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**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 8

FLORIDA PUBLIC SERVICE COMMISSION

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

DOCUMENT NUMBER-DATE

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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**

<u>Plant Sites</u>	<u>Per Docket No. 070378-EI Order No. PSC-08-0095-PAA-EI Annual Accrual</u>	<u>Proposed Annual Accrual effective 1/1/2010</u>	<u>Increase /(Decrease) in Annual Dismantlement Accrual</u>
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			
	<u>0.98036379</u>			
<u>Site/Units</u>	<u>Dismantlement Cost in Current Dollars</u>	<u>Jurisdictional Dismantlement Cost in Current Dollars</u>	<u>Dismantlement Cost in Future Dollars</u>	<u>Jurisdictional Dismantlement Cost in Future Dollars</u>
<u>Cape Canaveral</u>				
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
<u>Cutler</u>				
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
<u>Fort Lauderdale</u>				
Unit 4	14,029,089	13,753,611	20,802,809	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
<u>Fort Myers</u>				
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	4,381,197	4,304,971	9,934,389	9,739,315
Gas Turbines	2,680,709	2,628,070	4,568,937	4,479,220
<u>Manatee</u>				
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
<u>Martin</u>				
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
<u>Port Everglades</u>				
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
<u>Putnam</u>				
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

<u>Site/Units</u>	<u>Dismantlement Cost in Current Dollars</u>	<u>Jurisdictional Dismantlement Cost in Current Dollars</u>	<u>Dismantlement Cost in Future Dollars</u>	<u>Jurisdictional Dismantlement Cost in Future Dollars</u>
<u>Riviera</u>				
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
<u>Sanford</u>				
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
<u>Scherer</u>				
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
<u>SJRPP</u>				
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
<u>Turkey Point</u>				
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
<u>West County Energy Center</u>				
Common, Units 1 & 2	18,030,079	17,676,037	46,073,781	45,169,067
Unit 3	4,677,734	4,586,881	14,651,093	14,363,401
<u>DeSoto Solar</u>				
	1,365,069	1,338,264	3,608,338	3,537,484
<u>Space Coast Solar</u>				
	724,875	710,641	1,565,713	1,534,968
<u>St. Lucie Wind Turbines</u>				
	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			
	<u>0.98067024</u>			
<u>Site/Units</u>	Dismantlement Cost in Current Dollars	Jurisdictional Dismantlement Cost in Current Dollars	Dismantlement Cost in Future Dollars	Jurisdictional Dismantlement Cost in Future Dollars
<u>Cape Canaveral</u>				
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
<u>Cutler</u>				
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
<u>Fort Lauderdale</u>				
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
<u>Fort Myers</u>				
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
<u>Manatee</u>				
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
<u>Martin</u>				
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
<u>Port Everglades</u>				
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
<u>Putnam</u>				
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

<u>Site/Units</u>	<u>Dismantlement Cost in Current Dollars</u>	<u>Jurisdictional Dismantlement Cost in Current Dollars</u>	<u>Dismantlement Cost in Future Dollars</u>	<u>Jurisdictional Dismantlement Cost in Future Dollars</u>
<u>Riviera</u>				
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
<u>Sanford</u>				
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
<u>Scherer</u>				
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
<u>SJRPP</u>				
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
<u>Turkey Point</u>				
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
<u>West County Energy Center</u>				
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
<u>DeSoto Solar</u>				
	1,365,069	1,338,683	3,608,338	3,538,590
<u>Space Coast Solar</u>				
	724,875	710,863	1,565,713	1,535,448
<u>St. Lucie Wind Turbines</u>				
	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

YEAR	Compensation per Hour (Non-Farm Business Sector)		Producer Price Index (Intermediate Materials)		GDP Deflator (Implicit)		METAL & METAL PRODUCTS	
	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%	1.063493	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%	1.570488	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%	1.053181	1.9%	1.344546	0.1%	1.080765
2025	3.3%	1.790011	0.3%	1.056321	1.8%	1.366748	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%	1.088179
2029	3.3%	2.040221	0.2%	1.066923	1.8%	1.471435	0.2%	1.088351
2030	3.3%	2.107546	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

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

Global Insight (formerly DRI) Inflation Rates August, 2008

YEAR	Compensation per Hour (Non-Farm Business Sector)		Producer Price Index (Intermediate Materials)		GDP Deflator (Implicit)		METAL & METAL PRODUCTS	
	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%	1.900380	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	1993	1993	1971	2009	2009	2002	2002	2003	1974
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	\$83,301	\$26,554	\$9,980

Computation of Annual Accrual	1965	1965	1969	2010	1962	1963	1946	1976	1977
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	780,836
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
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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

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

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	\$10,288	\$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:

<u>Unit</u>	<u>Year</u>
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)
<u>Cape Canaveral Common</u>					
<u>Production Plant</u>					
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	8,188	0	19,080	(10,894)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	426,236	2,122,538	361,338	2,187,438
<u>Other Site Costs:</u>					
	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
<u>Cape Canaveral Unit 1</u>					
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	(183,534)
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
<u>Cape Canaveral Unit 2</u>					
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	4,643,825	6,427,827	16,147,799
<u>Space Coast Solar</u>					
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%	55,928	7,078		63,005
	Space Coast Solar Unit	405,468	51,317	85,369	371,414
<u>Other Site Costs:</u>					
	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	468,880	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 80% 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:

<u>Units</u>	<u>Economic Recovery Date</u>
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					<u>\$328.05</u>
Cost per man hour			\$328.05 / 8	=	<u>\$41.01</u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					34,370.00
Front End Loader					6,824.90
Cutting Equipment					<u>231.51</u>
Total per month					<u>41,426.41</u>
	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					<u>\$30.42</u>

CAPE CANAVERAL DISMANTLEMENT STUDY

Equipment & Labor Summary

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

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:

<u>Components</u>	<u>Hourly Rate</u>	<u>Productivity Factor</u>	<u>Removal Factor</u>
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					<u>\$1,092.70</u>
Cost per Cubic Yard	\$1,092.70 / 15.38 cubic yards =				\$71.05
Plus 10% contractor profit					<u>\$7.10</u>
Total Cost per Cubic Yard					<u>\$78.15</u>
Rounded Cost per Cubic Yard					<u>\$78.00</u>

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					<u>\$498.09</u>
Cost per Cubic Yard	\$498.09 / 27 cubic yards =				\$18.45
Plus 10% contractor profit					<u>\$1.84</u>
Total Cost per Cubic Yard					<u>\$20.29</u>
Rounded Cost per Cubic Yard					<u>\$20.00</u>

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	<u>\$847,476</u>

CAPE CANAVERAL 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. Cape Canaveral has two Intakes and no Discharges.

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

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	<u>\$2,613,056</u>

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:

<u>Description</u>	<u>Amount</u>
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	<u>\$485,848</u>

CAPE CANAVERAL DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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 gal)	TN	1	18.22	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	3,364
Subtotal					623,302		108,732		191,700

CAPE CANAVERAL DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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: Drum Waterwall, Downcomers & Tubes Piping, Valves & Silencers Radiant & Convection Superheaters Reheater Economizer Sootblowers	TN	1	3,554.00	234.30	832,702	0.00	0	120.00	426,480
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 Components	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					1,428,167		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 gal)	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	38,084
Condensate Piping	TN	1	188.79	312.40	58,353	0.00	0	120.00	22,415
Subtotal					363,259		0		138,536
Induced Draft Equipment									
Stack Breaching	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

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CAPE CANAVERAL DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	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 Tut	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 - Concret	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	7,178	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		3,096,228

CAPE CANAVERAL DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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 Superstructure	TN	1	726.00	312.40	226,802	0.00	0	120.00	87,120
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 (800 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 Firewe	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

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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
Fuel Oil Heaters	TN	25	275.00	312.40	85,910	0.00	0	120.00	33,000
Subtotal					292,624		154,821		67,818
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	87.45	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 (3,9C	TN	1	3.00	312.40	937	0.00	0	120.00	360
Condensate Recovery Flash Tank	TN	1	0.50	312.40	158	0.00	0	120.00	80
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 gal)	TN	1	0.50	312.40	156	0.00	0	120.00	80
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

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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
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 gal)	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 - Concret	CY	1	62.00	91.20	5,654	78.00	4,836	0.00	0
Manholes and Handholes	CY	1	101.00	36.48	3,664	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	189.82	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 Components	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	18,833
Enclosure (pre-cast building)	TN	1	1.48	312.40	461	0.00	0	120.00	128
Solar Collection Element (steel frame)	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:

<u>Unit</u>	<u>Year</u>
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)
<u>Cutler Common</u>				
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	526,182	669,946	343,633	852,495
<u>Other Site Costs:</u>				
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	777,136	343,633	3,439,193
Unusable M&S Inventory	709,844		70,984	638,860
	3,715,532	777,136	414,617	4,078,052
<u>Cutler Unit 5</u>				
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
<u>Cutler Unit 6</u>				
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	166,800	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	2,830,280	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	1,482,654	975,102	668,570	1,056,355	2,049,971
Cutler Unit 6	2,587,154	1,711,436	1,048,256	1,359,288	3,987,558
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:

<u>Units</u>	<u>Economic Recovery Date</u>
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					<u>\$280.28</u>

Cost per man hour $\$280.28 / 8 = \underline{\underline{\$35.04}}$

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					<u>\$37,861.12</u>

$37,861.12 / 176 \text{ hours per month} = 215.12$

Cost per man hour					\$26.89
Plus: amount for small tools					1.00
Total Cost per man hour					<u><u>\$27.89</u></u>

CUTLER DISMANTLEMENT STUDY

Equipment & Labor Summary

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

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				<u>\$1,878.00</u>
Cost per Cubic Yard	\$1,878.00 / 15.38 cubic yards =			\$122.11
Plus 10% contractor profit				<u>12.21</u>
Total Cost per Cubic Yard				<u>\$134.32</u>
Rounded Cost per Cubic Yard				<u><u>\$134.00</u></u>

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	= <u>83.72</u>
Total Cost per round Trip				<u>758.72</u>
Cost per Cubic Yard	\$758.72 / 27 cubic yards =			\$28.10
Plus 10% contractor profit				<u>2.81</u>
Total Cost per Cubic Yard				<u><u>\$30.91</u></u>
Rounded Cost per Cubic Yard				<u><u>\$31.00</u></u>

Asbestos Insulation

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

CUTLER 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 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	<u>\$564,984</u>

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.

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

* 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	<u>\$1,168,264</u>

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:

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

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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
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
					56,408		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	8.00	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	40,068	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		230,348		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	4,028	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 Components	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 & 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	158.00	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	48,292	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 Components	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
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	328	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	386.00	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	13,814	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		18,536

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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
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	63.88	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 Components	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
Foundation - Reinforced Concrete I.D. Fans	CY	1	50.00	81.80	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	81.80	432	134.00	710	0.00	0
Soot Disposal Discharge Reinforced Concrete	CY	1	5.70	81.80	485	134.00	764	0.00	0
150' Stack With Tile Lining	CY	1	187.50	81.80	15,300	134.00	25,125	0.00	0
Reinforced Concrete for Stack	CY	1	199.50	81.80	16,279	134.00	26,733	0.00	0
Concrete Stack Foundation - Concrete	CY	1	350.00	81.80	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		235,138		471,984
FERC Account 314									
Turbogenerator Unit									
Concrete Pedestal									
Reinforced Concrete	CY	1	388.80	81.80	31,728	134.00	52,099	0.00	0
Subtotal					31,728		52,099		0
Turbogenerator Equipment									
Turbine Generator	TN	1	382.50	157.50	57,094	0.00	0	120.00	43,500
Turbine Generator Copper	TN	1	22.48	817.40	13,876	0.00	0	5000.00	112,375
Turbine Generator Access Foundations	CY	1	29.00	81.80	2,386	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 - 6000 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	486.20	29,953	0.00	0	2,800.00	179,900
Condenser Foundation - Reinforced Concrete	CY	1	62.00	81.80	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	81.80	728	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	81.80	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	81.80	41	134.00	67	0.00	0
Sealing Water Sys - Cng Wtr & Gind SI Tnks	TN	1	2.05	277.20	568	0.00	0	120.00	248
Subtotal					2,899		482		1,128

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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 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									
<u>Accessory Electrical Equipment</u>									
<u>Foundations and Structures</u>									
<u>Generator Leads & Supports</u>									
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					5,843		4,435		1,505
<u>Power Conversion Equipment</u>									
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	38.50	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		12,482		151,088
FERC Account 316									
<u>Miscellaneous Power Plant Equipment</u>									
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									
<u>Improvements to Site</u>									
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
<u>Condensing and Service Water System</u>									
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 Components	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 (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 Transfer 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	180.00	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:									
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 Components	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
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	728	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	798	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 - 8' dia, 77" high	TN	1	8.30	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		28,206
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	180.00	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	13,128
Over 8" - Insulation	CY	1	89.04	63.00	5,610	31.00	2,780	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 Breaching	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 Components	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 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	198.00	1,250.00	245,000	100.00	19,800	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	195,880
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 Components	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
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	48.40	81.60	3,786	134.00	6,218	0.00	0
Auxiliary Power Trnsfmr - Reinforced Concr.	CY	1	5.50	81.60	449	134.00	737	0.00	0
Station Service Trnsfmrs - 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	4,028	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	32.84	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)
<u>DeSoto Photovoltaic Plant</u>					
<u>Production Plant</u>					
343	Prime Movers	632,046	89,785	193,442	528,388
345	Accessory Electrical Equipment	15,215	19,525	22,080	12,680
	Subtotal	647,261	109,310	215,502	541,068
<u>Other Site Costs:</u>					
	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	Material & Equipment	Burial	Salvage	Total
	(A)	(B)	(C)	(D)	(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:

<u>Units</u>	<u>Economic Recovery Date</u>
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.

DESOTO DISMANTLEMENT STUDY

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					<u>\$324.56</u>

Cost per man hour		\$324.56 / 8 =	<u>\$40.57</u>
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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	<u>\$41,426.65</u>

41,426.65 / 176	hours per month =	235.38
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Cost per man hour	\$235.38 / 8 =	\$29.42
Plus: amount for small tools		1.00
Total Cost per man hour		<u>\$30.42</u>

DESOTO DISMANTLEMENT STUDY

Equipment & Labor Summary

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

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:

<u>Components</u>	<u>Hourly Rate</u>	<u>Productivity Factor</u>	<u>Removal Factor</u>
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					<u>1,378.38</u> 4 ton deductible

Cost per Cubic Yard	\$1,378.38 / 15.38 cubic yards =	\$89.62
Plus 10% contractor profit		<u>8.96</u>
Total Cost per Cubic Yard		<u>\$98.58</u>

Rounded Cost per Cubic Yard	<u>\$99.00</u>
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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	=	<u>0.00</u>
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		<u>1.39</u>
Total Cost per Cubic Yard		<u>\$15.28</u>

Rounded Cost per Cubic Yard	<u>\$15.00</u>
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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	<u>\$564,984</u>

Desoto Photovoltaic Station				Removal	Total	Disposal	Total	Unit	Total
Removal, Disposal & Salvage		Total	Unit of	Cost per	Removal	Cost per	Disposal	Salvage	Salvage
Cost Worksheet	U	Units of	Measure	Unit of	Cost	Unit of	Cost	Value	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
Insulation	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
					<u>632,046</u>		<u>89,785</u>		<u>193,442</u>
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
Insulation	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
					<u>15,215</u>		<u>19,525</u>		<u>22,060</u>
Solar Totals					<u>647,261</u>		<u>109,310</u>		<u>215,502</u>

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:

<u>Unit</u>	<u>Year</u>
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)
<u>Ft. Lauderdale Common</u>					
<u>Production Plant</u>					
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
<u>Other Site Costs:</u>					
	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
<u>Ft. Lauderdale Unit 4</u>					
341	Structures and Improvements	1,588,122	967,104	429,840	2,125,386
342	Fuel Holders, Producers, and Accessories	235,188	51,483	71,112	215,559
343	Prime Movers	1,604,080	264,504	884,800	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	33,853	23,844	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
<u>Ft. Lauderdale Unit 5</u>					
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
<u>Ft. Lauderdale Gas Turbines</u>					
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	9,885,098	3,738,695	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	1,022,874	2,178,170	2,185,307	
Ft. Lauderdale Gas Turbines	380,854	253,903	16,008	271,444	379,321	
Total	11,202,623	13,419,618	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 is 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:

<u>Units</u>	<u>Economic Recovery Date</u>
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 – pre-cut 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					<u>\$280.28</u>
Cost per man hour			\$280.28 / 8 =		<u>\$35.04</u>

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					<u>\$37,861.12</u>
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					<u>\$27.89</u>

Equipment & Labor Summary

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

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:

<u>Components</u>	<u>Hourly Rate</u>	<u>Productivity Factor</u>	<u>Removal Factor</u>
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						<u>1,290.00</u>
Cost per Cubic Yard	\$1,290.00	/ 15.38 cubic yards =				\$83.88
Plus 10% contractor profit						8.39
Total Cost per Cubic Yard						<u>\$92.26</u>
Rounded Cost per Cubic Yard						<u>\$92.00</u>

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						<u>\$650.00</u>
Cost per Cubic Yard	\$650.00	/ 27 cubic yards =				\$24.07
Plus 10% contractor profit						2.41
Total Cost per Cubic Yard						<u>\$26.48</u>
Rounded Cost per Cubic Yard						<u>\$26.00</u>

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, supervision, security, etc..

Site Management Expenses per month	\$47,082
Number of months	24
Total Site Management Expenses	<u>\$1,129,968</u>

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:

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

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	<u>\$63,579</u>
Total Grading and Seeding Expense	<u>\$2,905,560</u>

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:

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

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	16,846	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		3,074,645		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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Pipe 4" 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
8" - 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 - 600Volt 1/C #6 & > PC	TN	15	756.00	11,340	0.00	0	2,100.00	31,500
Sched. Wire & Cable - 600Volt 1/C #6 & > PC	TN	3	756.00	2,268	0.00	0	2,100.00	6,300
Sched. Wire & Cable - 600Volt M/C #8 & > PC	TN	1	756.00	756	0.00	0	2,100.00	2,100
Sched. Wire & Cable - 600Volt M/C #8 & > PC	TN	25	756.00	18,900	0.00	0	2,100.00	52,500
Sched Wire & Cable - 600Volt M/C #6 & < CC	TN	8	756.00	6,048	0.00	0	2,100.00	16,800
Wire 400R>(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	18	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	248	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	61,890	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	481	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	4,980	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	8	81.60	653	92.00	736	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 - Blog Girders/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	55,682	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
HRSR 4A - Base Plates	TN	20	277.20	5,544	0.00	0	120.00	2,400
HRSR 4B - Base Plates	TN	25	277.20	6,930	0.00	0	120.00	3,000
HRSR 4A - Top Casing & Roof Steel	TN	8	277.20	2,218	0.00	0	120.00	960
HRSR 4B - Top Casing & Roof Steel	TN	8	277.20	2,218	0.00	0	120.00	960
HRSR 4 Diffusers	TN	7	277.20	1,940	0.00	0	120.00	840
HRSR 4A - Inlet BD & SCR DT	TN	121	447.30	54,123	0.00	0	120.00	14,520
HRSR 4A - Inlet BD & SCR DT	TN	121	447.30	54,123	0.00	0	120.00	14,520
HRSR 4A - Miscellaneous Platforms & Stairs	TN	3	447.30	1,342	0.00	0	120.00	360
HRSR 4B - Miscellaneous Platforms & Stairs	TN	3	447.30	1,342	0.00	0	120.00	360
HRSR 4 Small Bore Pipe	TN	25	210.00	5,250	0.00	0	120.00	3,000
HRSR 4A - SM Pipe, Supports, Valves	TN	8	277.20	2,218	0.00	0	120.00	960
HRSR 4B - SM Pipe, Supports, Valves	TN	8	277.20	2,218	0.00	0	120.00	960
HRSR 4A - Silencers & Supports	TN	8	207.90	1,663	0.00	0	120.00	960
HRSR 4B - Silencers & Supports	TN	8	207.90	1,663	0.00	0	120.00	960
HRSR 4 Large Bore Pipe	TN	50	207.90	10,395	0.00	0	120.00	6,000
HRSR 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	8,780
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" & Under 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	28.00	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" & Under 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 H2O 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	12,268	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	90,066	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	468.20	9,660	0.00	0	5,000.00	103,900
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	32.84	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
#8 & > 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	32.84	3,284	92.00	9,200	0.00	0
Cooling System	CY	68	32.84	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		185,312		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	9,358	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	55,862	0.00	0	120.00	24,096
Pipe Insulation	CY	229	63.00	14,427	28.00	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				155,581		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	79,895	0.00	0	120.00	60,720
CT 5B	TN	506	157.50	79,895	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 H2O 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	27,338	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	486.20	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	18	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	82	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-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
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 - PI & Surge Cubicle	TN	2	277.20	554	0.00	0	120.00	240
Isophase Bus & As - Gener. Bus Grnd. Xfmr	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

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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	284	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				<u>522,245</u>		<u>0</u>		<u>226,080</u>
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				<u>6,924</u>		<u>0</u>		<u>18,864</u>
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
				<u>5,796</u>		<u>0</u>		<u>26,500</u>
Total Lauderdale Gas Turbines				<u>547,205</u>		<u>13,800</u>		<u>271,444</u>
Total Common, Units 4 & 5 and GTs				<u>11,600,157</u>		<u>5,893,300</u>		<u>6,141,744</u>

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 GE 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)
<u>Ft. Myers Common</u>					
<u>Production Plant</u>					
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	498,683	104,879	637,452	(33,891)
345	Accessory Electrical Equipment	247,211	82,271	496,380	(166,898)
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	1,668,347	1,384,958	1,293,633	1,759,672
<u>Other Site Costs:</u>					
	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 Unusable M&S	\$7,809,888	\$1,606,551	\$1,293,633	\$6,122,808
	Unusable M&S Inventory	2,771,680	0	277,168	2,494,512
	Total Ft. Myers Common Including Unusable M&S	10,581,568	1,606,551	1,570,801	10,617,318
<u>Ft. Myers Unit 2</u>					
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		2,281,445
	Total Ft. Myers Unit 2	\$12,204,622	\$4,190,854	\$5,187,511	\$11,207,965
<u>Ft. Myers Unit 3</u>					
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
<u>Ft. Myers Gas Turbines</u>					
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	111,803	(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	\$2,506,009
	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	\$10,517,318
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:

<u>Unit</u>	<u>Economic Recovery Date</u>
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					<u>\$324.56</u>

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	<u>231.75</u>
Total per month	<u>\$41,426.65</u>

$41,426.65 / 176$ 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		<u>\$30.42</u>

FT. MYERS DISMANTLEMENT STUDY

Equipment & Labor Summary

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

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:

<u>Components</u>	<u>Hourly Rate</u>	<u>Productivity Factor</u>	<u>Removal Factor</u>
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					<u>1,378.38</u> 4 ton deductible

Cost per Cubic Yard	\$1,378.38 / 15.38 cubic yards =	\$89.62
Plus 10% contractor profit		<u>8.96</u>
Total Cost per Cubic Yard		<u>\$98.58</u>

Rounded Cost per Cubic Yard	<u>\$99.00</u>
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Insulation - Calcium Sillicate

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 sillicate 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 Sillicate

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					<u>375.00</u> 6 ton deductible

Cost per Cubic Yard	\$375.00 /27 cubic yards =	\$13.89
Plus 10% contractor profit		<u>1.39</u>
Total Cost per Cubic Yard		<u>\$15.28</u>

Rounded Cost per Cubic Yard	<u>\$15.00</u>
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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	<u>\$847,476</u>

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.

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

FT. MYERS 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.

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

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:

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

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	81.20	648	99.00	704	0.00	0
Yard Lighting	TN	2	504.10	756	0.00	0	120.00	180
Subtotal				207,822		560,338		180
Domestic Water Distribution System and Water Treatment								
Service Water Booster Pump	TN	2	312.40	489	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, Compl.	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
Causitic 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	458	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 Bldg - (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	6,118	0.00	0
Station Warehouse - Steel Bldg - 32' x 64' 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				102,106		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	CY	8	91.20	774	99.00	841	0.00	0
48" R/Concrete Pipe								

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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	189	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	892	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

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
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 BBI)	TN	27	n/a	17,045	0.00	0	120.00	3,199
Boiler Blowdown Tank (6,000 BBI)	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	35,308	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								

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
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" dischg(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	14,883	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 Hanholes - 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	36,528	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	116,368
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	177,578
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		498,390
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	3,230
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	118,098	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	9,687	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		11,898
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	908	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	968
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

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
<u>HRSG Enclosures</u>								
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		166,300
<u>HRSG Pressure Parts</u>								
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
<u>Industrial Gas Turbine</u>								
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
<u>Stm Gen/Blr/HRSG Blowdown Cooling System</u>								
WSA Blowdown Pump	TN	0.88	312.40	275	0.00	0	120.00	106
				275		0		106
<u>Reheat System</u>								
HRH Hot Reheat Valves	TN	60.00	312.40	18,744	0.00	0	120.00	7,200
				18,744		0		7,200
<u>Steam Turbine</u>								
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
<u>Condensate Transfer System</u>								
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
<u>Condenser Air Removal System</u>								
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
<u>Condenser Cooling Water Pump System</u>								
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

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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
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		28,084
Total Account 343				8,315,796		2,403,289		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	668	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				383,498		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								
Account 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
Account 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	378,300	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
Colling 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	2,782	0.00	0	120.00	1,081
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
Miscellaneous 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	2,388	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	784	0.00	0	120.00	391
Miscellaneous Process Tanks	TN	5.30	234.30	1,242	0.00	0	120.00	636
Condensate Transfer System 2" & < - Pipe	TN	2.15	312.40	672	0.00	0	120.00	258
Condensate Transfer 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		267,967
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				104,808		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:

<u>Unit</u>	<u>Year</u>
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:

<u>Unit</u>	<u>Year</u>
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	202,814			202,814
	Grading & Seeding	3,089,939			3,089,939
	Subtotal	5,548,936	0	0	5,548,936
	Contingency - 16%	9,228,963	4,550,079	419,653	13,359,389
		1,478,634	728,013		2,204,647
	Unusable M&S Inventory	10,705,598	5,278,091	419,653	15,564,036
		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		187,133	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	287,828	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	1,699,778	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	3,678,058	647,898	2,428,928	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	3,899,057	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	18,209,369	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:

<u>Units</u>	<u>Economic Recovery Date</u>
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					<u>\$327.31</u>
Cost per man hour			\$327.31 / 8 =		<u>\$40.91</u>

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					<u>\$41,426.65</u>
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					<u>\$30.42</u>

MANATEE DISMANTLEMENT STUDY

Equipment & Labor Summary

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

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:

<u>Components</u>	<u>Hourly Rate</u>	<u>Productivity Factor</u>	<u>Removal Factor</u>
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					<u>2,008.63</u>
Cost per Cubic Yard	\$2,008.63 / 15.38 cubic yards =				\$130.60
Plus 10% contractor profit					<u>13.06</u>
Total Cost per Cubic Yard					<u>\$143.66</u>
Rounded Cost per Cubic Yard					<u>\$144.00</u>

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					<u>625.25</u>
Cost per Cubic Yard	\$625.25 / 27 cubic yards =				\$23.16
Plus 10% contractor profit					<u>2.32</u>
Total Cost per Cubic Yard					<u>\$25.47</u>
Rounded Cost per Cubic Yard					<u>\$25.00</u>

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, supervision, security, etc..

Site Management Expenses per month	\$47,082
Number of months	24.00
Total Site Management Expenses	<u>\$1,129,968</u>

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:

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

* 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.

MANATEE 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.

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

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:

<u>Description</u>	<u>Amount</u>
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	<u><u>\$1,126,415</u></u>

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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	5,028
Subtotal					21,114		0		5,028
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	892.00	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	4.85	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		34,281
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

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MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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	5,856	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		128,576		18,864
<u>Raw Water Make-up System</u>									
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	428.00	14,480	0.00	0	0.00	0
Subtotal					47,709		29,232		7,040
<u>Open Cooling Water System</u>									
36" Piping/ Misc. Vlvs - Iron	TN	1	4.82	428.00	2,052	0.00	0	120.00	578
Subtotal					2,052		0		578
<u>Other Service Water System</u>									
Service Water Pump w/ 125 hp motor	TN	2	2.25	312.40	701	0.00	0	120.00	289
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	123,896	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		123,896		21,978
<u>Neutralization Basin</u>									
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	16.28	504.10	8,195	0.00	0	0.00	0
Subtotal					77,414		105,840		726
<u>Discharge Structure</u>									
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
<u>Station Structures</u>									
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	21,488
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	7,898	0.00	0	120.00	1,832

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet		Unit of Measure	Number of Components	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
<u>Fuel and Ash Structures</u>										
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
<u>Service Building</u>										
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
<u>Other Buildings</u>										
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 Components	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 Chlorine 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	18,583
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	4,880
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		27,785
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					87,383		0		35,423
FERC Account 315									
Accessory Electrical Equipment									
Power Conversion Equipment									
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

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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
Conduit (underground) - Steel	TN	1	47.70	428.00	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		187,712		94,283
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	184.00	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	428.00	40,772	0.00	0	120.00	11,485
Piping, Vlvs Over 8" - Iron	TN	1	71.84	428.00	30,519	0.00	0	120.00	8,597
Fiberglass Piping, Vlvs	TN	1	12.18	428.00	5,188	0.00	0	120.00	1,482
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	428.00	919	0.00	0	120.00	259
Piping Over 8" - Iron	TN	1	132.39	428.00	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		27,685
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	18.00	504.10	8,068	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 (86") - 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

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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
Discharge Piping (66") - Reinforced Concrete	TN	1	615.28	349.80	215,094	0.00	0	0.00	0
Discharge Piping (114") - Reinforced Concrete	TN	1	2,764.80	349.80	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, Vvvs Under 4" - Steel	TN	1	2.98	504.10	1,500	0.00	0	120.00	357
Piping, Vvvs 4" to 8" - Steel	TN	1	30.87	312.40	9,644	0.00	0	120.00	3,704
Piping, Vvvs Over 8" - Steel	TN	1	3.90	234.30	913	0.00	0	120.00	468
Piping, Vvvs Under 4" - Iron	TN	1	1.34	426.00	571	0.00	0	120.00	161
Piping, Vvvs 4" to 8" - Iron	TN	1	44.50	426.00	18,958	0.00	0	120.00	5,340
Piping, Vvvs 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	348.80	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	14.18	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	4.83	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	85,804
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 Components	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, Vivs Under 4" - Steel	TN	1	122.18	504.10	61,593	0.00	0	120.00	14,862
Piping, Vivs 4" to 8" - Steel	TN	1	80.37	312.40	25,106	0.00	0	120.00	9,644
Piping, Vivs Over 8" - Steel	TN	1	118.31	234.30	27,721	0.00	0	120.00	14,198
Piping, Vivs 4" to 8" - Iron	TN	1	39.50	426.00	16,825	0.00	0	120.00	4,740
Piping, Vivs Over 8" - Iron	TN	1	66.35	426.00	28,264	0.00	0	120.00	7,962
Piping, Vivs - 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	588.00	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, Vivs Under 4" - Steel	TN	1	65.95	504.10	33,244	0.00	0	120.00	7,914
Piping, Vivs 4" to 8" - Steel	TN	1	30.45	312.40	9,513	0.00	0	120.00	3,654
Piping, Vivs 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 Components	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	483
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	18.89	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	488
System Piping, Vlvs Under 4" - Steel	TN	1	102.10	504.10	51,489	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					428,836		72,601		171,991
<u>Closed Cooling Water System Equipment</u>									
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
<u>Boiler Plant Piping - All Systems</u>									
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	496,756	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
<u>Induced Draft Equipment</u>									
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 Components	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		307,286
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	15,282	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 Eqmnt	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	9,888	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									

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MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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	11,816
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
Xfmr/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 Cyberex 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	96.78	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		1,899,776		2,255,629

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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, Vvvs Under 4" - Steel	TN	1	128.62	504.10	64,835	0.00	0	120.00	15,434
Compressed Air Piping, Vvvs 4" to 8" - Steel	TN	1	5.09	312.40	1,591	0.00	0	120.00	611
Nitrogen Purge Piping, Vvvs 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	3,380
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	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/ Strm Frndtion - 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 Components	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	1.00	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 Cntr 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									

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MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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
HRSNG 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
HRSNG Analyzer Building	CY	500	200.00	91.20	18,240	144.00	28,800	0.00	0
HRSNG 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
HRSNG 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	63.58	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
					123,877		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

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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 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 Foundations 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 Drain Tanks	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

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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
Main Steam System 2" & < - Pipe	TN	5,100	15.30	312.40	4,780	0.00	0	120.00	1,838
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		50,948
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
HRSO Chemical Fd. System 2" & < - Pipe	TN	1,300	1.85	312.40	609	0.00	0	120.00	234
HRSO 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
Condensate Transfer System 2" & < - Pipe	TN	2,500	3.75	312.40	1,172	0.00	0	120.00	450
Condensate Transfer 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		6,288
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
HRSO Stack									

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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	9,185	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					3,878,056		647,896		2,428,928
Account 344: Generators									
Steam Turbine Foundation Mat Concrete	CY	800	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 Components	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	689,268	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	84	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

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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					<u>20,352</u>		<u>0</u>		<u>7,968</u>
Unit 3 Totals					<u>6,538,202</u>		<u>2,291,304</u>		<u>3,721,135</u>
Grand Totals Martin Fossil, Fuel Oil Facility and Combined Cycle					<u>36,946,472</u>		<u>23,613,508</u>		<u>15,932,266</u>

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:

<u>Unit</u>	<u>Year</u>
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:

<u>Unit</u>	<u>Year</u>
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)
<u>Martin Common</u>					
<u>Production Plant</u>					
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
<u>Other Site Costs:</u>					
	Site Management Expenses	1,129,988			1,129,988
	Asbestos Abatement Costs	235,000			235,000
	Special Waste & Washwater Intake & Discharge Backfill	822,340			822,340
	Grading & Seeding	158,486			158,486
	Subtotal	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 Unusable	16,924,786	2,408,231	782,232	18,550,786
<u>Martin Fuel Oil Storage Facility</u>					
311	Structures and Improvements	6,559,053	5,595,203	2,587,478	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
	Subtotal	7,768,727	6,493,710	2,786,873	11,475,584
	Unusable M&S Inventory	4,262,081	0	426,208	3,835,873
	Total Common to Fossil Including Unusable	12,030,808	6,493,710	3,213,081	15,311,437
<u>Martin Units 1 & 2</u>					
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
<u>Martin Unit 3</u>					
341	Structures and Improvements	1,788,319	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	802,780	258,418	486,173	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
<u>Martin Unit 4</u>					
341	Structures and Improvements	1,104,162	567,557	715,957	955,762
342	Fuel Holders, Producers and Accessories	31,460	0	14,888	16,572
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	489,820	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)
<u>Martin Unit 8</u>					
341	Structures & Improvements	1,422,081	566,805	373,815	1,615,070
342	Fuel Holders, Producers and Accessories	68,180	1,089,820	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%	1,020,878	389,007		1,409,883
	Total Martin Unit 8	7,399,900	2,820,299	4,268,476	5,951,724
<u>Martin Solar</u>					
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
	Subtotal	6,743,155	813,187	2,590,974	4,965,368
	Site Management Expenses	564,984			564,984
	Subtotal	7,308,139	813,187	2,590,974	5,530,352
	Contingency - 16%	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	8,493,710	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	2,959,980	2,820,299	4,268,478	5,951,724
Martin Solar Terminal	5,086,465	3,390,976	943,296	2,590,974	6,829,764
Total	42,369,105	35,601,782	23,544,436	26,923,210	74,592,083

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:

<u>Units</u>	<u>Economic Recovery Dates</u>
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					<u>\$280.28</u>
Cost per man hour			\$280.28 / 8 =		<u>\$35.04</u>

Equipment Rate

The equipment rate is based on the following equipment:

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

MARTIN DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$35.04
Equipment	27.89
Total	<u>\$62.93</u>

Rounded	<u>\$63.00</u>
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For Concrete demolition add \$5.00 per hour additional equipment charge.	<u>\$68.00</u>
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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:

<u>Components</u>	<u>Hourly Rate</u>	<u>Productivity Factor</u>	<u>Removal Factor</u>
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 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.

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					<u>1,160.00</u>

MARTIN DISMANTLEMENT STUDY

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

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					<u>475.00</u>
Cost per Cubic Yard	\$475.00 / 27 cubic yards =				\$17.59
Plus 10% contractor profit					1.76
Total Cost per Cubic Yard					<u>\$19.35</u>
Rounded Cost per Cubic Yard					<u>\$19.00</u>

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, supervision, security, etc..

Site Management Expenses per month	\$47,082
Number of months	24.00
Total Site Management Expenses	<u>\$1,129,968</u>

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.

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

* 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	<u>\$63,579</u>
Total Grading and Seeding Expense	<u><u>\$6,694,869</u></u>

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:

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

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 (1261	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, Vvls 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 - Reir	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	56,487	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 - Stk	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	Jnit of leasur	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
Deminerlizer w/ 7.5 hp motor	TN	2	1.18	2.36	277.20	654	0.00	0	120.00	283
Deminerlizer 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	6,800
Piping, Vvvs 4" to 8" - Steel	TN	1	3.67	3.67	447.30	1,640	0.00	0	120.00	440
Piping, Vvvs	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. Vvvs - 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 - 500,000 g	TN	1	55.00	55.00	207.90	11,435	0.00	0	120.00	6,800
Potable Water Storage Tank - 14,000 g	TN	1	5.50	5.50	277.20	1,525	0.00	0	120.00	660
Piping, Vvvs Under 4" - Steel	TN	1	62.26	62.26	447.30	27,848	0.00	0	120.00	7,471
Piping, Vvvs 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 Parv	TN	1	1.55	1.55	447.30	693	0.00	0	120.00	186
Piping, Vvvs - 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 - Ir	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 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
Acid Lift Station Pump w/ 100 hp mot	TN	2	4.58	9.18	277.20	2,543	0.00	0	120.00	1,101
90-Ton Gantry Crane w/ 30-Ton Aux	TN	1	178.90	178.90	207.90	37,193	0.00	0	120.00	21,488
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	TN	1	15.27	15.27	447.30	6,830	0.00	0	1340.00	20,482
Control Bldg - Concrete Block	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	18,281
Control Bldg - Built-up Roofing	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	19.85	19.85	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	1.18	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	28,052
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	CY	1	494.39	494.39	32.64	16,137	83.00	41,034	0.00	0
Interior Partitions - Conc Block	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 - 187,000 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	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 Chlomt)	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	97,809	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 - Steel	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 - Steel	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	2,602
Air Compressor - 308 cfm w/ 40 hp rr	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	5.18	5.18	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 - Si	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 Equipment										
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 - Rt	CY	1	133.00	133.00	81.60	10,853	83.00	11,039	0.00	0
Station Svc Trnsfmr - 2,500 kva (oil-480V Motor Control Center	TN	1	7.80	7.80	447.30	3,489	0.00	0	120.00	936
2400V Switchgear	TN	1	3.50	3.50	447.30	1,566	0.00	0	120.00	420
Neutral Grounding Transformer - Ste	TN	1	7.57	7.57	447.30	3,384	0.00	0	120.00	908
Emergency Diesel Generator & Acce	TN	2	4.00	8.00	447.30	3,578	0.00	0	120.00	960
480V Emergency Diesel Load Center	TN	1	11.83	11.83	277.20	3,276	0.00	0	120.00	1,419
Underground Conduit, Ducts - Reinf (CY	1	3.70	3.70	447.30	1,655	0.00	0	120.00	444
Conduit (underground) - Steel	TN	1	690.00	690.00	312.80	215,832	0.00	0	0.00	0
Conduit (exposed) - Steel	TN	1	47.70	47.70	378.00	18,031	0.00	0	120.00	5,724
Copper Wiring - Insulated	TN	1	11.12	11.12	447.30	4,975	0.00	0	120.00	1,335
Total Account 315			9.44	9.44	756.00	7,139	0.00	0	2100.00	19,830
FERC Account 316						309,510		11,039		74,648
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		2,076,081		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 Concret	CY	1	1,043.00	2,086.00	81.60	170,218	83.00	173,138	0.00	0	
Grating & Floor Plating - Steel	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	824	
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	1,899
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 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
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	148.00	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 Coupling	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, Vvvs Under 4" - Steel	TN	1	122.18	122.18	447.30	54,653	0.00	0	120.00	14,662
Piping, Vvvs 4" to 8" - Steel	TN	1	80.37	80.37	277.20	22,277	0.00	0	120.00	9,644
Piping, Vvvs Over 8" - Steel	TN	1	118.31	118.31	207.90	24,597	0.00	0	120.00	14,198
Piping, Vvvs 4" to 8" - Iron	TN	1	39.50	39.50	378.00	14,930	0.00	0	120.00	4,740
Piping, Vvvs Over 8" - Iron	TN	1	66.35	66.35	378.00	25,079	0.00	0	120.00	7,962
Piping, Vvvs - 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	Jnit of measu	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
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 Reservoir	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 Conditor	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	8.33	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

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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
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		483,769
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
ID Fan Hoist - 20 Ton	TN	1	2.10	4.20	277.20	1,164	0.00	0	120.00	504
Dust Collector, Vibrating System, Our	TN	1	512.50	1,025.00	277.20	284,130	0.00	0	120.00	123,000
Stack Breaching Foundation - Reinf C	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	6,180.00	6,180.00	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 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
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, Vvvs Under 4" - Steel	TN	1	26.78	26.78	447.30	11,979	0.00	0	120.00	3,214
Piping, Vvvs 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 t	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, Vvvs Under 4" - Steel	TN	1	19.58	19.58	447.30	8,757	0.00	0	120.00	2,349
Piping, Vvvs 4" to 8" - Steel	TN	1	10.80	10.80	277.20	2,993	0.00	0	120.00	1,296
Piping, Vvvs 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
Audiliary 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 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
Aux Transformer Foundation - Reinforced	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 - Strux	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 System	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 Cyberex 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 Control	TN	1	25.58	51.16	447.30	22,884	0.00	0	120.00	6,139
Main Boiler-Turbine Generator Control	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 Concrete	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, Vvvs Under 4"	TN	1	128.62	128.62	447.30	57,530	0.00	0	120.00	15,434
Compressed Air Piping, Vvvs 4" to 8"	TN	1	5.09	5.09	277.20	1,411	0.00	0	120.00	611
Nitrogen Purge Piping, Vvvs 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 (Inç)	TN	2	5.43	10.85	277.20	3,008	0.00	0	120.00	1,302
Pump/ Motor Foundations - Reinforced	CY	1	90.00	90.00	81.60	7,344	83.00	7,470	0.00	0
30" F/O Piping to WPB Facility - Steel	TN	1	8,147.74	8,147.74	378.00	3,079,846	0.00	0	120.00	977,729
Pre-cast Pipeline Weights - Reinforced Concrete	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 - Rt	CY	1	400.00	400.00	81.60	32,640	83.00	33,200	0.00	0
Potable Water Piping, Vivs 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" - li	TN	1	93.95	93.95	378.00	35,512	0.00	0	120.00	11,274
Oil Waste Separator, Pump/mtr (abr	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	51,880	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, Vivs Under	TN	1	15.41	15.41	447.30	6,893	0.00	0	120.00	1,849
F/O Transfer Yard Ppng, Vivs 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, Vivs Over 8'	TN	1	213.86	213.86	207.90	44,461	0.00	0	120.00	25,863
Steam Trace Piping, Vivs Under 4" -	TN	1	64.06	64.06	447.30	28,655	0.00	0	120.00	7,688
18" Undrgmd 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 Equipr	TN	1	17.05	17.05	207.90	3,545	0.00	0	120.00	2,046
Metering Installation & Assoc Eqpmr	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		n/a	350,000	120.00	0
Fuel Oil Purge Tank - 110,000 bbl - S	EA	1			n/a		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, Vivs 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, Vivs Under 4" - Stee	TN	1	7.11	7.11	447.30	3,179	0.00	0	120.00	853
Light Oil Piping, Vivs 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 - F	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 Cen	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 Tmsfmr 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) - P	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
					18,411		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

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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	18,320	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 2 1/2" & > - 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 2 1/2" & > 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	8,789	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	1,388	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
					209,831		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	298
Feedwater System - 2 1/2" & > Pipe	1,466	51.31	TN	207.90	10,667	0.00	0	120.00	6,157
HRSR HP Feedwater Pumps	4	8.25	TN	207.90	1,716	0.00	0	120.00	990
HRSR LP Feedwater Pumps	4	8.25	TN	207.90	1,716	0.00	0	120.00	990
HRSR Feedwater Pump Foundations	615	815.00	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	6,280	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									
HRSR Blowdown System 2" & < - Pipe	681	1.02	TN	277.20	283	0.00	0	120.00	123
HRSR 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
HRSR 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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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	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	4.38	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	1,463	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	158	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	7,782
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	6.87	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	1,057,800
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	438	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	0.28	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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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 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	1,863	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 Storage Tank Fdn	140	140.00	CY	81.60	11,424	83.00	11,620	0.00	0
Deminerlizer 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 Storage Tanks	1	85.00	TN	277.20	23,562	0.00	0	120.00	10,200
					102,639		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	50,982	83.00	51,480	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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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
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	7,823	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	5,784	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	3,896	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	58845	61.88	TN	756.00	46,778	0.00	0	2,100.00	128,939
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	33,985
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

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 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		1,803,783		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	16,800	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

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
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	280
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		14,866
Account 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	182.30	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	18.66	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

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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		627,667
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 Foundations 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	139,608	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	29,688	0.00	0	120.00	22,620
C.T. 4B Combustion Turbine	1	188.50	TN	157.50	29,688	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 Drain Tanks	2	2.88	TN	207.90	598	0.00	0	120.00	345
HRSG Blowdown Tanks - Insulation	322	3.58	CY	83.00	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

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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
Condensate Transfer System 2" & < - Pipe	1,434	2.15	TN	277.20	596	0.00	0	120.00	258
Condensate Transfer 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	1.28	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		1,342,616
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	18.00	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									

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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
HRSO 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									

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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	60.85	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	385	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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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
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		6,397,364
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		16,693
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

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
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
Account 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	28,400
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
Account 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 Foundations 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	2,900	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 Drain Tanks	4	5.75	TN	207.90	1,195	0.00	0	120.00	680
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

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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	83.00	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	10.80	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	82.80	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 Caisns	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

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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
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	85	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	184,631	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	689288	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

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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
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
					<u>7,666</u>		<u>6,723</u>		<u>608</u>
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	283
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	1,831
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					<u>18,400</u>		<u>0</u>		<u>7,966</u>
Unit 8 Totals					8,379,225		2,431,293		4,268,476
Grand Totals for Martin Combined Cycle					15,015,478		5,750,583		10,885,840
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
					<u>119,547</u>		<u>119,977</u>		<u>720</u>
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	269,683
End Pylon	125	194.50	TN	277.20	53,915	0.00	0	120.00	23,340

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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	168.38	TN	277.20	48,119	0.00	0	120.00	19,985
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
<u>Pipe Rack Solar to Heat Exchangers</u>									
Foundation	1	872.80	CY	81.60	71,220	83.00	72,442	0.00	0
Pipe Rack	1	71.00	TN	207.90	14,781	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	3,787	0.00	0	120.00	1,631
Relief Valves	2	3.00	TN	277.20	632	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	5,644	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	0.88	TN	277.20	188	0.00	0	120.00	81
Cathodic Protection System	2,680	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
					<u>6,570,054</u>		<u>693,210</u>		<u>2,551,230</u>
<u>Account 345 - Accessory Electric Equipment</u>									
<u>Solar Thermal System</u>									
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
					<u>53,554</u>		<u>0</u>		<u>39,024</u>
Solar Totals					<u><u>6,743,155</u></u>		<u><u>813,187</u></u>		<u><u>2,590,874</u></u>

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:

<u>Unit</u>	<u>Year</u>
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	5,159,641	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	14,176,745
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	1,806,067	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	724,863	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	1,824,471	1,685,732	115,908	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	6,262,881	8,032,587	930,741	16,644,458
Port Everglades Units 1 & 2	16,975,807	11,317,205	3,829,385	3,989,578	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	183,015	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:

<u>Unit</u>	<u>Economic Recovery Date</u>
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 – precast 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					<u>\$280.28</u>

Cost per man hour $\frac{\$280.28}{8} = \underline{\underline{\$35.04}}$

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	<u>\$37,860.90</u>

$\frac{37,860.90}{176 \text{ hours per month}} = 215.12$

Cost per man hour	$\frac{\$215.12}{8} =$	\$26.89
Plus: amount for small tools		1.00
Total Cost per man hour		<u>\$27.89</u>

PORT EVERGLADES DISMANTLEMENT STUDY

Equipment & Labor Summary

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

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:

<u>Components</u>	<u>Hourly Rate</u>	<u>Productivity Factor</u>	<u>Removal Factor</u>
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					<u>\$1,290.00</u>
Cost per Cubic Yard		\$1,290.00 / 15.38 cubic yards =			\$83.88
Plus 10% contractor profit					8.39
Total Cost per Cubic Yard					<u>\$92.26</u>
Rounded Cost per Cubic Yard					<u>\$92.00</u>

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 Sillicate 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					<u>650.00</u>
Cost per Cubic Yard		\$650.00 / 27 cubic yards =			\$24.07
Plus 10% contractor profit					2.41
Total Cost per Cubic Yard					<u>\$26.48</u>
Rounded Cost per Cubic Yard					<u>\$26.00</u>

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, supervision, security, etc..

Site Management Expenses per month	\$47,082
Number of months	24.00
Total Site Management Expenses	<u>\$1,129,968</u>

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:

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

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	<u>\$3,356,971</u>

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:

<u>Description</u>	<u>Amount</u>
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	<u>\$25,963,470</u>

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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
<u>Port Everglades Common</u>									
<u>FERC Account 311</u>									
<u>Improvements to Site</u>									
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
<u>Condensing & Service Water System</u>									
Service Water Tanks	TN	1	3.00	277.20	832	0.00	0	120.00	360
<u>Intake & Discharge</u>									
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
					118,428		123,648		0
<u>Station Structures</u>									
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	158,923	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	135.80	277.20	37,588	0.00	0	120.00	16,272
					948,115		637,284		219,504
<u>Oil Storage Facilities</u>									
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	103,832	92.00	118,840	0.00	0
					121,650		118,840		7,800
<u>Building Equipment</u>									
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
<u>Tank Farm</u>									
#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
<u>Service Building</u>									
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 Components	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		5,159,641		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	14,188	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	53.98	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 Components	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	1,798	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	2,686.00	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		456,871		145,701
Boiler Equipment									
Boiler Frame & Platforms	TN	1	2,632.00	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	138,683	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									

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PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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	2,117.88		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	8,008	0.00	0	120.00	3,488
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	16.80	277.20	4,802	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	4,800.00	1,250.00	5,750,000	100.00	480,000	0.00	0
Deaerator	TN	1	40.00	207.90	8,316	0.00	0	120.00	4,800
Boiler Feed Pumps	TN	3	80.00	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	80.00	277.20	16,632	0.00	0	120.00	7,200
Condensate Storage Tank - Foundation	CY	1	84.00	81.60	5,222	92.00	5,888	0.00	0
Boiler Blowoff Tank	TN	1	2.18	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	480,000	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
CW Ht Exch - Foundation	CY	1	44.00	81.60	3,560	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	188.63	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	1,278
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	4,578	0.00	0	120.00	2,641
Subtotal					5,144,387		400,000		83,340
Water Piping									
Deminerlized 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	180.30	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 Components	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 Breaching	TN	1	74.38	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	148,880	28.00	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	25,118	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					21,440,465		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	4,880
Butterfly Valves	TN	2	17.19	277.20	4,768	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 Components	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	964	0.00	0	120.00	426
Turbine Lube Cooler	TN	1	17.80	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	81.80	8,894	92.00	10,028	0.00	0
Foundations - Reinforced Concrete	CY	1	18.00	81.80	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	28.29	466.20	12,256	0.00	0	5,000.00	131,450
One-Section (TE 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	28,827	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	580.00	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	36,188
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					388,179		0		1,072,719
Total Account 315					819,333		63,204		1,282,192
TOTAL PORT EVERGLADES UNIT 1 & 2					24,390,527		3,301,194		3,989,678

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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	158,216	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	15,842	0.00	0	120.00	8,771
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	1,094.87	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	63,848	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	48.00	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	38.00	81.60	2,938	92.00	3,312	0.00	0
Ash Disposal Lines - 10"	CY	1	228.67	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 Transfr 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		1,865,732		115,906

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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	92.00	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	25,384	0.00	0	120.00	14,840
3,500 HP Motors - 4000v, 1200 rpm	TN	2	32.00	207.90	6,853	0.00	0	120.00	3,840
Forced Draft Fan Air Ducts	TN	2	1,228.80	277.20	340,823	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	2,484.00	207.90	512,266	0.00	0	120.00	295,680
Platforms, Grating & Handrails	TN	1	474.00	447.90	212,020	0.00	0	120.00	58,880
Boiler - including:	TN	1	8,084.00	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	83.00	42,840	26.00	17,880	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		112,880		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	12,980
Concrete	CY	1	238.00	81.60	19,421	92.00	21,896	0.00	0
Condensate Storage Tank - 150,000 gal	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	17,136	92.00	19,320	0.00	0
Subtotal					1,364,348		136,218		71,076

PORT EVERGLADES DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	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	28.29	207.90	5,466	0.00	0	120.00	3,155
Cold Reheat Piping - 32 Inch OD	TN	1	40.82	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	84.00	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	22,784
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	80.00	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	18,800
Concrete Stack Foundation	CY	1	1,652.00	81.60	134,803	92.00	151,984	0.00	0
Subtotal					528,253		532,144		18,800
Miscellaneous Steel & Equipment	TN	1	525.23	447.30	234,835	0.00	0	120.00	63,028
Total Account 312					9,234,368		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	418
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	758.00	393,120	0.00	0	120.00	62,400
Turbine Copper	TN	1	118.00	617.40	71,818	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 Components	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" dischg	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 - 8,500 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					1,643,089		307,832		2,636,909
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	53.98	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 - 4,180v Metalclad	TN	1	80.00	447.30	35,784	0.00	0	120.00	9,600
Switchgear - 480v Metalclad	TN	1	38.00	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					346,617		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	448.40	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 Components	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					185,842		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	16,580	0.00	0	120.00	9,576
Total Account 344					216,089		0		180,456
FERC Account 345									
Accessor Electrical Equipment									
Transformer Copper	TN	1	55.60	466.20	25,821	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		682,336
TOTAL PORT EVERGLADES UNITS 1 THRU 4, TANK FARM, AND GAS TURBINES					39,975,818		12,389,013		10,631,352