00	0	120.00	1,200
Turbo Lube Oil Conditioner	TN	2	4000	2.00	207.90	416	0.00	0	120.00	240
						4,730		0		2,610
Cranes and Hoists										
Miscellaneous Monorails & Hoists	TN	15	75000	37.50	277.20	10,395	0.00	0	120.00	4,500
Combustion Turbine										
Combustion Turbine Fdn Mat Concrete	CY	1	2,682	2,682.00	81.60	218,851	134.00	359,388	0.00	0
Condensate Pump Caings	TN	4	2,000	4.00	207.90	832	0.00	0	120.00	480
Misc. Mechanical Equipment Fdn Concrete	CY	1	300	300.00	81.60	24,480	134.00	40,200	0.00	0
CT Equipment Fdn Concrete Pads	CY	1	450	450.00	81.60	36,720	134.00	60,300	0.00	0
C.T. 8 Combustion Turbine	TN	4	377,000	754.00	157.50	118,755	0.00	0	120.00	90,480
CT 8 Insulation	CY	1	180	180.00	63.00	11,340	134.00	24,120	0.00	0
C.T. Interconnect Pipe 1 1/2" & >	TN	1	210	210.00	207.90	43,659	0.00	0	120.00	25,200
C.T. Interconnect Pipe 1 1/2" & <	TN	1	10	9.50	207.90	1,975	0.00	0	120.00	1,140
						456,612		484,008		117,300
Closed Cooling Water System										
Closed Cooling Water Heat Exchanger	TN	2	58,676	29.34	277.20	8,132	0.00	0	120.00	3,521
CCW System 2 " & < - Pipe	TN	3,678	11034	5.52	277.20	1,529	0.00	0	120.00	662
CCW System 2 1/2" & > - Pipe	TN	4,868	146040	73.02	207.90	15,181	0.00	0	120.00	8,762
Closed Cooling Water Pumps	TN	3	9750	4.88	207.90	1,014	0.00	0	120.00	585

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TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
						25,856		0		13,530
Account 343 Totals						3,555,109		1,029,084		2,547,408
Account 344: Generators										
Steam Turbine Foundation Mat Concrete	CY	1,200		1,200.00	81.60	97,920	134.00	160,800	0.00	0
Steam Turbine Pedestal Concrete	CY	920		920.00	81.60	75,072	134.00	123,280	0.00	0
C.T. 5 Generator	TN	4	1,256,000	628.00	157.50	98,910	0.00	0	120.00	75,360
Generator Copper	TN	5	180,000	90.00	617.40	55,566	0.00	0	5,000.00	450,000
Generator	TN	5	2,000,000	1,000.00	157.50	157,500	0.00	0	120.00	120,000
						484,968		284,080		645,360
Cooling Tower										
Cooling Tower	TN	1	1,360.00	1,360.00	447.30	608,328	0.00	0	120.00	163,200
Reinf Conc	CY	1	553.32	553.32	81.60	45,151	134.00	74,145	0.00	0
Subtotal						653,479		74,145		163,200
Account 344 Totals						1,138,447		358,225		808,560
Account 345: Accessory Electric Equipment										
Electrical Power Cable	TN	2	5	10.00	277.20	2,772	0.00	0	2,100.00	21,000
Electrical Control Cable	TN	2	3	5.00	277.20	1,386	0.00	0	2,100.00	10,500
Station Transformer	TN	2	39	77.00	277.20	21,344	0.00	0	120.00	9,240
CT Step-up Transformer	TN	2	47	93.12	277.20	25,813	0.00	0	120.00	11,174
Control Center-off base	TN	2	27	54.00	277.20	14,969	0.00	0	120.00	6,480
Miscellaneous Materials + 5%	TN	1	1,987	11.96	277.20	3,314	0.00	0	120.00	1,435
						69,598		0		59,829
Excitation Equipment										
Generator Excitation Power Transformers	TN	5	125,000	62.50	207.90	17,325	0.00	0	120.00	7,500
Transformer Copper	TN	1	25	25.00	466.20	11,655	0.00	0	5,000.00	125,000
Instrumentation	TN	1,500	30000	15.00	277.20	1,224	0.00	0	120.00	1,800
						30,204		0		134,300
Electrical Equipment										
Electrical Equipment Pads Concrete	CY	125		125.00	81.60	10,200	134.00	16,750	0.00	0
Uninterruptible Power Supply	TN	1	1000	0.50	277.20	139	0.00	0	120.00	60
Station Battery Charger & Panels	TN	2	12,000	6.00	277.20	1,663	0.00	0	120.00	720
Grounding & Cathodic Protection	TN	5	275,000	137.50	277.20	38,115	0.00	0	120.00	16,500
Grounding Grid (Incl. Pads Rods)	TN	22,135	11067.5	5.53	277.20	1,534	0.00	0	120.00	664
Lightning Protection	TN	1	5000	2.50	277.20	693	0.00	0	120.00	300
Embedded Conduits Foundations	CY	75,000	0.006	444.44	81.60	36,267	134.00	59,556	0.00	0
Power & Control Conduits	TN	131592	328980	164.49	277.20	45,597	0.00	0	120.00	19,739
Cable Tray	TN	18259.5	456487.5	228.24	277.20	63,269	0.00	0	120.00	27,389
Concrete Duct Banks	CY	3,000		3,000.00	81.60	244,800	134.00	402,000	0.00	0
Electrical Manholes	CY	23	2.8	62.50	30.24	1,890	134.00	8,375	0.00	0
Isophase Bus	TN	2,250	90000	45.00	277.20	12,474	0.00	0	120.00	5,400
Main Control Boards	TN	2	13.3	20.00	277.20	5,544	0.00	0	120.00	2,400

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Miscellaneous Relay Panels	TN	18	0.296296296	5.33	277.20	1,478	0.00	0	120.00	640
Instrument Racks	TN	162	32400	16.20	277.20	4,491	0.00	0	120.00	1,944
Annunciators	TN	1	5	5.00	277.20	1,386	0.00	0	120.00	600
Miscellaneous Power Transformers	TN	1	55,000	27.50	277.20	7,623	0.00	0	120.00	3,300
208/120V AC Distribution Panels	TN	3	0.296296296	0.89	277.20	246	0.00	0	120.00	107
Load Centers	TN	3	15,000	7.50	277.20	2,079	0.00	0	120.00	900
Motor Control Centers	TN	17	85,000	42.50	277.20	11,781	0.00	0	120.00	5,100
Distribution Panels	TN	3	0.296296296	3.30	277.20	915	0.00	0	120.00	396
Power Cable - 8KV	TN	86514	181938.942	90.97	756.00	68,773	0.00	0	2,100.00	191,036
Power Cable - Medium Voltage	TN	304187	91255.95	45.63	756.00	34,495	0.00	0	2,100.00	95,819
Electrical Switchgear Foundation Concrete	CY	882		882.00	81.60	71,971	134.00	118,188	0.00	0
Non-Seg Bus	TN	889	35,560	17.78	277.20	4,929	0.00	0	120.00	2,134
4.16 KV Switchgear	TN	3	15,000	7.50	277.20	2,079	0.00	0	120.00	900
Control Cable	TN	689268	48248.76	24.12	756.00	18,238	0.00	0	2,100.00	50,661
Instrumentation Cable	TN	393974	19698.6965	9.85	756.00	7,446	0.00	0	2,100.00	20,684
Distributed Control System	TN	2	10,000	5.00	277.20	1,386	0.00	0	120.00	600
						701,500		604,869		447,992
Account 345 Totals						801,302		604,869		642,121
Account 346: Miscellaneous Plant Equipment										
Compressed Air Piping	TN	10,028	30084.6	15.04	277.20	4,170	0.00	0	120.00	1,805
Instrument Air System 2" & < Pipe	TN	136	407.4	0.20	277.20	56	0.00	0	120.00	24
Service Air System 2" & < Pipe	TN	2,660	7980	3.99	277.20	1,106	0.00	0	120.00	479
Instrument Air System 2 1/2" & > Pipe	TN	438	4382	2.19	277.20	607	0.00	0	120.00	263
Service Air System 2 1/2" & > Pipe	TN	548	5475	2.74	277.20	759	0.00	0	120.00	329
Instrument Air Compressors, Rec, & Drye	TN	2	27,180	13.59	277.20	3,767	0.00	0	120.00	1,631
Plant Communications & Phones	TN	2	6,000	3.00	277.20	832	0.00	0	120.00	360
Heat Tracing	TN	2	3750	1.88	277.20	520	0.00	0	120.00	225
Fire Protection/Detection Equipment	TN	2	7,500	3.75	277.20	1,040	0.00	0	120.00	450
Miscellaneous Electrical Items	TN	2		20.00	277.20	5,544	0.00	0	120.00	2,400
Account 346 Totals						18,400		0		7,966
Unit 5 Totals						6,835,550		2,669,647		4,398,574
						16,570,917		9,187,190		10,834,922

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St. Lucie Wind Turbines

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St. Lucie Wind Turbines

The site of St. Lucie Wind Turbines is Hutchinson Island in St. Lucie County. The facility is projected to go in-service in 2011.

The project will consist of six wind turbines on FPL property and will generate up to 13.8 MW of clean renewable wind energy for more than 3,600 residents. Each turbine is a 2.3 MW Siemens wind turbine weighing approximately 90 tons and on a concrete foundation using about 400 cubic yards.

This filing is the first time that Florida Power & Light has requested dismantlement accruals for this St Lucie Wind Turbines facility.

Due to the early stage of construction of the St. Lucie wind turbines station, the equipment list and related information used for the development of its dismantlement calculation is not, at this point, definitive and will need to be updated and improved upon in future dismantlement studies. This dismantlement cost estimate includes only the cost to dismantle and remove the concrete foundations and the turbines themselves.

The economic recovery date used to calculate the dismantlement accrual for this wind turbines energy center is 25 years from the study year, or 2034. The dismantlement of the facility is assumed to require two years beginning in 2039.

ST LUCIE WIND TURBINES SITE DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground sewer and water piping and electrical conduits;

Scrap will be unprepared, i.e., cut only to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins due to such causes as equipment failure and weather delays.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

It is assumed that dismantlement activity of the St. Lucie Wind Turbines will begin five years after the economic recovery date. The economic recovery dates used for this assumption are as follows:

Units	Economic Recovery Date
St. Lucie Wind Turbines	2034

It is assumed that any insulation material used for the St. Lucie Wind Turbines will not be hazardous material.

ST LUCIE WIND TURBINES
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	St. Lucie Wind Turbines				
	Production Plant				
341	Structures and Improvements	195,840	199,200	0	395,040
343	Prime Movers	149,688	0	64,800	84,888
	Subtotal	345,528	199,200	64,800	479,928
	Total Wind Turbines Equipment	345,528	199,200	64,800	479,928
	Contingency - 16%	55,284	31,872		87,156
	Total Wind Turbines Equipment	400,812	231,072	64,800	567,084

ST LUCIE WIND TURBINES
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
St. Lucie Wind Turbines	240,487	160,325	231,072	64,800	567,084
Total	240,487	160,325	231,072	64,800	567,084

Labor is 60% of Removal Cost from Summary of Dismantlement Costs.
Material & Equipment is 40% of Removal Cost from Summary of Dismantlement Costs.
Burial is 100% of Disposal Cost from Summary of Dismantlement Costs.
Salvage is 100% of Salvage from Summary of Dismantlement Costs.

ST LUCIE WIND TURBINES DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the PSL Wind Turbines. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$33.05	X	6	=	$198.33
Foreman	$41.96	X	1	=	$41.96
Heavy Equipment Operator	$39.99	X	1	=	$39.99
Total Cost per hour of 8 man crew					$280.28
Cost per man hour		$280.28	/ 8	=	$35.04

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator	31,395.00
Front End Loader	6,234.15
Cutting Equipment	231.75
Total per month	37,860.90

37,860.90 / 176 hours per month = 215.12

Cost per man hour	$215.12 / 8	=	$26.89
Plus: amount for small tools			1.00
Total Cost per man hour			$27.89

ST LUCIE WIND TURBINES DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$35.04
Equipment	27.89
Total	$62.93
Rounded	$63.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$68.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$63.00	2.50 MH / Ton	$157.50 / Ton
Heavy Steel (2)	$63.00	3.30 MH / Ton	$207.90 / Ton
General Steel	$63.00	4.40 MH / Ton	$277.20 / Ton
Light Steel	$63.00	7.10 MH / Ton	$447.30 / Ton
Concrete	$68.00	0.48 MH / CY	$32.64 / CY
Reinforced Concrete	$68.00	1.20 MH / CY	$81.60 / CY
Copper-Elect. Cable & Generator Leads	$63.00	12.00 MH / Ton	$756.00 / Ton
Copper - Generator	$63.00	9.80 MH / Ton	$617.40 / Ton
Copper - Transformer	$63.00	7.40 MH / Ton	$466.20 / Ton
General Insulation	$63.00	1.00 MH / CY	$63.00 / CY
Inground Pipe-Metal(3)	$63.00	6.00 MH / Ton	$378.00 / Ton
Concrete Pipe	$68.00	4.60 MH / Ton	$312.80 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Martin County Solid Waste Facility. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of $30/ton and per haul charges were obtained from Waste Management. The per haul charges are $395.00 per haul for a 20 cubic yard dumpster (5 tons deductible) and $475.00 per haul for a 30 cubic yard dumpster (7 tons deductible).

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located appropriately in the detailed spreadsheet.

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

ST LUCIE WIND TURBINES DISMANTLEMENT STUDY

Dumpster Cost	$395.00	/ haul	X	1 haul	=	395.00
Tipping Fees	$30.00	/ ton	X	25.5 tons	=	765.00
Total Cost per round Trip						1,160.00
Cost per Cubic Yard	$1,160.00	/ 15.38 cubic yards =				$75.42
Plus 10% contractor profit						7.54
Total Cost per Cubic Yard						$82.96
Rounded Cost per Cubic Yard						$83.00

Insulation - Calcium Silicate (Non-Hazardous)

A trailer with a 30 cubic yard capacity is used for calcium silicate insulation. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons.

Truck Cost	$475.00	/ haul	X	1 haul	=	475.00
Tipping Fees	$30.00	/ ton	X	0 tons	=	0.00
Total Cost per round Trip						475.00
Cost per Cubic Yard	$475.00	/ 27 cubic yards =				$17.59
Plus 10% contractor profit						1.76
Total Cost per Cubic Yard						$19.35
Rounded Cost per Cubic Yard						$19.00

ST LUCIE WIND TURBINES DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

ST. LUCIE WIND TURBINES

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure Per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
WIND TURBINES										
FERC Account 341- Structures & Improvements										
Concrete Base	CY	6	400.00	2,400.00	81.60	195,840	83.00	199,200	0.00	0
FERC Account 343 - Prime Movers										
Siemens 2.3 MW turbines	TN	6	90.00	540.00	277.20	149,688	0.00	0	120.00	64,800
Total Cost						345,528		199,200		64,800

West County Energy Center

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West County Energy Center (WCEC)

West County Energy Center Units 1 & 2 are natural gas fired generating stations currently under construction. Units 1 & 2 will be completed in 2009. Unit 3 is planned for construction with an expected in-service date of 2011.

The project site is located in Palm Beach County, west of Seminole Pratt-Whitney Road and north of State Road 80 (also known as State Road 441 and US Highway 98).

The three units are configured as 3-on-1, i.e., three combustion turbines to one steam generator. Each unit will produce approximately 1,250 megawatts. The three units are capable of serving the equivalent of 750,000 homes and businesses, using state-of-the-art, natural gas fired combined cycle technology. They will be clean, efficient, reliable and cost effective.

The combustion turbines are Mitsubishi 501G1's (at about 250 MW's each), The Steam Turbines are Toshiba (at about 500 MW's each). The Heat Recovery Steam Generators (HRSG's) are made by Nooter, and the Distributed Control System (DCS) is made by Emerson Ovation.

Initial primary cooling water will come from the Floridan Aquifer and with a transition to Reclaimed Water from Palm Beach County by January 2011. The Aquifer wells will be maintained as a back-up water source.

Combustion controls and selective catalytic reduction (SCR) will minimize emissions. The use of inherently clean natural gas as fuel and combined cycle design will result in one of the cleanest new power plants in the state.

Emergency/back-up fuel will be ultra low sulfur light oil. The site will be served by an extension of Gulfstream's natural gas pipeline. The site is located to a transmission substation and major transmission lines needed to deliver power to urban areas.

As the units are currently under construction, the equipment list used in this study is an approximation of the final list and is subject to review and change in future studies.

For purposes of this dismantlement study, the economic recovery dates for these units are as follows:

Unit [1]	Year
Unit 1	2034
Unit 2	2034
Unit 3	2036

[1] The WCEC generating stations are still under construction and thus have not yet been unitized. Common foundations and equipment have been included in Unit 1's equipment list. In future studies, when these stations will be unitized and Common Plant is identified, the economic recovery date for Common facilities' dismantlement cost will conform to Unit 3's date: 2036.

West County Energy Center (WCEC) [continued]

The dismantlement of these units is assumed to span two years, beginning five years after the economic recovery dates. This is the first time that Florida Power & Light Company has requested dismantlement accruals for the West County Energy Center units.

WEST COUNTY ENERGY CENTER FOSSIL
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	West County Energy Center Units 1 & 2				
	Production Plant				
341	Structures and Improvements	3,509,860	2,350,330	622,993	5,237,196
342	Fuel Holders	72,457	0	35,710	36,747
343	Prime Movers	7,388,371	1,816,156	4,941,900	4,262,627
344	Turbine Generator Equipment	2,112,175	366,665	1,617,120	861,720
345	Accessory Electric Equipment	1,120,989	285,640	1,678,828	(272,199)
346	Miscellaneous Equipment	24,897	0	11,131	13,765
	Subtotal	14,228,748	4,818,791	8,907,683	10,139,856
	Total Units 1 & 2	14,228,748	4,818,791	8,907,683	10,139,856
	West County Common				
	Other Site Costs:				
	Site Management Expenses	847,476			847,476
	Injection Well Cap & Plug		600,000		600,000
	Intake & Discharge Backfill	88,000			88,000
	Grading & Seeding	2,207,599			2,207,599
	Subtotal	3,143,075	600,000	0	3,743,075
	Total	17,371,822	5,418,791	8,907,683	13,882,931
	Contingency 16%	2,779,492	867,007		3,646,498
	West County U 1, 2 & Common	20,151,314	6,285,798	8,907,683	17,529,429
	West County Energy Center Unit 3				
341	Structures and Improvements	1,426,386	815,821	311,497	1,930,710
342	Fuel Holders	36,229	0	17,855	18,373
343	Prime Movers	3,592,207	907,550	2,360,375	2,139,383
344	Turbine Generator Equipment	1,056,087	183,333	808,560	430,860
345	Accessory Electric Equipment	539,229	142,820	637,979	44,070
346	Miscellaneous Equipment	12,448	0	5,566	6,883
	Subtotal	6,662,587	2,049,523	4,141,832	4,570,279
					4,570,279
	Total Dismantlement Cost:	26,813,901	8,335,321	13,049,515	22,099,707

WEST COUNTY ENERGY CENTER FOSSIL
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
West County Energy Units 1, 2 & CM	12,090,788	8,060,526	6,285,798	8,907,683	17,529,429
West County Unit 3	3,997,552	2,665,035	2,049,523	4,141,832	4,570,279
Total	16,088,341	10,725,560	8,335,321	13,049,515	22,099,707

WEST COUNTY ENERGY CENTER DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

FPL will prepare the request for proposal package and solicit bids for the dismantlement effort.

FPL will provide site security during the dismantlement.

FPL will hire a demolition contractor to perform the actual dismantling work. This contractor will have the salvage rights to all plant equipment and structural material.

The land will be made available for future use.

All dismantling work will be done in accordance with OSHA regulations.

All storage tanks will be cleaned and their contents disposed of according to the requirements of current regulations.

The following items will be removed:

a. All structures, equipment, and concrete pads, pedestals, foundations, etc;

b. All underground gas, oil, sewer and water piping and electrical conduits;

c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

Discussions with FPL's Power Generation Division (PGD) indicate that the return of the site to a green field condition entails removal of all structures above the wood pilings and steel-encased concrete pilings. The removal of the pilings would be unfeasible and, therefore, will remain in place.

The turbine pedestals and chimney will be control-blasted.

Scrap will be unprepared, i.e., cut to the extent required to load the pieces on scrap dealers' trailers. Trucking costs for removal are paid by the scrap dealer and are reflected in the salvage value paid.

The estimate does not reflect land value or its resale.

The productivity factors employed are assumed valid for purposes of this study.

A contingency of 16% has been applied to the total removal and disposal costs. This contingency percentage covers costs associated with delays occurring after dismantlement begins due to such causes as equipment failure and weather delays.

The costs of such overhead items as project management, site security, etc., have been estimated by FPL's Construction and Corporate Services Department. These costs are listed on the cost summary pages for each site's dismantlement study.

All materials and equipment are assumed to be either fully salvageable or to be disposed of completely. The availability of powerful cutting shears makes possible the cutting of even the heaviest steel to a size that permits salvage as scrap.

Any unusable materials and supplies inventory will be sold as scrap. Estimated balances of such inventory (with related salvage value) have been included on the cost summary pages for each site's dismantlement study.

A 30% swell factor is used to compute the disposal cost per cubic yard of concrete. One cubic yard of concrete becomes 1.3 cubic yards of concrete rubble after demolition.

WEST COUNTY ENERGY CENTER DISMANTLEMENT ASSUMPTIONS (continued)

The switchyard and ancillary equipment (FERC account 353) will remain in place with the exception of the main power transformers, oil circuit breakers, superstructures, and foundations associated with the tie-in of plant generated power in the switchyard. However, the dismantlement cost of substation equipment is not included in this study so as to avoid duplicating recovery of expense already included in the net salvage factor of the substation plant accounts' depreciation rates.

Injection wells will be plugged, capped and closed.

It is assumed that dismantlement activity at West County Energy Center will begin five years after end of service. The economic recovery dates used for the WCEC Units are as follows:

Unit	Economic Recovery Date
Units 1, 2 and Common	2034
Unit 3	2036

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove hazardous materials; i.e., leads (alkaline), acids, solvents, lubricants, oils, chemicals, and gasses.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines and backfill trenches.
- Remove main steam, hot and cold piping, downcomers, valves, and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove intake and discharge structures, equipment pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS
(Continued)

- Remove gas supply metering site, valve stations, underground distribution system.
- Remove solid and liquid wastes from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove fuel oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

WEST COUNTY ENERGY CENTER DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

Cost factors have been developed to compute the net salvage value of the demolition of the WCEC Plant. The net salvage value of the demolition is the net of: the removal and disposal cost and the salvage value of equipment and steel not disposed of. These factors provide a unit cost or value for removal, disposal and salvage of a given unit of measure of the component materials of which a power plant is constructed. The assumption is that the cost or value per unit of a given component can be multiplied by the quantity of that component in the plant to calculate a total cost or value for removal, disposal, or salvage of that component.

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study are from R.S. Means Construction Data. The crew rate per man-hour is for a crew consisting of six journeymen laborers, one outside foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a crane, an excavator, and a front end loader. The equipment cost is also from R.S. Means, and both equipment and labor are adjusted by the appropriate R.S. Means City Cost Index. (Means provides national average rates for labor and equipment which are then adjusted by City Cost Indexes to arrive at the appropriate rate for a given region.) The productivity factors employed, e.g., the number of man-hours required to remove a given unit of measure of concrete, were developed by an engineering consulting firm. These factors are assumed valid for purposes of this study.

Labor Rate

Labor rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$33.14	X	6	=	$198.86
Foreman	$42.08	X	1	=	42.08
Heavy Equipment Operator	$40.10	X	1	=	40.10
Total Cost per hour of 8 man crew					$281.03
Cost per man hour		$281.03	/	8 =	$35.13

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator				27,874.28
Front End Loader				6,234.15
Cutting Equipment				231.75
Total per month				$34,340.18
34,340.18	/	176	hours per month =	195.11
Cost per man hour		$195.11	/ 8 =	$24.39
Plus: amount for small tools				1.07
Total Cost per man hour				$25.46

WEST COUNTY ENERGY CENTER DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	$35.13
Equipment	25.46
Total	$60.58
Rounded	$61.00
For Concrete demolition add $5.00 per hour additional equipment charge.	$66.00

The Removal Cost Factor is the product of the productivity factor for removal of a particular component multiplied by the total burdened hourly labor rate. The removal cost factors for all materials to be removed from FPL's sites are as follows:

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$61.00	2.50 MH / Ton	$152.50 / Ton
Heavy Steel (2)	$61.00	3.30 MH / Ton	$201.30 / Ton
General Steel	$61.00	4.40 MH / Ton	$268.40 / Ton
Light Steel	$61.00	7.10 MH / Ton	$433.10 / Ton
Concrete	$66.00	0.48 MH / CY	$31.68 / CY
Reinforced Concrete	$66.00	1.20 MH / CY	$79.20 / CY
Copper-Elect. Cable & Generator Leads &	$61.00	12.00 MH / Ton	$732.00 / Ton
Copper - Generator	$61.00	9.80 MH / Ton	$597.80 / Ton
Copper - Transformer	$61.00	7.40 MH / Ton	$451.40 / Ton
General Insulation	$61.00	1.00 MH / CY	$61.00 / CY
Inground Pipe-Metal(3)	$61.00	6.00 MH / Ton	$366.00 / Ton
Concrete Pipe	$66.00	4.60 MH / Ton	$303.60 / CY

(1) Includes turbine generator.
(2) Includes parts of the steam generator, pipe larger than 8 inches.
(3) Includes cost to backfill the trenches.

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Solid Waste Authority of PBC located at 6554 North Jog Road in West Palm Beach, Florida. Concrete and calcium silicated insulation are all non-hazardous wastes. The tipping fee of $28/ton was obtained from the Palm Beach County Landfill. The dumpster charges, obtained from Southern Waste Systems, are $375 per haul for 20 cubic yard and $475 per haul for a 30 cubic yard dumpster.

Cost factors were also developed to compute the cost of removal and disposal of oil tanks, including the cost of related soil remediation. Such costs are computed for each tank in FPL's system, and are located appropriately in the detailed spreadsheet.

WEST COUNTY ENERGY CENTER DISMANTLEMENT STUDY

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.38 cubic yards (20 cu. yds./1.3) of in place concrete. 15.38 cubic yards weighs 61,000 pounds or 30.50 tons.

Dumpster Charge		$375.00	/haul	X	1 haul	=	375.00
Tipping Fees	1	$28.00	/ ton	X	30.5 tons	=	854.00
Total Cost per round Trip							1,229.00
Cost per Cubic Yard		$1,229.00	/ 15.38 cubic yards =				$79.91
Plus 10% contractor profit							7.99
Total Cost per Cubic Yard							$87.90
Rounded Cost per Cubic Yard							$88.00

Insulation

For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons.

Calcium Silicate Insulation

Dumpster Charge	$475.00	/haul	X	1 haul		$475.00
Tipping Fees	$28.00	/ ton	X	1.82 tons	=	50.96
Total Cost per round Trip						$525.96
Cost per Cubic Yard	$525.96	/ 27 cubic yards =				$19.48
Plus 10% contractor profit						1.95
Total Cost per Cubic Yard						$21.43
Rounded Cost per Cubic Yard						$21.00

WEST COUNTY ENERGY CENTER DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

The salvage value factors, presented in dollars per ton, were provided by scrap metals dealers. The list covers all salvageable materials recovered from FPL sites.

Iron & Steel	$120 / ton
Stainless Steel	$2,000 / ton
Aluminum (Sheet Metal)	$1,340 / ton
Wire & Cable:	
- Insulated Copper	$2,100 / ton
- Insulated Aluminum	$1,020 / ton
Copper	$5,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$4,000 / ton
- 80/20 Cupro-Nickel	$6,000 / ton
- Monel	$10,000 / ton
Admiralty Brass	$3,600 / ton
Aluminum Brass	$2,800 / ton
Titanium	$4,000 / ton

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of $21,134 per month, both office and site, and contractor's expenses of $25,948 per month for site indirect costs.. These expenses are to be incurred over the 18 month dismantlement period for the WCEC Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management,. supervison, security, etc..

Site Management Expenses per month	$47,082
Number of months	18.00
Total Site Management Expenses	$847,476

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. Construction Estimating has updated the costs. The charge for the Intake is $44,128; the cost for the discharge is $35,115. WCEC has 1 Intake and 1 Inlet, no Discharge Structure.

	Cost/Unit	Quantity	
Intakes	$44,000	2	$88,000
Discharges:	$35,115	0	$0
Total Cost:			$88,000

WEST COUNTY ENERGY CENTER DISMANTLEMENT STUDY

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is $63,579 per acre. The acreage used for WCEC site is an estimate that will be updated in future dismantlement studies, when better information is available. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

WCEC Acreage to be graded and seeded	34.7
Cost Factor	$63,579
Total Grading and Seeding Expense	$2,207,599

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
West Count Energy Center Units 1 & 2								
Account 341: Structures and Improvements								
Lighting and Fire Protection Systems								
Yard Lighting	TN	8.25	433.10	3,573	0.00	0	120.00	990
Plant Lighting	TN	3.00	433.10	1,299	0.00	0	120.00	360
Fire Protection System Foundation	CY	79.50	79.20	6,296	88.00	6,996	0.00	0
Sanitary Sewer Piping Foundations	CY	27.33	79.20	2,165	88.00	2,405	0.00	0
				13,334		9,401		1,350
Power Block								
Power Block - Structural Steel	TN	1,774.80	201.30	357,267	0.00	0	120.00	212,976
Base Plates	TN	136.00	201.30	27,377	0.00	0	120.00	16,320
Power Block - Handrail, Toeblock, Misc.	TN	17.00	433.10	7,363	0.00	0	120.00	2,040
Power Block - Decking	TN	1,020.00	433.10	441,762	0.00	0	120.00	122,400
Power Block - Ladders, Stairs & Platforms	TN	100.00	433.10	43,310	0.00	0	120.00	12,000
HRSG Structural/Ductwork	TN	1,428.34	268.40	383,366	0.00	0	120.00	171,401
Power Block Grade Slab Concrete	CY	8,211.00	79.20	650,311	88.00	722,568	0.00	0
Power Block Structure Foundation Concrete	CY	10,264.00	79.20	812,909	88.00	903,232	0.00	0
Power Block Elevated Slabs	CY	2,053.00	79.20	162,598	88.00	180,664	0.00	0
HRSG Analyzer Building	CY	2,053.00	79.20	162,598	88.00	180,664	0.00	0
HRSG DCS Building	CY	2,258.00	79.20	178,834	88.00	198,704	0.00	0
				3,227,694		2,185,832		537,137
Open Cooling Water System								
OCW System 2" & < - Pipe	TN	1.15	268.40	308	0.00	0	120.00	138
OCW System 2 1/2" & > - Pipe	TN	140.25	201.30	28,232	0.00	0	120.00	16,830
OCW Duplex Basket Strainers	TN	1.02	201.30	205	0.00	0	120.00	122
Open Cooling Water Pumps	TN	80.24	201.30	16,152	0.00	0	120.00	9,629
Open Cooling Water Booster Pumps	TN	16.66	201.30	3,355	0.00	0	120.00	2,000
				48,252		0		28,719
Pond Water System								
Pond Water System 2" & < - Pipe	TN	0.84	268.40	226	0.00	0	120.00	101
Pond Water System 2 1/2" & > - Pipe	TN	10.41	201.30	2,096	0.00	0	120.00	1,250

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Pond Water Booster Pumps	TN	11.11	201.30	2,236	0.00	0	120.00	1,333
				4,558		0		2,684
Water Treatment System								
Service Water System 2" & < - Pipe	TN	7.14	201.30	1,916	0.00	0	120.00	857
Service Water System 2 1/2" & > - Pipe	TN	7.65	201.30	606	0.00	0	120.00	918
Service Water Pumps	TN	3.86	268.40	1,036	0.00	0	120.00	463
HRSG Blowdown Tank Sump	CY	272.00	79.20	21,542	88.00	23,936	0.00	0
Wastewater System 2" & < - Pipe	TN	3.14	268.40	842	0.00	0	120.00	376
Power Block Drainage Pipe Foundations	CY	216.09	31.68	6,846	88.00	19,016	0.00	0
Wastewater System 2 1/2" & > - Pipe	TN	397.80	201.30	80,077	0.00	0	120.00	47,736
Sump Pumps	TN	17.85	201.30	3,593	0.00	0	120.00	2,142
Miscellaneous Equipment	TN	5.10	201.30	1,027	0.00	0	120.00	612
Potable Water System	CY	50.37	31.68	1,596	88.00	4,433	0.00	0
Pipe Rack Drilled Piers - Concrete	CY	1,224.00	79.20	96,941	88.00	107,712	0.00	0
				216,021		155,096		53,104
Account 341 Totals:				3,509,860		2,350,330		622,993
Account 342: Fuel Holders, Producers and Accessories								
Gas System								
Natural Gas System 2" & < - Pipe	TN	0.08	268.40	23	0.00	0	120.00	10
Gas Piping	TN	187.00	268.40	50,191	0.00	0	120.00	22,440
Natural Gas System 2 1/2" & > - Pipe	TN	46.75	201.30	9,411	0.00	0	120.00	5,610
Liquid Fuel System 2 1/2" & > - Pipe	TN	63.75	201.30	12,833	0.00	0	120.00	7,650
Account 342 Totals:				72,457		0		35,710
Acount 343: Prime Movers								
HRSG Foundation	CY	2,360.32	79.20	186,937	88.00	207,708	0.00	0
HRSG Mechanical	TN	1,143.36	152.50	174,362	0.00	0	120.00	137,203
Mechanical Finishes - Casings	TN	119.61	201.30	24,077	0.00	0	120.00	14,353
Modules	TN	16,924.68	152.50	2,581,014	0.00	0	120.00	2,030,962
HRSG Blowdown System 2 1/2" & > - Pipe	TN	50.40	201.30	10,146	0.00	0	120.00	6,048
Electrical & Controls	TN	99.00	268.40	26,572	0.00	0	120.00	11,880

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
				3,003,108		207,708		2,200,446
Feedwater System								
Feedwater System 2" & < - Pipe	TN	8.10	268.40	2,174	0.00	0	120.00	972
Feedwater System 2 1/2" & > - Pipe	TN	157.50	201.30	31,705	0.00	0	120.00	18,900
HRSG HP Feedwater Pumps	TN	100.44	201.30	20,219	0.00	0	120.00	12,053
HRSG LP Feedwater Pumps	TN	100.44	201.30	20,219	0.00	0	120.00	12,053
HRSG Feed Pump Foudations Concrete	CY	1,296.00	79.20	102,643	88.00	114,048	0.00	0
H P Feed Pumps - Insulation	CY	2,160.00	61.00	131,760	21.00	45,360	0.00	0
L P Feed Pumps - Insulation	CY	1,620.00	61.00	98,820	21.00	34,020	0.00	0
L/B Feedwater Piping - Insulation	CY	4,584.60	61.00	279,661	21.00	96,277	0.00	0
				687,200		289,705		43,978
Combustion Turbine								
Combustion Turbine Fdn Concrete	CY	4,103.46	79.20	324,994	88.00	361,104	0.00	0
Condensate Pump Casings	TN	2.04	268.40	548	0.00	0	120.00	245
Miscellaneous Mechanical Equipment Fdns < 25cy	CY	450.00	79.20	35,640	88.00	39,600	0.00	0
C.T. Skid Mounted Equipment Fdn Concrete Pads	CY	675.00	79.20	53,460	88.00	59,400	0.00	0
C.T. Combustion Turbine	TN	1,508.00	152.50	229,970	0.00	0	120.00	180,960
C.T. Insulation	CY	231.11	61.00	14,098	21.00	4,853	0.00	0
C.T. Interconnect Pipe 2 1/2" & > - Pipe	TN	427.00	201.30	85,955	0.00	0	120.00	51,240
C.T. Interconnect Pipe 2 " & < - Pipe	TN	39.00	268.40	10,468	0.00	0	120.00	4,680
				755,132		464,958		237,125
Main Steam System								
Main Steam System 2 1/2" & > Pipe	TN	3,375.00	201.30	679,388	0.00	0	120.00	405,000
L/B Main Steam Piping - Insulation	CY	435.56	61.00	26,569	21.00	9,147	0.00	0
Aux Boiler System 2" & < - Pipe	TN	3.00	268.40	805	0.00	0	120.00	360
Aux Boiler System 2 1/2" & > - Pipe	TN	12.00	201.30	2,416	0.00	0	120.00	1,440
L/B Auxiliary Boiler Piping - Insulation	CY	30.00	61.00	1,830	21.00	630	0.00	0
L/B B.O.P. Piping - Insulation	CY	15.00	61.00	915	21.00	315	0.00	0
				711,922		10,092		406,800
Blowdown System								
HRSG Blowdown System 2" & Under - Pipe	TN	2.70	268.40	725	0.00	0	120.00	324
HRSG Blowdown Tanks	TN	18.96	201.30	3,817	0.00	0	120.00	2,275

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Main Steam DrainTanks	TN	11.50	201.30	2,315	0.00	0	120.00	1,380
HRSG Blowdown Tanks - Insulation	CY	13.33	61.00	813	21.00	280	0.00	0
Steam Drain Tanks - Insulation	CY	26.67	61.00	1,627	21.00	560	0.00	0
Mechanical Finishes - Insulation	CY	200.00	61.00	12,200	21.00	4,200	0.00	0
				21,496		5,040		3,979
Steam Turbine								
Steam Turbines - Insulation	CY	80.00	61.00	4,880	21.00	1,680	0.00	0
Main Steam System 2" & < - Pipe	TN	30.60	201.30	6,160	0.00	0	120.00	3,672
Steam Turbine Base Plates	TN	100.00	152.50	15,250	0.00	0	120.00	12,000
Steam Turbine & Accessories	LT	700.00	201.30	140,910	0.00	0	120.00	84,000
Hydraulic Power Unit	LT	6.00	201.30	1,208	0.00	0	120.00	720
Instrument Tubing	TN	12.50	268.40	3,355	0.00	0	120.00	1,500
				171,763		1,680		101,892
Condensate System								
Condensate System 2" & < - Pipe	TN	7.50	268.40	2,013	0.00	0	120.00	900
Condensate System 2 1/2" & > - Pipe	TN	330.00	201.30	66,429	0.00	0	120.00	39,600
L/B Condensate Piping - Insulation	CY	133.33	61.00	8,133	21.00	2,800	0.00	0
Condenser Vacuum Pump Skid & Equip	TN	5.00	201.30	1,007	0.00	0	120.00	600
Condensate Storage Tank Fdn	CY	420.00	79.20	33,264	88.00	36,960	0.00	0
Condensate Make-Up Pumps	TN	3.00	201.30	604	0.00	0	120.00	360
HRSG Chemical Fd. System 2" & < - Pipe	TN	3.90	268.40	1,047	0.00	0	120.00	468
HRSG Chemical Feed Skids	TN	30.00	201.30	6,039	0.00	0	120.00	3,600
Lube Oil Storage Tanks	TN	13.04	201.30	2,625	0.00	0	120.00	1,565
Miscellaneous Process Tanks	TN	21.20	201.30	4,268	0.00	0	120.00	2,544
CondensateTransfer System 2" & < - Pipe	TN	7.50	268.40	2,013	0.00	0	120.00	900
CondensateTransfer System 2 1/2" & > - Pipe	TN	195.00	201.30	39,254	0.00	0	120.00	28,860
Condensate Pumps	TN	125.60	201.30	25,283	0.00	0	120.00	15,072
Condensate Transfer Pumps	TN	9.56	201.30	1,924	0.00	0	120.00	1,147
Condensate Storage Tanks	TN	4.78	201.30	962	0.00	0	120.00	574
Bulk Gas System 2" & < - Pipe	TN	21.00	268.40	5,636	0.00	0	120.00	2,520
Condensers	TN	710.50	201.30	143,024	0.00	0	2,000.00	1,421,000
Gland Steam Condensers	TN	10.00	201.30	2,013	0.00	0	120.00	1,200
Condensate Air Rem System 2" & < - Pipe	TN	4.50	268.40	1,208	0.00	0	120.00	540
Condensate Air Rem System 2 1/2" & > - Pipe	TN	12.00	201.30	2,416	0.00	0	120.00	1,440

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
				349,161		39,760		1,522,890
Circulating Water System								
Circulating Water System 2" & < - Pipe	TN	2.25	268.40	603	0.00	0	120.00	269
Circulating Water System 2 1/2" & > - Pipe	TN	4.77	201.30	960	0.00	0	120.00	572
L/B Circulating Water Piping - Insulation	CY	56.00	61.00	3,416	21.00	1,176	0.00	0
Circulating Water Pumps	TN	95.95	268.40	25,753	0.00	0	120.00	11,514
C W Chem Tr System 2" & < - Pipe	TN	1.50	268.40	403	0.00	0	120.00	180
24" Diameter ICW Pipe	CY	88.89	303.60	26,987	88.00	7,822	0.00	0
84" Diameter ICW Pipe	CY	1,244.44	303.60	377,813	88.00	109,511	0.00	0
Concrete - Cofferdam Area	CY	0.00	31.68	0	88.00	0	0.00	0
66" Diameter Inground CW Pipe	CY	48.89	303.60	14,843	88.00	4,302	0.00	0
				450,777		122,812		12,536
Screen Wash System								
Intake Bar Rack & Cleaning Rake	TN	10.00	268.40	2,684	0.00	0	120.00	1,200
Intake Traveling Screens	TN	64.00	268.40	17,178	0.00	0	120.00	7,680
Screen Wash Bubbler System Equipment	TN	2.00	268.40	537	0.00	0	120.00	240
Screen Wash System 2" & < - Pipe	TN	0.18	268.40	48	0.00	0	120.00	22
Screen Wash System 2 1/2" & > - Pipe	TN	3.20	201.30	644	0.00	0	120.00	384
Screen Wash Pumps	TN	3.08	201.30	620	0.00	0	120.00	370
				21,711		0		9,895
HRSG Stack								
HRSG Stack Foundation Concrete	CY	2,325.00	79.20	184,140	88.00	204,600	0.00	0
Stacks	TN	1,054.00	201.30	212,170	0.00	0	120.00	126,480
Gland Steam Condenser - Insulation	CY	100.00	61.00	6,100	21.00	2,100	0.00	0
				402,410		206,700		126,480
Lube Oil System								
Lube Oil System - 2" & < Pipe	TN	6.00	268.40	1,610	0.00	0	120.00	720
Lube Oil System - 2 1/2" & > Pipe	TN	10.50	201.30	2,114	0.00	0	120.00	1,260
Lube Oil Transfer/Return Pumps	TN	3.00	201.30	604	0.00	0	120.00	360
S.T. Lube Oil Reservoir	TN	20.00	201.30	4,026	0.00	0	120.00	2,400
Turbo Lube Oil Conditioner	TN	4.00	201.30	805	0.00	0	120.00	480
				9,159		0		5,220

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Cranes and Hoists								
Miscellaneous Monorails & Hoists	TN	75.00	268.40	20,130	0.00	0	120.00	9,000
Combustion Turbine								
Combustion Turbine Fdn Mat Concrete	CY	3,754.80	79.20	297,380	88.00	330,422	0.00	0
Condensate Pump Caings	TN	8.00	201.30	1,610	0.00	0	120.00	960
Misc. Mechanical Equipment Fdn Concrete	CY	480.00	79.20	38,016	88.00	42,240	0.00	0
CT Equipment Fdn Concrete Pads	CY	720.00	79.20	57,024	88.00	63,360	0.00	0
C.T. Combustion Turbine	TN	1,508.00	152.50	229,970	0.00	0	120.00	180,960
CT Insulation	CY	360.00	61.00	21,960	88.00	31,680	0.00	0
C.T. Interconnect Pipe 1 1/2" & >	TN	420.00	201.30	84,546	0.00	0	120.00	50,400
C.T. Interconnect Pipe 1 1/2" & <	TN	19.00	201.30	3,825	0.00	0	120.00	2,280
				734,331		467,702		234,600
Closed Cooling Water System								
Closed Cooling Water Heat Exchanger	TN	58.68	268.40	15,749	0.00	0	120.00	7,041
CCW System 2" & < - Pipe	TN	11.03	268.40	2,962	0.00	0	120.00	1,324
CCW System 2 1/2" & > - Pipe	TN	146.04	201.30	29,398	0.00	0	120.00	17,525
Closed Cooling Water Pumps	TN	9.75	201.30	1,963	0.00	0	120.00	1,170
				50,071		0		27,060
Account 343 Totals				7,388,371		1,816,156		4,941,900
Account 344: Generators								
Steam Turbine Foundation Mat Concrete	CY	1,920.00	79.20	152,064	88.00	168,960	0.00	0
Steam Turbine Pedestal Concrete	CY	1,472.00	79.20	116,582	88.00	129,536	0.00	0
C.T. Generator	TN	1,256.00	152.50	191,540	0.00	0	120.00	150,720
Generator Copper	TN	180.00	597.80	107,604	0.00	0	5,000.00	900,000
Generator	TN	2,000.00	152.50	305,000	0.00	0	120.00	240,000
				872,790		298,496		1,290,720
Cooling Tower								
Cooling Tower	TN	2,720.00	433.10	1,178,032	0.00	0	120.00	326,400
Reinf Conc	CY	774.65	79.20	61,352	88.00	68,169	0.00	0

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Subtotal				1,239,384		68,169		326,400
Account 344 Totals				2,112,175		366,665		1,617,120
Account 345: Accessory Electric Equipment								
Electrical Power Cable	TN	20.00	268.40	5,368	0.00	0	2,100.00	42,000
Electrical Control Cable	TN	10.00	268.40	2,684	0.00	0	2,100.00	21,000
Station Transformer	TN	154.00	268.40	41,334	0.00	0	120.00	18,480
CT Step-up Transformer	TN	186.24	268.40	49,987	0.00	0	120.00	22,349
Control Center-off base	TN	108.00	268.40	28,987	0.00	0	120.00	12,960
Miscellaneous Materials + 5%	TN	47.82	268.40	12,836	0.00	0	120.00	5,739
				141,196		0		122,528
Excitation Equipment								
Generator Excitation Power Transformers	TN	125.00	201.30	33,550	0.00	0	120.00	15,000
Transformer Copper	TN	130.00	451.40	58,682	0.00	0	5,000.00	650,000
Instrumentation	TN	30.00	268.40	2,376	0.00	0	120.00	3,600
				94,608		0		668,600
Electrical Equipment								
Electrical Equipment Pads Concrete	CY	200.00	79.20	15,840	88.00	17,600	0.00	0
Uninterruptible Power Supply	TN	1.00	268.40	268	0.00	0	120.00	120
Station Battery Charger & Panels	TN	12.00	268.40	3,221	0.00	0	120.00	1,440
Grounding & Cathodic Protection	TN	275.00	268.40	73,810	0.00	0	120.00	33,000
Grounding Grid (Incl. Pads Rods)	TN	11.07	268.40	2,971	0.00	0	120.00	1,328
Lightning Protection	TN	5.00	268.40	1,342	0.00	0	120.00	600
Embedded Conduits Foundations	CY	711.11	79.20	56,320	88.00	62,578	0.00	0
Power & Control Conduits	TN	328.98	268.40	88,298	0.00	0	120.00	39,478
Cable Tray	TN	456.49	268.40	122,521	0.00	0	120.00	54,779
Concrete Duct Banks	CY	1,000.00	79.20	79,200	88.00	88,000	0.00	0
Electrical Manholes	CY	100.00	31.68	3,168	88.00	8,800	0.00	0
Isophase Bus	TN	90.00	268.40	24,156	0.00	0	120.00	10,800
Main Control Boards	TN	0.01	268.40	4	0.00	0	120.00	2
Miscellaneous Relay Panels	TN	.0.00	268.40	0	0.00	0	120.00	0
Instrument Racks	TN	32.40	268.40	8,696	0.00	0	120.00	3,888
Annunciators	TN	0.01	268.40	1	0.00	0	120.00	1
Miscellaneous Power Transformers	TN	55.00	268.40	14,762	0.00	0	120.00	6,600

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
208/120V AC Distribution Panels	TN	0.00	268.40	0	0.00	0	120.00	0
Load Centers	TN	15.00	268.40	4,026	0.00	0	120.00	1,800
Motor Control Centers	TN	85.00	268.40	22,814	0.00	0	120.00	10,200
Distribution Panels	TN	0.00	268.40	0	0.00	0	120.00	0
Power Cable - 8KV	TN	181.94	732.00	133,179	0.00	0	2,100.00	382,072
Power Cable - Medium Voltage	TN	91.26	732.00	66,799	0.00	0	2,100.00	191,637
Electrical Switchgear Foundation Concrete	CY	1,234.80	79.20	97,796	88.00	108,662	0.00	0
Non-Seg Bus	TN	35.56	268.40	9,544	0.00	0	120.00	4,267
4.16 KV Switchgear	TN	15.00	268.40	4,026	0.00	0	120.00	1,800
Control Cable	TN	48.25	732.00	35,318	0.00	0	2,100.00	101,322
Instrumentation Cable	TN	19.70	732.00	14,419	0.00	0	2,100.00	41,367
Distributed Control System	TN	10.00	268.40	2,684	0.00	0	120.00	1,200
				885,185		285,640		887,701
Account 345 Totals				1,120,989		285,640		1,678,828
Account 346: Miscellaneous Plant Equipment								
Compressed Air Piping	TN	30.08	268.40	8,075	0.00	0	120.00	3,610
Instrument Air System 2" & < Pipe	TN	0.41	268.40	109	0.00	0	120.00	49
Service Air System 2 " & < Pipe	TN	7.98	268.40	2,142	0.00	0	120.00	958
Instrument Air System 2 1/2" & > Pipe	TN	4.38	268.40	1,176	0.00	0	120.00	526
Service Air System 2 1/2" & > Pipe	TN	5.48	268.40	1,469	0.00	0	120.00	657
Instrument Air Compressors, Rec, & Dryers	TN	27.18	268.40	7,295	0.00	0	120.00	3,262
Plant Communications & Phones	TN	6.00	268.40	1,610	0.00	0	120.00	720
Heat Tracing	TN	3.75	268.40	1,007	0.00	0	120.00	450
Fire Protection/Detection Equipment	TN	7.50	268.40	2,013	0.00	0	120.00	900
Miscellaneous Electrical Items	TN	0.00	268.40	0	0.00	0	120.00	0
Account 346 Totals				24,897		0		11,131
Common, Units 1 & 2 Totals				14,228,748		4,818,791		8,907,683
West Count Energy Center Unit 3								
Account 341: Structures and Improvements								
Lighting and Fire Protection Systems								
Yard Lighting	TN	4.13	433.10	1,787	0.00	0	120.00	495

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WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Plant Lighting	TN	1.50	433.10	650	0.00	0	120.00	180
Fire Protection System Foundation	CY	39.75	79.20	3,148	88.00	3,498	0.00	0
Sanitary Sewer Piping Foundations	CY	13.67	79.20	1,082	88.00	1,203	0.00	0
				6,667		4,701		675
Power Block								
Power Block - Structural Steel	TN	887.40	201.30	178,634	0.00	0	120.00	106,488
Base Plates	TN	68.00	201.30	13,688	0.00	0	120.00	8,160
Power Block - Handrail, Toeblock, Misc.	TN	8.50	433.10	3,681	0.00	0	120.00	1,020
Power Block - Decking	TN	510.00	433.10	220,881	0.00	0	120.00	61,200
Power Block - Ladders, Stairs & Platforms	TN	50.00	433.10	21,655	0.00	0	120.00	6,000
HRSG Structural/Ductwork	TN	714.17	268.40	191,683	0.00	0	120.00	85,700
Power Block Grade Slab Concrete	CY	2,720.00	79.20	215,424	88.00	239,360	0.00	0
Power Block Structure Foundation Concrete	CY	3,400.00	79.20	269,280	88.00	299,200	0.00	0
Power Block Elevated Slabs	CY	680.00	79.20	53,856	88.00	59,840	0.00	0
HRSG Analyzer Building	CY	680.00	79.20	53,856	88.00	59,840	0.00	0
HRSG DCS Building	CY	748.00	79.20	59,242	88.00	65,824	0.00	0
				1,281,880		724,064		268,568
Open Cooling Water System								
OCW System 2" & < - Pipe	TN	0.57	268.40	154	0.00	0	120.00	69
OCW System 2 1/2" & > - Pipe	TN	70.13	201.30	14,116	0.00	0	120.00	8,415
OCW Duplex Basket Strainers	TN	0.51	201.30	103	0.00	0	120.00	61
Open Cooling Water Pumps	TN	40.12	201.30	8,076	0.00	0	120.00	4,814
Open Cooling Water Booster Pumps	TN	8.33	201.30	1,677	0.00	0	120.00	1,000
				24,126		0		14,359
Pond Water System								
Pond Water System 2" & < - Pipe	TN	0.42	268.40	113	0.00	0	120.00	50
Pond Water System 2 1/2" & > - Pipe	TN	5.21	201.30	1,048	0.00	0	120.00	625
Pond Water Booster Pumps	TN	5.55	201.30	1,118	0.00	0	120.00	667
				2,279		0		1,342
Water Treatment System								
Service Water System 2" & < - Pipe	TN	3.57	201.30	958	0.00	0	120.00	428

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Service Water System 2 1/2" & > - Pipe	TN	3.83	201.30	303	0.00	0	120.00	459
Service Water Pumps	TN	1.93	268.40	518	0.00	0	120.00	232
HRSG Blowdown Tank Sump	CY	136.00	79.20	10,771	88.00	11,968	0.00	0
Wastewater System 2" & < - Pipe	TN	1.57	268.40	421	0.00	0	120.00	188
Power Block Drainage Pipe Foundations	CY	216.09	31.68	6,846	88.00	19,016	0.00	0
Wastewater System 2 1/2" & > - Pipe	TN	198.90	201.30	40,039	0.00	0	120.00	23,868
Sump Pumps	TN	8.93	201.30	1,797	0.00	0	120.00	1,071
Miscellaneous Equipment	TN	2.55	201.30	513	0.00	0	120.00	306
Potable Water System	CY	25.19	31.68	798	88.00	2,216	0.00	0
Pipe Rack Drilled Piers - Concrete	CY	612.00	79.20	48,470	88.00	53,856	0.00	0
				111,434		87,056		26,552
Account 341 Totals:				1,426,386		815,821		311,497
Account 342: Fuel Holders, Producers and Accessories								
Gas System								
Natural Gas System 2" & < - Pipe	TN	0.04	268.40	11	0.00	0	120.00	5
Gas Piping	TN	93.50	268.40	25,095	0.00	0	120.00	11,220
Natural Gas System 2 1/2" & > - Pipe	TN	23.38	201.30	4,705	0.00	0	120.00	2,805
Liquid Fuel System 2 1/2" & > - Pipe	TN	31.88	201.30	6,416	0.00	0	120.00	3,825
Account 342 Totals:				36,229		0		17,855
Acount 343: Prime Movers								
HRSG Foundation	CY	824.16	79.20	65,273	88.00	72,526	0.00	0
HRSG Mechanical	TN	539.92	152.50	82,338	0.00	0	120.00	64,790
Mechanical Finishes - Casings	TN	56.48	201.30	11,370	0.00	0	120.00	6,778
Modules	TN	7,992.21	152.50	1,218,812	0.00	0	120.00	959,065
HRSG Blowdown System 2 1/2" & > - Pipe	TN	23.80	201.30	4,791	0.00	0	120.00	2,856
Electrical & Controls	TN	46.75	268.40	12,548	0.00	0	120.00	5,610
				1,395,132		72,526		1,039,100
Feedwater System								
Feedwater System 2" & < - Pipe	TN	3.83	268.40	1,027	0.00	0	120.00	459
Feedwater System 2 1/2" & > - Pipe	TN	74.38	201.30	14,972	0.00	0	120.00	8,925

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

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HRSG HP Feedwater Pumps	TN	47.43	201.30	9,548	0.00	0	120.00	5,692
HRSG LP Feedwater Pumps	TN	47.43	201.30	9,548	0.00	0	120.00	5,692
HRSG Feed Pump Foudations Concrete	CY	648.00	79.20	51,322	88.00	57,024	0.00	0
H P Feed Pumps - Insulation	CY	1,080.00	61.00	65,880	21.00	22,680	0.00	0
L P Feed Pumps - Insulation	CY	810.00	61.00	49,410	21.00	17,010	0.00	0
L/B Feedwater Piping - Insulation	CY	2,292.30	61.00	139,830	21.00	48,138	0.00	0
				341,536		144,852		20,767
Combustion Turbine								
Combustion Turbine Fdn Concrete	CY	2,051.73	79.20	162,497	88.00	180,552	0.00	0
Condensate Pump Casings	TN	1.02	268.40	274	0.00	0	120.00	122
Miscellaneous Mechanical Equipment Fdns < 25cy	CY	225.00	79.20	17,820	88.00	19,800	0.00	0
C.T. Skid Mounted Equipment Fdn Concrete Pads	CY	337.50	79.20	26,730	88.00	29,700	0.00	0
C.T. Combustion Turbine	TN	754.00	152.50	114,985	0.00	0	120.00	90,480
C.T. Insulation	CY	115.56	61.00	7,049	21.00	2,427	0.00	0
C.T. Interconnect Pipe 2 1/2" & > - Pipe	TN	213.50	201.30	42,978	0.00	0	120.00	25,620
C.T. Interconnect Pipe 2 " & < - Pipe	TN	19.50	268.40	5,234	0.00	0	120.00	2,340
				377,566		232,479		118,562
Main Steam System								
Main Steam System 2 1/2" & > Pipe	TN	1,687.50	201.30	339,694	0.00	0	120.00	202,500
L/B Main Steam Piping - Insulation	CY	217.78	61.00	13,284	21.00	4,573	0.00	0
Aux Boiler System 2" & < - Pipe	TN	1.50	268.40	403	0.00	0	120.00	180
Aux Boiler System 2 1/2" & > - Pipe	TN	6.00	201.30	1,208	0.00	0	120.00	720
L/B Auxiliary Boiler Piping - Insulation	CY	15.00	61.00	915	21.00	315	0.00	0
L/B B.O.P. Piping - Insulation	CY	7.50	61.00	458	21.00	158	0.00	0
				355,961		5,046		203,400
Blowdown System								
HRSG Blowdown System 2" & Under - Pipe	TN	1.35	268.40	362	0.00	0	120.00	162
HRSG Blowdown Tanks	TN	9.48	201.30	1,908	0.00	0	120.00	1,138
Main Steam DrainTanks	TN	5.75	201.30	1,157	0.00	0	120.00	690
HRSG Blowdown Tanks - Insulation	CY	6.67	61.00	407	21.00	140	0.00	0
Steam Drain Tanks - Insulation	CY	13.33	61.00	813	21.00	280	0.00	0
Mechanical Finishes - Insulation	CY	100.00	61.00	6,100	21.00	2,100	0.00	0
				10,748		2,520		1,990

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Steam Turbine								
Steam Turbines - Insulation	CY	40.00	61.00	2,440	21.00	840	0.00	0
Main Steam System 2" & < - Pipe	TN	15.30	201.30	3,080	0.00	0	120.00	1,836
Steam Turbine Base Plates	TN	50.00	152.50	7,625	0.00	0	120.00	6,000
Steam Turbine & Accessories	LT	350.00	201.30	70,455	0.00	0	120.00	42,000
Hydraulic Power Unit	LT	3.00	201.30	604	0.00	0	120.00	360
Instrument Tubing	TN	6.25	268.40	1,678	0.00	0	120.00	750
				85,881		840		50,946
Condensate System								
Condensate System 2" & < - Pipe	TN	3.75	268.40	1,007	0.00	0	120.00	450
Condensate System 2 1/2" & > - Pipe	TN	165.00	201.30	33,215	0.00	0	120.00	19,800
L/B Condensate Piping - Insulation	CY	66.67	61.00	4,067	21.00	1,400	0.00	0
Condenser Vacuum Pump Skid & Equip	TN	2.50	201.30	503	0.00	0	120.00	300
Condensate Storage Tank Fdn	CY	210.00	79.20	16,632	88.00	18,480	0.00	0
Condensate Make-Up Pumps	TN	1.50	201.30	302	0.00	0	120.00	180
HRSG Chemical Fd. System 2" & < - Pipe	TN	1.95	268.40	523	0.00	0	120.00	234
HRSG Chemical Feed Skids	TN	15.00	201.30	3,020	0.00	0	120.00	1,800
Lube Oil Storage Tanks	TN	6.52	201.30	1,312	0.00	0	120.00	782
Miscellaneous Process Tanks	TN	10.60	201.30	2,134	0.00	0	120.00	1,272
CondensateTransfer System 2" & < - Pipe	TN	3.75	268.40	1,007	0.00	0	120.00	450
CondensateTransfer System 2 1/2" & > - Pipe	TN	97.50	201.30	19,627	0.00	0	120.00	11,700
Condensate Pumps	TN	62.80	201.30	12,642	0.00	0	120.00	7,536
Condensate Transfer Pumps	TN	4.78	201.30	962	0.00	0	120.00	574
Condensate Storage Tanks	TN	2.39	201.30	481	0.00	0	120.00	287
Bulk Gas System 2" & < - Pipe	TN	10.50	268.40	2,818	0.00	0	120.00	1,260
Condensers	TN	332.50	201.30	66,932	0.00	0	2,000.00	665,000
Gland Steam Condensers	TN	5.00	201.30	1,007	0.00	0	120.00	600
Condensate Air Rem System 2" & < - Pipe	TN	2.25	268.40	604	0.00	0	120.00	270
Condensate Air Rem System 2 1/2" & > - Pipe	TN	6.00	201.30	1,208	0.00	0	120.00	720
				170,001		19,880		713,215
Circulating Water System								
Circulating Water System 2" & < - Pipe	TN	1.12	268.40	301	0.00	0	120.00	135
Circulating Water System 2 1/2" & > - Pipe	TN	2.39	201.30	480	0.00	0	120.00	286

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
L/B Circulating Water Piping - Insulation	CY	28.00	61.00	1,708	21.00	588	0.00	0
Circulating Water Pumps	TN	47.98	268.40	12,876	0.00	0	120.00	5,757
C W Chem Tr System 2" & < - Pipe	TN	0.75	268.40	201	0.00	0	120.00	90
24" Diameter ICW Pipe	CY	44.44	303.60	13,493	88.00	3,911	0.00	0
84" Diameter ICW Pipe	CY	622.22	303.60	188,907	88.00	54,756	0.00	0
Concrete - Cofferdam Area	CY	350.00	31.68	11,088	88.00	30,800	0.00	0
66" Diameter Inground CW Pipe	CY	24.44	303.60	7,421	88.00	2,151	0.00	0
				236,477		92,206		6,268
Screen Wash System								
Intake Bar Rack & Cleaning Rake	TN	5.00	268.40	1,342	0.00	0	120.00	600
Intake Traveling Screens	TN	32.00	268.40	8,589	0.00	0	120.00	3,840
Screen Wash Bubbler System Equipment	TN	1.00	268.40	268	0.00	0	120.00	120
Screen Wash System 2" & < - Pipe	TN	0.09	268.40	24	0.00	0	120.00	11
Screen Wash System 2 1/2" & > - Pipe	TN	1.60	201.30	322	0.00	0	120.00	192
Screen Wash Pumps	TN	1.54	201.30	310	0.00	0	120.00	185
				10,855		0		4,948
HRSG Stack								
HRSG Stack Foundation Concrete	CY	1,162.50	79.20	92,070	88.00	102,300	0.00	0
Stacks	TN	527.00	201.30	106,085	0.00	0	120.00	63,240
Gland Steam Condenser - Insulation	CY	50.00	61.00	3,050	21.00	1,050	0.00	0
				201,205		103,350		63,240
Lube Oil System								
Lube Oil System - 2" & < Pipe	TN	3.00	268.40	805	0.00	0	120.00	360
Lube Oil System - 2 1/2" & > Pipe	TN	5.25	201.30	1,057	0.00	0	120.00	630
Lube Oil Transfer/Return Pumps	TN	1.50	201.30	302	0.00	0	120.00	180
S.T. Lube Oil Reservoir	TN	10.00	201.30	2,013	0.00	0	120.00	1,200
Turbo Lube Oil Conditioner	TN	2.00	201.30	403	0.00	0	120.00	240
				4,580		0		2,610
Cranes and Hoists								
Miscellaneous Monorails & Hoists	TN	37.50	268.40	10,065	0.00	0	120.00	4,500

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Combustion Turbine								
Combustion Turbine Fdn Mat Concrete	CY	1,877.40	79.20	148,690	88.00	165,211	0.00	0
Condensate Pump Caings	TN	4.00	201.30	805	0.00	0	120.00	480
Misc. Mechanical Equipment Fdn Concrete	CY	240.00	79.20	19,008	88.00	21,120	0.00	0
CT Equipment Fdn Concrete Pads	CY	360.00	79.20	28,512	88.00	31,680	0.00	0
C.T. 8 Combustion Turbine	TN	754.00	152.50	114,985	0.00	0	120.00	90,480
CT 8 Insulation	CY	180.00	61.00	10,980	88.00	15,840	0.00	0
C.T. Interconnect Pipe 1 1/2" & >	TN	210.00	201.30	42,273	0.00	0	120.00	25,200
C.T. Interconnect Pipe 1 1/2" & <	TN	9.50	201.30	1,912	0.00	0	120.00	1,140
				367,166		233,851		117,300
Closed Cooling Water System								
Closed Cooling Water Heat Exchanger	TN	29.34	268.40	7,874	0.00	0	120.00	3,521
CCW System 2 " & < - Pipe	TN	5.52	268.40	1,481	0.00	0	120.00	662
CCW System 2 1/2" & > - Pipe	TN	73.02	201.30	14,699	0.00	0	120.00	8,762
Closed Cooling Water Pumps	TN	4.88	201.30	981	0.00	0	120.00	585
				25,035		0		13,530
Account 343 Totals				3,592,207		907,550		2,360,375
Account 344: Generators								
Steam Turbine Foundation Mat Concrete	CY	960.00	79.20	76,032	88.00	84,480	0.00	0
Steam Turbine Pedestal Concrete	CY	736.00	79.20	58,291	88.00	64,768	0.00	0
C.T. Generator	TN	628.00	152.50	95,770	0.00	0	120.00	75,360
Generator Copper	TN	90.00	597.80	53,802	0.00	0	5,000.00	450,000
Generator	TN	1,000.00	152.50	152,500	0.00	0	120.00	120,000
				436,395		149,248		645,360
Cooling Tower								
Cooling Tower	TN	1,360.00	433.10	589,016	0.00	0	120.00	163,200
Reinf Conc	CY	387.32	79.20	30,676	88.00	34,085	0.00	0
Subtotal				619,692		34,085		163,200
Account 344 Totals				1,056,087		183,333		808,560

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Account 345: Accessory Electric Equipment								
Electrical Power Cable	TN	10.00	268.40	2,684	0.00	0	2,100.00	21,000
Electrical Control Cable	TN	5.00	268.40	1,342	0.00	0	2,100.00	10,500
Station Transformer	TN	77.00	268.40	20,667	0.00	0	120.00	9,240
CT Step-up Transformer	TN	93.12	268.40	24,993	0.00	0	120.00	11,174
Control Center-off base	TN	54.00	268.40	14,494	0.00	0	120.00	6,480
Miscellaneous Materials + 5%	TN	11.96	268.40	3,209	0.00	0	120.00	1,435
				67,389		0		59,829
Excitation Equipment								
Generator Excitation Power Transformers	TN	62.50	201.30	16,775	0.00	0	120.00	7,500
Transformer Copper	TN	25.00	451.40	11,285	0.00	0	5,000.00	125,000
Instrumentation	TN	15.00	268.40	1,188	0.00	0	120.00	1,800
				29,248		0		134,300
Electrical Equipment								
Electrical Equipment Pads Concrete	CY	100.00	79.20	7,920	88.00	8,800	0.00	0
Uninterruptible Power Supply	TN	0.50	268.40	134	0.00	0	120.00	60
Station Battery Charger & Panels	TN	6.00	268.40	1,610	0.00	0	120.00	720
Grounding & Cathodic Protection	TN	137.50	268.40	36,905	0.00	0	120.00	16,500
Grounding Grid (Incl. Pads Rods)	TN	5.53	268.40	1,485	0.00	0	120.00	664
Lightning Protection	TN	2.50	268.40	671	0.00	0	120.00	300
Embedded Conduits Foundations	CY	355.56	79.20	28,160	88.00	31,289	0.00	0
Power & Control Conduits	TN	164.49	268.40	44,149	0.00	0	120.00	19,739
Cable Tray	TN	228.24	268.40	61,261	0.00	0	120.00	27,389
Concrete Duct Banks	CY	500.00	79.20	39,600	88.00	44,000	0.00	0
Electrical Manholes	CY	50.00	31.68	1,584	88.00	4,400	0.00	0
Isophase Bus	TN	45.00	268.40	12,078	0.00	0	120.00	5,400
Main Control Boards	TN	0.01	268.40	2	0.00	0	120.00	1
Miscellaneous Relay Panels	TN	0.00	268.40	0	0.00	0	120.00	0
Instrument Racks	TN	16.20	268.40	4,348	0.00	0	120.00	1,944
Annunciators	TN	0.00	268.40	1	0.00	0	120.00	0
Miscellaneous Power Transformers	TN	27.50	268.40	7,381	0.00	0	120.00	3,300
208/120V AC Distribution Panels	TN	0.00	268.40	0	0.00	0	120.00	0
Load Centers	TN	7.50	268.40	2,013	0.00	0	120.00	900
Motor Control Centers	TN	42.50	268.40	11,407	0.00	0	120.00	5,100

WEST COUNTY ENERGY CENTER FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Distribution Panels	TN	0.00	268.40	0	0.00	0	120.00	0
Power Cable - 8KV	TN	90.97	732.00	66,590	0.00	0	2,100.00	191,036
Power Cable - Medium Voltage	TN	45.63	732.00	33,400	0.00	0	2,100.00	95,819
Electrical Switchgear Foundation Concrete	CY	617.40	79.20	48,898	88.00	54,331	0.00	0
Non-Seg Bus	TN	17.78	268.40	4,772	0.00	0	120.00	2,134
4.16 KV Switchgear	TN	7.50	268.40	2,013	0.00	0	120.00	900
Control Cable	TN	24.12	732.00	17,659	0.00	0	2,100.00	50,661
Instrumentation Cable	TN	9.85	732.00	7,210	0.00	0	2,100.00	20,684
Distributed Control System	TN	5.00	268.40	1,342	0.00	0	120.00	600
				442,593		142,820		443,850
Account 345 Totals				539,229		142,820		637,979
Account 346: Miscellaneous Plant Equipment								
Compressed Air Piping	TN	15.04	268.40	4,037	0.00	0	120.00	1,805
Instrument Air System 2" & < Pipe	TN	0.20	268.40	55	0.00	0	120.00	24
Service Air System 2" & < Pipe	TN	3.99	268.40	1,071	0.00	0	120.00	479
Instrument Air System 2 1/2" & > Pipe	TN	2.19	268.40	588	0.00	0	120.00	263
Service Air System 2 1/2" & > Pipe	TN	2.74	268.40	735	0.00	0	120.00	329
Instrument Air Compressors, Rec, & Dryers	TN	13.59	268.40	3,648	0.00	0	120.00	1,631
Plant Communications & Phones	TN	3.00	268.40	805	0.00	0	120.00	360
Heat Tracing	TN	1.88	268.40	503	0.00	0	120.00	225
Fire Protection/Detection Equipment	TN	3.75	268.40	1,007	0.00	0	120.00	450
Miscellaneous Electrical Items	TN	0.00	268.40	0	0.00	0	120.00	0
Account 346 Totals				12,448		0		5,566
Unit 3 Totals				6,662,587		2,049,523		4,141,832