



Florida Power & Light Company, 215 S. Monroe St., Suite 810, Tallahassee, FL 32301

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ORIGINAL

June 19, 2007

VIA HAND DELIVERY

Ms. Ann Cole
Division of the Commission Clerk and
Administrative Services
Florida Public Service Commission
Betty Easley Conference Center
2540 Shumard Oak Boulevard, Room 110
Tallahassee, FL 32399-0850

RECEIVED-FPSC
07 JUN 19 PM 3:41
COMMISSION
CLERK

070378-EI

R. V.N.

Re: Florida Power & Light Company's Petition for Approval of Revised Fossil Dismantlement Accrual

Dear Ms. Cole:

Enclosed for filing on behalf of Florida Power & Light Company ("FPL") is an original and fifteen (15) copies of FPL's Petition for Approval of Revised Fossil Dismantlement Accrual. Included with this Petition are FPL's Fossil Dismantlement Studies, attached as Attachment A. A copy of this filing on a computer diskette is also included.

Please contact me if you or your Staff have any questions regarding this filing.

Sincerely,

Jessica Cano
Jessica Cano

CMP _____
COM 5

Enclosures

CTR _____
ECR DISKette
GCL 1
OPC 1
RCA _____
SCR _____
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SEC _____
OTH _____

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04939 JUN 19 07

ORIGINAL

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition of Florida Power & Light)
Company for Approval of Revised)
Fossil Dismantlement Accrual)

Docket No. 070378-ET

Filed: June 19, 2007

**PETITION FOR APPROVAL OF
REVISED FOSSIL DISMANTLEMENT ACCRUAL**

Florida Power & Light Company ("FPL"), by and through its counsel and pursuant to Rule 25-6.04364, F.A.C., respectfully submits its updated Fossil Dismantlement Studies and requests approval of its revised annual fossil dismantlement accrual effective January 1, 2007, and in support thereof states as follows:

1. FPL is a public utility subject to the jurisdiction of the Florida Public Service Commission ("the Commission") pursuant to Chapter 366 of the Florida Statutes. FPL's General Office is located at 9250 West Flagler Street, Miami, Florida 33174. The Commission has jurisdiction pursuant to Sections 350.115, 366.041 and 366.06(1), Florida Statutes, to consider and determine the annual fossil dismantlement accruals of public utilities.

2. The names and addresses of the persons authorized to receive notices and communication with respect to this filing are:

Mr. William G. Walker III
Vice President
Florida Power & Light Company
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Tallahassee, Florida 32301
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3. Rule 25-6.04364 requires utilities that own one or more fossil fuel generating units to file a dismantlement study for each generating site once every four years from the submission date of the previous study. The purpose of the study is “to update cost estimates based on new developments, additional information, technological improvements, and forecasts; to evaluate alternative methodologies; and to revise the annual accrual needed to recover the costs.” 25-6.04364(1), F.A.C. Additionally, a utility may not establish a new annual dismantlement accrual or revise its annual dismantlement accrual without prior approval from the Commission. 25-6.04364(6), F.A.C.

4. FPL’s previous fossil dismantlement studies were filed on June 20, 2003 and were approved by Order No. PSC-04-0203-CO-EI. Accordingly, FPL has prepared and files herewith its updated studies as required by Rule 25-6.04364. FPL’s Fossil Dismantlement Studies are attached to this petition as Attachment A.

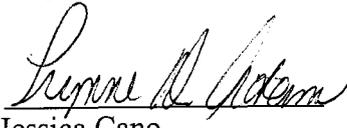
5. FPL’s updated dismantlement studies and cost estimates will cause the annual dismantlement accrual to decrease to approximately \$15,550,139, from the previously approved amount of \$18,674,395. Additionally, FPL is requesting half a year’s dismantlement accrual in 2007 for Turkey Point Unit 5, which went into service in mid 2007, and the full annual accrual for years 2008-2010. Therefore, the accrual in 2007 will be approximately \$15,350,881 and the accrual in years 2008-2010 will be approximately \$15,550,139. FPL is requesting interim approval of the revised dismantlement accrual with an effective date of January 1, 2007.

6. FPL is not aware of any disputed issues of material fact relative to this petition.

WHEREFORE, for the foregoing reasons, FPL respectfully submits the accompanying Fossil Dismantlement Studies and requests approval of its revised annual fossil dismantlement accrual. FPL also requests interim approval and implementation of the revised accrual effective January 1, 2007.

Dated: June 19, 2007

Respectfully Submitted,

By: 
for Jessica Cano
Attorney
Florida Power & Light Company
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ATTACHMENT A

ATTACHMENT A

DOCUMENT NUMBER-DATE

04939 JUN 19 6

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ORIGINAL

Florida Power & Light Company

Fossil Dismantlement Studies

Cape Canaveral
Cutler
Fort Lauderdale
Fort Myers
Manatee
Martin
Port Everglades

Putnam
Riviera
Sanford
Scherer
St. Johns River
Turkey Point

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**Proposed Entries to Reallocate Dismantlement Reserve
Reallocations per Theoretical Reserve Technique**

[a] Sites/Units	[b] Account	Proposed Journal Entries	
		[c] [Debit Site Reserve]	[d] [Credit Site Reserve]
Cape Canaveral			
Common	311	0	665,998
Unit 1	311	1,021,543	0
Unit 2	311	779,281	0
Cutler			
Unit 5	311	751,328	0
Unit 6	311	142,695	0
Manatee			
Unit 1	311	177,885	0
Unit 2	311	276,320	0
Common [Fuel Oil]	311	0	1,012,883
Common to All	311		3,609,501
Martin			
Unit 1	311	2,910,677	0
Unit 2	311	3,004,538	0
Common	311	550,066	0
Port Everglades			
Unit 1	311	0	10,470,651
Unit 2	311	0	13,934,889
Unit 3	311	2,469,080	0
Unit 4	311	1,814,659	0
Common	311	0	1,601,229
Riviera			
Unit 3	311	3,380,652	0
Unit 4	311	3,387,601	0
Common	311	999,323	0
Unit 2	311	782,348	
Common	311		782,348
Sanford			
Unit 3	311	1,652,064	0
Scherer			
Common 1 -4	311	0	3,506,275

**Proposed Entries to Reallocate Dismantlement Reserve
Reallocations per Theoretical Reserve Technique**

[a] Sites/Units	[b] Account	Proposed Journal Entries	
		[c] [Debit Site Reserve]	[d] [Credit Site Reserve]
Scherer Common 3 & 4	311	3,704	0
Scherer Unit 4	311	0	6,814,424
St. Johns River			
Unit 1	311	0	23,884
Unit 2	311	0	48,498
Common	311	0	399,622
Coal & Limestone Eq	311	0	149,777
Gypsum & Ash Eq	311	0	477
Turkey Point			
Unit 1	311	8,385,726	0
Unit 2	311	8,222,697	0
Common	311	0	1,301,236
Fort Lauderdale			
Unit 4	341	725,057	0
Unit 5	341	823,776	0
Gas Turbines	341	130,668	0
Fort Myers			
Common	341	0	5,702,833
Unit 2	341	6,994,342	0
Unit 3	341	0	953,187
Gas Turbines	341	370,577	0
Manatee			
Unit 3	341	0	671,757
Martin			
Unit 3	341	1,680,901	0
Unit 4	341	1,190,197	0
Unit 8	341	0	1,915,534
Common	341	0	4,569,116
Putnam			
Unit 1	341	138,738	0
Unit 2	341	133,700	0
Common	341	0	85,527
Port Ever Gas Turbines	341	340,388	0
Sanford			
Unit 4	341	8,415,081	0
Unit 5	341	330,081	0
Common	341	0	3,766,047
Totals		61,985,693	61,985,693

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 12/31/06
 Current and Proposed Annual Accruals

<u>Plant Sites</u>	<u>Per Docket No. 030558-EI Order No. PSC-04-0086-PAA-EI Annual Accrual</u>	<u>Proposed Annual Accrual effective 1/1/2007</u>	<u>Increase /(Decrease) in Annual Dismantlement Accrual</u>
Cape Canaveral	695,862	520,131	(175,731)
Cutler	300,103	286,673	(13,430)
Fort Lauderdale	1,566,221	1,082,262	(483,959)
Ft. Myers	1,071,886	1,141,833	69,947
Manatee	2,777,116	2,357,769	(419,347)
Martin	3,642,936	2,607,319	(1,035,617)
Port Everglades	2,342,270	1,938,010	(404,260)
Putnam	392,208	382,623	(9,585)
Riviera	703,713	476,263	(227,450)
Sanford	1,427,946	1,428,622	676
Scherer	1,523,894	1,637,679	113,785
St. Johns River Power Park	960,630	835,972	(124,658)
Turkey Point	1,269,610	854,983	(414,627)
Total	18,674,395	15,550,139	(3,124,256)

Florida Power & Light Company
 Fossil Dismantlement Study
 Calculation of Jurisdictional Amounts
 2006 Dismantlement Study

	Jurisdictional Factor			
		<u>0.98605857</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	7,212,684	7,112,129	11,425,590	11,266,301
Unit 1	3,032,705	2,990,425	6,639,980	6,547,409
Unit 2	2,708,102	2,670,347	5,962,072	5,878,952
<u>Cutler</u>				
Unit 5	3,174,201	3,129,948	5,790,148	5,709,425
Unit 6	4,861,409	4,793,634	8,777,167	8,654,801
<u>Fort Lauderdale</u>				
Unit 4	10,618,588	10,470,550	18,224,718	17,970,639
Unit 5	8,068,267	7,955,784	14,021,366	13,825,888
Gas Turbines	269,717	265,957	606,540	598,084
<u>Fort Myers</u>				
Common	8,797,736	8,675,083	17,884,694	17,635,356
Unit 2	8,839,446	8,716,211	21,427,917	21,129,181
Unit 3	3,221,234	3,176,325	9,002,014	8,876,513
Gas Turbines	2,019,346	1,991,193	4,020,283	3,964,235
<u>Manatee</u>				
Common	22,480,644	22,167,232	42,659,675	42,064,938
Unit 1	11,853,814	11,688,555	21,653,512	21,351,631
Unit 2	11,853,814	11,688,555	21,653,512	21,351,631
Unit 3	7,510,584	7,405,876	19,032,475	18,767,135
<u>Martin</u>				
Common	25,965,717	25,603,718	49,277,751	48,590,749
Unit 1	8,798,559	8,675,895	16,679,213	16,446,681
Unit 2	8,798,559	8,675,895	16,679,213	16,446,681
Unit 3	4,012,648	3,956,706	7,911,021	7,800,730
Unit 4	2,377,564	2,344,417	5,401,047	5,325,749
Unit 8	7,384,658	7,281,705	18,936,509	18,672,507
<u>Port Everglades</u>				
Common	12,906,225	12,726,294	20,355,869	20,072,079
Unit 1	13,485,481	13,297,474	23,643,984	23,314,353
Unit 2	13,485,481	13,297,474	23,643,984	23,314,353
Unit 3	6,319,676	6,231,571	11,713,233	11,549,934
Unit 4	6,319,676	6,231,571	11,713,233	11,549,934
Gas Turbines	77,629	76,547	465,973	459,477

Florida Power & Light Company
 Fossil Dismantlement Study
 Calculation of Jurisdictional Amounts
 2006 Dismantlement Study

	Jurisdictional Factor			
		0.98605857		
Site/Units	Dismantlement Cost in Current Dollars	Jurisdictional Dismantlement Cost in Current Dollars	Dismantlement Cost in Future Dollars	Jurisdictional Dismantlement Cost in Future Dollars
<u>Putnam</u>				
Common	8,143,324	8,029,794	13,630,005	13,439,983
Unit 1	629,965	621,182	1,412,808	1,393,111
Unit 2	629,965	621,182	1,412,808	1,393,111
<u>Riviera</u>				
Common	7,248,850	7,147,791	11,273,622	11,116,452
Unit 3	3,167,347	3,123,190	6,191,938	6,105,614
Unit 4	3,167,347	3,123,190	6,191,938	6,105,614
<u>Sanford</u>				
Common	8,397,075	8,280,008	16,043,260	15,819,594
Unit 3	4,024,345	3,968,240	7,396,640	7,293,520
Unit 4	8,114,748	8,001,617	19,433,950	19,163,013
Unit 5	8,114,748	8,001,617	18,832,888	18,570,331
<u>Scherer</u>				
Common - Units 1 - 4	19,089,189	18,823,058	41,100,270	40,527,273
Common - Units 3 - 4	2,356,569	2,323,715	4,667,638	4,602,564
Unit 4	15,945,305	15,723,005	39,932,919	39,376,197
<u>SJRPP</u>				
Common	9,828,672	9,691,646	18,556,816	18,298,107
Unit 1	3,585,301	3,535,317	8,837,423	8,714,217
Unit 2	3,585,301	3,535,317	8,837,423	8,714,217
Ash Handling Equipment	547,857	540,219	1,113,525	1,098,001
Restone Handling Equipment	2,001,214	1,973,314	4,442,387	4,380,454
<u>Turkey Point</u>				
Common	7,237,100	7,136,204	15,768,452	15,548,617
Unit 1	2,721,116	2,683,180	5,928,293	5,845,644
Unit 2	2,721,116	2,683,180	5,928,293	5,845,644
Unit 5	5,644,397	5,565,706	17,311,404	17,070,058
Totals	353,355,015	342,863,035	709,447,393	699,556,682

Florida Power & Light Company
 Fossil Dismantlement Study as of 12/31/06
 Escalation Factors

Global Insight March, 2007 Forecast of Long Term Prices

YEAR	Compensation per Hour (Non-Farm Business Sector)		Producer Price Index (Intermediate Materials)		GDP Deflator		METAL & METAL PRODUCTS	
	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2006	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2006	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2006	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2006
2006	5.4%	1.000000	6.5%	1.000000	2.9%	1.000000	13.0%	1.000000
2007	3.7%	1.036791	1.0%	1.009882	2.1%	1.021224	4.4%	1.044267
2008	3.5%	1.073526	2.1%	1.030724	2.0%	1.041176	0.7%	1.051462
2009	3.9%	1.115518	0.7%	1.037862	2.0%	1.061746	0.4%	1.055352
2010	4.1%	1.161703	0.1%	1.039222	2.0%	1.083251	0.0%	1.055873
2011	4.2%	1.210978	0.3%	1.042601	2.1%	1.106176	0.1%	1.057218
2012	4.2%	1.262180	-0.1%	1.041949	2.1%	1.129149	-0.2%	1.055205
2013	4.0%	1.313176	0.1%	1.043048	2.0%	1.151363	0.0%	1.055283
2014	3.8%	1.363604	0.4%	1.047217	1.9%	1.173265	0.6%	1.061571
2015	3.7%	1.414546	0.8%	1.055187	1.9%	1.195208	0.9%	1.070868
2016	3.7%	1.466605	0.9%	1.064395	1.8%	1.217232	0.9%	1.080788
2017	3.7%	1.520175	1.0%	1.075237	1.8%	1.239623	0.9%	1.090938
2018	3.7%	1.576094	1.1%	1.086753	1.8%	1.262539	0.9%	1.101206
2019	3.6%	1.633392	0.9%	1.097025	1.8%	1.285688	0.7%	1.109261
2020	3.6%	1.692400	0.9%	1.107035	1.8%	1.309177	0.7%	1.116472
2021	3.5%	1.752098	0.8%	1.115962	1.8%	1.332746	0.5%	1.122486
2022	3.5%	1.814294	0.8%	1.125187	1.8%	1.356894	0.6%	1.128852
2023	3.6%	1.880101	0.9%	1.135120	1.9%	1.382008	0.6%	1.136029
2024	3.6%	1.948225	0.9%	1.145310	1.9%	1.407693	0.6%	1.142737
2025	3.7%	2.019965	1.0%	1.156464	1.9%	1.434244	0.7%	1.150884
2026	3.7%	2.094511	0.9%	1.167144	1.9%	1.461404	0.7%	1.158630
2027	3.6%	2.170878	0.9%	1.177748	1.9%	1.488883	0.6%	1.165879
2028	3.6%	2.248936	0.9%	1.188386	1.9%	1.516567	0.6%	1.172809
2029	3.6%	2.329305	1.0%	1.199721	1.9%	1.544946	0.7%	1.180474
2030	3.5%	2.411578	1.0%	1.211595	1.9%	1.573867	0.7%	1.188305
2031	3.4%	2.494653	1.0%	1.224041	1.8%	1.602687	0.5%	1.194193
2032	3.5%	2.583007	1.0%	1.235945	1.8%	1.631843	0.4%	1.198505
2033	3.5%	2.672820	0.9%	1.247245	1.8%	1.660695	0.3%	1.201724
2034	3.5%	2.766538	0.9%	1.258632	1.8%	1.689989	0.2%	1.204709
2035	3.6%	2.865334	0.9%	1.270310	1.8%	1.720098	0.3%	1.208049
2036	3.6%	2.969153	0.9%	1.282372	1.8%	1.751393	0.3%	1.211801
2037	3.6%	3.074976	0.9%	1.294469	1.8%	1.782998	0.3%	1.215365
2038	3.6%	3.184570	0.9%	1.306680	1.8%	1.815174	0.3%	1.218939
2039	3.6%	3.298070	0.9%	1.319007	1.8%	1.847930	0.3%	1.222523
2040	3.6%	3.415615	0.9%	1.331449	1.8%	1.881277	0.3%	1.226118

Computation of Annual Accrual										
In Service Year	1954	1955	1960	1961	1964	1965	1960	1971	1993	1993
Plant	CUTLER 5	CUTLER 6	PPE 1	PPE 2	PPE 3	PPE 4	PPE CM	PPE GT	PFL 4	PFL 5
Year prior to updating accru	2006	2006	2006	2006	2006	2006	2006	2006	2006	2006
Capital Recovery Year	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020
Cost @ Study	3,174,201	4,861,409	13,485,481	13,485,481	6,319,676	6,319,676	12,906,225	77,629	10,618,588	8,068,267
Future \$ 1st Yr Exp	1,698,827	2,576,087	6,946,164	6,946,164	3,435,888	3,435,888	6,001,510	133,841	5,358,739	4,120,915
Future \$ 2nd Yr Exp	4,091,321	6,201,079	16,697,820	16,697,820	8,277,345	8,277,345	14,354,359	332,132	12,865,979	9,900,450
Total Future \$ Exp	5,790,148	8,777,167	23,643,984	23,643,984	11,713,233	11,713,233	20,355,869	465,973	18,224,718	14,021,366
Less Dismantlement Reserv	3,785,840	5,715,108	15,043,208	14,965,608	7,290,399	7,246,215	12,951,183	293,691	7,742,792	5,956,993
Net Amount to Accrue	2,004,307	3,062,059	8,600,776	8,678,376	4,422,834	4,467,019	7,404,686	172,282	10,481,926	8,064,373
Capital Recovery Years	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Annual Accrual 2007	105,950	162,599	462,799	466,975	232,506	234,829	420,088	6,238	571,470	437,008
2008	110,611	169,632	481,821	486,168	242,996	245,424	434,051	6,977	594,013	454,650
2009	115,503	177,010	501,769	506,296	253,994	256,531	448,618	7,758	617,583	473,105
2010	120,636	184,751	522,692	527,408	265,524	268,176	463,819	8,583	642,231	492,414
TOTAL 2007 - 2010	452,700	693,992	1,969,081	1,986,847	995,020	1,004,960	1,766,576	29,557	2,425,297	1,857,178
4 YEAR AVERAGE	113,175	173,498	492,270	496,712	248,755	251,240	441,644	7,389	606,324	464,294
Monthly Accrual	\$9,431	\$14,458	\$41,023	\$41,393	\$20,730	\$20,937	\$36,804	\$616	\$50,527	\$38,691

Computation of Annual Accr In Service Year	1971	2002	2002	2003	1974	1965	1965	1969	1962
Plant	PFL GT	PFM CM	PFM 2	PFM 3	PFM GT	PCC CM	PCC 1	PCC 2	PRV 3
Year prior to updating accru	2006	2006	2006	2006	2006	2006	2006	2006	2006
Capital Recovery Year	2020	2028	2027	2028	2020	2020	2020	2020	2020
Cost @ Study	269,717	8,797,736	8,839,446	3,221,234	2,019,346	7,212,684	3,032,705	2,708,102	3,167,347
Future \$ 1st Yr Exp	176,913	5,264,582	6,282,627	2,632,961	1,176,568	3,367,864	1,938,510	1,740,396	1,813,647
Future \$ 2nd Yr Exp	429,627	12,620,112	15,145,290	6,369,053	2,843,715	8,057,727	4,701,470	4,221,675	4,378,290
Total Future \$ Exp	606,540	17,884,694	21,427,917	9,002,014	4,020,283	11,425,590	6,639,980	5,962,072	6,191,938
Less Dismantlement Reserv	385,345	10,821,360	3,025,221	953,187	2,467,777	7,068,268	4,107,723	3,589,566	3,898,203
Net Amount to Accrue	221,195	7,063,334	18,402,696	8,048,827	1,552,506	4,357,322	2,532,257	2,372,506	2,293,735
Capital Recovery Years	14.00	22.00	21.00	22.00	14.00	14.00	14.00	14.00	14.00
Annual Accrual 2007	10,661	219,808	556,458	216,576	78,874	246,530	123,752	115,718	117,895
2008	11,293	227,009	580,365	226,893	82,851	254,806	130,835	122,386	123,668
2009	11,960	234,503	605,303	237,674	87,032	263,447	138,286	129,398	129,721
2010	12,661	242,302	631,318	248,942	91,429	272,470	146,124	136,774	136,069
TOTAL 2007 - 2010	46,576	923,621	2,373,443	930,086	340,186	1,037,253	538,998	504,276	507,353
4 YEAR AVERAGE	11,644	230,905	593,361	232,521	85,046	259,313	134,749	126,069	126,838
Monthly Accrual	\$970	\$19,242	\$49,447	\$19,377	\$7,087	\$21,609	\$11,229	\$10,506	\$10,570

Computation of Annual Accrual In Service Year	1963	1966	1976	1977	1976	2006	1976	1959	2003
Plant	PRV 4	PRV CM	PMT 1	PMT 2	PMT CM FOSSIL	PMT 3	PMT CM CC	SNFORD 3	SNFORD 4
Year prior to updating accrual	2006	2006	2006	2006	2006	2006	2006	2006	2006
Capital Recovery Year	2020	2020	2020	2020	2020	2030	2030	2020	2028
Cost @ Study	3,167,347	7,248,850	11,853,814	11,853,814	8,005,099	7,510,584	14,475,545	4,024,345	8,114,748
Future \$ 1st Yr Exp	1,813,647	3,325,788	6,355,443	6,355,443	3,681,882	5,582,804	8,887,288	2,170,236	5,702,525
Future \$ 2nd Yr Exp	4,378,290	7,947,834	15,298,069	15,298,069	8,798,813	13,449,671	21,291,692	5,226,404	13,731,424
Total Future \$ Exp	6,191,938	11,273,622	21,653,512	21,653,512	12,480,695	19,032,475	30,178,980	7,396,640	19,433,950
Less Dismantlement Reser	3,876,443	7,585,711	12,252,089	12,119,120	6,757,424	671,757	15,098,582	4,729,505	2,057,782
Net Amount to Accrue	2,315,495	3,687,911	9,401,423	9,534,392	5,723,271	18,360,718	15,080,398	2,667,134	17,376,167
Capital Recovery Years	14.00	14.00	14.00	14.00	14.00	24.00	24.00	14.00	22.00
Annual Accrual 2007	119,013	210,917	498,291	505,338	327,496	469,146	423,811	140,742	502,245
2008	124,841	217,704	520,218	527,576	338,083	487,847	436,957	147,006	522,545
2009	130,952	224,773	543,172	550,854	349,093	507,304	450,602	153,571	543,697
2010	137,360	232,138	567,202	575,224	360,544	527,548	464,769	160,453	565,738
TOTAL 2007 - 2010	512,166	885,533	2,128,882	2,158,992	1,375,217	1,991,844	1,776,139	601,773	2,134,225
4 YEAR AVERAGE	128,042	221,383	532,221	539,748	343,804	497,961	444,035	150,443	533,556
Monthly Accrual	\$10,670	\$18,449	\$44,352	\$44,979	\$28,650	\$41,497	\$37,003	\$12,537	\$44,463

Computation of Annual Accrual In Service Year	2002 SNFORD 5	2002 SNFORD CM	1967 PTP 1	1968 PTP 2	1967 PTP CM	2007 PTP 5	1980 MARTIN 1	1981 MARTIN 2	1980 MARTIN U1/2 CON
Year prior to updating accrual	2006	2006	2006	2006	2006	2007	2006	2006	2006
Capital Recovery Year	2027	2028	2020	2020	2032	2032	2020	2020	2020
Cost @ Study	8,114,748	8,397,075	2,721,116	2,721,116	7,237,100	5,644,397	8,798,559	8,798,559	11,496,822
Future \$ 1st Yr Exp	5,526,996	4,728,729	1,731,268	1,731,268	4,643,580	5,068,477	4,889,786	4,889,786	5,329,761
Future \$ 2nd Yr Exp	13,305,892	11,314,531	4,197,025	4,197,025	11,124,873	12,242,927	11,789,428	11,789,428	12,747,790
Total Future \$ Exp	18,832,888	16,043,260	5,928,293	5,928,293	15,768,452	17,311,404	16,679,213	16,679,213	18,077,551
Less Dismantlement Reserve	2,658,851	9,642,697	3,620,192	3,595,201	7,851,516	0	8,997,091	8,872,872	9,751,382
Net Amount to Accrue	16,174,037	6,400,563	2,308,101	2,333,092	7,916,936	17,311,404	7,682,122	7,806,341	8,326,169
Capital Recovery Years	21.00	22.00	14.00	14.00	26.00	25.00	14.00	14.00	14.00
Annual Accrual 2007	498,720	205,047	113,268	114,494	199,346	373,307	400,241	406,712	473,559
2008	519,089	211,166	119,700	120,996	205,386	389,657	418,942	425,717	489,182
2009	540,324	217,531	126,458	127,827	211,654	406,684	438,542	445,634	505,464
2010	562,463	224,154	133,558	135,004	218,161	424,418	459,085	466,508	522,436
TOTAL 2007 - 2010	2,120,596	857,898	492,985	498,323	834,547	1,594,066	1,716,810	1,744,571	1,990,641
4 YEAR AVERAGE	530,149	214,474	123,246	124,581	208,637	398,516	429,203	436,143	497,660
Monthly Accrual	\$44,179	\$17,873	\$10,271	\$10,382	\$17,386	\$33,210	\$35,767	\$36,345	\$41,472

Computation of Annual Accr	In Service Year	Plant	Year prior to updating accr	Capital Recovery Year	Cost @ Study	Future \$ 1st Yr Exp	Future \$ 2nd Yr Exp	Total Future \$ Exp	Less Dismantlement Reser	Net Amount to Accrue	Capital Recovery Years	Annual Accrual 2007	2008	2009	2010	TOTAL 2007 - 2010	4 YEAR AVERAGE	Monthly Accrual
	1994	MARTIN 3	2006	2020	4,012,648	2,316,976	5,594,044	7,911,021	3,221,792	4,689,229	14.00	240,556	252,467	264,946	278,019	1,035,988	258,997	\$21,583
	1994	MARTIN 4	2006	2020	2,377,564	1,575,973	3,825,074	5,401,047	2,199,596	3,201,451	14.00	154,868	164,106	173,802	183,981	676,757	169,189	\$14,099
	2001	MARTIN 8	2006	2030	7,384,658	5,553,968	13,382,540	18,936,509	2,880,906	16,055,603	24.00	405,638	422,387	439,800	457,905	1,725,731	431,433	\$35,953
	1980	MARTIN COM	2006	2030	14,468,995	9,179,193	22,021,006	31,200,200	17,894,842	13,305,358	24.00	366,359	378,262	390,640	403,514	1,538,776	384,694	\$32,058
	1978	PUTNAM 1	2006	2020	629,965	412,302	1,000,506	1,412,808	831,092	581,716	14.00	28,226	29,887	31,631	33,465	123,209	30,802	\$2,567
	1977	PUTNAM COM	2006	2020	8,143,324	4,010,132	9,619,873	13,630,005	8,111,155	5,516,850	14.00	303,832	315,271	327,244	339,778	1,286,125	321,531	\$26,794
	1977	PUTNAM 2	2006	2020	629,965	412,302	1,000,506	1,412,808	840,755	572,053	14.00	27,757	29,390	31,106	32,909	121,162	30,290	\$2,524
	1987	SJRPP 1	2006	2028	3,585,301	2,591,497	6,245,926	8,837,423	3,398,666	5,438,757	22.00	155,019	161,495	168,247	175,288	660,049	165,012	\$13,751
	1988	SJRPP 2	2006	2028	3,585,301	2,591,497	6,245,926	8,837,423	3,300,284	5,537,139	22.00	157,823	164,416	171,290	178,459	671,988	167,997	\$14,000

Computation of Annual Accrual	1987	1989	1988	1989	1989	1989	
In Service Year	1987	1989	1988	1989	1989	1989	
Plant	SJRPP COM	SJRPP C&L	SJRPP ASH&G	SCHERER CMN	SCHERER 3&4	SCHERER 4	ALL PLANTS
Year prior to updating accrual	2006	2006	2006	2006	2006	2006	#N/A
Capital Recovery Year	2028	2028	2028	2029	2029	2029	#N/A
Cost @ Study	9,828,672	2,001,214	547,857	19,089,189	2,356,569	15,945,305	353,355,014
Future \$ 1st Yr Exp	5,471,049	1,305,683	328,005	12,086,994	1,376,368	11,707,789	208,382,527
Future \$ 2nd Yr Exp	13,085,766	3,136,704	785,520	29,013,275	3,291,270	28,225,130	501,064,862
Total Future \$ Exp	18,556,816	4,442,387	1,113,525	41,100,270	4,667,638	39,932,919	709,447,389
Less Dismantlement Reserve	6,929,935	1,658,984	415,839	14,495,954	1,646,263	14,084,233	319,356,198
Net Amount to Accrue	11,626,881	2,783,403	697,686	26,604,316	3,021,375	25,848,686	390,091,191
Capital Recovery Years	22.00	22.00	22.00	23.00	23.00	23.00	
Annual Accrual 2007	375,123	83,267	21,828	764,603	91,558	693,709	14,638,593
2008	386,105	86,338	22,542	790,528	94,314	721,939	15,228,507
2009	397,521	89,535	23,284	817,546	97,169	751,393	15,844,783
2010	409,391	92,863	24,054	845,706	100,128	782,124	16,488,673
TOTAL 2007 - 2010	1,568,139	352,003	91,708	3,218,384	383,169	2,949,165	62,200,557
4 YEAR AVERAGE	392,035	88,001	22,927	804,596	95,792	737,291	15,550,139
Monthly Accrual	\$32,670	\$7,333	\$1,911	\$67,050	\$7,983	\$61,441	\$1,295,845

**Future Dismantlement Expenditures
by Year per Dismantlement Study Filed
June, 2007 by Florida Power & Light**

Year	Projected Dismantlement Expenditures
2025	101,869,914
2026	245,036,332
2027	0
2028	0
2029	0
2030	0
2031	0
2032	11,809,623
2033	59,067,710
2034	98,706,113
2035	89,732,928
2036	70,144,909
2037	9,712,057
2038	23,367,800
Totals	709,447,386

Reconciliation of Changes in Dismantlement Accrual (Approved in Docket 030558-EI, per Order Number PSC-04-0086-PAA-EI) and Dismantlement Accrual Proposed in 2007 Filing.

<u>Description</u>	<u>(millions of dollars)</u>
Currently Approved Accrual	\$18.7
Effect of Changes since 2003 Filing	
Increase in value of scrap metals	(7.0)
Increase in Labor Rates (using R.S. Means source) 2002 - 2006	5.1
Effect of Lower Inflation Factors per Global Insight (from 2006 on)	(6.4)
Increase due to Hazardous Materials	4.7
Effect of Extension of Economic Recovery Dates	(2.6)
New units in service since 2003 filing [1]	1.3
Increase in Disposal Cost	0.3
Effect of actual charges to dismantlement reserve period from 2003 through 2006	1.0
Other, e.g., Site Management, Unusable Inventory, etc.	0.5
Proposed Dismantlement Accrual per 2007 Filing:	<u><u>\$15.6</u></u>

[1] This includes a full year of dismantlement accrual for Turkey Point Unit 5 which just went into service in mid 2007. FPL requests a half year's dismantlement accrual for Turkey Point Unit 5 in 2007 and the full year for the period from 2008 through 2010. Thus the dismantlement accruals for the years 2007 through 2010 will be as follows:

<u>Years</u>	<u>Annual Accrual</u>
2007	15,350,881
2008	15,550,139
2009	15,550,139
2010	15,550,139

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:	2020
Unit 2:	2020
Common:	2020

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

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. 030558-EI, Order No. PSC-04-0086-PAA-EI, issued on January 27, 2004. The accruals became effective as of January 1, 2003.

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	360,050	1,450,617	342,258	1,468,409
312	Boiler Plant Equipment	0	0	0	0
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	6,917	0	19,080	(12,163)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	366,967	1,450,617	361,338	1,456,246
<u>Other Site Costs:</u>					
	Site Management Expenses	775,569			775,569
	Asbestos Abatement Costs	10,000			10,000
	Other Site Contamination & Special Waste	477,953			477,953
	Intake & Discharge Backfill	78,240			78,240
	Grading & Seeding	2,309,257			2,309,257
	Subtotal	3,651,019	0	0	3,651,019
	Total Common excluding M&S	4,017,986	1,450,617	361,338	5,107,265
	Contingency - 16%	642,878	232,099		874,976
	Total Cape Canaveral Common	4,660,864	1,682,716	361,338	5,982,241
	Unusable M&S Inventory	1,367,159	0	136,716	1,230,443
	Total Common Including Unusable M&S	6,028,023	1,682,716	498,054	7,212,684
<u>Cape Canaveral Unit 1</u>					
311	Structures and Improvements	1,095,585	365,960	318,476	1,143,069
312	Boiler Plant Equipment	2,237,307	317,603	981,889	1,573,021
314	Turbogenerator Units	749,981	108,614	1,182,592	(323,997)
315	Accessory Electrical Equipment	297,447	62,271	591,565	(231,848)
316	Miscellaneous Equipment	48,794	0	21,703	27,090
	Subtotal	4,429,113	854,448	3,096,226	2,187,335
	Contingency - 16%	708,658	136,712		845,370
	Total Cape Canaveral Unit 1	5,137,771	991,160	3,096,226	3,032,705
<u>Cape Canaveral Unit 2</u>					
311	Structures and Improvements	878,455	358,762	217,010	1,020,207
312	Boiler Plant Equipment	2,016,375	306,739	882,476	1,440,637
314	Turbogenerator Units	775,011	112,112	1,155,635	(268,512)
315	Accessory Electrical Equipment	294,799	57,618	607,044	(254,627)
316	Miscellaneous Equipment	2,752	0	775	1,977
	Subtotal	3,967,392	835,231	2,862,940	1,939,683
	Contingency - 16%	634,783	133,637		768,420
	Total Cape Canaveral Unit 2	4,602,175	968,868	2,862,940	2,708,102
	Total Dismantlement Costs	15,767,969	3,642,743	6,457,221	12,953,492

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	2,796,518	3,231,505	1,682,716	498,054	7,212,684
Cape Canaveral Unit 1	3,082,663	2,055,109	991,160	3,096,226	3,032,705
Cape Canaveral Unit 2	2,761,305	1,840,870	968,868	2,862,940	2,708,102
Total	8,640,486	7,127,483	3,642,743	6,457,221	12,953,492

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

CAPE CANAVERAL DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

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

FPL will provide site security during the dismantlement.

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

The land will be made available for future use.

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

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

The following items will be removed:

- a. All structures, equipment, and concrete pads, pedestals, foundations, etc;
- b. All underground gas, oil, sewer and water piping and electrical conduits.
- c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

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

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

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

The estimate does not reflect land value or its resale.

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

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

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

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

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

CAPE CANAVERAL DISMANTLEMENT ASSUMPTIONS (continued)

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

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

<u>Units</u>	<u>Economic Recovery Date</u>
Unit 1	2020
Unit 2	2020
Common Plant	2020

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 – 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 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	\$36.90	X	6	=	\$221.38
Foreman	\$46.97	X	1	=	\$46.97
Heavy Equipment Operator	\$44.99	X	1	=	\$44.99
Total Cost per hour of 8 man crew					<u>\$313.34</u>
Cost per man hour			\$313.34 / 8 =		<u>\$39.17</u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					24,940.03
Front End Loader					2,912.53
Cutting Equipment					231.51
Total per month					<u>28,084.06</u>
28,084.06	/	176	hours per month =		159.57
Cost per man hour			\$159.57 / 8 =		\$19.95
Plus: amount for small tools					1.00
Total Cost per man hour					<u>\$20.95</u>

CAPE CANAVERAL DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$39.17
Equipment	20.95
Total	<u>\$60.11</u>
Rounded	<u>\$60.00</u>
For Concrete demolition add \$5.00 per hour additional equipment charge.	<u>\$65.00</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)	\$60.00	2.50 MH / Ton	\$150.00 / Ton
Heavy Steel (2)	\$60.00	3.30 MH / Ton	\$198.00 / Ton
General Steel	\$60.00	4.40 MH / Ton	\$264.00 / Ton
Light Steel	\$60.00	7.10 MH / Ton	\$426.00 / Ton
Concrete	\$65.00	0.48 MH / CY	\$31.20 / CY
Reinforced Concrete	\$65.00	1.20 MH / CY	\$78.00 / CY
Copper-Elect. Cable & Generator Leads &	\$60.00	12.00 MH / Ton	\$720.00 / Ton
Copper - Generator	\$60.00	9.80 MH / Ton	\$588.00 / Ton
Copper - Transformer	\$60.00	7.40 MH / Ton	\$444.00 / Ton
General Insulation	\$60.00	1.00 MH / CY	\$60.00 / CY
Inground Pipe-Metal(3)	\$60.00	6.00 MH / Ton	\$360.00 / Ton
Concrete Pipe	\$65.00	4.60 MH / Ton	\$299.00 / 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 Brevard County Landfill. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of \$24 per ton and the dumpster charge of \$195 per haul for a 20 cubic yard dumpster and \$235 per haul for a 30 cubic yard dumpster were provided by Waste Management, Inc.

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	\$195.00 / haul	X	1 haul	=	\$195.00
Tipping Fees	\$24.00 / ton	X	30.5 tons	=	\$732.00
Total Cost per round Trip					<u>\$927.00</u>
Cost per Cubic Yard	\$927.00 / 15.38 cubic yards =				\$60.27
Plus 10% contractor profit					<u>\$6.03</u>
Total Cost per Cubic Yard					<u>\$66.30</u>
Rounded Cost per Cubic Yard					<u>\$66.00</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	\$235.00 / haul	X	1 haul	=	\$235.00
Tipping Fees	\$24.00 / ton	X	1.82 tons	=	\$43.68
Total Cost per round Trip					<u>\$278.68</u>
Cost per Cubic Yard	\$278.68 / 27 cubic yards =				\$10.32
Plus 10% contractor profit					<u>\$1.03</u>
Total Cost per Cubic Yard					<u>\$11.35</u>
Rounded Cost per Cubic Yard					<u>\$11.00</u>

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 \$19,202 per month, both office and site, and contractor's expenses of \$23,885 per month. These expenses are assumed to be incurred over the 18 month dismantlement period assumed for the Cape Canaveral 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	\$43,087
Number of months	18
Total Site Management Expenses	<u>\$775,569</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 \$39,120; the cost for the discharge is \$31,131. Cape Canaveral has two Intakes and no Discharges.

CAPE CANAVERAL DISMANTLEMENT STUDY

	<u>Cost/Structure</u>	<u>Quantity</u>	<u>Totals</u>
Intake	\$39,120	2	\$78,240
Discharge	\$31,131	0	\$0
			<u>\$78,240</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 \$56,186 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	<u>\$56,186</u>
Total Grading and Seeding Expense	<u>\$2,309,257</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	96,250
Tanks/Washwater	106,053
Soil/Other Contamination	225,350
Total	<u>\$487,953</u>

CAPE CANAVERAL DISMANTLEMENT STUDY

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 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	180.00	31.20	5,616	66.00	11,880	0.00	0
Hose Handling Structure	TN	1	1.37	1.37	426.00	584	0.00	0	120.00	164
Fuel Oil Storage Tank (268,000 bbl)	TN	3	802.00	2,406.00	n/a	123,471	0.00	0	120.00	288,720
Cleaning Fuel Oil Storage Tanks					n/a	0	n/a	900,000	0.00	0
Remove Sand Base - Fuel Oil Storage Tanks					n/a	0	n/a	325,806	0.00	0
Light Oil Tank 142 bbls					n/a	6,408	0.00	0	0.00	0
Cleaning Light Oil Tank					n/a	n/a	n/a	5,742	n/a	0
Soil Remediation - Light Oil Tank					n/a	n/a	n/a	4,392	n/a	0
Demolition of Concrete Foundation					n/a	10,706	n/a	0	n/a	0
Water Treatment Area Slab	CY	1	267.00	267.00	78.00	20,826	66.00	17,622	0.00	0
Water Treatment Equipment	TN	1	54.00	54.00	264.00	14,256	0.00	0	120.00	6,480
Railroad	TN	1	193.72	193.72	198.00	38,357	0.00	0	120.00	23,246
Concrete Pavement	CY	1	2,800.00	2,800.00	31.20	87,360	66.00	184,800	0.00	0
Septic Tank	CY	1	5.68	5.68	78.00	443	66.00	375	0.00	0
Sewer System	TN	1	8.15	8.15	264.00	2,152	0.00	0	120.00	978
Service Water Tank - Elevated (100,000 gl)	TN	1	135.09	135.09	264.00	35,664	0.00	0	120.00	16,211
Service Water Tank (100,000 gl)	TN	1	16.22	16.22	264.00	4,282	0.00	0	120.00	1,946
Elevator	TN	1	37.60	37.60	264.00	9,926	0.00	0	120.00	4,512
Total Account 311						360,050		1,450,617		342,258
FERC Account 315										
Startup Transformer	TN	1	9.00	9.00	426.00	3,834	0.00	0	120.00	1,080
Transformer Copper	TN	1	3.60	3.60	444.00	1,598	0.00	0	5,000.00	18,000
Storage Batteries & Equipment	TN	1	7.50	7.50	198.00	1,485	0.00	0	0.00	0
Total Account 315						6,917		0		19,080
TOTAL CAPE CANAVERAL COMMON						366,967		1,450,617		361,338
CAPE CANAVERAL UNIT 1										
FERC Account 311										
Improvements to Site										
Manholes and Catch Basins	CY	1	10.15	10.15	31.20	317	66.00	670	0.00	0
Subtotal						317		670		0
Circulating and Service Water System										
Piping	TN	1	476.70	476.70	264.00	125,849	0.00	0	120.00	57,204
Intake Cooling Water Pumps	TN	2	100.80	201.60	264.00	53,222	0.00	0	120.00	24,192
Intake Structure - Concrete	CY	1	1,046.00	1,046.00	78.00	81,588	66.00	69,036	0.00	0
Intake & Discharge Structure - Conduit	TN	1	854.00	854.00	264.00	225,456	0.00	0	120.00	102,480
Wingwalls and Skimmer Walls	CY	1	28.00	28.00	78.00	2,184	66.00	1,848	0.00	0
Superstructure	TN	1	37.00	37.00	198.00	7,326	0.00	0	120.00	4,440
Discharge Structure - Concrete	CY	1	320.00	320.00	78.00	24,960	66.00	21,120	0.00	0
Grills, Screens and Hoists	TN	2	14.10	28.20	264.00	7,445	0.00	0	120.00	3,384
Subtotal						528,030		92,004		191,700
Station Structures										

CAPE CANAVERAL DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Concrete Pedestal Mat	CY	1	1,152.00	1,152.00	78.00	89,856	66.00	76,032	0.00	0
Structural Steel	TN	1	322.00	322.00	198.00	63,756	0.00	0	120.00	38,640
Miscellaneous Steel	TN	1	147.80	147.80	264.00	39,019	0.00	0	120.00	17,736
Floors - Concrete	CY	1	1,408.00	1,408.00	78.00	109,824	66.00	92,928	0.00	0
Platforms and Stairs	TN	1	35.00	35.00	264.00	9,240	0.00	0	120.00	4,200
Concrete Roof Slabs	CY	1	133.00	133.00	78.00	10,374	66.00	8,778	0.00	0
Cranes and Hoists	TN	1	123.00	123.00	264.00	32,472	0.00	0	120.00	14,760
Concrete Footings, Piers and Grade Beams	CY	1	1,061.00	1,061.00	78.00	82,758	66.00	70,026	0.00	0
Subtotal						437,299		247,764		75,336
Fuel & Ash Structures										
Ash Water Pumps	TN	2	0.31	0.62	78.00	48	0.00	0	120.00	74
Ash Disposal Lines	CY	1	10.70	10.70	31.20	334	66.00	706	0.00	0
Concrete	CY	1	103.00	103.00	78.00	8,034	66.00	6,798	0.00	0
Fuel Oil Transfer Pumps	TN	2	1.23	2.46	264.00	649	0.00	0	120.00	295
Fuel Oil Storage Tank Heater	TN	3	10.35	31.05	264.00	8,197	0.00	0	120.00	3,726
Fuel Oil Piping	TN	1	394.54	394.54	264.00	104,159	0.00	0	120.00	47,345
Fuel Oil Piping Supports	CY	1	273.00	273.00	31.20	8,518	66.00	18,018	0.00	0
Subtotal						129,939		25,522		51,440
Total Account 311						1,095,585		365,960		318,476
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil Equipment										
Fuel Oil Metering Tank (12,000 bbl)	TN	1	50.60	50.60	n/a	16,020	0.00	0	120.00	6,072
Cleaning Fuel Oil Metering Tank					n/a	0	n/a	50,000	n/a	0
Fuel Oil Metering Tank Foundation					n/a	33,183	n/a	0	n/a	0
Fuel Oil Metering Tank - Soil Remediation					n/a	0	n/a	13,613	n/a	0
Burner Pumps	TN	7	1.50	10.50	264.00	2,772	0.00	0	120.00	1,260
Concrete Foundations and Firewalls	CY	1	929.00	929.00	78.00	72,462	66.00	61,314	0.00	0
Forced Draft Fans and Motors	TN	2	38.50	77.00	198.00	15,246	0.00	0	120.00	9,240
Forced Draft Fan Air Ducts	TN	1	82.00	82.00	264.00	21,648	0.00	0	120.00	9,840
Insulation for FD Fan Air Ducts	CY	1	450.00	450.00	60.00	27,000	11.00	4,950	0.00	0
Fuel Oil Pumps	TN	5	8.05	40.25	264.00	10,626	0.00	0	120.00	4,830
Fuel Oil Heaters	TN	30	13.20	396.00	264.00	104,544	0.00	0	120.00	47,520
Subtotal						303,501		129,877		78,762
Boiler Equipment										
Boiler Frame and Platforms	TN	1	1,465.00	1,465.00	198.00	290,070	0.00	0	120.00	175,800
Concrete	CY	1	19.00	19.00	78.00	1,482	66.00	1,254	0.00	0
Boiler - including:	TN	1	3,554.00	3,554.00	198.00	703,692	0.00	0	120.00	426,480
Drum										
Waterwall, Downcomers & Tubes										
Piping, Valves & Silencers										
Radiant & Convection Superheaters										
Reheater										
Economizer										
Sootblowers										
Insulation	CY	1	1,760.00	1,760.00	60.00	105,600	11.00	19,360	0.00	0
Insulation - Asbestos	CY	0	0.00	0.00	0.00	0	0.00	0	0.00	0
Air Preheater	TN	2	270.00	540.00	198.00	106,920	0.00	0	120.00	64,800
Subtotal						1,207,764		20,614		667,080

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CAPE CANAVERAL DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
<u>Boiler Plant Auxiliaries</u>										
L.P. Feedwater Heater #1	TN	1	21.10	21.10	264.00	5,570	0.00	0	120.00	2,532
L.P. Feedwater Heater #2	TN	1	15.30	15.30	264.00	4,039	0.00	0	120.00	1,836
L.P. Feedwater Heater #3	TN	1	11.85	11.85	264.00	3,128	0.00	0	120.00	1,422
L.P. Feedwater Heater #4	TN	1	15.10	15.10	264.00	3,986	0.00	0	120.00	1,812
L.P. Feedwater Heater #5	TN	1	17.85	17.85	264.00	4,712	0.00	0	120.00	2,142
H.P. Feedwater Heater #6	TN	1	50.95	50.95	198.00	10,088	0.00	0	120.00	6,114
H.P. Feedwater Heater #7	TN	1	67.45	67.45	198.00	13,355	0.00	0	120.00	8,094
Boiler Feed Pumps (including motors)	TN	2	27.00	54.00	264.00	14,256	0.00	0	120.00	6,480
Condensate Storage Tank (150,000 gl)	TN	1	41.25	41.25	264.00	10,890	0.00	0	120.00	4,950
Condensate Storage Tank Foundation	CY	1	105.00	105.00	78.00	8,190	66.00	6,930	0.00	0
Condensate Recovery Tank (2,900 gl)	TN	1	2.00	2.00	264.00	528	0.00	0	120.00	240
Condensate Recovery Flash Tank (515 gl)	TN	1	0.50	0.50	264.00	132	0.00	0	120.00	60
Condensate Recovery Pump	TN	1	0.09	0.09	264.00	24	0.00	0	120.00	11
Boiler Fill Pump	TN	1	0.18	0.18	264.00	48	0.00	0	120.00	22
Heater Drain Pump	TN	1	0.65	0.65	264.00	172	0.00	0	120.00	78
Blow Down Tank (1,700 gl)	TN	1	1.00	1.00	264.00	264	0.00	0	120.00	120
Subtotal						79,383		6,930		35,912
<u>Boiler Plant Piping</u>										
Main Steam Piping	TN	1	115.07	115.07	264.00	30,378	0.00	0	120.00	13,808
Hot Reheat Piping	TN	1	78.43	78.43	264.00	20,706	0.00	0	120.00	9,412
Cold Reheat Piping	TN	1	87.48	87.48	264.00	23,095	0.00	0	120.00	10,498
Extraction Steam Piping	TN	1	36.83	36.83	264.00	9,723	0.00	0	120.00	4,420
Boiler Feed Piping	TN	1	118.56	118.56	264.00	31,300	0.00	0	120.00	14,227
Air Evacuation Piping	TN	1	21.86	21.86	264.00	5,771	0.00	0	120.00	2,623
Saturated Auxiliary Steam Piping	TN	1	131.21	131.21	264.00	34,639	0.00	0	120.00	15,745
Service & Cooling Water Piping	TN	1	69.12	69.12	264.00	18,248	0.00	0	120.00	8,294
Instrument, Sampling & Control Piping	TN	1	317.45	317.45	264.00	83,807	0.00	0	120.00	38,094
Condensate Piping	TN	1	186.79	186.79	264.00	49,313	0.00	0	120.00	22,415
Subtotal						306,979		0		139,536
<u>Induced Draft Equipment</u>										
Stack Breeching	TN	1	110.00	110.00	198.00	21,780	0.00	0	120.00	13,200
Stack	CY	1	1,625.00	1,625.00	78.00	126,750	66.00	107,250	0.00	0
Dust Collectors	TN	1	174.00	174.00	198.00	34,452	0.00	0	120.00	20,880
Concrete Stack Foundation	CY	1	802.00	802.00	78.00	62,556	66.00	52,932	0.00	0
Subtotal						245,538		160,182		34,080
Miscellaneous Steel & Equipment	TN	1	220.99	220.99	426.00	94,142	0.00	0	120.00	26,519
Total Account 312						2,237,307		317,603		981,889
<u>FERC Account 314</u>										
<u>Turbo-Generator Units</u>										
Pedestal Concrete	CY	1	1,529.00	1,529.00	78.00	119,262	66.00	100,914	0.00	0
Inserts & Anchor Bolts	TN	1	8.62	8.62	264.00	2,276	0.00	0	120.00	1,034
Turbo-Generator Unit	TN	1	648.00	648.00	150.00	97,200	0.00	0	120.00	77,760
Turbine Piping	TN	1	260.00	260.00	264.00	68,640	0.00	0	120.00	31,200
Turbine Insulation	CY	1	700.00	700.00	60.00	42,000	11.00	7,700	0.00	0
Turbine Generator Copper	TN	1	58.50	58.50	588.00	34,398	0.00	0	5,000.00	292,500
Reinforcing Steel	TN	1	135.50	135.50	264.00	35,772	0.00	0	120.00	16,260
Subtotal						399,548		108,614		418,754

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CAPE CANAVERAL DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
<u>Condensers and Auxiliaries</u>										
Condenser Shell	TN	1	867.50	867.50	198.00	171,765	0.00	0	120.00	104,100
Condenser - Aluminum-Brass Tubes	TN	1	224.50	224.50	444.00	99,678	0.00	0	2,800.00	628,600
Circulating Water Pumps and Motors	TN	2	70.54	141.08	264.00	37,245	0.00	0	120.00	16,930
Condensate Pumps and Motors	TN	2	15.08	30.16	264.00	7,962	0.00	0	120.00	3,619
Lube Oil Tank (1,900 gl)	TN	1	23.50	23.50	264.00	6,204	0.00	0	120.00	2,820
Subtotal						322,854		0		756,069
Miscellaneous Steel & Equipment	TN	1	64.74	64.74	426.00	27,579	0.00	0	120.00	7,769
Total Account 314						749,981		108,614		1,182,592
<u>FERC Account 315</u>										
<u>Accessory Electrical Equipment</u>										
<u>Foundations & Structures</u>										
Equipment Foundations - Concrete	CY	1	148.50	148.50	78.00	11,583	66.00	9,801	0.00	0
Manholes and Handholes	CY	1	92.00	92.00	31.20	2,870	66.00	6,072	0.00	0
Subtotal						14,453		15,873		0
<u>Power and Conversion Equipment</u>										
Auxiliary Power Transformer	TN	1	59.40	59.40	426.00	25,304	0.00	0	120.00	7,128
Station Service Transformer	TN	4	4.00	16.00	426.00	6,816	0.00	0	120.00	1,920
Transformer Copper	TN	1	32.08	32.08	444.00	14,244	0.00	0	5,000.00	160,400
Instrument Transformers	TN	8	0.60	4.80	426.00	2,045	0.00	0	120.00	576
Subtotal						48,409		0		170,024
<u>Conduit, Insulators and Conductors</u>										
Cable Trays	TN	1	7.88	7.88	426.00	3,357	0.00	0	120.00	946
Conduit	TN	1	68.44	68.44	264.00	18,068	0.00	0	120.00	8,213
Concrete	CY	1	703.00	703.00	78.00	54,834	66.00	46,398	0.00	0
Power Wiring	TN	1	192.03	192.03	720.00	138,262	0.00	0	2,100.00	403,263
Subtotal						214,521		46,398		412,421
<u>Switching, Control and Protection Equipment</u>										
Switchgear - 4,160v Metalclad	TN	1	40.00	40.00	264.00	10,560	0.00	0	120.00	4,800
Switchgear - 480v Metalclad	TN	2	18.00	36.00	264.00	9,504	0.00	0	120.00	4,320
Subtotal						20,064		0		9,120
Account 315 Total						297,447		62,271		591,565
<u>FERC Account 316</u>										
<u>Miscellaneous Power Plant Equipment</u>										
Compressed Air System	TN	1	6.46	6.46	426.00	2,752	0.00	0	120.00	775
Service Air Piping	TN	1	174.40	174.40	264.00	46,042	0.00	0	120.00	20,928
Total Account 316						48,794		0		21,703
TOTAL CAPE CANAVERAL UNIT 1						4,429,113		854,448		3,096,226
CAPE CANAVERAL UNIT 2										
<u>FERC Account 311</u>										
<u>Improvements to Site</u>										

CAPE CANAVERAL DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Manholes and Catch Basins	CY	1	15.39	15.39	31.20	480	66.00	1,016	0.00	0
Subtotal						480		1,016		0
<u>Circulating and Service Water System</u>										
Piping	TN	1	429.10	429.10	264.00	113,282	0.00	0	120.00	51,492
Intake Cooling Water Pumps	TN	2	2.00	4.00	264.00	1,056	0.00	0	120.00	480
Intake Structure - Concrete	CY	1	1,102.00	1,102.00	78.00	85,956	66.00	72,732	0.00	0
Intake & Discharge Structure - Conduit	TN	1	726.00	726.00	264.00	191,664	0.00	0	120.00	87,120
Superstructure	TN	1	35.16	35.16	198.00	8,962	0.00	0	120.00	4,219
Discharge Structure - Concrete	CY	1	327.00	327.00	78.00	25,506	66.00	21,582	0.00	0
Grills, Screens and Hoists	TN	2	14.68	29	264.00	7,751	0.00	0	120.00	3,523
Subtotal						432,177		94,314		146,834
<u>Station Structures</u>										
Concrete Pedestal Mat	CY	1	1,091.00	1,091.00	78.00	85,098	66.00	72,006	0.00	0
Structural Steel	TN	1	254.00	254.00	198.00	50,292	0.00	0	120.00	30,480
Miscellaneous Steel	TN	1	60.00	60.00	264.00	15,840	0.00	0	120.00	7,200
Floors - Concrete	CY	1	1,691.00	1,691.00	78.00	131,898	66.00	111,606	0.00	0
Platforms and Stairs	TN	1	35.00	35.00	264.00	9,240	0.00	0	120.00	4,200
Cranes and Hoists	TN	1	123.00	123.00	264.00	32,472	0.00	0	120.00	14,760
Concrete Footings, Piers and Grade Beams	CY	1	1,112.00	1,112.00	78.00	86,736	66.00	73,392	0.00	0
Subtotal						411,576		257,004		56,640
<u>Fuel & Ash Structures</u>										
Ash Water Pumps	TN	2	0.31	0.62	264.00	164	0.00	0	120.00	74
Ash Disposal Lines	CY	1	17.40	17.40	31.20	543	66.00	1,148	0.00	0
Concrete	CY	1	30.00	30.00	78.00	2,340	66.00	1,980	0.00	0
Fuel Oil Transfer Pumps	TN	1	1.23	1.23	264.00	325	0.00	0	120.00	148
Fuel Oil Storage Tank Heater	TN	2	10.35	20.70	264.00	5,465	0.00	0	120.00	2,484
Fuel Oil Piping	TN	1	90.25	90.25	264.00	23,826	0.00	0	120.00	10,830
Fuel Oil Piping Supports	CY	1	50.00	50.00	31.20	1,560	66.00	3,300	0.00	0
Subtotal						34,222		6,428		13,536
Total Account 311						878,455		358,762		217,010
<u>FERC Account 312</u>										
<u>Boiler Plant Equipment</u>										
<u>Fuel Oil Equipment</u>										
Light Oil Tank (600 bbl)	TN	1	12.28	12.28	n/a	5,488	n/a	17,846	120.00	1,474
Fuel Oil Metering Tank (12,000 bbl)	TN	1	50.60	50.60	n/a	16,020	n/a	0	120.00	6,072
Cleaning Fuel Oil Metering Tank					n/a	0	n/a	50,000	0.00	0
Fuel Oil Metering Tank Foundation					n/a	33,183	n/a	0	0.00	0
Fuel Oil Metering Tank - Soil Remediation					n/a	0	n/a	13,613	0.00	0
Burner Pumps	TN	6	1.50	9.00	264.00	2,376	0.00	0	120.00	1,080
Concrete Foundations and Firewalls	CY	1	555.00	555.00	78.00	43,290	66.00	36,630	0.00	0
Forced Draft Fans and Motors	TN	2	38.50	77.00	198.00	15,246	0.00	0	120.00	9,240
Forced Draft Fan Air Ducts	TN	1	101.00	101.00	264.00	26,664	0.00	0	120.00	12,120
Insulation for FD Fan Air Ducts	CY	1	450.00	450.00	60.00	27,000	11.00	4,950	0.00	0
Fuel Oil Pumps	TN	5	8.05	40.25	264.00	10,626	0.00	0	120.00	4,830
Fuel Oil Heaters	TN	25	11.00	275.00	264.00	72,600	0.00	0	120.00	33,000
Subtotal						252,493		123,039		67,816
<u>Boiler Equipment</u>										
Boiler Frame and Platforms	TN	1	1,471.00	1,471.00	198.00	291,258	0.00	0	120.00	176,520

CAPE CANAVERAL DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Total Account 312						2,016,375		306,739		882,476
FERC Account 314										
Turbo-Generator Units										
Pedestal Concrete	CY	1	1,582.00	1,582.00	78.00	123,396	66.00	104,412	0.00	0
Inserts & Anchor Bolts	TN	1	10.58	10.58	264.00	2,793	0.00	0	120.00	1,270
Turbo-Generator Unit	TN	1	648.00	648.00	150.00	97,200	0.00	0	120.00	77,760
Turbine Piping	TN	1	260.00	260.00	264.00	68,640	0.00	0	120.00	31,200
Turbine Insulation	CY	1	700.00	700.00	60.00	42,000	11.00	7,700	0.00	0
Turbine Generator Copper	TN	1	58.50	58.50	588.00	34,398	0.00	0	5,000.00	292,500
Reinforcing Steel	TN	1	142.00	142.00	426.00	60,492	0.00	0	120.00	17,040
Subtotal						428,919		112,112		419,770
Condensers and Auxiliaries										
Condenser Shell	TN	1	867.50	867.50	198.00	171,765	0.00	0	120.00	104,100
Condenser - Aluminum-Brass Tubes	TN	1	214.50	214.50	444.00	95,238	0.00	0	2,800.00	600,600
Circulating Water Pumps and Motors	TN	2	70.54	141.08	264.00	37,245	0.00	0	120.00	16,930
Condensate Pumps and Motors	TN	2	15.08	30.16	264.00	7,962	0.00	0	120.00	3,619
Lube Oil Tank (1,900 gl)	TN	1	23.50	23.50	264.00	6,204	0.00	0	120.00	2,820
Subtotal						318,414		0		728,069
Miscellaneous Steel & Equipment	TN	1	64.97	64.97	426.00	27,677	0.00	0	120.00	7,796
Total Account 314						775,011		112,112		1,155,635
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Equipment Foundations - Concrete	CY	1	62.00	62.00	78.00	4,836	66.00	4,092	0.00	0
Manholes and Handholes	CY	1	101.00	101.00	31.20	3,151	66.00	6,666	0.00	0
Subtotal						7,987		10,758		0
Power and Conversion Equipment										
Auxiliary Power Transformer	TN	1	59.40	59.40	426.00	25,304	0.00	0	120.00	7,128
Station Service Transformer	TN	4	4.00	16.00	426.00	6,816	0.00	0	120.00	1,920
Transformer Copper	TN	1	32.08	32.08	444.00	14,244	0.00	0	5,000.00	160,400
Lighting Transformers	TN	8	0.60	4.80	426.00	2,045	0.00	0	120.00	576
Subtotal						48,409		0		170,024
Conduit, Insulators and Conductors										
Cable Trays	TN	1	5.42	5.42	426.00	2,309	0.00	0	120.00	650
Conduit	TN	1	63.56	63.56	264.00	16,780	0.00	0	120.00	7,627
Concrete	CY	1	710.00	710.00	78.00	55,380	66.00	46,860	0.00	0
Power Wiring	TN	1	199.82	199.82	720.00	143,870	0.00	0	2,100.00	419,622
Subtotal						218,339		46,860		427,900
Switching, Control and Protection Equipment										
Switchgear - 4,160v Metalclad	TN	1	40.00	40.00	264.00	10,560	0.00	0	120.00	4,800
Switchgear - 480v Metalclad	TN	2	18.00	36.00	264.00	9,504	0.00	0	120.00	4,320
Subtotal						20,064		0		9,120
Account 315 Total						294,799		57,618		607,044
FERC Account 316										

CAPE CANAVERAL DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo- nents	Units of Measure Per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost Per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Miscellaneous Power Plant Equipment										
Compressed Air System	TN	1	6.46	6.46	426.00	2,752	0.00	0	120.00	775
Total Account 316						2,752		0		775
TOTAL CAPE CANAVERAL UNIT 2						3,967,392		835,231		2,862,940
TOTAL CAPE CANAVERAL COMMON, UNITS 1 & 2						8,763,473		3,140,296		6,320,505

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. 030558-EI, Order No. PSC-04-0086-PAA-EI, issued on January 27, 2004. The current accruals became effective as of January 1, 2003.

CUTLER
SUMMARY OF DISMANTLEMENT COSTS

FERC Account Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
Cutler Common				
311 Structures and Improvements	317,518	293,622	156,901	454,239
312 Boiler Plant Equipment	5,548	0	3,240	2,308
314 Turbogenerator Units	127,622	56,350	21,120	162,852
315 Accessory Electrical Equipment	67,819	0	212,240	(144,421)
316 Miscellaneous Equipment	2,340	0	1,080	1,260
Subtotal	520,847	349,972	394,581	476,239
Other Site Costs:				
Site Management Expenses	517,046			517,046
Other Site Contamination	105,300			105,300
Intake & Discharge Backfill	109,371			109,371
Grading & Seeding	983,260			983,260
Subtotal	1,714,977	0	0	1,714,977
Total Cutler Common	2,235,824	349,972	394,581	2,191,216
Contingency - 16%	357,732	55,996		413,727
Total Cutler Common	2,593,556	405,968	394,581	2,604,943
Unusable M&S Inventory	696,809		69,681	627,128
	3,290,365	405,968	464,262	3,232,071
Cutler Unit 5				
311 Structures and Improvements	194,768	119,581	49,477	264,872
312 Boiler Plant Equipment	1,031,985	154,782	471,984	714,783
314 Turbogenerator Units	580,371	71,086	383,303	268,154
315 Accessory Electrical Equipment	93,853	6,510	151,086	(50,723)
316 Miscellaneous Equipment	961	0	504	457
Subtotal	1,901,938	351,959	1,056,355	1,197,542
Contingency - 16%	304,310	56,313		360,624
Total Cutler Unit 5	2,206,248	408,273	1,056,355	1,558,166
Cutler Unit 6				
311 Structures and Improvements	330,671	185,143	78,055	437,759
312 Boiler Plant Equipment	2,445,796	254,396	677,715	2,022,478
314 Turbogenerator Units	487,658	80,531	364,996	203,193
315 Accessory Electrical Equipment	138,044	46,312	238,006	(53,650)
316 Miscellaneous Equipment	984	0	516	468
Subtotal	3,403,153	566,382	1,359,288	2,610,247
Contingency - 16%	544,505	90,621		635,126
Total Cutler Unit 6	3,947,658	657,003	1,359,288	3,245,373
Total Dismantlement Costs	9,444,271	1,471,244	2,879,905	8,035,610

CUTLER
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Cutler Common	1,556,134	1,734,231	405,968	464,262	3,232,071
Cutler Unit 5	1,323,749	882,499	408,273	1,056,355	1,558,166
Cutler Unit 6	2,368,595	1,579,063	657,003	1,359,288	3,245,373
Total	5,248,477	4,195,794	1,471,244	2,879,905	8,035,610

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	\$31.20	X	6	=	\$187.18
Foreman	\$39.71	X	1	=	\$39.71
Heavy Equipment Operator	\$38.04	X	1	=	\$38.04
Total Cost per hour of 8 man crew					<u>\$264.94</u>

Cost per man hour $\$264.94 / 8 = \underline{\underline{\$33.12}}$

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator	22,749.18
Front End Loader	2,656.68
Cutting Equipment	231.97
Total per month	<u>\$25,637.82</u>

$25,637.82 / 176 \text{ hours per month} = 145.67$

Cost per man hour	$\$145.67 / 8 =$	\$18.21
Plus: amount for small tools		1.00
Total Cost per man hour		<u>\$19.21</u>

CUTLER DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$33.12
Equipment	19.21
Total	<u>\$52.33</u>
 Rounded	 <u>\$52.00</u>
 For Concrete demolition add \$4.00 per hour additional equipment charge.	 <u>\$57.00</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.

<u>Components</u>	<u>Hourly Rate</u>	<u>Productivity Factor</u>	<u>Removal Factor</u>
Extra Heavy Steel (1)	\$52.00	2.50 MH / Ton	\$130.00 / Ton
Heavy Steel (2)	\$52.00	3.30 MH / Ton	\$171.60 / Ton
General Steel	\$52.00	4.40 MH / Ton	\$228.80 / Ton
Light Steel	\$52.00	7.10 MH / Ton	\$369.20 / Ton
Concrete	\$57.00	0.48 MH / CY	\$27.36 / CY
Reinforced Concrete	\$57.00	1.20 MH / CY	\$68.40 / CY
Copper-Elect. Cable & Generator Leads &	\$52.00	12.00 MH / Ton	\$624.00 / Ton
Copper - Generator	\$52.00	9.80 MH / Ton	\$509.60 / Ton
Copper - Transformer	\$52.00	7.40 MH / Ton	\$384.80 / Ton
General Insulation	\$52.00	1.00 MH / CY	\$52.00 / CY
Inground Pipe-Metal(3)	\$52.00	6.00 MH / Ton	\$312.00 / Ton
Concrete Pipe	\$57.00	4.60 MH / Ton	\$262.20 / CY
Asbestos			\$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 Homestead Landfill, using dumpsters provided by Waste Management, Inc. Concrete and non-asbestos insulation are non-hazardous wastes. The tipping fee is \$22 per cubic yard. The per-haul dumpster charges are \$535 per haul for a 20 cubic yard dumpster and \$635 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)	\$535.00 / pull	X	1 pull	=	\$535.00
Tipping Fees	\$22.00 / CY	X	20 CY	=	\$440.00
Total Cost per round Trip					<u>\$975.00</u>
Cost per Cubic Yard	\$975.00 / 15.38 cubic yards =				\$63.39
Plus 10% contractor profit					<u>6.34</u>
Total Cost per Cubic Yard					<u>\$69.73</u>
Rounded Cost per Cubic Yard					<u><u>\$70.00</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)	\$635.00 / pull	X	1 pull	=	\$635.00
Tipping Fees	\$22.00 / CY	X	30 CY	=	660.00
Total Cost per round Trip					<u>1,295.00</u>
Cost per Cubic Yard	\$1,295.00 / 27 cubic yards =				\$47.96
Plus 10% contractor profit					<u>4.80</u>
Total Cost per Cubic Yard					<u><u>\$52.76</u></u>
Rounded Cost per Cubic Yard					<u><u>\$53.00</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 \$19,202 per month, both office and site, and contractor's expenses of \$23,885 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	\$43,087
Number of months	12.00
Total Site Management Expenses	<u>\$517,046</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 \$39,120; the cost for the discharge is \$31,131. Cutler has one of each.

	<u>Cost/Structure</u>	<u>Quantity</u>	<u>Totals</u>
Intake	\$39,120	2	\$78,240 *
Discharge	\$31,131	1	\$31,131
			<u>\$109,371</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 \$56,186 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	\$56,186
Total Grading and Seeding Expense	<u>\$983,260</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	45,500
Soil/Other Contamination	59,500
Total	<u>\$3,305,300</u>

CUTLER DISMANTLEMENT STUDY

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
Cutler Common Plant										
FERC Account 311										
Improvements to Site										
Shelter	CY	1	17.00	17.00	27.36	465	70.00	1,190	0.00	0
Roads & Walkways	CY	1	1,585.00	1,585.00	27.36	43,366	70.00	110,950	0.00	0
Yard Lighting	TN	1	3.00	3.00	369.20	1,108	0.00	0	120.00	360
Dock	CY	1	85.00	85.00	27.36	2,326	70.00	5,950	0.00	0
						47,264		118,090		360
Service Water Supply System										
Concrete	CY	1	50.00	50.00	68.40	3,420	70.00	3,500	0.00	0
Raw Water Tank	TN	1	17.00	17.00	228.80	3,890	0.00	0	120.00	2,040
Piping	TN	1	15.00	15.00	171.60	2,574	0.00	0	120.00	1,800
Reinforced Concrete	CY	1	105.00	105.00	68.40	7,182	70.00	7,350	0.00	0
Raw Water Pumps	TN	1	5.00	5.00	171.60	858	0.00	0	120.00	600
Salt Water Pumps	TN	1	6.00	6.00	171.60	1,030	0.00	0	120.00	720
						18,953		10,850		5,160
Intake Structure										
Concrete	CY	1	395.00	395.00	68.40	27,018	70.00	27,650	0.00	0
Grills, Screens, Hoists	TN	1	14.00	14.00	228.80	3,203	0.00	0	120.00	1,680
						30,221		27,650		1,680
Conduits - Intake & Discharge										
Concrete Discharge Tunnel	CY	1	299.00	299.00	68.40	20,452	70.00	20,930	0.00	0
Reinforced - Concrete Discharge Tunnel	CY	1	1,420.00	1,420.00	68.40	97,128	70.00	99,400	0.00	0
						117,580		120,330		0
Station Structures										
Structural Steel	TN	1	208.00	208.00	171.60	35,693	0.00	0	120.00	24,960
Turbine Enclosure	TN	1	15.00	15.00	228.80	3,432	0.00	0	120.00	1,800
Cable Vault Trays	TN	1	7.00	7.00	228.80	1,602	0.00	0	120.00	840
Laboratory Walls	CY	1	27.00	27.00	27.36	739	70.00	1,890	0.00	0
Concrete	CY	1	82.00	82.00	27.36	2,244	70.00	5,740	0.00	0
Grating & Steel Plate Floor	TN	1	11.00	11.00	228.80	2,517	0.00	0	120.00	1,320
Station Cranes & Hoists	TN	1	74.00	74.00	171.60	12,698	0.00	0	120.00	8,880
						58,924		7,630		37,800
Building Equipment										
Building Elevator	TN	1	9.00	9.00	228.80	2,059	0.00	0	120.00	1,080
Structural Steel - Elevator	TN	1	27.10	27.10	171.60	4,650	0.00	0	2000.00	54,200
Reinforced Concrete - Elevator	CY	1	4.60	4.60	68.40	315	70.00	322	0.00	0
HVAC	TN	1	6.00	6.00	228.80	1,373	0.00	0	120.00	720
Plumbing	TN	1	7.00	7.00	228.80	1,602	0.00	0	120.00	840
Lighting & Building Wiring	TN	1	19.00	19.00	624.00	11,856	0.00	0	2,100.00	39,900
Fire Protection Equipment	TN	1	4.00	4.00	228.80	915	0.00	0	120.00	480
Other Cranes & Hoists	TN	1	1.34	1.34	171.60	230	0.00	0	120.00	161
						23,000		322		97,381
Service Building										
Concrete	CY	1	125.00	125.00	68.40	8,550	70.00	8,750	0.00	0
Structural Steel	TN	1	37.00	37.00	171.60	6,349	0.00	0	120.00	4,440
HVAC	TN	1	9.00	9.00	369.20	3,323	0.00	0	120.00	1,080
Plumbing	TN	1	5.00	5.00	171.60	858	0.00	0	120.00	600
Lighting & Building Wiring	TN	1	4.00	4.00	624.00	2,496	0.00	0	2,100.00	8,400
						21,576		8,750		14,520

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CUTLER DISMANTLEMENT STUDY

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
Total Account 311						317,518		293,622		156,901
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Strainers, Heaters & Accessories	TN	1	16.00	16.00	228.80	3,661	0.00	0	120.00	1,920
Boiler Plant Auxiliaries										
Boiler Piping	TN	1	11.00	11.00	171.60	1,888	0.00	0	120.00	1,320
Total Account 312						5,548		0		3,240
FERC Account 314										
Turbogenerator Equipment										
Condensers & Auxiliaries										
Circulating Water Pumps & Valves	TN	4	39.00	156.00	228.80	35,693	0.00	0	120.00	18,720
Miscellaneous Turbine Equipment	TN	1	11.00	11.00	228.80	2,517	0.00	0	120.00	1,320
Circulating Water Pipe	CY	1	105.00	105.00	262.20	38,210	70.00	7,350	0.00	0
						76,419		7,350		20,040
Reinforced Concrete - Units 3 & 4 Turbine Pedestals	CY	1	700.00	700.00	68.40	47,880	70.00	49,000	0.00	0
Turbine Room Instruments	TN	1	9.00	9.00	369.20	3,323	0.00	0	120.00	1,080
						51,203		49,000		1,080
Total Account 314						127,622		56,350		21,120
FERC Account 315										
Accessory Electrical Equipment										
Aux Power Transformer	TN	1	12.00	12.00	228.80	2,746	0.00	0	120.00	1,440
Station Service Transformer	TN	1	2.50	2.50	228.80	572	0.00	0	120.00	300
Transformer Copper	TN	1	5.80	5.80	384.80	2,232	0.00	0	5,000.00	29,000
Power Wiring	TN	1	50.00	50.00	624.00	31,200	0.00	0	2,100.00	105,000
Control Cable & Supporting Cable Trays	TN	1	35.00	35.00	624.00	21,840	0.00	0	2,100.00	73,500
Control Boards, Switchgear & Load Centers	TN	1	25.00	25.00	369.20	9,230	0.00	0	120.00	3,000
Total Account 315						67,819		0		212,240
FERC Account 316										
Miscellaneous Power Plant Equipment										
Air Compressor System	TN	1	7.00	7.00	228.80	1,602	0.00	0	120.00	840
Communications Equipment	TN	1	1.00	1.00	369.20	369	0.00	0	120.00	120
General Plant Equipment	TN	1	1.00	1.00	369.20	369	0.00	0	120.00	120
Total Account 316						2,340		0		1,080
Total Cutler Common						520,847		349,972		394,581
CUTLER UNIT 5										
FERC Account 311										
Improvements to Site										
Reinforced Concrete	CY	1	69.60	69.60	68.40	4,761	70.00	4,872	0.00	0
Subtotal						4,761		4,872		0

CUTLER DISMANTLEMENT STUDY

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
<u>Condensing and Service Water System</u>										
Water Treatment Equipment	TN	1	22.00	22.00	228.80	5,034	0.00	0	120.00	2,640
Reinforced Concrete - Piping	CY	1	4.00	4.00	68.40	274	70.00	280	0.00	0
Reinf Concr - Fresh Water Well System	CY	1	1.30	1.30	68.40	89	70.00	91	0.00	0
Salt Water Well Pump System	TN	2	1.28	2.56	228.80	586	0.00	0	120.00	307
Reinf Concr - Salt Water Well Pump System	CY	1	6.30	6.30	68.40	431	70.00	441	0.00	0
Reinforced Concrete - Intake Structure	CY	1	354.30	354.30	68.40	24,234	70.00	24,801	0.00	0
Structural Steel	TN	1	11.81	11.81	171.60	2,027	0.00	0	120.00	1,417
Traveling, Fine and Coarse Screens	TN	1	30.02	30.02	228.80	6,869	0.00	0	120.00	3,602
Screen Wash Pump	TN	1	1.04	1.04	369.20	384	0.00	0	120.00	125
Piping (Cast Iron - 42")	TN	1	100.60	100.60	312.00	31,387	0.00	0	120.00	12,072
Piping (Transite - 6")	TN	1	22.75	22.75	312.00	7,098	0.00	0	120.00	2,730
Concrete	CY	1	12.00	12.00	27.36	328	70.00	840	0.00	0
Reinforced Concrete	CY	1	162.00	162.00	68.40	11,081	70.00	11,340	0.00	0
Subtotal						89,820		37,793		22,894
<u>Station Structures</u>										
Concrete	CY	1	366.00	366.00	27.36	10,014	70.00	25,620	0.00	0
Reinforced Concrete - Walls & Floors	CY	1	545.10	545.10	68.40	37,285	70.00	38,157	0.00	0
Structural Steel	TN	1	143.50	143.50	171.60	24,625	0.00	0	120.00	17,220
Grating, Steel Plate & Doors	TN	1	10.30	10.30	369.20	3,803	0.00	0	120.00	1,236
Steel Platforms, Stairs, Ladders, Handrailing	TN	1	21.10	21.10	369.20	7,790	0.00	0	120.00	2,532
Concrete - Floors & Roofs	CY	1	101.60	101.60	27.36	2,780	70.00	7,112	0.00	0
Reinforced Concrete - Floors, Drains & Sumps	CY	1	23.50	23.50	68.40	1,607	70.00	1,645	0.00	0
Other Cranes & Hoists	TN	1	1.13	1.13	171.60	194	0.00	0	120.00	136
Elevator	TN	1	9.00	9.00	171.60	1,544	0.00	0	120.00	1,080
Structural Steel - Elevator	TN	1	36.50	36.50	171.60	6,263	0.00	0	120.00	4,380
Reinforced Concrete - Elevator	CY	1	3.60	3.60	68.40	246	70.00	252	0.00	0
Subtotal						96,151		72,786		26,584
<u>Fuel and Ash Structure</u>										
Reinf Concr Supports for Existing Pipe Lines	CY	1	59.00	59.00	68.40	4,036	70.00	4,130	0.00	0
Subtotal						4,036		4,130		0
Total Account 311						194,768		119,581		49,477
<u>FERC Account 312</u>										
<u>Boiler Plant Equipment</u>										
Fuel Oil Burner Pumps	TN	2	0.80	1.60	228.80	366	0.00	0	120.00	192
Fuel Oil Booster Pump (w/motor)	TN	1	2.20	2.20	228.80	503	0.00	0	120.00	264
Reinforced Concrete for Fuel Burner Pumps	CY	1	6.00	6.00	68.40	410	70.00	420	0.00	0
Forced Draft Fans	TN	2	5.25	10.50	171.60	1,802	0.00	0	120.00	1,260
Motors for Forced Draft Fans	TN	2	1.75	3.50	228.80	801	0.00	0	120.00	420
Forced Draft Foundation - Reinforced Concrete	CY	1	140.00	140.00	68.40	9,576	70.00	9,800	0.00	0
Ducts	TN	1	120.00	120.00	228.80	27,456	0.00	0	120.00	14,400
Duct Insulation	CY	1	180.00	180.00	52.00	9,360	53.00	9,540	0.00	0
Reinf Concrete for F.O., Strm, Cond. Piping	CY	1	121.70	121.70	68.40	8,324	70.00	8,519	0.00	0
Subtotal						58,599		28,279		16,536
<u>Boiler Equipment</u>										
Reinforced Concrete - Boiler Foundation Piers	CY	1	16.00	16.00	68.40	1,094	70.00	1,120	0.00	0
Concrete Deck Slabs	CY	1	28.00	28.00	68.40	1,915	70.00	1,960	0.00	0
Structural Steel	TN	1	479.80	479.80	171.60	82,334	0.00	0	120.00	57,576
Platform Grating and Handrail	TN	1	68.50	68.50	369.20	25,290	0.00	0	120.00	8,220
Gas Piping	TN	1	37.00	37.00	228.80	8,466	0.00	0	120.00	4,440

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CUTLER DISMANTLEMENT STUDY

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
<u>Steam Generation Unit - including:</u>										
Drum	TN	1	69.75	69.75	171.60	11,969	0.00	0	120.00	8,370
Water walls	TN	1	190.34	190.34	171.60	32,662	0.00	0	120.00	22,841
Downcomers	TN	1	38.50	38.50	171.60	6,607	0.00	0	120.00	4,620
Airheater	TN	1	134.70	134.70	171.60	23,115	0.00	0	120.00	16,164
Superheater	TN	1	135.38	135.38	171.60	23,231	0.00	0	120.00	16,246
Economizer	TN	1	111.38	111.38	171.60	19,113	0.00	0	120.00	13,366
Boiler setting - Insulation	CY	1	300.00	300.00	1,250.00	375,000	100.00	30,000	0.00	0
Boiler setting - brick	CY	1	150.00	150.00	1,250.00	187,500	100.00	15,000	0.00	0
Copper pipe and tubing	TN	1	52.00	52.00	384.80	20,010	0.00	0	5,000.00	260,000
Combustion and Feedwater Control Equipment	TN	1	5.75	5.75	369.20	2,123	0.00	0	120.00	690
Subtotal						820,428		48,080		412,532
<u>Boiler Plant Auxiliaries</u>										
<u>Feed Water Heaters</u>										
11th Stage High Pressure Heater #2	TN	1	5.40	5.40	171.60	927	0.00	0	120.00	648
17th Stage High Pressure Heater #1	TN	1	4.83	4.83	171.60	829	0.00	0	120.00	580
22nd Stage Intermediate Pressure Heater	TN	1	4.07	4.07	171.60	698	0.00	0	120.00	488
25th Stage Low Pressure Heater #2	TN	1	4.98	4.98	228.80	1,139	0.00	0	120.00	598
28th Stage Low Pressure Heater #1	TN	1	7.42	7.42	228.80	1,698	0.00	0	120.00	890
Condensate Make-Up Heater	TN	1	1.02	1.02	228.80	233	0.00	0	120.00	122
Boiler Feed Pumps (including motors)	TN	3	7.65	22.95	171.60	3,938	0.00	0	120.00	2,754
Reinforced Concrete for Pumps	CY	1	38.50	38.50	68.40	2,633	70.00	2,695	0.00	0
Intermediate Pressure Heater Drain Pumps	TN	2	1.27	2.54	228.80	581	0.00	0	120.00	305
I.P. Heater Drain Pumps - Reinforced Concrete	CY	1	4.70	4.70	68.40	321	70.00	329	0.00	0
Feedwater Regulator Valves	TN	1	4.10	4.10	171.60	704	0.00	0	120.00	492
Reverse Current Valves	TN	1	1.29	1.29	171.60	221	0.00	0	120.00	155
Subtotal						13,924		3,024		7,032
<u>Boiler Plant Piping</u>										
<u>General Piping (includes system valves)</u>										
2.5" & Under - Pipe, Valves & Fittings	TN	1	1.34	1.34	228.80	307	0.00	0	120.00	161
2.5" & Under - Insulation	CY	1	3.82	3.82	52.00	199	53.00	203	0.00	0
2.51" - 8" - Pipe, Valves & Fittings	TN	1	63.86	63.86	228.80	14,611	0.00	0	120.00	7,663
2.51" - 8" - Insulation	CY	1	33.31	33.31	52.00	1,732	53.00	1,765	0.00	0
Over 8" - Pipe, Valves & Fittings	TN	1	82.04	82.04	171.60	14,078	0.00	0	120.00	9,845
Over 8" - Insulation	CY	1	66.99	66.99	52.00	3,483	53.00	3,550	0.00	0
Extraction Steam Valves	TN	1	1.00	1.00	171.60	172	0.00	0	120.00	120
Main Steam Stop Valves	TN	2	5.00	10.00	171.60	1,716	0.00	0	120.00	1,200
Check Valves - 6"	TN	3	0.43	1.29	228.80	295	0.00	0	120.00	155
Steel Valves - 2" & smaller	TN	1	2.50	2.50	228.80	572	0.00	0	120.00	300
Reverse Current Valves 6", 8", 12"	TN	1	1.29	1.29	228.80	295	0.00	0	120.00	155
Subtotal						37,460		5,518		19,598
<u>Induced Draft Equipment</u>										
Stack Breeching	CY	1	200.30	200.30	68.40	13,701	70.00	14,021	0.00	0
Foundation - Reinforced Concrete I.D. Fans	CY	1	50.00	50.00	68.40	3,420	70.00	3,500	0.00	0
Induced Draft Fans	TN	2	8.75	17.50	171.60	3,003	0.00	0	120.00	2,100
Motors for Induced Draft Fans	TN	2	3.94	7.88	228.80	1,802	0.00	0	120.00	945
Dust Separators	TN	2	31.00	62.00	171.60	10,639	0.00	0	120.00	7,440
Dust Separators - Reinforced Concrete	CY	1	5.30	5.30	68.40	363	70.00	371	0.00	0
Soot Disposal Discharge Reinforced Concrete	CY	1	5.70	5.70	68.40	390	70.00	399	0.00	0
150' Stack With Tile Lining	CY	1	187.50	187.50	68.40	12,825	70.00	13,125	0.00	0
Reinforced Concrete for Stack	CY	1	199.50	199.50	68.40	13,646	70.00	13,965	0.00	0

CUTLER DISMANTLEMENT STUDY

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
Concrete Stack Foundation - Concrete	CY	1	350.00	350.00	68.40	23,940	70.00	24,500	0.00	0
Subtotal						83,728		69,881		10,485
Miscellaneous Equipment & Steel	TN	1	48.34	48.34	369.20	17,847	0.00	0	120.00	5,801
Total Account 312						1,031,985		154,782		471,984
FERC Account 314										
Turbogenerator Unit										
Concrete Pedestal										
Reinforced Concrete	CY	1	388.80	388.80	68.40	26,594	70.00	27,216	0.00	0
Subtotal						26,594		27,216		0
Turbogenerator Equipment										
Turbine Generator	TN	1	362.50	362.50	130.00	47,125	0.00	0	120.00	43,500
Turbine Generator Copper	TN	1	22.48	22.48	509.60	11,453	0.00	0	5000.00	112,375
Turbine Generator Access Foundations	CY	1	29.00	29.00	68.40	1,984	70.00	2,030	0.00	0
Turbine Plant Piping	TN	1	158.10	158.10	228.80	36,173	0.00	0	120.00	18,972
Turbine Insulation - Asbestos	CY	1	300.00	300.00	1,250.00	375,000	100.00	30,000	0.00	0
Turbine Insulation	CY	1	125.00	125.00	52.00	6,500	53.00	6,625	0.00	0
Subtotal						478,235		38,655		174,847
Condensers and Auxiliaries										
Condenser - 60000 sq ft, twin shell w/1600 cu ft hotwell storage. Incls 10096 alumn-brs tubes.										
Condenser Shell	TN	1	197.50	197.50	171.60	33,891	0.00	0	120.00	23,700
Condenser Tubes - Aluminum-Brass	TN	1	64.25	64.25	384.80	24,723	0.00	0	2,800.00	179,900
Condenser Foundation - Reinforced Concrete	CY	1	62.00	62.00	68.40	4,241	70.00	4,340	0.00	0
Subtotal						62,855		4,340		203,600
Auxiliary Equipment										
Condensate Pumps (includes 200 hp motors)	TN	3	4.25	12.75	228.80	2,917	0.00	0	120.00	1,530
Reinforced Concrete For Condensate Pumps	CY	1	8.90	8.90	68.40	609	70.00	623	0.00	0
Subtotal						3,526		623		1,530
Cooling Water Equipment										
Cooling Water Pumps - Aurora 2000 gpm	TN	2	0.60	1.20	228.80	275	0.00	0	120.00	144
Cooling Water Pumps - Reinforced Concrete	CY	1	3.10	3.10	68.40	212	70.00	217	0.00	0
Cooling Water Heat Exchangers - 1 mil #/hr	TN	1	6.15	6.15	228.80	1,407	0.00	0	120.00	738
Reinf Concr for Cooling Water Heat Exchangers	CY	1	0.50	0.50	68.40	34	70.00	35	0.00	0
Sealing Water Sys - Cing Wtr & Glnl SI Trnks	TN	1	2.05	2.05	228.80	469	0.00	0	120.00	246
Subtotal						2,397		252		1,128
Miscellaneous Equipment	TN	1	18.32	18.32	369.20	6,764	0.00	0	120.00	2,198
Total Account 314						580,371		71,086		383,303
FERC Account 315										
Accessory Electrical Equipment										
Foundations and Structures										
Generator Leads & Supports										
Reinforced Concrete	CY	1	33.10	33.10	68.40	2,264	70.00	2,317	0.00	0
Structural Steel	TN	1	7.70	7.70	171.60	1,321	0.00	0	120.00	924

CUTLER DISMANTLEMENT STUDY

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
Generator Leads Enclosures	TN	1	4.84	4.84	228.80	1,107	0.00	0	120.00	581
Subtotal						4,693		2,317		1,505
Power Conversion Equipment										
2400 V Metal Clad Switchgear	TN	2	22.25	44.50	369.20	16,429	0.00	0	120.00	5,340
480 V Metal Clad Switchgear	TN	2	18.25	36.50	369.20	13,476	0.00	0	120.00	4,380
Main Exciter	TN	1	8.38	8.38	369.20	3,094	0.00	0	120.00	1,006
Starting Transformer - 5000 kva	TN	1	12.00	12.00	369.20	4,430	0.00	0	120.00	1,440
Transformer Copper	TN	1	4.80	4.80	384.80	1,847	0.00	0	5,000.00	24,000
Reinforced Concrete for Starting Transformer	CY	1	19.90	19.90	68.40	1,361	70.00	1,393	0.00	0
Conduit	TN	1	40.00	40.00	369.20	14,768	0.00	0	120.00	4,800
Concrete	CY	1	447.80	447.80	27.36	12,252	70.00	2,800	0.00	0
Generator Leads (all copper tubing)	TN	1	12.50	12.50	624.00	7,800	0.00	0	5,000.00	62,500
Power Wiring	TN	1	20.89	20.89	624.00	13,035	0.00	0	2,100.00	43,869
Control Cable & Supporting Cable Trays	TN	1	1.07	1.07	624.00	668	0.00	0	2,100.00	2,247
Subtotal						89,161		4,193		149,582
Total Account 315						93,853		6,510		151,086
FERC Account 316										
Miscellaneous Power Plant Equipment										
Air Compressor System	TN	2	2.10	4.20	228.80	961	0.00	0	120.00	504
Total Account 316						961		0		504
TOTAL CUTLER UNIT 5						1,901,938		351,959		1,056,355
CUTLER UNIT 6										
FERC Account 311										
Improvements to Site										
Reinforced Concrete	CY	1	43.70	43.70	68.40	2,989	70.00	3,059	0.00	0
Asphalt Paving	CY	1	202.54	202.54	27.36	5,541	70.00	14,178	0.00	0
Subtotal						8,531		17,237		0
Condensing and Service Water System										
Piping	TN	1	3.80	3.80	312.00	1,186	0.00	0	120.00	456
Reinforced Concrete - Piping	CY	1	17.20	17.20	68.40	1,176	70.00	1,204	0.00	0
Salt Water Well Pump System	TN	1	1.62	1.62	228.80	371	0.00	0	120.00	194
Reinforced Concrete - Intake Structure	CY	1	373.00	373.00	68.40	25,513	70.00	26,110	0.00	0
Structural Steel	TN	1	64.90	64.90	171.60	11,137	0.00	0	120.00	7,788
Traveling, Fine and Coarse Screens	TN	1	19.74	19.74	228.80	4,517	0.00	0	120.00	2,369
Piping (Cast Iron - 48")	TN	1	292.40	292.40	312.00	91,229	0.00	0	120.00	35,088
Piping (Concrete - 48")	TN	1	106.86	106.86	262.20	28,019	70.00	7,480	0.00	0
Concrete	CY	1	233.30	233.30	27.36	6,383	70.00	16,331	0.00	0
Reinforced Concrete	CY	1	32.50	32.50	68.40	2,223	70.00	2,275	0.00	0
Subtotal						171,753		53,400		45,895
Station Structures										
Walls & Floors - Unreinforced Concrete	CY	1	351.50	351.50	27.36	9,617	70.00	24,605	0.00	0
Reinforced Concrete - Walls & Floors	CY	1	1,277.40	1,277.40	68.40	87,374	70.00	89,418	0.00	0
Structural Steel	TN	1	158.90	158.90	171.60	27,267	0.00	0	120.00	19,068
Grating and Steel Plate	TN	1	10.30	10.30	369.20	3,803	0.00	0	120.00	1,236
Steel Platforms, Stairs, Ladders, Handrailing	TN	1	24.80	24.80	369.20	9,156	0.00	0	120.00	2,976
Reinforced Concrete - Floors, Drains & Sumps	CY	1	6.90	6.90	68.40	472	70.00	483	0.00	0

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CUTLER DISMANTLEMENT STUDY

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
Station Crane	TN	1	74.00	74.00	171.60	12,698	0.00	0	120.00	8,880
Subtotal						150,388		114,506		32,160
Total Account 311						330,671		185,143		78,055
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil Tmsfer Pump - 420 gpm (w/50 hp mtr)	TN	2	0.85	1.70	228.80	389	0.00	0	120.00	204
Unloading Pump - 1225 gpm (w/125 hp motor)	TN	1	3.50	3.50	228.80	801	0.00	0	120.00	420
Stripping Pump - 200 gpm	TN	1	1.06	1.06	228.80	243	0.00	0	120.00	127
Reinforced Concrete for Pumps	CY	1	4.30	4.30	68.40	294	70.00	301	0.00	0
6", 10", 12" basket fuel oil strainers	TN	1	2.55	2.55	228.80	583	0.00	0	120.00	306
Reinforced Concrete for Heaters & Strainers	CY	1	11.40	11.40	68.40	780	70.00	798	0.00	0
Fuel Bumer Pumps	TN	4	0.75	3.00	228.80	686	0.00	0	120.00	360
Reinforced Concrete for Fuel Bumer Pumps	CY	1	29.70	29.70	68.40	2,031	70.00	2,079	0.00	0
Forced Draft Fans	TN	2	7.94	15.88	171.60	2,725	0.00	0	120.00	1,906
Motors for Forced Draft Fans	TN	2	2.64	5.28	228.80	1,208	0.00	0	120.00	634
Forced Draft Foundation - Reinforced Concrete	CY	1	152.10	152.10	68.40	10,404	70.00	10,647	0.00	0
Ducts	TN	1	160.00	160.00	228.80	36,608	0.00	0	120.00	19,200
Duct Insulation	CY	1	240.00	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	50.00	68.40	3,420	70.00	3,500	0.00	0
Subtotal						360,172		41,325		23,156
Boiler Equipment										
Concrete Reinforced Boiler Foundation Piers	CY	1	21.30	21.30	68.40	1,457	70.00	1,491	0.00	0
Concrete Deck Slabs	CY	1	40.70	40.70	68.40	2,784	70.00	2,849	0.00	0
Structural Steel	TN	1	768.80	768.80	171.60	131,926	0.00	0	120.00	92,256
Platform Grating and Handrail	TN	1	90.60	90.60	369.20	33,450	0.00	0	120.00	10,872
Gas Piping	TN	1	41.00	41.00	228.80	9,381	0.00	0	120.00	4,920
Steam Generation Unit - including:										
Drum	TN	1	91.18	91.18	171.60	15,646	0.00	0	120.00	10,942
Water walls	TN	1	241.73	241.73	171.60	41,481	0.00	0	120.00	29,008
Downcomers	TN	1	70.33	70.33	171.60	12,069	0.00	0	120.00	8,440
Airheater	TN	2	74.00	148.00	171.60	25,397	0.00	0	120.00	17,760
Superheater	TN	1	142.96	142.96	171.60	24,532	0.00	0	120.00	17,155
Reheater	TN	1	150.11	150.11	171.60	25,759	0.00	0	120.00	18,013
Economizer	TN	1	171.93	171.93	171.60	29,503	0.00	0	120.00	20,632
Boiler setting - Insulation	CY	1	600.00	600.00	1,250.00	750,000	100.00	60,000	0.00	0
Boiler setting - brick	CY	1	200.00	200.00	1,250.00	250,000	100.00	20,000	0.00	0
Copper pipe and tubing	TN	1	67.40	67.40	384.80	25,936	0.00	0	5,000.00	337,000
Model RIC Air Compressors	TN	1	3.65	3.65	369.20	1,348	0.00	0	120.00	438
Combust. Cntrl Eqpmnt - Reinforced Concrete	CY	1	21.30	21.30	68.40	1,457	70.00	1,491	0.00	0
Subtotal						1,382,124		85,831		567,435
Boiler Plant Auxiliaries										
Feed Water Heaters										
7th Extraction Point Crossover Heater	TN	1	31.50	31.50	171.60	5,405	0.00	0	120.00	3,780
11th Extraction Point - High Pressure Heater	TN	1	30.00	30.00	171.60	5,148	0.00	0	120.00	3,600
15th Extraction Point - Intermed. Pres. Htr.	TN	1	11.00	11.00	171.60	1,888	0.00	0	120.00	1,320
17th Extraction Point - Low Pressure Heater	TN	1	11.50	11.50	228.80	2,631	0.00	0	120.00	1,380
19th Extraction Point - Low Pressure Heater	TN	1	11.25	11.25	228.80	2,574	0.00	0	120.00	1,350
20th Extraction Point - Low Pressure Heater	TN	1	19.75	19.75	228.80	4,519	0.00	0	120.00	2,370
Deaerating Preheater	TN	1	3.25	3.25	171.60	558	0.00	0	120.00	390
Boiler Feed Pumps (including motors)	TN	3	19.25	57.75	171.60	9,910	0.00	0	120.00	6,930

CUTLER DISMANTLEMENT STUDY

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
Boiler Feed Pump Ventilation - Fans	TN	1	3.49	3.49	171.60	599	0.00	0	120.00	419
Boiler Feed Pumps Reinforced Concrete	CY	1	62.60	62.60	68.40	4,282	70.00	4,382	0.00	0
Intermediate Pressure Heater Drain Pumps	TN	2	1.59	3.18	228.80	728	0.00	0	120.00	382
I.P. Heater Drain Pumps - Reinforced Concrete	CY	1	2.20	2.20	68.40	150	70.00	154	0.00	0
Condensate Storage Tank - Reinforced Concrete	CY	1	5.90	5.90	68.40	404	70.00	413	0.00	0
Condensate Storage Tank - 60000 gal cap	TN	1	16.50	16.50	228.80	3,775	0.00	0	120.00	1,980
Condensate Collecting Tank	TN	1	2.50	2.50	228.80	572	0.00	0	120.00	300
Combustion and Feedwater Controls	TN	1	1.78	1.78	369.20	657	0.00	0	120.00	214
Feedwater Regulator Valves	TN	1	5.75	5.75	171.60	987	0.00	0	120.00	690
Reverse Current Valves	TN	1	1.28	1.28	171.60	220	0.00	0	120.00	154
Condensate Return Cooler w/158.5 sq ft surf.	TN	1	1.60	1.60	228.80	366	0.00	0	120.00	192
Blowoff Tank - 6' dia, 7'7" high	TN	1	6.30	6.30	171.60	1,081	0.00	0	120.00	756
Blowoff Tank - Reinforced Concrete	CY	1	4.90	4.90	68.40	335	70.00	343	0.00	0
Subtotal						46,788		5,292		26,206
Boiler Plant Piping										
General Piping (includes system valves)										
2.5" & Under - Pipe, Valves & Fittings	TN	1	1.79	1.79	228.80	410	0.00	0	120.00	215
2.5" & Under - Insulation	CY	1	160.00	160.00	1,250.00	200,000	100.00	16,000	0.00	0
2.51" - 8" - Pipe, Valves & Fittings	TN	1	89.64	89.64	228.80	20,510	0.00	0	120.00	10,757
2.51" - 8" - Insulation	CY	1	225.00	225.00	1,250.00	281,250	100.00	22,500	0.00	0
Over 8" - Pipe, Valves & Fittings	TN	1	109.38	109.38	171.60	18,770	0.00	0	120.00	13,126
Over 8" - Insulation	CY	1	89.04	89.04	52.00	4,630	53.00	4,719	0.00	0
Extraction Steam Valves	TN	1	1.05	1.05	171.60	180	0.00	0	120.00	126
Main Steam Stop Valves	TN	2	6.50	13.00	171.60	2,231	0.00	0	120.00	1,560
Combined Reheat Stop Valves	TN	2	9.00	18.00	171.60	3,089	0.00	0	120.00	2,160
Subtotal						531,069		43,219		27,943
Induced Draft Equipment										
Stack Breeching	CY	1	173.50	173.50	68.40	11,867	70.00	12,145	0.00	0
Foundation - Reinforced Concrete I.D. Fans	CY	1	63.10	63.10	68.40	4,316	70.00	4,417	0.00	0
Induced Draft Fans	TN	2	11.85	23.70	171.60	4,067	0.00	0	120.00	2,844
Motors for Induced Draft Fans	TN	2	5.65	11.30	228.80	2,585	0.00	0	120.00	1,356
Dust Separators	TN	2	77.00	154.00	171.60	26,426	0.00	0	120.00	18,480
Dust Separators - Reinforced Concrete	CY	1	4.80	4.80	68.40	328	70.00	336	0.00	0
Soot Disposal Discharge Reinforced Concrete	CY	1	14.20	14.20	68.40	971	70.00	994	0.00	0
150' Stack with Inner Radial Brick Lining	CY	1	187.50	187.50	68.40	12,825	70.00	13,125	0.00	0
Concrete Stack Fndtn - Reinforced Concrete	CY	1	290.80	290.80	68.40	19,891	70.00	20,356	0.00	0
Concrete Stack Fndtn - Concrete	CY	1	390.80	390.80	27.36	10,692	70.00	27,356	0.00	0
Subtotal						93,970		78,729		22,680
Miscellaneous Equipment & Steel	TN	1	85.79	85.79	369.20	31,674	0.00	0	120.00	10,295
Total Account 312						2,445,796		254,396		677,715
FERC Account 314										
Turbogenerator Unit										
Concrete Pedestal										
Reinforced Concrete	CY	1	568.50	568.50	68.40	38,885	70.00	39,795	0.00	0
Subtotal						38,885		39,795		0
Turbogenerator Equipment										
Turbine Generator	TN	1	475.00	475.00	130.00	61,750	0.00	0	120.00	57,000
Turbine Generator Copper	TN	1	10.45	10.45	509.60	5,325	0.00	0	5,000.00	52,250

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo- nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of of Measure	Total Salvage Value
Turbine Generator Access Foundations	CY	1	14.60	14.60	68.40	999	70.00	1,022	0.00	0
Turbine Plant Piping	TN	1	207.20	207.20	228.80	47,407	0.00	0	120.00	24,864
Turbine Insulation	CY	1	370.00	370.00	52.00	19,240	53.00	19,610	0.00	0
Turbine Insulation - Asbestos	CY	1	196.00	196.00	1,250.00	245,000	100.00	19,600	0.00	0
Subtotal						379,721		40,232		134,114
<u>Condensers and Auxiliaries</u>										
Condenser - 65000 sq ft, single shell w/1600 cu ft hotwell storage. Incls 9524 almn-brs tubes.										
Condenser Shell	TN	1	238.00	238.00	171.60	40,841	0.00	0	120.00	28,560
Condenser Tubes	TN	1	69.95	69.95	171.60	12,003	0.00	0	2,800.00	195,860
Condenser Foundation - Reinforced Concrete	CY	1	5.90	5.90	68.40	404	70.00	413	0.00	0
Subtotal						53,248		413		224,420
<u>Auxiliary Equipment</u>										
Condensate Pumps - w/300 hp motors	TN	3	5.75	17.25	228.80	3,947	0.00	0	120.00	2,070
Steam Jet Air Ejectors	TN	1	2.50	2.50	228.80	572	0.00	0	120.00	300
Silencers for Blowoff Tank	TN	1	2.58	2.58	228.80	590	0.00	0	120.00	310
Subtotal						5,109		0		2,680
<u>Cooling Water Equipment</u>										
Cooling Water Pumps - Aurora 2000 gpm w/60 hp	TN	2	0.60	1.20	228.80	275	0.00	0	120.00	144
Cooling Water Pumps - Reinforced Concrete	CY	1	0.40	0.40	68.40	27	70.00	28	0.00	0
Cooling Water Heat Exchangers - 1 mil #/hr	TN	1	6.15	6.15	228.80	1,407	0.00	0	120.00	738
Reinf Concr for Cooling Water Heat Exchangs.	CY	1	0.90	0.90	68.40	62	70.00	63	0.00	0
Subtotal						1,771		91		882
Miscellaneous Equipment & Steel	TN	1	24.17	24.17	369.20	8,924	0.00	0	120.00	2,900
Total Account 314						487,658		80,531		364,996
FERC Account 315										
<u>Accessory Electrical Equipment</u>										
<u>Foundations and Structures</u>										
<u>Generator Leads & Supports</u>										
Reinforced Concrete	CY	1	47.60	47.60	68.40	3,256	70.00	3,332	0.00	0
Structural Steel	TN	1	20.97	20.97	171.60	3,598	0.00	0	120.00	2,516
Generator Leads Enclosures	TN	1	19.35	19.35	228.80	4,427	0.00	0	120.00	2,322
Manholes & Handholes - Reinforced Concrete	CY	1	46.40	46.40	68.40	3,174	70.00	3,248	0.00	0
Auxiliary Power Trnsfrmr - Reinforced Concr.	CY	1	5.50	5.50	68.40	376	70.00	385	0.00	0
Station Service Trnsfrms - Reinforced Concr.	CY	1	13.00	13.00	68.40	889	70.00	910	0.00	0
Metal Clad 2400 v Switchgear - Reinf. Concr.	CY	1	31.00	31.00	68.40	2,120	70.00	2,170	0.00	0
Subtotal						17,841		10,045		4,838
<u>Power Conversion Equipment</u>										
2400 V Metal Clad Switchgear	TN	2	18.00	36.00	369.20	13,291	0.00	0	120.00	4,320
480 V Metal Clad Switchgear	TN	2	15.00	30.00	369.20	11,076	0.00	0	120.00	3,600
Main Exciter	TN	1	15.08	15.08	369.20	5,568	0.00	0	120.00	1,810
Starting Transformer	TN	1	9.00	9.00	369.20	3,323	0.00	0	120.00	1,080
Transformer Copper	TN	1	3.60	3.60	384.80	1,385	0.00	0	5,000.00	18,000
Conduit	TN	1	56.50	56.50	369.20	20,860	0.00	0	120.00	6,780
Concrete	CY	1	518.10	518.10	27.36	14,175	70.00	36,267	0.00	0
Station Insulators	TN	1	8.10	8.10	369.20	2,991	0.00	0	120.00	972

CUTLER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo- nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of of Measure	Total Salvage Value
Generator Leads - Copper	TN	1	16.00	16.00	624.00	9,984	0.00	0	5,000.00	80,000
Buss Fittings	TN	1	3.90	3.90	369.20	1,440	0.00	0	120.00	468
Power Wiring	TN	1	26.74	26.74	624.00	16,686	0.00	0	2,100.00	56,154
Control Wiring	TN	1	25.79	25.79	624.00	16,093	0.00	0	2,100.00	54,159
Other Cable	TN	1	2.30	2.30	624.00	1,435	0.00	0	2,100.00	4,830
Rigid Steel Conduit		1	8.29	8.29	228.80	1,897	0.00	0	120.00	995
Subtotal						120,203		36,267		233,167
Total Account 315						138,044		46,312		238,006
FERC Account 316										
Miscellaneous Power Plant Equipment										
Air Compressor System	TN	2	2.15	4.30	228.80	984	0.00	0	120.00	516
Total Account 316						984		0		516
TOTAL CUTLER UNIT 6						3,403,153		566,382		1,359,288
TOTAL CUTLER COMMON & UNITS 5 & 6						5,825,939		1,268,313		2,810,224

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. 030558-EI, Order No. PSC-04-0086-PAA-EI, issued on January 27, 2004. The current accruals became effective as of January 1, 2003.

**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	2,568,606	3,213,161	777,000	5,004,767
342	Fuel Holders, Producers, and Accessories	17,016	13,328	9,240	21,104
343	Prime Movers	256,951	108,004	275,280	89,675
344	Generators	0	0	0	0
345	Accessory Electric Equipment	147,747	29,204	230,220	(53,269)
346	Miscellaneous Power Plant Equipment				
	Subtotal	2,990,319	3,363,697	1,291,740	5,062,277
<u>Other Site Costs:</u>					
	Site Management Expenses	1,034,092			1,034,092
	Other Site Contamination - Special Waste	336,666			336,666
	Intake & Discharge Backfill	109,371			109,371
	Grading & Seeding	2,567,714			2,567,714
	Subtotal	4,047,843	0	0	4,047,843
	Total	7,038,162	3,363,697	1,291,740	9,110,119
	Contingency - 16%	1,126,106	538,192		1,664,298
	Total Ft. Lauderdale Common	8,164,268	3,901,889	1,291,740	10,774,417
	Unusable M&S Inventory	2,253,735		225,374	2,028,362
	Total Ft. Lauderdale Common including Unusable M&S Inventory	10,418,003	3,901,889	1,517,114	12,802,778
<u>Ft. Lauderdale Unit 4</u>					
341	Structures and Improvements	1,320,632	1,030,176	429,840	1,920,968
342	Fuel Holders, Producers, and Accessories	194,535	49,655	71,112	173,078
343	Prime Movers	1,327,812	275,476	884,600	718,688
344	Generators	487,741	314,826	375,548	427,020
345	Accessory Electric Equipment	476,362	176,093	635,530	16,926
346	Miscellaneous Power Plant Equipment	28,046	25,186	5,760	47,472
	Subtotal	3,835,130	1,871,413	2,402,390	3,304,152
	Contingency - 16%	613,621	299,426		913,047
	Total Ft. Lauderdale Unit 4	4,448,751	2,170,839	2,402,390	4,217,199
<u>Ft. Lauderdale Unit 5</u>					
341	Structures and Improvements	261,719	271,558	38,280	494,997
342	Fuel Holders, Producers, and Accessories	128,574	26,307	46,752	108,129
343	Prime Movers	1,088,650	162,582	827,080	424,152
344	Generators	484,326	310,808	706,688	88,447
345	Accessory Electric Equipment	402,884	142,283	552,570	-7,403
346	Miscellaneous Power Plant Equipment	19,070	14,210	4,800	28,480
	Subtotal	2,385,223	927,749	2,176,170	1,136,802
	Contingency - 16%	381,636	148,440		530,076
	Total Ft. Lauderdale Unit 5	2,766,859	1,076,188	2,176,170	1,666,878
<u>Ft. Lauderdale Gas Turbines</u>					
341	Structures and Improvements	10,260	14,700	0	24,960
342	Fuel Holders, Producers, and Accessories	0	0	0	0
343	Prime Movers	431,059	0	226,080	204,979
344	Generators	5,715	0	18,864	-13,149
345	Accessory Electric Equipment	4,784	0	26,500	-21,716
346	Miscellaneous Power Plant Equipment	0	0	0	0
	Subtotal	451,818	14,700	271,444	195,074
	Contingency - 16%	72,291	2,352		74,643
	Total Ft. Lauderdale Gas Turbines	524,109	17,052	271,444	269,717
	Total Dismantlement Costs	18,157,721	7,165,988	6,367,118	18,956,572

**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	4,898,561	5,519,442	3,901,889	1,517,114	12,802,778
Ft. Lauderdale Unit 4	2,669,250	1,779,500	2,170,839	2,402,390	4,217,199
Ft. Lauderdale Unit 5	1,660,116	1,106,744	1,076,188	2,176,170	1,666,878
Ft. Lauderdale Gas Turbines	314,465	209,644	17,052	271,444	269,717
Total	9,542,392	8,615,330	7,165,968	6,367,118	18,956,572

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 – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

(Continued)

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

DEVELOPMENT OF COST FACTORS

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

REMOVAL COST FACTORS

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

Labor Rate

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

Labor	\$31.20	X	6	=	\$187.18
Foreman	\$39.71	X	1	=	\$39.71
Heavy Equipment Operator	\$38.04	X	1	=	\$38.04
Total Cost per hour of 8 man crew					<u>\$264.94</u>
Cost per man hour		\$264.94 / 8 =			<u>\$33.12</u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					22,749.18
Front End Loader					2,656.68
Cutting Equipment					<u>231.97</u>
Total per month					\$25,637.82
25,637.82	/	176	hours per month =		145.67
Cost per man hour		\$145.67 / 8 =			\$18.21
Plus: amount for small tools					1.00
Total Cost per man hour					<u>\$19.21</u>

LAUDERDALE DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$33.12
Equipment	19.21
Total	<u>\$52.33</u>
 Rounded	 <u>\$52.00</u>
 For Concrete demolition add \$5.00 per hour additional equipment charge.	 <u>\$57.00</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)	\$52.00	2.50 MH / Ton	\$130.00 / Ton
Heavy Steel (2)	\$52.00	3.30 MH / Ton	\$171.60 / Ton
General Steel	\$52.00	4.40 MH / Ton	\$228.80 / Ton
Light Steel	\$52.00	7.10 MH / Ton	\$369.20 / Ton
Concrete	\$57.00	0.48 MH / CY	\$27.36 / CY
Reinforced Concrete	\$57.00	1.20 MH / CY	\$68.40 / CY
Copper-Elect. Cable & Generator Leads &	\$52.00	12.00 MH / Ton	\$624.00 / Ton
Copper - Generator	\$52.00	9.80 MH / Ton	\$509.60 / Ton
Copper - Transformer	\$52.00	7.40 MH / Ton	\$384.80 / Ton
General Insulation	\$52.00	1.00 MH / CY	\$52.00 / CY
Inground Pipe-Metal(3)	\$52.00	6.00 MH / Ton	\$312.00 / Ton
Concrete Pipe	\$57.00	4.60 MH / Ton	\$262.20 / 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 \$37.35 per ton for both concrete and calcium silicate insulation. The dumpster charge is \$225.00 per haul (including driver) for all size dumpsters. These rates were obtained from the Central Landfill and Southern Sanitation.

LAUDERDALE 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 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					225.00
Tipping Fee	\$37.35	/TN	X	30.5 TN	= 1,139.18
subtotal					<u>1,364.18</u>
Cost per Cubic Yard	\$1,364.18	/ 15.38 cubic yards =			\$88.70
Plus 10% contractor profit					<u>8.87</u>
Total Cost per Cubic Yard					<u><u>\$97.57</u></u>
Rounded Cost per Cubic Yard					<u><u>\$98.00</u></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					\$225.00
Tipping Fees	\$37.35	/TN	X	1.82 TN	= <u>67.98</u>
Total Cost per round Trip					\$292.98
Cost per Cubic Yard	\$292.98	/ 27 cubic yards =			\$10.85
Plus 10% contractor profit					<u>1.09</u>
Total Cost per Cubic Yard					<u><u>\$11.94</u></u>
Rounded Cost per Cubic Yard					<u><u>\$12.00</u></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)	\$1,300 / 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 \$19,202 per month, both office and site, and contractor's expenses of \$23,885 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	\$43,087
Number of months	24
Total Site Management Expenses	<u>\$1,034,092</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 \$39,120; the cost for the discharge is \$31,131. Ft. Lauderdale has 2 Intakes and 1 Discharge:

<u>Quantity</u>		<u>Cost/ Struct</u>			
2	Intake Structures at :	\$39,120	equals:		\$78,240
1	Discharge Structures at:	\$31,131	equals:		<u>\$31,131</u>
Total Cost to Backfill Intake & Discharge Structures equals:					<u>\$109,371</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 \$56,186 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>\$56,186</u>
Total Grading and Seeding Expense	<u>\$2,567,714</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><u>\$336,666</u></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	68.40	13,954	98.00	19,992	0.00	0
Pavement	CY	3,500	27.36	95,760	98.00	343,000	0.00	0
Concrete Drain Pipe & Supports	CY	53	27.36	1,444	98.00	5,171	0.00	0
Water Treatment Equipment	TN	29	228.80	6,635	0.00	0	120.00	3,480
Piping	TN	8	228.80	1,830	0.00	0	120.00	960
Pumping Equipment	TN	122	228.80	27,914	0.00	0	120.00	14,640
Concrete Mats	CY	1,784	27.36	48,810	98.00	174,832	0.00	0
Concrete Basement Floors	CY	2,861	27.36	78,277	98.00	280,378	0.00	0
Structural Steel	TN	365	228.80	83,512	0.00	0	120.00	43,800
Platforms, Hndrls & Gratings	TN	60	228.80	13,728	0.00	0	120.00	7,200
Concrete Floors and Roof	CY	221	27.36	6,047	98.00	21,658	0.00	0
Cranes and Hoists	TN	151	228.80	34,549	0.00	0	120.00	18,120
Elevator	TN	9	228.80	2,059	0.00	0	120.00	1,080
Plumbing and Building Drainage	TN	15	228.80	3,432	0.00	0	120.00	1,800
Oil Storage Tank	TN	460	n/a	96,120	0.00	0	120.00	55,200
Oil Storage Tank Cleaning	n/a	n/a	n/a	0	n/a	321,258	n/a	0
Soil Remediation	n/a	n/a	n/a	0	n/a	68,644	n/a	0
Concrete Foundations	CY	184	68.40	12,586	98.00	18,032	0.00	0
Fire Walls	CY	11,991	27.36	328,074	98.00	1,175,118	0.00	0
Piping & Supports	TN	129	228.80	29,515	0.00	0	120.00	15,480
Pumps	TN	3	228.80	686	0.00	0	120.00	360
Heaters	TN	22	228.80	5,034	0.00	0	120.00	2,640
Administration Building	TN	4,358	228.80	997,110	0.00	0	120.00	522,960
Misc Eq Foundations	CY	1,817	68.40	124,283	98.00	178,066	0.00	0
Thrust Blocks	CY	9	27.36	246	98.00	882	0.00	0
Pipe 4" or > Fire Protection	TN	3	171.60	515	0.00	0	120.00	360
Valve, manual	TN	2	171.60	343	0.00	0	120.00	240
Large Pipe Supports	TN	1	171.60	172	0.00	0	120.00	120
2.5" & > - 6" - 8" Carbon Steel Pipe	TN	5	228.80	1,144	0.00	0	120.00	600
2.5" & > - 10" - 14" Carbon Steel Pipe	TN	25	228.80	5,720	0.00	0	120.00	3,000
Reinforced Concrete	CY	682	68.40	46,649	98.00	66,836	0.00	0
Reinforced Concrete - Other	CY	71	68.40	4,856	98.00	6,958	0.00	0
Miscellaneous Foundations - Concrete	CY	23	27.36	629	98.00	2,254	0.00	0
Fiberglass Above Ground Piping	CY	35	27.36	958	98.00	3,430	0.00	0
10" - 14" Fiberglass Piping - Above Ground	CY	3	27.36	82	98.00	294	0.00	0
Special Piping - Fiberglass -Above Ground	CY	11	27.36	301	98.00	1,078	0.00	0
WT & WWT - Makeup Demin & Aux	TN	1	228.80	229	0.00	0	120.00	120
WT & WWT - DeGas Equipment	TN	2	228.80	458	0.00	0	120.00	240
WT & WWT - Reverse Osmosis Equipment	TN	12	228.80	2,746	0.00	0	120.00	1,440
WT & WWT - Reverse Osmosis Equipment	TN	1	228.80	229	0.00	0	120.00	120
WT & WWT - Makeup Demin & Aux	TN	2	228.80	458	0.00	0	120.00	240
Reinforced Concrete - Pits, Sumps & Ramps	CY	52	68.40	3,557	98.00	5,096	0.00	0
Reinforced Concrete - Slab on Grade	CY	2,379	68.40	162,724	98.00	233,142	0.00	0
Reinforced Concrete - Walls	CY	138	68.40	9,439	98.00	13,524	0.00	0
Misc. Steel - Grating	TN	8	369.20	2,954	0.00	0	120.00	960
Handrail, Checkplate	TN	6	369.20	2,215	0.00	0	120.00	720
WT & WWT - Makeup Demin & Aux	TN	2	228.80	458	0.00	0	120.00	240
Reinforced Concrete - Pits, Sumps& Ramps	CY	384	68.40	26,266	98.00	37,632	0.00	0
Reinforced Concrete - Slab on Grade	CY	167	68.40	11,423	98.00	16,366	0.00	0
Reinforced Concrete - Foundations	CY	375	68.40	25,650	98.00	36,750	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	17	68.40	1,163	98.00	1,666	0.00	0
Handrail, Checkplate	TN	20	228.80	4,576	0.00	0	120.00	2,400
Large Pipe Supports	TN	9	171.60	1,544	0.00	0	120.00	1,080

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Common Facilities								
Account 341: Structures & Improvements								
WT & WWT - Interconnecting SB Pipe	TN	3	228.80	686	0.00	0	120.00	360
Special Piping - Fiberglass -Above Ground	CY	80	27.36	2,189	98.00	7,840	0.00	0
Hangers & Supports - Large Bore	TN	8	228.80	1,830	0.00	0	120.00	960
Large Pipe Supports	TN	15	228.80	3,432	0.00	0	120.00	1,800
WT & WWT - Interconnecting LB Pipe S	TN	79	228.80	18,075	0.00	0	120.00	9,480
Special Piping - Fiberglass -Above Ground	CY	10	27.36	274	98.00	980	0.00	0
Special Piping - Fiberglass -Above Ground	CY	8	27.36	219	98.00	784	0.00	0
Special Piping - Fiberglass -Above Ground	CY	22	27.36	602	98.00	2,156	0.00	0
Special Piping - Fiberglass -Above Ground	CY	11	27.36	301	98.00	1,078	0.00	0
Special Piping - Fiberglass -Above Ground	CY	338	27.36	9,248	98.00	33,124	0.00	0
WT & WWT - Oily Water Separator Syst	TN	4	228.80	915	0.00	0	120.00	480
WT & WWT - WWT System	TN	7	228.80	1,602	0.00	0	120.00	840
WT & WWT - Oily Water Separator Syst	TN	1	228.80	229	0.00	0	120.00	120
WT & WWT - WWT System	TN	6	228.80	1,373	0.00	0	120.00	720
WWT TANKS	TN	44	228.80	10,067	0.00	0	120.00	5,280
WT & WWT - Oily Water Separator Syst	TN	3	228.80	686	0.00	0	120.00	360
Large Pipe Supports	TN	6	171.60	1,030	0.00	0	120.00	720
2" & Under Carbon Steel Above Ground	TN	6	228.80	1,373	0.00	0	120.00	720
Small Piping - Carbon Steel	TN	6	228.80	1,373	0.00	0	120.00	720
ELT 2.5" & > - 2.5" - 4" Carbon Steel Pipe	TN	19	228.80	4,347	0.00	0	120.00	2,280
Large Pipe Supports	TN	3	228.80	686	0.00	0	120.00	360
6" - 8" Carbon Steel Pipe Above Ground	TN	5	228.80	1,144	0.00	0	120.00	600
2.5" & > - 6"-8" Carbon Steel Pipe	TN	52	228.80	11,898	0.00	0	120.00	6,240
10" - 14" Carbon Steel Pipe Above Ground	TN	28	171.60	4,805	0.00	0	120.00	3,360
2.5" & > - 10"-14" Carbon Steel Pipe	TN	16	171.60	2,746	0.00	0	120.00	1,920
Pump/Tank/Heat - Service Water Pumps	TN	3	171.60	515	0.00	0	120.00	360
Reinforced Concrete - Utility Rack Foundations	CY	343	68.40	23,461	98.00	33,614	0.00	0
Reinforced Concrete - Utility Rack Foundations	CY	308	68.40	21,067	98.00	30,184	0.00	0
Reinforced Concrete - Foundations	CY	189	68.40	12,928	98.00	18,522	0.00	0
Reinforced Concrete - Walls	CY	186	68.40	12,722	98.00	18,228	0.00	0
Reinforced Concrete - Other	CY	107	68.40	7,319	98.00	10,486	0.00	0
Reinforced Concrete - Other	CY	6	68.40	410	98.00	588	0.00	0
Utility Rack- Structural Steel	TN	87	171.60	14,929	0.00	0	120.00	10,440
Utility Rack- Structural Steel	TN	28	171.60	4,805	0.00	0	120.00	3,360
Reinforced Concrete - Slab on Grade	CY	80	68.40	5,472	98.00	7,840	0.00	0
Reinforced Concrete - Other	CY	16	68.40	1,094	98.00	1,568	0.00	0
Architectural Features - Block Work	CY	17	27.36	465	98.00	1,666	0.00	0
Architectural Features - Stucco	CY	2	27.36	55	98.00	196	0.00	0
Precast Concrete - Roof Panels	CY	9	27.36	246	98.00	882	0.00	0
Reinforced Concrete - Other	CY	15	68.40	1,026	98.00	1,470	0.00	0
Structural Steel - RO Training Building	TN	25	171.60	4,290	0.00	0	120.00	3,000
Architectural Features - Roof Decking	CY	27	27.36	739	98.00	2,646	0.00	0
Architectural Features - Block Work	CY	27	27.36	739	98.00	2,646	0.00	0
Architectural Features - Stucco	CY	3	27.36	82	98.00	294	0.00	0
Precast Concrete - Roof Panels	CY	16	27.36	438	98.00	1,568	0.00	0
WT & WWT - Chemical Feed Equipment	TN	3	228.80	686	0.00	0	120.00	360
Water Treatment SBP	TN	4	228.80	915	0.00	0	120.00	480
WT & WWT - Interconnecting SB Pipe	TN	3	228.80	686	0.00	0	120.00	360
Water Treatment LBP	TN	3	228.80	686	0.00	0	120.00	360
WT & WWT - Interconnecting LB Pipe S	TN	178	228.80	40,726	0.00	0	120.00	21,360
Reinforced Concrete - Slab on Grade	CY	28	68.40	1,915	98.00	2,744	0.00	0
Account 341 Totals				2,568,606		3,213,161		777,000

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Common Facilities								
Account 341: Structures & Improvements								
Account 342: Fuel Holders, Producers, and Accessories								
Trenwa	CY	134	27.36	3,666	98.00	13,132	0.00	0
2.5" & > - 10"-14" CS Pipe	TN	13	171.60	2,231	0.00	0	120.00	1,560
2.5" & > - 20"-30" CS Pipe	TN	9	171.60	1,544	0.00	0	120.00	1,080
Pipe < 4"- Light Oil	TN	9	171.60	1,544	0.00	0	120.00	1,080
Pipe 4" Or >- Light Oil	TN	10	171.60	1,716	0.00	0	120.00	1,200
Valve, Manual Light Oil 4">	TN	1	171.60	172	0.00	0	120.00	120
Pipe Support 4" Or Larger	TN	2	171.60	343	0.00	0	120.00	240
Reinforced Concrete -Jet Fuel Line 8"	CY	2	68.40	137	98.00	196	0.00	0
Pipe 4" Or >-Jet Fuel 8"	TN	31	171.60	5,320	0.00	0	120.00	3,720
Valve, Manual - Jet Fuel 8"	TN	2	171.60	343	0.00	0	120.00	240
Account 342 Totals				17,016		13,328		9,240
Account 343: Prime Movers								
Firewalls	CY	245	27.36	6,703	98.00	24,010	0.00	0
Cooling Water Heat Exchangers	TN	11	228.80	2,517	0.00	0	120.00	1,320
L.P. Heater Drain Pump	TN	5	228.80	1,144	0.00	0	120.00	600
Well Cooling Water Pump	TN	3	228.80	686	0.00	0	120.00	360
Boiler Fill and Wash Pump	TN	1	228.80	229	0.00	0	120.00	120
Boiler Feed Pumps	TN	68	228.80	15,558	0.00	0	120.00	8,160
Concrete	CY	130	27.36	3,557	98.00	12,740	0.00	0
Condensate Storage Tank & Equip	TN	38	228.80	8,694	0.00	0	120.00	4,560
Condensate Storage Tank Fnd	CY	12	27.36	328	98.00	1,176	0.00	0
Piping	TN	402	228.80	91,978	0.00	0	120.00	48,240
Insulation	CY	458	52.00	23,816	12.00	5,496	0.00	0
Misc Steel & Equipment	TN	236	228.80	53,997	0.00	0	120.00	28,320
Pipe < 4"/Condens.Wash	TN	3	171.60	515	0.00	0	120.00	360
Instrumentation - Instrument Tubing	TN	1	369.20	369	0.00	0	120.00	120
Concrete - Other	CY	659	27.36	18,030	98.00	64,582	0.00	0
Large Pipe Supports	TN	7	171.60	1,201	0.00	0	120.00	840
2" & < Pipe SS Above Ground	TN	2	228.80	458	0.00	0	2,000.00	4,000
2.5" - 4" SS Pipe Above Ground	TN	4	228.80	915	0.00	0	2,000.00	8,000
2.5" & > - 2.5"- 4" SS Pipe	TN	9	228.80	2,059	0.00	0	2,000.00	18,000
Hangers & Supports - LB	TN	4	171.60	686	0.00	0	120.00	480
Large Pipe Supports	TN	15	171.60	2,574	0.00	0	120.00	1,800
6" - 8" SS Pipe Above Ground	TN	4	171.60	686	0.00	0	2,000.00	8,000
2.5" & > - 6"-8" SS Pipe	TN	68	171.60	11,669	0.00	0	2,000.00	136,000
WT & WWT - Chemical Feed Equipment	TN	6	171.60	1,030	0.00	0	120.00	720
Water Treatment Tanks	TN	33	171.60	5,663	0.00	0	120.00	3,960
WT & WWT - Chemical Feed Equipment	TN	5	171.60	858	0.00	0	120.00	600
Pump/Tank/Heat - Field Fabricated Tanks	TN	1	171.60	172	0.00	0	120.00	120
Pump/Tank/Heat - Condensate Pumps	TN	5	171.60	858	0.00	0	120.00	600
Account 343 Totals				256,951		108,004		275,280
Account 345: Accessory Electric Equipment								
Concrete - Ductbank	CY	43	27.36	1,176	98.00	4,214	0.00	0
Steel/Ductbank	TN	3	171.60	515	0.00	0	120.00	360
Conduit 2" OR >/Firemain	TN	1	369.20	369	0.00	0	120.00	120
Cable Tray	TN	11	369.20	4,061	0.00	0	120.00	1,320
Duct Bank	TN	3	369.20	1,108	0.00	0	120.00	360
MCC Switchgear Section	TN	50	228.80	11,440	0.00	0	120.00	6,000

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Common Facilities								
Account 341: Structures & Improvements								
Wire < 4/0 (PWR)/Firemain	TN	1	624.00	624	0.00	0	120.00	120
Concrete	CY	12	27.36	328	98.00	1,176	0.00	0
Wire < 4/0 (PWR)	TN	3	624.00	1,872	0.00	0	2,100.00	6,300
Conduit 2" Or > - Cond.&Raceway	TN	21	369.20	7,753	0.00	0	120.00	2,520
Sched Conduit - RGS Cond W/Supports 2.5" >	TN	14	369.20	5,169	0.00	0	120.00	1,680
Sched Conduit - RGS Cond W/Supports 2.5" >	TN	25	369.20	9,230	0.00	0	120.00	3,000
Hangers & Supports - 2" Or >	TN	1	171.60	172	0.00	0	120.00	120
Conduit < 2"-Conduit & Raceway	TN	8	369.20	2,954	0.00	0	120.00	960
Sched Conduit - RGS Cond W/Supports < 2"	TN	18	369.20	6,646	0.00	0	120.00	2,160
Sched Conduit - RGS Cond W/Supports < 2"	TN	16	369.20	5,907	0.00	0	120.00	1,920
Sched Conduit - Pull Boxes	TN	1	369.20	369	0.00	0	120.00	120
Light & Comm Co - Other	TN	1	369.20	369	0.00	0	120.00	120
Cable Tray/Fittings W/Supports	TN	18	369.20	6,646	0.00	0	120.00	2,160
Concrete-Duct Bank	CY	175	27.36	4,788	98.00	17,150	0.00	0
Reinforced Concrete - Ductbank	CY	57	68.40	3,899	98.00	5,586	0.00	0
Pre-Cast Manhole	CY	11	27.36	301	98.00	1,078	0.00	0
Sched Wire & Cable - 4KV & > 1/C All Sizes	TN	20	624.00	12,480	0.00	0	2,100.00	42,000
Sched Wire & Cable - 4KV & > 1/C All Sizes	TN	11	624.00	6,864	0.00	0	2,100.00	23,100
Sched Wire & Cable - Instrum. Cable - All Sizes	TN	3	624.00	1,872	0.00	0	2,100.00	6,300
Load Center, Bus - Switchgear	TN	5	228.80	1,144	0.00	0	120.00	600
Load Center, Bus - Switchgear	TN	3	228.80	686	0.00	0	120.00	360
MCC & Low Volt - MCC Switchgear Section	TN	4	228.80	915	0.00	0	120.00	480
MCC & Low Volt - MCC Switchgear Section	TN	2	228.80	458	0.00	0	120.00	240
Sched. Wire & Cable - 600/Volt 1/C #6 & > PC	TN	15	624.00	9,360	0.00	0	2,100.00	31,500
Sched. Wire & Cable - 600/Volt 1/C #6 & > PC	TN	3	624.00	1,872	0.00	0	2,100.00	6,300
Sched. Wire & Cable - 600/Volt M/C #8 & > PC	TN	1	624.00	624	0.00	0	2,100.00	2,100
Sched. Wire & Cable - 600/Volt M/C #8 & > PC	TN	25	624.00	15,600	0.00	0	2,100.00	52,500
Sched Wire & Cable - 600/Volt M/C #6 & < CC	TN	8	624.00	4,992	0.00	0	2,100.00	16,800
Wire 4/0OR>(PWR)-600V(PWR)	TN	2	624.00	1,248	0.00	0	2,100.00	4,200
MCC Switchgear Section	TN	50	228.80	11,440	0.00	0	120.00	6,000
Wire < 4/0 (PWR)-600V PWR	TN	4	624.00	2,496	0.00	0	2,100.00	8,400
Account 345 Totals				147,747		29,204		230,220
Total Common Facilities				2,990,319		3,363,697		1,291,740
Unit 4								
Account 341: Structures & Improvements								
Intake Structure - Concrete	CY	1238	68.40	84,679	98.00	121,324	0.00	0
Grills, Screens & Hoists	TN	22	369.20	8,122	0.00	0	120.00	2,640
Intake Conduit	CY	628	68.40	42,955	98.00	61,544	0.00	0
4" CI Pipe - Site	TN	35	171.60	6,006	0.00	0	120.00	4,200
6"-8" CI Pipe - Site	TN	20	171.60	3,432	0.00	0	120.00	2,400
10"-14" RC Pipe	TN	3	68.40	205	98.00	294	0.00	0
20"-24" RC Pipe - Site	TN	9	68.40	616	98.00	882	0.00	0
2.5"-3" Fiberglass Pipe	CY	3	27.36	82	98.00	294	0.00	0
4" Fiberglass Pipe	CY	7	27.36	192	98.00	686	0.00	0
6"-8" Fiberglass Pipe	CY	16	27.36	438	98.00	1,568	0.00	0
10"-14" Fiberglass Pipe	CY	11	27.36	301	98.00	1,078	0.00	0
Reinforced Concrete - Holding Tanks	CY	177	68.40	12,107	98.00	17,346	0.00	0
Culvert/Basin - Reinforced Concrete	CY	109	68.40	7,456	98.00	10,682	0.00	0
Misc. Steel - Grating	TN	6	369.20	2,215	0.00	0	120.00	720
Precast Concrete - Manholes	CY	17	27.36	465	98.00	1,666	0.00	0

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Common Facilities								
Account 341: Structures & Improvements								
2.5"-3" CI Pipe	TN	2	171.60	343	0.00	0	120.00	240
Light Pole Foundation - Reinforced Concrete	CY	125	68.40	8,550	98.00	12,250	0.00	0
Fire Water Tank (A)	TN	115	228.80	26,312	0.00	0	120.00	13,800
Vehicle Protection Posts	CY	7	27.36	192	98.00	686	0.00	0
Thrusts Blocks - Reinforced Concrete	CY	309	68.40	21,136	98.00	30,282	0.00	0
6"-8" DI Pipe Fire	TN	1	171.60	172	0.00	0	120.00	120
10"-14" DI Pipe, Fire	TN	1	171.60	172	0.00	0	120.00	120
6"-8" HD Poly Fire Line	TN	39	171.60	6,692	0.00	0	120.00	4,680
10"-14" HD Poly Fire Line	TN	97	171.60	16,645	0.00	0	120.00	11,640
Valve,6",8",12"Fire	TN	246	171.60	42,214	0.00	0	120.00	29,520
10" - 14" Carbon Steel Pipe Above Ground	TN	8	228.80	1,830	0.00	0	120.00	960
Hydrant - 6"- EA.Fire Protectio.	TN	6	228.80	1,373	0.00	0	120.00	720
PB Slab On Grade - Reinforced Concrete	CY	1,231	68.40	84,200	98.00	120,638	0.00	0
PB Misc SOG Pads - Reinforced Conc	CY	10	68.40	684	98.00	980	0.00	0
4" CI Pipe	TN	8	171.60	1,373	0.00	0	120.00	960
6"-8" CI Pipe	TN	4	171.60	686	0.00	0	120.00	480
4" Fiberglass Pipe Underground	CY	7	27.36	192	98.00	686	0.00	0
6"-8" PVC Pipe	CY	24	27.36	657	98.00	2,352	0.00	0
Rip Rap,Fabric,Sandbags	CY	385	27.36	10,534	98.00	37,730	0.00	0
Reinforced Concrete - Slab on Grade	CY	756	68.40	51,710	98.00	74,088	0.00	0
Reinforced Concrete - Other	CY	172	68.40	11,765	98.00	16,856	0.00	0
Reinforced Concrete - Elevated Slabs	CY	604	68.40	41,314	98.00	59,192	0.00	0
Reinforced Concrete - Walls	CY	73	68.40	4,993	98.00	7,154	0.00	0
CTB - Structural Steel	TN	1,342	171.60	230,287	0.00	0	120.00	161,040
CTB - Miscellaneous Steel	TN	76	369.20	28,059	0.00	0	120.00	9,120
Structural Steel - Bldg Girts/Wall Framing	TN	174	171.60	29,858	0.00	0	120.00	20,880
Architectural Features - Block Work	CY	102	27.36	2,791	98.00	9,996	0.00	0
CTB - Roll Up Doors	TN	1	228.80	229	0.00	0	120.00	120
Metal Decking - Elevated Slabs	TN	27	228.80	6,178	0.00	0	120.00	3,240
Architectural Features - Roof Decking	CY	461	27.36	12,613	98.00	45,178	0.00	0
Floor Drainage Trench	CY	13	27.36	356	98.00	1,274	0.00	0
Reinforced Concrete - Foundations	CY	54	68.40	3,694	98.00	5,292	0.00	0
Misc. Steel - Duct Supports	TN	74	171.60	12,698	0.00	0	120.00	8,880
Misc. Cranes & Hoists	TN	40	171.60	6,864	0.00	0	120.00	4,800
Reinforced Concrete - Pile Caps & Tie Beams	CY	879	68.40	60,124	98.00	86,142	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	68	68.40	4,651	98.00	6,664	0.00	0
Intake Structure Hoist	TN	5	171.60	858	0.00	0	120.00	600
Reinforced Concrete - Other	CY	2	68.40	137	98.00	196	0.00	0
Handrail/Check Plate	TN	2	369.20	738	0.00	0	120.00	240
20" - 30" Fiberglass Pipe Above Ground	CY	176	27.36	4,815	98.00	17,248	0.00	0
Intake/Open Cooling Pump	TN	24	171.60	4,118	0.00	0	120.00	2,880
10" - 14" Fiberglass Pipe Above Ground	CY	2	27.36	55	98.00	196	0.00	0
WT Pits Pumps	TN	6	228.80	1,373	0.00	0	120.00	720
Reinforced Concrete - Pits, Sumps& Ramps	CY	78	68.40	5,335	98.00	7,644	0.00	0
Reinforced Concrete - Pits, Sumps & Ramps	CY	114	68.40	7,798	98.00	11,172	0.00	0
36" Fiberglass Pipe	CY	15	27.36	410	98.00	1,470	0.00	0
OW Pit Pumps	TN	4	228.80	915	0.00	0	120.00	480
2"< PVC Pipe	CY	3	27.36	82	98.00	294	0.00	0
2.5"-3" PVC Pipe	CY	2	27.36	55	98.00	196	0.00	0
4" PVC Pipe Potable Water	CY	2	27.36	55	98.00	196	0.00	0
6"-8" Potable Water - PVC	CY	33	27.36	903	98.00	3,234	0.00	0
Valve, Manual, Potable	TN	2	228.80	458	0.00	0	120.00	240
Service Water Tank	TN	115	228.80	26,312	0.00	0	120.00	13,800

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Common Facilities								
Account 341: Structures & Improvements								
Reinforced Concrete - Utility Rack Foundations	CY	657	68.40	44,939	98.00	64,386	0.00	0
Reinforced Concrete - Other	CY	21	68.40	1,436	98.00	2,058	0.00	0
Reinforced Concrete - Other	CY	16	68.40	1,094	98.00	1,568	0.00	0
Precast Concrete - Other	CY	3	27.36	82	98.00	294	0.00	0
Precast Concrete - Other	CY	3	27.36	82	98.00	294	0.00	0
Utility Rack- Structural Steel	TN	463	171.60	79,451	0.00	0	120.00	55,560
Utility Rack Miscellaneous Steel	TN	26	369.20	9,599	0.00	0	120.00	3,120
Utility Rack - Grating	TN	29	369.20	10,707	0.00	0	120.00	3,480
Reinforced Concrete - Other	CY	6	68.40	410	98.00	588	0.00	0
EP Misc & Structural Steel	TN	26	171.60	4,462	0.00	0	120.00	3,120
Misc. Steel - Boiler Cavity	TN	31	369.20	11,445	0.00	0	120.00	3,720
Architectural Features - Block Work	CY	9	27.36	246	98.00	882	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	12	68.40	821	98.00	1,176	0.00	0
Reinforced Concrete - Elevated Slabs	CY	315	68.40	21,546	98.00	30,870	0.00	0
Reinforced Concrete - Slab On Grade	CY	493	68.40	33,721	98.00	48,314	0.00	0
Reinforced Concrete - Walls	CY	90	68.40	6,156	98.00	8,820	0.00	0
Structural Steel - Control Building	TN	433	171.60	74,303	0.00	0	120.00	51,960
CB - Miscellaneous Steel	TN	25	369.20	9,230	0.00	0	120.00	3,000
Structural Steel - Bldg Girders/Wall Framing	TN	30	369.20	11,076	0.00	0	120.00	3,600
Architectural Features - Block Work	CY	387	27.36	10,588	98.00	37,926	0.00	0
CB - Interior Finishes	CY	120	27.36	3,283	98.00	11,760	0.00	0
Metal Decking - Elevated Slabs	TN	17	228.80	3,890	0.00	0	120.00	2,040
Architectural Features -Roof Decking	CY	119	27.36	3,256	98.00	11,662	0.00	0
Reinforced Concrete - Pile Caps & Tie Beams	CY	336	68.40	22,982	98.00	32,928	0.00	0
Account 341 Totals				1,320,632		1,030,176		429,840
Account 342: Fuel Holders, Producers, and Accessories								
Firewalls	CY	122.5	27.36	3,352	98.00	12,005	0.00	0
Cooling Water Heat Exchangers	TN	5.3	228.80	1,213	0.00	0	120.00	636
L.P. Heater Drain Pump	TN	2.3	228.80	526	0.00	0	120.00	276
Well Cooling Water Pump	TN	1.45	228.80	332	0.00	0	120.00	174
Boiler Fill and Wash Pump	TN	1	228.80	229	0.00	0	120.00	120
Boiler Feed Pumps	TN	33.75	228.80	7,722	0.00	0	120.00	4,050
Concrete	CY	65	68.40	4,446	98.00	6,370	0.00	0
Condensate Storage Tank & Equipment	TN	19	228.80	4,347	0.00	0	120.00	2,280
Condensate Storage Tank foundation	CY	5.9	68.40	404	98.00	578	0.00	0
Piping	TN	200.8	228.80	45,943	0.00	0	120.00	24,096
Pipe Insulation	CY	229	52.00	11,908	12.00	2,748	0.00	0
Miscellaneous Steel & Equipment	TN	118	369.20	43,566	0.00	0	120.00	14,160
Trenwa	TN	106	228.80	24,253	0.00	0	120.00	12,720
20" - 24" CS Pipe	TN	43	228.80	9,838	0.00	0	120.00	5,160
20"-24" CS Pipe, Gas	TN	17	228.80	3,890	0.00	0	120.00	2,040
10" - 14" CS Pipe Above Ground	TN	9	228.80	2,059	0.00	0	120.00	1,080
Reinforced Concrete - Pits, Sumps & Ramps	CY	74	68.40	5,062	98.00	7,252	0.00	0
F.O. System - Reinforced Concrete	CY	28	68.40	1,915	98.00	2,744	0.00	0
Fuel Oil Line Encasement	CY	100	52.00	5,200	12.00	1,200	0.00	0
10" - 14" CS Pipe Above Ground	TN	12	171.60	2,059	0.00	0	120.00	1,440
4" CS Pipe, Gas	TN	3	171.60	515	0.00	0	120.00	360
6"-8" CS Pipe, Gas	TN	13	171.60	2,231	0.00	0	120.00	1,560
Reinforced Concrete - Foundations	CY	132	68.40	9,029	98.00	12,936	0.00	0
Fuel Treatment/Additive Tank	TN	8	228.80	1,830	0.00	0	120.00	960
Reinforced Concrete - Foundations	CY	39	68.40	2,668	98.00	3,822	0.00	0
Account 342 Totals				194,535		49,655		71,112

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Common Facilities								
Account 341: Structures & Improvements								
Account 343: Prime Movers								
Reinforced Concrete - Pile Caps & Tie Beams	CY	845	68.40	57,798	98.00	82,810	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	181	68.40	12,380	98.00	17,738	0.00	0
Reinforced Concrete - Pits, Sumps & Ramps	CY	105	68.40	7,182	98.00	10,290	0.00	0
HRSG 4A - Base Plates	TN	20	228.80	4,576	0.00	0	120.00	2,400
HRSG 4B - Base Plates	TN	25	228.80	5,720	0.00	0	120.00	3,000
HRSG 4A - Top Casing & Roof Steel	TN	8	228.80	1,830	0.00	0	120.00	960
HRSG 4B - Top Casing & Roof Steel	TN	8	228.80	1,830	0.00	0	120.00	960
HRSG 4 Diffusers	TN	7	228.80	1,602	0.00	0	120.00	840
HRSG 4A - Inlet BD & SCR DT	TN	121	369.20	44,673	0.00	0	120.00	14,520
HRSG 4A - Inlet BD & SCR DT	TN	121	369.20	44,673	0.00	0	120.00	14,520
HRSG 4A - Miscellaneous Platforms & Stairs	TN	3	369.20	1,108	0.00	0	120.00	360
HRSG 4B - Miscellaneous Platforms & Stairs	TN	3	369.20	1,108	0.00	0	120.00	360
HRSG 4 Small Bore Pipe	TN	25	210.00	5,250	0.00	0	120.00	3,000
HRSG 4A - SM Pipe, Supports, Valves	TN	8	228.80	1,830	0.00	0	120.00	960
HRSG 4B - SM Pipe, Supports, Valves	TN	8	228.80	1,830	0.00	0	120.00	960
HRSG 4A - Silencers & Supports	TN	8	171.60	1,373	0.00	0	120.00	960
HRSG 4B - Silencers & Supports	TN	8	171.60	1,373	0.00	0	120.00	960
HRSG 4 Large Bore Pipe	TN	50	171.60	8,580	0.00	0	120.00	6,000
HRSG 4A - Large, Supports, Valves	TN	13	171.60	2,231	0.00	0	120.00	1,560
Interconnecting Large Pipe, Supports, Valves 4A	TN	8	171.60	1,373	0.00	0	120.00	960
Interconnecting Large Pipe, Supports, Valves 4A	TN	8	171.60	1,373	0.00	0	120.00	960
HRSG 4B - Large Pipe, Supports, Valves	TN	8	171.60	1,373	0.00	0	120.00	960
HRSG 4B - Large Pipe, Supports, Valves	TN	50	171.60	8,580	0.00	0	120.00	6,000
HRSG 4A - Modules	TN	1,632	130.00	212,160	0.00	0	120.00	195,840
HRSG 4B - Modules	TN	1,632	130.00	212,160	0.00	0	120.00	195,840
HRSG 4A - Instrumentation	TN	8	171.60	1,373	0.00	0	120.00	960
HRSG 4B - Instrumentation	TN	8	171.60	1,373	0.00	0	120.00	960
HRSG 4A - HP Drum, Tubes, Downcomers	TN	127	171.60	21,793	0.00	0	120.00	15,240
HRSG 4B - HP Drum, Tubes, Downcomers	TN	127	171.60	21,793	0.00	0	120.00	15,240
HRSG 4A - IP Drum, Tubes, Downcomers	TN	16	171.60	2,746	0.00	0	120.00	1,920
HRSG 4B - IP Drum, Tubes, Downcomers	TN	16	171.60	2,746	0.00	0	120.00	1,920
HRSG 4A - LP Drum, Tubes, Downcomers	TN	7	171.60	1,201	0.00	0	120.00	840
HRSG 4B - LP Drum, Tubes, Downcomers	TN	7	171.60	1,201	0.00	0	120.00	840
Hangers & Supports <= 4"	TN	3	228.80	686	0.00	0	120.00	360
2.5" - 4" CS Pipe Above Ground	TN	18	171.60	3,089	0.00	0	120.00	2,160
Hangers & Supports - LB	TN	42	171.60	7,207	0.00	0	120.00	5,040
6" - 8" CS Pipe Above Ground	TN	73	171.60	12,527	0.00	0	120.00	8,760
10" - 14" CS Pipe Above Ground	TN	127	171.60	21,793	0.00	0	120.00	15,240
6" - 8" CM Pipe Above Ground	TN	6	171.60	1,030	0.00	0	120.00	720
HRSG Feed Pumps	TN	6	228.80	1,373	0.00	0	120.00	720
Reinforced Concrete - Foundations	CY	22	68.40	1,505	98.00	2,156	0.00	0
Instrument Tubing & Sensing	TN	4	369.20	1,477	0.00	0	120.00	480
CT 4A	TN	506	130.00	65,780	0.00	0	120.00	60,720
CT 4B	TN	506	130.00	65,780	0.00	0	120.00	60,720
Diffuser Enclosure - HRSG 4A	TN	4	369.20	1,477	0.00	0	120.00	480
Diffuser Enclosure - HRSG 4B	TN	4	369.20	1,477	0.00	0	120.00	480
CT 4A - Interconnect Pipe	TN	8	228.80	1,830	0.00	0	120.00	960
CT 4B - Interconnect Pipe	TN	8	228.80	1,830	0.00	0	120.00	960
20" - 30" CS Pipe Above Ground	TN	1	171.60	172	0.00	0	120.00	120
Instrument Main Steam Piping	TN	3	171.60	515	0.00	0	120.00	360
2" & Under CM Pipe Above Ground	TN	14	171.60	2,402	0.00	0	120.00	1,680

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Common Facilities								
Account 341: Structures & Improvements								
2.5" - 4" CM Pipe Above Ground	TN	2	171.60	343	0.00	0	120.00	240
10" - 14" CS Pipe Above Ground	TN	18	171.60	3,089	0.00	0	120.00	2,160
10" - 14" CM Pipe Above Ground	TN	30	171.60	5,148	0.00	0	120.00	3,600
16" - 18" CM Pipe Above Ground	TN	151	171.60	25,912	0.00	0	120.00	18,120
HRGS Blowdown Tank	TN	7	171.60	1,201	0.00	0	120.00	840
Reinforced Concrete - Pits, Sumps & Ramps	CY	131	68.40	8,960	98.00	12,838	0.00	0
20" - 30" CS Pipe Above Ground	TN	76	171.60	13,042	0.00	0	120.00	9,120
20" - 30" CM Pipe Above Ground	TN	169	171.60	29,000	0.00	0	120.00	20,280
U4 Steam Turbine Equipment	TN	20	171.60	3,432	0.00	0	120.00	2,400
U4 Steam Turbine Piping	TN	13	171.60	2,231	0.00	0	120.00	1,560
Reinforced Concrete - Foundations	CY	30	68.40	2,052	98.00	2,940	0.00	0
Condensate Tanks	TN	53	228.80	12,126	0.00	0	120.00	6,360
Insulation	CY	400	52.00	20,800	12.00	4,800	0.00	0
Reinforced Concrete - Foundations	CY	15	68.40	1,026	98.00	1,470	0.00	0
Architectural Features - Roof Decking	CY	7	68.40	479	98.00	686	0.00	0
Condenser Vacuum Pump	TN	4	228.80	915	0.00	0	120.00	480
Reinforced Concrete - Foundations	CY	40	68.40	2,736	98.00	3,920	0.00	0
Concrete - Stack Foundations	CY	345	68.40	23,598	98.00	33,810	0.00	0
Lube Oil Pit - Reinforced Concrete	CY	100	68.40	6,840	98.00	9,800	0.00	0
CT Lube Oil Pit - Grating	TN	1	369.20	369	0.00	0	120.00	120
L.O. Storage & Transfer - Grating	TN	3	369.20	1,108	0.00	0	120.00	360
2" & Under Stainless Steel Pipe Above Ground	TN	10	369.20	3,692	0.00	0	2,000.00	20,000
2.5" - 4" SS Pipe Above Ground	TN	3	369.20	1,108	0.00	0	2,000.00	6,000
CT 4A - Mechanical/Electrical Pkgs	TN	55	228.80	12,584	0.00	0	120.00	6,600
CT 4B - Mechanical/Electrical Pkgs	TN	55	228.80	12,584	0.00	0	120.00	6,600
6" - 8" SS Pipe Above Ground	TN	15	369.20	5,538	0.00	0	2,000.00	30,000
10" - 14" SS Pipe Above Ground	TN	3	369.20	1,108	0.00	0	2,000.00	6,000
CTB Bridge Crane	TN	88	171.60	15,101	0.00	0	120.00	10,560
Reinforced Concrete - Inlet Air Duct Foundations	CY	698	68.40	47,743	98.00	68,404	0.00	0
CT 4A - Ductwork	TN	33	228.80	7,550	0.00	0	120.00	3,960
CT 4B - Ductwork	TN	33	228.80	7,550	0.00	0	120.00	3,960
HRSG 4A - Duct	TN	5	228.80	1,144	0.00	0	120.00	600
HRSG 4A - Stack	TN	264	228.80	60,403	0.00	0	120.00	31,680
HRSG Unit 4 Stacks	CY	200	68.40	13,680	98.00	19,600	0.00	0
HRSG 4B - Stack	TN	264	228.80	60,403	0.00	0	120.00	31,680
HRSG 4B - Duct	TN	5	228.80	1,144	0.00	0	120.00	600
Reinforced Concrete - Foundations	CY	25	68.40	1,710	98.00	2,450	0.00	0
Reinforced Concrete - Other	CY	18	68.40	1,231	98.00	1,764	0.00	0
Cooling Water Heat Exchanger Shell	TN	22	228.80	5,034	0.00	0	120.00	2,640
16" - 18" CS Pipe Above Ground	TN	58	228.80	13,270	0.00	0	120.00	6,960
Closed Cooling H2O Pumps	TN	3	228.80	686	0.00	0	120.00	360
Account 343 Totals				1,327,812		275,476		884,600
Account 344: Generators								
Pedestal Concrete	CY	614	68.40	41,998	98.00	60,172	0.00	0
Exciter	TN	15	171.60	2,574	0.00	0	120.00	1,800
Turbo-Generator Unit	TN	508	130.00	66,040	0.00	0	120.00	60,960
Turbine Piping	TN	207	171.60	35,521	0.00	0	120.00	24,840
Turbine Insulation	CY	495	52.00	25,740	12.00	5,940	0.00	0
Turbine Copper	TN	46	509.60	23,442	0.00	0	5,000.00	230,000
Condenser Shell	TN	285	171.60	48,906	0.00	0	120.00	34,200
Condenser Tubes	TN	85.5	509.60	43,571	0.00	0	120.00	10,260
Circulating Water Pumps	TN	59	171.60	10,124	0.00	0	120.00	7,080

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Common Facilities								
Account 341: Structures & Improvements								
Condensate Pumps and Ejectors	TN	16	228.80	3,661	0.00	0	120.00	1,920
Concrete Foundations	CY	5.9	68.40	404	98.00	578	0.00	0
Miscellaneous Steel & Equipment	TN	32.4	369.20	11,962	0.00	0	120.00	3,888
Reinforced Concrete - Pedestal Basemat	CY	1,077	68.40	73,667	98.00	105,546	0.00	0
Reinforced Concrete - Pedestal Columns	CY	338	68.40	23,119	98.00	33,124	0.00	0
Reinforced Concrete - Pedestal Top Deck	CY	1,104	68.40	75,514	98.00	108,192	0.00	0
Hydrogen Supply Tank	TN	5	228.80	1,144	0.00	0	120.00	600
Control Board	CY	13	27.36	356	98.00	1,274	0.00	0
Account 344 Totals				487,741		314,826		375,548
Account 345: Accessory Electric Equipment								
Equipment Foundations	CY	46.5	68.40	3,181	98.00	4,557	0.00	0
Structures & Supports	CY	20.97	68.40	1,434	98.00	2,055	0.00	0
Concrete	CY	46.4	68.40	3,174	98.00	4,547	0.00	0
Service Transformer - High & Low Voltage	TN	8	228.80	1,830	0.00	0	120.00	960
Startup Transformer	TN	9	228.80	2,059	0.00	0	120.00	1,080
Storage Batteries & Equipment	TN	45	228.80	10,296	0.00	0	120.00	5,400
Concrete Conduit & Ducts	CY	840	68.40	57,456	98.00	82,320	0.00	0
Cable Trays	TN	4.2	369.20	1,551	0.00	0	120.00	504
Power & Control Wiring	TN	52.5	624.00	32,760	0.00	0	2,100.00	110,250
Generator Leads	TN	16	624.00	9,984	0.00	0	3,600.00	57,600
Instrument Transformers	TN	1.8	228.80	412	0.00	0	120.00	216
2400v Switchgear	TN	18	228.80	4,118	0.00	0	120.00	2,160
480v Switchgear	TN	15	228.80	3,432	0.00	0	120.00	1,800
Transformer Copper	TN	21	384.80	7,973	0.00	0	5,000.00	103,600
Reinforced Concrete - Walls	CY	21	68.40	1,436	98.00	2,058	0.00	0
Reinforced Concrete - Foundations	CY	88	68.40	6,019	98.00	8,624	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	28	68.40	1,915	98.00	2,744	0.00	0
Isophase Bus & AS - Excitation Transformer	TN	8	228.80	1,830	0.00	0	120.00	960
DC&AC Equipment - Charger/Panel	TN	3	228.80	686	0.00	0	120.00	360
Reinforced Concrete - Foundations	CY	60	68.40	4,104	98.00	5,880	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	13	68.40	889	98.00	1,274	0.00	0
Reinforced Concrete - Walls	CY	35	68.40	2,394	98.00	3,430	0.00	0
Isophase Bus & AS -Auxiliary Power Transformer	TN	10	228.80	2,288	0.00	0	120.00	1,200
Reinforced Concrete - Foundations	CY	65	68.40	4,446	98.00	6,370	0.00	0
Reinforced Concrete - Walls	CY	26	68.40	1,778	98.00	2,548	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	10	68.40	684	98.00	980	0.00	0
Isophase Bus & AS - Start-up Transformer	TN	8	228.80	1,830	0.00	0	120.00	960
DC&AC Equipment - Charger/Panel	TN	2	228.80	458	0.00	0	120.00	240
DC&AC Equipment - Charger/Panel	TN	1	228.80	229	0.00	0	120.00	120
Ground Cable	TN	7	624.00	4,368	0.00	0	120.00	840
Ground Cable	TN	10	624.00	6,240	0.00	0	120.00	1,200
Cathodic Protection	TN	1	369.20	369	0.00	0	120.00	120
Conduit 2.5" or > RGS	TN	93	369.20	34,336	0.00	0	120.00	11,160
Conduit 2" Or < RGS	TN	173	369.20	63,872	0.00	0	120.00	20,760
Pull Boxes (all)	TN	4	228.80	915	0.00	0	120.00	480
Unscheduled Conduit	TN	18	369.20	6,646	0.00	0	120.00	2,160
Cable Tray	TN	174	369.20	64,241	0.00	0	120.00	20,880
Pre-Cast Electric Manhole	CY	136	27.36	3,721	98.00	13,328	0.00	0
Other Wire & Cable - Grounding	TN	6	624.00	3,744	0.00	0	2,100.00	12,600
Conduit 2"Or> Duct Bank (PVC)	TN	1	369.20	369	0.00	0	120.00	120
Isophase Bus & AS - Isophase Bus,18KV 4A	TN	1	369.20	369	0.00	0	120.00	120
Isophase Bus Duct	TN	2	369.20	738	0.00	0	120.00	240

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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								
Isophase Bus 18KV 4B	TN	1	369.20	369	0.00	0	120.00	120
Isophase Bus & AS - Non-Seg & D.C. Bus	TN	1	369.20	369	0.00	0	120.00	120
Isophase Bus & AS - PT & Surge Cubicle	TN	2	369.20	738	0.00	0	120.00	240
Isophase Bus & AS - Generator Bus Grdg T/F	TN	5	369.20	1,846	0.00	0	120.00	600
Reinforced Concrete - Foundations	CY	55	68.40	3,762	98.00	5,390	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	9	68.40	616	98.00	882	0.00	0
Relay Racks w/Wire, Tube	TN	3	228.80	686	0.00	0	5,000.00	15,000
4KV & > Cable (PWR)	TN	61	624.00	38,064	0.00	0	2,100.00	128,100
Instrument Cable	TN	13	624.00	8,112	0.00	0	2,100.00	27,300
Unscheduled Cable	TN	5	624.00	3,120	0.00	0	1,020.00	5,100
Load Center, Bus, Switchgear	TN	28	369.20	10,338	0.00	0	120.00	3,360
MCC & LowVolt - MCC Switchgear Section	TN	10	369.20	3,692	0.00	0	120.00	1,200
#6 & > Cable (PWR)	TN	15	624.00	9,360	0.00	0	2,100.00	31,500
#8 & < Cable (PWR)	TN	4	624.00	2,496	0.00	0	2,100.00	8,400
Control Cable	TN	25	624.00	15,600	0.00	0	2,100.00	52,500
Reinforced Concrete - Foundations	CY	129	68.40	8,824	98.00	12,642	0.00	0
Concrete	CY	100	27.36	2,736	98.00	9,800	0.00	0
Cooling System	CY	68	27.36	1,860	98.00	6,664	0.00	0
Wire 4/0 Or > (PWR)	TN	1	624.00	624	0.00	0	2,100.00	2,100
Wire 4/0 OR > (PWR)	TN	0	624.00	0	0.00	0	2,100.00	0
Transformer	TN	15	171.60	2,574	0.00	0	120.00	1,800
Account 345 Totals				476,362		176,093		635,530
Account 346: Miscellaneous Power Plant Equipment								
2" & < CS Pipe Above Ground	TN	39	228.80	8,923	0.00	0	120.00	4,680
Reinforced Concrete - Foundations	CY	257	68.40	17,579	98.00	25,186	0.00	0
Instrument Air Tank	TN	3	171.60	515	0.00	0	120.00	360
Instrument Air Compressor	TN	5	171.60	858	0.00	0	120.00	600
Instrument Air Dryer	TN	1	171.60	172	0.00	0	120.00	120
Account 346 Totals				28,046		25,186		5,760
Total Unit 4				3,835,130		1,871,413		2,402,390
Unit 5								
Account 341: Structures & Improvements								
Intake Structure	CY	1238	68.40	84,679	98.00	121,324	0.00	0
Grills, Screens & Hoists	TN	22	369.20	8,122	0.00	0	120.00	2,640
Intake Conduit	CY	627	68.40	42,887	98.00	61,446	0.00	0
Reinforced Concrete - Other	CY	58	68.40	3,967	98.00	5,684	0.00	0
Reinforced Concrete - Foundations	CY	57	68.40	3,899	98.00	5,586	0.00	0
Concrete - Piers, Pads, Curbs, etc.	CY	31	27.36	848	98.00	3,038	0.00	0
Intake Structure Hoist	TN	5	228.80	1,144	0.00	0	120.00	600
20" - 30" Fiberglass Pipe Above Ground	CY	157	27.36	4,296	98.00	15,386	0.00	0
Intake/Open Cooling Pump	TN	24	171.60	4,118	0.00	0	120.00	2,880
Reinforced Concrete - Pits, Sumps & Ramps	CY	64	68.40	4,378	98.00	6,272	0.00	0
Reinforced Concrete - Utility Rack Foundations	CY	532	68.40	36,389	98.00	52,136	0.00	0
Reinforced Concrete - Other	CY	7	68.40	479	98.00	686	0.00	0
Utility Rack - Structural Steel	TN	231	228.80	52,853	0.00	0	120.00	27,720
Utility Rack - Miscellaneous Steel	TN	13	369.20	4,800	0.00	0	120.00	1,560
Utility Racks Grating	TN	24	369.20	8,861	0.00	0	120.00	2,880

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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								
Account 341 Totals				261,719		271,558		38,280
Account 342: Fuel Holders, Producers, and Accessories								
Firewalls	CY	122.5	27.36	3,352	98.00	12,005	0.00	0
Cooling Water Heat Exchangers	TN	5.3	228.80	1,213	0.00	0	120.00	636
L.P. Heater Drain Pump	TN	2.3	228.80	526	0.00	0	120.00	276
Well Cooling Water Pump	TN	1.45	228.80	332	0.00	0	120.00	174
Boiler Fill and Wash Pump	TN	1	228.80	229	0.00	0	120.00	120
Boiler Feed Pumps	TN	33.75	228.80	7,722	0.00	0	120.00	4,050
Concrete	CY	65	68.40	4,446	98.00	6,370	0.00	0
Condensate Storage Tank & Equipment	TN	19	228.80	4,347	0.00	0	120.00	2,280
Condensate Storage Tank foundation	CY	5.9	68.40	404	98.00	578	0.00	0
Piping	TN	200.8	228.80	45,943	0.00	0	120.00	24,096
Pipe Insulation	CY	229	52.00	11,908	12.00	2,748	0.00	0
Miscellaneous Steel & Equipment	TN	118	369.20	43,566	0.00	0	120.00	14,160
10" - 14" CS Pipe - Above Ground	TN	5	171.60	858	0.00	0	120.00	600
Fuel Oil Gas Pump	TN	3	171.60	515	0.00	0	120.00	360
Reinforced Concrete - Foundations	CY	47	68.40	3,215	98.00	4,606	0.00	0
Account 342 Totals				128,574		26,307		46,752
Account 343: Prime Movers								
Concrete - Piers, Pads, Curbs, etc.	CY	182	27.36	4,980	98.00	17,836	0.00	0
Reinforced Concrete - Pits, Sumps & Ramps	CY	101	68.40	6,908	98.00	9,898	0.00	0
HRSG 5A - Base Plates	TN	20	130.00	2,600	0.00	0	120.00	2,400
HRSG 5B - Base Plates	TN	20	130.00	2,600	0.00	0	120.00	2,400
HRSG 5A - Top Casing & Roof Steel	TN	8	228.80	1,830	0.00	0	120.00	960
HRSG 5B - Top Casing & Roof Steel	TN	8	228.80	1,830	0.00	0	120.00	960
HRSG 5 Diffusers	TN	7	228.80	1,602	0.00	0	120.00	840
HRSG 5A - Inlet Board & SCR DT	TN	121	171.60	20,764	0.00	0	120.00	14,520
HRSG 5B - Inlet Board & SCR DT	TN	121	171.60	20,764	0.00	0	120.00	14,520
HRSG 5A - Miscellaneous Platforms & Stairs	TN	3	369.20	1,108	0.00	0	120.00	360
HRSG 5B - Miscellaneous Platforms & Stairs	TN	3	369.20	1,108	0.00	0	120.00	360
HRSG 5 Small Bore Pipe	TN	25	228.80	5,720	0.00	0	120.00	3,000
HRSG 5A - Small Bore Pipe, Supports, Valves	TN	8	228.80	1,830	0.00	0	120.00	960
HRSG 5B - Small Bore Pipe, Supports, Valves	TN	8	228.80	1,830	0.00	0	120.00	960
HRSG 5A - Silencers & Supports	TN	8	228.80	1,830	0.00	0	120.00	960
HRSG 5A - Silencers & Supports	TN	8	228.80	1,830	0.00	0	120.00	960
HRSG 5A - Modules	TN	1,632	130.00	212,160	0.00	0	120.00	195,840
HRSG 5B - Modules	TN	1,632	130.00	212,160	0.00	0	120.00	195,840
HRSG 5 Large Bore Pipe	TN	50	171.60	8,580	0.00	0	120.00	6,000
HRSG 5A - Large Bore Pipe, Supports, Valves	TN	8	171.60	1,373	0.00	0	120.00	960
HRSG 5B - Large Bore Pipe, Supports, Valves	TN	8	171.60	1,373	0.00	0	120.00	960
HRSG 5A - Instrumentation	TN	8	171.60	1,373	0.00	0	120.00	960
HRSG 5B - Instrumentation	TN	8	171.60	1,373	0.00	0	120.00	960
HRSG 5A - HP Drum, Tubes, Downcomers	TN	127	171.60	21,793	0.00	0	120.00	15,240
HRSG 5B - HP Drum, Tubes, Downcomers	TN	127	171.60	21,793	0.00	0	120.00	15,240
HRSG 5A - IP Drum, Tubes, Downcomers	TN	16	171.60	2,746	0.00	0	120.00	1,920
HRSG 5B - IP Drum, Tubes, Downcomers	TN	16	171.60	2,746	0.00	0	120.00	1,920
HRSG 5A - LP Drum, Tubes, Downcomers	TN	7	171.60	1,201	0.00	0	120.00	840
HRSG 5B - LP Drum, Tubes, Downcomers	TN	7	171.60	1,201	0.00	0	120.00	840
Hangers & Supports <= 4"	TN	3	171.60	515	0.00	0	120.00	360
2.5" - 4" CS Pipe Above Ground	TN	15	369.20	5,538	0.00	0	120.00	1,800
Hangers & Supports - Large Bore	TN	25	171.60	4,290	0.00	0	120.00	3,000

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Common Facilities								
Account 341: Structures & Improvements								
6" - 8" CS Pipe Above Ground	TN	42	228.80	9,610	0.00	0	120.00	5,040
6" - 8" CS Pipe Above Ground	TN	3	228.80	686	0.00	0	120.00	360
10" - 14" CS Pipe Above Ground	TN	63	171.60	10,811	0.00	0	120.00	7,560
10" - 14" CS Pipe Above Ground	TN	4	171.60	686	0.00	0	120.00	480
6" - 8" CM Pipe Above Ground	TN	6	228.80	1,373	0.00	0	120.00	720
HRSG Feed Pumps	TN	6	171.60	1,030	0.00	0	120.00	720
Reinforced Concrete - Foundations	CY	20	68.40	1,368	98.00	1,960	0.00	0
Instrument Tubing & Sensing	TN	4	369.20	1,477	0.00	0	120.00	480
CT 5A	TN	506	130.00	65,780	0.00	0	120.00	60,720
CT 5B	TN	506	130.00	65,780	0.00	0	120.00	60,720
Diffuser Enclosure - HRSG 5A	TN	4	369.20	1,477	0.00	0	120.00	480
Diffuser Enclosure - HRSG 5B	TN	4	369.20	1,477	0.00	0	120.00	480
CT 5A - Interconnect Pipe	TN	8	228.80	1,830	0.00	0	120.00	960
CT 5B - Interconnect Pipe	TN	8	228.80	1,830	0.00	0	120.00	960
16" - 18" CS Pipe Above Ground	TN	3	171.60	515	0.00	0	120.00	360
20" - 30" CS Pipe Above Ground	TN	2	171.60	343	0.00	0	120.00	240
Instrument Main Steam Piping	TN	3	171.60	515	0.00	0	120.00	360
2" & Under CM Pipe Above Ground	TN	11	228.80	2,517	0.00	0	120.00	1,320
2.5" - 4" CM Pipe Above Ground	TN	2	228.80	458	0.00	0	120.00	240
Hangers & Supports - Large Bore	TN	1	228.80	229	0.00	0	120.00	120
10" - 14" CS Pipe Above Ground	TN	15	171.60	2,574	0.00	0	120.00	1,800
10" - 14" CM Pipe Above Ground	TN	28	171.60	4,805	0.00	0	120.00	3,360
16" - 18" CM Pipe Above Ground	TN	113	171.60	19,391	0.00	0	120.00	13,560
HRGS Blowdown Tank	TN	7	171.60	1,201	0.00	0	120.00	840
Reinforced Concrete - Pits, Sumps & Ramps	CY	130	68.40	8,892	98.00	12,740	0.00	0
20" - 30" CS Pipe Above Ground	TN	41	171.60	7,036	0.00	0	120.00	4,920
20" - 30" CM Pipe Above Ground	TN	128	171.60	21,965	0.00	0	120.00	15,360
U5 Steam Turbine Equipment	TN	15	171.60	2,574	0.00	0	120.00	1,800
U5 Steam Turbine Piping	TN	21	171.60	3,604	0.00	0	120.00	2,520
Reinforced Concrete - Foundations	CY	30	68.40	2,052	98.00	2,940	0.00	0
Condenser Vacuum Pump	TN	4	228.80	915	0.00	0	120.00	480
Reinforced Concrete - Foundations	CY	40	68.40	2,736	98.00	3,920	0.00	0
Reinforced Concrete - Stack Foundations	CY	359	68.40	24,556	98.00	35,182	0.00	0
2" & Under Stainless Steel Pipe Above Ground	TN	7	228.80	1,602	0.00	0	2,000.00	14,000
2.5" - 4" Stainless Steel Pipe Above Ground	TN	4	228.80	915	0.00	0	2,000.00	8,000
CT 5A - Mechanical/Electrical Packages	TN	55	228.80	12,584	0.00	0	120.00	6,600
CT 5B - Mech/Elect Pkgs	TN	55	228.80	12,584	0.00	0	120.00	6,600
6" - 8" SS Pipe Above Ground	TN	15	171.60	2,574	0.00	0	2,000.00	30,000
10" - 14" SS Pipe Above Ground	TN	3	171.60	515	0.00	0	2,000.00	6,000
Reinforced Concrete - Inlet Air Duct Found.	CY	463	68.40	31,669	98.00	45,374	0.00	0
CT 5A - Ductwork	TN	33	228.80	7,550	0.00	0	120.00	3,960
CT 5B - Ductwork	TN	33	228.80	7,550	0.00	0	120.00	3,960
HRSG 5 Stacks	CY	200	68.40	13,680	98.00	19,600	0.00	0
HRSG 5A - Duct	TN	5	228.80	1,144	0.00	0	120.00	600
HRSG 5A - Stack	TN	264	228.80	60,403	0.00	0	120.00	31,680
HRSG 5B - Duct	TN	5	228.80	1,144	0.00	0	120.00	600
HRSG 5B - Stack	TN	264	228.80	60,403	0.00	0	120.00	31,680
Reinforced Concrete - Foundations	CY	134	68.40	9,166	98.00	13,132	0.00	0
Cooling Water Heat Exchanger Shell	TN	22	171.60	3,775	0.00	0	120.00	2,640
16" - 18" CS Pipe Above Ground	TN	51	171.60	8,752	0.00	0	120.00	6,120
20" - 30" CS Pipe Above Ground	TN	4	171.60	686	0.00	0	120.00	480
Closed Cooling H2O Pumps	TN	3	171.60	515	0.00	0	120.00	360
Account 343 Totals				1,088,650		162,582		827,080

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Common Facilities								
Account 341: Structures & Improvements								
Account 344: Generators								
Pedestal Concrete	CY	614	68.40	41,998	98.00	60,172	0.00	0
Exciter	TN	15	171.60	2,574	0.00	0	120.00	1,800
Turbo-Generator Unit	TN	508	130.00	66,040	0.00	0	120.00	60,960
Turbine Piping	TN	207	171.60	35,521	0.00	0	120.00	24,840
Turbine Insulation	CY	495	52.00	25,740	12.00	5,940	0.00	0
Turbine Copper	TN	46	509.60	23,442	0.00	0	5,000.00	230,000
Condenser Shell	TN	285	171.60	48,906	0.00	0	120.00	34,200
Condenser Tubes	TN	85.5	509.60	43,571	0.00	0	4,000.00	342,000
Circulating Water Pumps	TN	59	171.60	10,124	0.00	0	120.00	7,080
Condensate Pumps and Ejectors	TN	16	228.80	3,661	0.00	0	120.00	1,920
Concrete Foundations	CY	5.9	68.40	404	98.00	578	0.00	0
Miscellaneous Steel & Equipment	TN	32.4	369.20	11,962	0.00	0	120.00	3,888
Reinforced Concrete- Pedestal Basemat	CY	1,060	68.40	72,504	98.00	103,880	0.00	0
Reinforced Concrete- Pedestal Columns	CY	335	68.40	22,914	98.00	32,830	0.00	0
Reinforced Concrete- Pedestal Top Deck	CY	1,096	68.40	74,966	98.00	107,408	0.00	0
Account 344 Totals				484,326		310,808		706,688
Account 345: Accessory Electric Equipment								
Equipment Foundations	CY	46.5	68.40	3,181	98.00	4,557	0.00	0
Structures & Supports	CY	20.97	68.40	1,434	98.00	2,055	0.00	0
Concrete	CY	46.4	68.40	3,174	98.00	4,547	0.00	0
Service Transformer - High & Low Voltage	TN	8	228.80	1,830	0.00	0	120.00	960
Startup Transformer	TN	9	228.80	2,059	0.00	0	120.00	1,080
Transformer Copper	TN	7	384.80	2,617	0.00	0	5,000.00	34,000
Storage Batteries & Equipment	TN	45	228.80	10,296	0.00	0	120.00	5,400
Concrete Conduit & Ducts	CY	840	68.40	57,456	98.00	82,320	0.00	0
Cable Trays	TN	4.2	369.20	1,551	0.00	0	120.00	504
Power & Control Wiring	TN	52.5	624.00	32,760	0.00	0	2,100.00	110,250
Generator Leads	TN	16	624.00	9,984	0.00	0	5,000.00	80,000
Instrument Transformers	TN	1.8	228.80	412	0.00	0	120.00	216
2400v Switchgear	TN	18	228.80	4,118	0.00	0	120.00	2,160
480v Switchgear	TN	15	228.80	3,432	0.00	0	120.00	1,800
Concrete	CY	6	27.36	164	98.00	588	0.00	0
Valve Manual	TN	1	228.80	229	0.00	0	120.00	120
Conduit 2" OR >	TN	2	369.20	738	0.00	0	120.00	240
Conduit < 2"	TN	2	369.20	738	0.00	0	120.00	240
Concrete - Ductbank	CY	10	27.36	274	98.00	980	0.00	0
Wire 4/0 Or > (PWR)	TN	2	228.80	458	0.00	0	120.00	240
Transformer	TN	15	171.60	2,574	0.00	0	120.00	1,800
Reinforced Concrete - Walls	CY	24	68.40	1,642	98.00	2,352	0.00	0
Reinforced Concrete - Foundations	CY	70	68.40	4,788	98.00	6,860	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	13	68.40	889	98.00	1,274	0.00	0
Isophase Bus & AS - Excitation Transformer	TN	8	228.80	1,830	0.00	0	120.00	960
DC&AC Equipment - Charger/Panel	TN	2	369.20	738	0.00	0	120.00	240
Reinforced Concrete - Foundations	CY	60	68.40	4,104	98.00	5,880	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	24	68.40	1,642	98.00	2,352	0.00	0
Reinforced Concrete - Walls	CY	26	68.40	1,778	98.00	2,548	0.00	0
Isophase Bus & AS - Auxiliary Power Transf.	TN	10	228.80	2,288	0.00	0	120.00	1,200
Reinforced Concrete - Foundations	CY	62	68.40	4,241	98.00	6,076	0.00	0
Reinforced Concrete - Walls	CY	20	68.40	1,368	98.00	1,960	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	6	27.36	164	98.00	588	0.00	0

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								
Isophase Bus & AS - Start-up Transformer	TN	8	228.80	1,830	0.00	0	120.00	960
DC&AC Equipment - Charger/Panel	TN	2	228.80	458	0.00	0	120.00	240
DC&AC Equipment - Charger/Panel	TN	1	228.80	229	0.00	0	120.00	120
DC&AC Equipment - Charger/Panel	TN	1	228.80	229	0.00	0	120.00	120
Ground Cable	TN	4	624.00	2,496	0.00	0	2,100.00	8,400
Conduit 2.5"O > RGS Above Ground	TN	57	369.20	21,044	0.00	0	120.00	6,840
Conduit 2" Or < RGS Above Ground	TN	141	369.20	52,057	0.00	0	120.00	16,920
Unscheduled Conduit	TN	12	369.20	4,430	0.00	0	120.00	1,440
Cable Tray	TN	156	369.20	57,595	0.00	0	120.00	18,720
Isophase Bus & As - Pt & Surge Cubicle	TN	2	228.80	458	0.00	0	120.00	240
Isophase Bus & As - Gener. Bus Grnd. Xfmr	TN	5	228.80	1,144	0.00	0	120.00	600
Reinforced Concrete - Foundations	CY	48	68.40	3,283	98.00	4,704	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	15	68.40	1,026	98.00	1,470	0.00	0
Relay Racks W/Wire, Tube	TN	3	228.80	686	0.00	0	120.00	360
4KV & Greater Cable (PWR)	TN	59	624.00	36,816	0.00	0	2,100.00	123,900
Electrical Instrument	TN	2	369.20	738	0.00	0	120.00	240
Instrument Cable	TN	11	624.00	6,864	0.00	0	2,100.00	23,100
Unscheduled Cable	TN	4	624.00	2,496	0.00	0	2,100.00	8,400
Load Center, Bus - Switchgear	TN	25	228.80	5,720	0.00	0	120.00	3,000
MCC & Low Volt - MCC Switchgear Section	TN	8	228.80	1,830	0.00	0	120.00	960
#6 & Greater Cable (PWR)	TN	19	624.00	11,856	0.00	0	2,100.00	39,900
#8 & Smaller Cable (PWR)	TN	4	624.00	2,496	0.00	0	2,100.00	8,400
Control Cable	TN	23	624.00	14,352	0.00	0	2,100.00	48,300
Reinforced Concrete - Foundations	CY	114	68.40	7,798	98.00	11,172	0.00	0
Account 345 Totals				402,884		142,283		552,570
Account 346: Miscellaneous Power Plant Equipment								
2" & < CS Pipe Above Ground	TN	34	228.80	7,779	0.00	0	120.00	4,080
Reinforced Concrete - Foundations	CY	145	68.40	9,918	98.00	14,210	0.00	0
Instrument Air Compressor	TN	5	228.80	1,144	0.00	0	120.00	600
Instrument Air Dryer	TN	1	228.80	229	0.00	0	120.00	120
Account 346 Totals				19,070		14,210		4,800
Total Unit 5				2,385,223		927,749		2,176,170
Total Lauderdale Common, Units 4 & 5				9,210,672		6,162,859		5,870,300
Lauderdale Gas Turbines								
Account 341: Structures & Improvements								
Concrete and Foundations	CY	150	68.40	10,260	98.00	14,700	0.00	0
Account 343: Prime Movers								
Gas Expander With Sole Plates	TN	893	228.80	204,318	0.00	0	120.00	107,160
Gas Generator Engines With Bases	TN	144	228.80	32,947	0.00	0	120.00	17,280
Turn Gear & Outer Exhaust Case	TN	103	228.80	23,566	0.00	0	120.00	12,360
Upper Half - Outer Exhaust Case	TN	30	228.80	6,864	0.00	0	120.00	3,600
Upper Half - Inner Exhaust Case	TN	264	228.80	60,403	0.00	0	120.00	31,680
Other Items	TN	450	228.80	102,960	0.00	0	120.00	54,000
Account 343 Totals				431,059		0		226,080

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								
Account 344: Generators								
Generator	TN	29	130.00	3,770	0.00	0	120.00	3,480
Generator Copper	TN	3	509.60	1,529	0.00	0	5,000.00	15,000
Rotor and 2 Coupling Hubs	TN	3.2	130.00	416	0.00	0	120.00	384
Account 344 Totals				<u>5,715</u>		<u>0</u>		<u>18,864</u>
Account 345: Accessory Electric Equipment								
Transformers	TN	13	228.80	2,860	0.00	0	120.00	1,500
Transformer Copper	TN	5	384.80	1,924	0.00	0	5,000.00	25,000
				<u>4,784</u>		<u>0</u>		<u>26,500</u>
Total Lauderdale Gas Turbines				<u>451,818</u>		<u>14,700</u>		<u>271,444</u>
Total Common, Units 4 & 5 and GTs				<u>9,662,490</u>		<u>6,177,559</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 FE 7FA combustion turbines similar to the Unit 2 CTs. They provide an additional 340 megawatts of peaking power. These units are included in this study. The economic recovery date for Unit 3 is 2028, with dismantlement assumed to begin in 2033.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Fort Myers plant in Docket No. 030558-EI, Order No. PSC-04-0086-PAA-EI, issued on January 27, 2004. The current accruals became effective as of January 1, 2003.

**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	709,359	950,719	130,824	1,529,254
342	Boiler Plant Equipment	93,133	119,275	28,978	183,431
343	Prime Movers	0	0	0	0
344	Turbogenerator Units	422,488	90,599	637,452	(124,365)
345	Accessory Electrical Equipment	209,430	54,094	496,380	(232,856)
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	1,434,410	1,214,687	1,293,633	1,355,464
<u>Other Site Costs:</u>					
	Site Management Expenses	775,569			775,569
	Asbestos Abatement Costs	13,665			13,665
	Other Site Contamination	287,169			287,169
	Intake & Discharge Backfill	140,502			140,502
	Grading & Seeding	3,320,611			3,320,611
	Subtotal	4,537,516	0	0	4,537,516
	Total	5,971,926	1,214,687	1,293,633	5,892,979
	Contingency - 16%	955,508	194,350		1,149,858
	Total Ft. Myers Common excluding Unusable M&S	\$6,927,434	\$1,409,037	\$1,293,633	\$7,042,837
	Unusable M&S Inventory	1,949,888	0	194,989	1,754,899
	Total Ft. Myers Common including Unusable M&S	8,877,322	1,409,037	1,488,622	8,797,736
<u>Ft. Myers Unit 2</u>					
341	Structures and Improvements	765,638	803,160	158,260	1,410,538
342	Fuel Holders, Producers and Accessories	51,785	11,791	18,466	45,110
343	Prime Movers	7,050,000	2,087,715	3,087,816	6,049,898
344	Generators	718,115	168,930	1,169,258	(282,213)
345	Accessory Electric Equipment	340,736	94,336	753,712	(318,640)
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	8,926,274	3,165,931	5,187,511	6,904,693
	Contingency - 16%	1,428,204	506,549		1,934,753
	Total Ft. Myers Unit 2	\$10,354,478	\$3,672,479	\$5,187,511	\$8,839,446
<u>Ft. Myers Unit 3</u>					
341	Structures and Improvements	0	0	0	0
342	Fuel Holders, Producers and Accessories	0	0	0	0
343	Prime Movers	3,823,302	618,108	2,308,707	2,132,703
344	Generators	0	0	0	0
345	Accessory Electric Equipment	556,028	0	267,087	288,941
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	4,379,331	618,108	2,575,794	2,421,644
	Contingency - 16%	700,693	98,897		799,590
	Total Ft. Myers Unit 3	\$5,080,024	\$717,005	\$2,575,794	\$3,221,234
<u>Ft. Myers Gas Turbines</u>					
341	Structures and Improvements	42,710	19,225	10,128	51,808
342	Fuel Holders, Producers and Accessories	91,948	51,625	83,266	60,308
343	Prime Movers	1,694,832	203,917	609,912	1,288,837
344	Generators	557,700	9,240	367,840	199,100
345	Accessory Electric Equipment	89,487	0	111,903	(22,416)
	Subtotal	2,476,678	284,007	1,183,049	1,577,637
	Contingency - 16%	396,268	45,441		441,710
	Total Ft. Myers Gas Turbines	\$2,872,947	\$329,448	\$1,183,049	\$2,019,346
	Total Dismantlement Costs	\$27,184,770	\$6,127,969	\$10,434,976	\$22,877,762

**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	4,156,460	4,720,862	\$1,409,037	\$1,488,622	\$8,797,736
Ft. Myers Unit 2	6,212,687	4,141,791	3,672,479	5,187,511	8,839,446
Ft. Myers Unit 3	3,048,014	2,032,009	717,005	2,575,794	3,221,234
Ft. Myers Gas Turbines	1,723,768	1,149,179	329,448	1,183,049	2,019,346
Total	\$15,140,929	\$12,043,841	\$6,127,969	\$10,434,976	\$22,877,762

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	\$36.64	X	6	=	\$219.86
Foreman	\$46.65	X	1	=	\$46.65
Heavy Equipment Operator	\$44.68	X	1	=	\$44.68
Total Cost per hour of 8 man crew					<u>\$311.19</u>
Cost per man hour		\$311.19 /	8 =		<u><u>\$38.90</u></u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					24,940.03
Front End Loader					2,912.53
Cutting Equipment					231.75
Total per month					<u>\$28,084.30</u>
28,084.30	/	176	hours per month =		159.57
Cost per man hour		\$159.57 /	8 =		\$19.95
Plus: amount for small tools					1.00
Total Cost per man hour					<u><u>\$20.95</u></u>

FT. MYERS DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$38.90
Equipment	20.95
Total	<u>\$59.84</u>
Rounded	<u>\$60.00</u>
For Concrete demolition add \$5.00 per hour additional equipment charge.	<u>\$65.00</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)	\$60.00	2.50 MH / Ton	\$150.00 / Ton
Heavy Steel (2)	\$60.00	3.30 MH / Ton	\$198.00 / Ton
General Steel	\$60.00	4.40 MH / Ton	\$264.00 / Ton
Light Steel	\$60.00	7.10 MH / Ton	\$426.00 / Ton
Concrete (also used for fiberglass pip	\$65.00	0.48 MH / CY	\$31.20 / CY
Reinforced Concrete	\$65.00	1.20 MH / CY	\$78.00 / CY
Copper-Elect. Cable &			
Generator Leads &	\$60.00	12.00 MH / Ton	\$720.00 / Ton
Copper - Generator	\$60.00	9.80 MH / Ton	\$588.00 / Ton
Copper - Transformer	\$60.00	7.40 MH / Ton	\$444.00 / Ton
General Insulation	\$60.00	1.00 MH / CY	\$60.00 / CY
Inground Pipe-Metal(3)	\$60.00	6.00 MH / Ton	\$360.00 / Ton
Concrete Pipe	\$65.00	4.60 MH / Ton	\$299.00 / 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 Landfill. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of \$36.75/ton was obtained from the Landfill. The dumpster rate are \$225 per haul for a 20 cubic yard dumpster and \$265 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)	\$225.00 / haul	X	1 haul	=	\$225.00
Tipping Fees	\$36.75 / ton	X	26.5 tons	=	\$973.88
Total Cost per round Trip					<u>1,198.88</u> 4 ton deductible

Cost per Cubic Yard	\$1,198.88 / 15.38 cubic yards =	\$77.95
Plus 10% contractor profit		<u>7.80</u>
Total Cost per Cubic Yard		<u>\$85.75</u>

Rounded Cost per Cubic Yard	<u>\$86.00</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)	\$265.00 / haul	X	1 haul	=	\$265.00
Tipping Fees	\$36.75 / ton	X	0 tons	=	<u>0.00</u>
Total Cost per round Trip					265.00 6 ton deductible

Cost per Cubic Yard	\$265.00 /27 cubic yards =	\$9.81
Plus 10% contractor profit		<u>0.98</u>
Total Cost per Cubic Yard		<u>\$10.80</u>

Rounded Cost per Cubic Yard	<u>\$11.00</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 \$19,202 per month, both office and site, and contractor's expenses of \$23,885 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	\$43,087
Number of months	18
Total Site Management Expenses	<u>\$775,569</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 \$39,120; the cost for the discharge is \$31,131. Fort Myers has two Intakes and two Discharges.

	<u>Cost /Unit</u>	<u>Quantity</u>	<u>Totals</u>
Intake	\$39,120	2	\$78,240
Discharge	\$31,131	2	\$62,262
Total			<u>\$140,502</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 \$56,186 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	\$56,186
Total Grading and Seeding Expense	<u>\$3,320,611</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	161,600
Total	<u><u>\$300,834</u></u>

FT. MYERS

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
FT. MYERS COMMON										
FERC Account 341										
Improvements to Site										
Access Roads and Parking Areas	CY	0.75	7,187	5,390	31.20	168,164	86.00	463,530	0.00	0
Concrete Walkways	CY	1.00	252	252	31.20	7,862	86.00	21,672	0.00	0
Station Sign - Concrete	CY	1.00	11	11	31.20	343	86.00	946	0.00	0
Station Sign - Concrete Foundation	CY	1.00	7	7	78.00	555	86.00	611	0.00	0
Yard Lighting	TN	0.50	3	2	426.00	639	0.00	0	120.00	180
Subtotal						177,563		486,759		180
Domestic Water Distribution System and Water Treatment										
Service Water Booster Pump	TN	1	2	2	426.00	639	0.00	0	120.00	180
Yard Fire Protection - System Complete	TN	1	49	49	360.00	17,640	0.00	0	120.00	5,880
Lawn Sprinkler System - Incl. Pumps w/ Motors, Compl.	TN	1	2	2	426.00	639	0.00	0	120.00	180
Intake Chlorination System - Piping	TN	1	1	1	264.00	306	0.00	0	120.00	139
Intake Chlorination System - Chlorinators	TN	1	2	2	264.00	528	0.00	0	120.00	240
Sulfuric Acid Storage tank	TN	1	5	5	264.00	1,320	0.00	0	120.00	600
Caustic Acid Storage Tank	TN	1	5	5	264.00	1,320	0.00	0	120.00	600
C-anion Mixing Tanks	TN	3	5	15	264.00	3,960	0.00	0	120.00	1,800
Cation Mixing Tanks	TN	2	5	10	264.00	2,640	0.00	0	120.00	1,200
Acid Mixing Pumps and Piping system	TN	1	10	10	426.00	4,260	0.00	0	120.00	1,200
Fire Protection - Raw Water Fire Pump	TN	1	2	2	426.00	639	0.00	0	120.00	180
Fire Protection - F/Pump concrete slab	CY	1	5	5	78.00	390	86.00	430	0.00	0
Subtotal						34,281		430		12,199
Station Structures										
Service Building - Substructure - Reinforced Concrete	CY	1	200	200	78.00	15,600	86.00	17,200	0.00	0
Service Building - Concrete Block Walls 8,000 Blocks	CY	1	131	131	31.20	4,092	86.00	11,279	0.00	0
Service Building - Superstructure - Concrete	CY	1	308	308	78.00	23,985	86.00	26,445	0.00	0
Service Building - Superstructure - Steel Roof	TN	1	15	15	426.00	6,241	0.00	0	120.00	1,758
Paint & Lube Oil Storage Building - R/Concrete Fndatn	CY	1	55	55	78.00	4,290	86.00	4,730	0.00	0
Paint & Lube Oil Storage Bldng - (1650 conc blocks)	CY	1	27	27	31.20	844	86.00	2,326	0.00	0
Station Warehouse - Reinforced Concrete Foundation	CY	1	62	62	78.00	4,819	86.00	5,313	0.00	0
Station Warehouse - Steel Bldg - 32' x 84' Butler Bldg	TN	1	20	20	426.00	8,307	0.00	0	120.00	2,340
Lime Storage Building - Reinforced Concrete Foundation	CY	1	53	53	78.00	4,095	86.00	4,515	0.00	0
Lime Storage Building - Concrete Block Walls	CY	1	53	53	31.20	1,654	86.00	4,558	0.00	0
Chlorination Building - Reinforced Concrete Foundation	CY	1	27	27	78.00	2,106	86.00	2,322	0.00	0
Chlorination Building - Concrete Block Walls	CY	1	29	29	31.20	905	86.00	2,494	0.00	0
Spare Parts Warehouse - Structural Steel	TN	1	15	15	264.00	3,828	0.00	0	120.00	1,740
Spare Parts Warehouse - Foundation - Concrete	CY	1	29	29	78.00	2,262	86.00	2,494	0.00	0
Lime Storage Building - Concrete Roof	CY	1	49	49	31.20	1,529	86.00	4,214	0.00	0
Lab Building - Concrete Block Walls	CY	1	53	53	31.20	1,654	86.00	4,558	0.00	0
Lab Building - Concrete Foundation	CY	1	53	53	78.00	4,095	86.00	4,515	0.00	0
Subtotal						90,304		96,963		5,838
Fort Myers Boathouse Facility										
Structure - Steel	TN	1	4	4	426.00	1,704	0.00	0	120.00	480
Foundation and Seawall - concrete	CY	1	5	5	78.00	390	86.00	430	0.00	0
Subtotal						2,094		430		480

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FT. MYERS

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
Site Sewer System										
Storm Sewers and Drains - Reinforced Concrete	CY	1	36	36	78.00	2,808	86.00	3,096	0.00	0
Storm Sewers and Drains - Piping										
48" R/Concrete Pipe	CY	1	8	8	78.00	662	86.00	730	0.00	0
18" R/Concrete Pipe	CY	1	13	13	78.00	980	86.00	1,080	0.00	0
15" R/Concrete Pipe	CY	1	28	28	78.00	2,221	86.00	2,448	0.00	0
12" R/Concrete Pipe	CY	1	4	4	31.20	139	86.00	384	0.00	0
Sanitary Sewer - Septic Tank Concrete	CY	1	23	23	31.20	718	86.00	1,978	0.00	0
Sanitary Sewer & Floor Drains - System complete	TN	1	31	31	426.00	13,206	0.00	0	120.00	3,720
Subtotal						20,734		9,717		3,720
Fuel Oil System/Area										
Fuel Oil Storage Tank Cleaning- 100,000 BBLs, total	BBLs	1	100,000	100,000	n/a	0	n/a	127,749	0.00	0
Fuel Oil Storage Tanks - 100,000 BBLs total	TN	1	334	334	n/a	32,040	0.00	0	120.00	40,080
Soil Remediation	EA	1	n/a	0	n/a	0	n/a	63,693	n/a	0
Subtotal						32,040		191,442		40,080
Service Water and Raw Water Systems										
Water Treatment - Concrete	CY	1	169	169	78.00	13,182	86.00	14,534	0.00	0
Water Treatment - Cast Iron Piping	TN	1	15	15	360.00	5,519	0.00	0	120.00	1,840
Raw Water Pump and motor	TN	1	5	5	426.00	2,130	0.00	0	120.00	600
Raw Water Storage Tank - 50,000 Gallons	TN	1	17	17	264.00	4,617	0.00	0	120.00	2,099
Raw Water Storage Tank - Foundation	CY	1	55	55	78.00	4,290	86.00	4,730	0.00	0
Elevated Water Storage Tank - 100,000 Gallons	TN	1	35	35	198.00	6,926	0.00	0	120.00	4,198
Elevated Water Storage Tank - Foundation-Concrete	CY	1	155	155	78.00	12,090	86.00	13,330	0.00	0
Subtotal						48,754		32,594		8,736
Intake System										
Intake Structure - Reinforced Concrete	CY	1	692	692	78.00	53,937	86.00	59,469	0.00	0
Intake Structure - Structural Steel	TN	1	21	21	198.00	4,158	0.00	0	120.00	2,520
Intake Structure - Wingwall Cap & Crane Rail Pads	CY	1	31	31	78.00	2,427	86.00	2,675	0.00	0
Intake Structure - Traveling Water Screens	TN	2	11	23	264.00	6,019	0.00	0	120.00	2,736
Intake Structure - Screen Wash Pumps W/ Motors	TN	2	3	6	264.00	1,584	0.00	0	120.00	720
Intake Structure - Concrete Stop Logs	CY	1	12	12	78.00	897	86.00	989	0.00	0
Intake Cooling Water Pumps and motors	TN	2	3	6	264.00	1,584	0.00	0	120.00	720
Intake Lube Water Well Pumps - Concrete Foundation	CY	1	13	13	78.00	1,014	86.00	1,118	0.00	0
Intake Structure - Bridge Crane and Hoists	TN	1	2	2	264.00	528	0.00	0	120.00	240
Intake Conduit - 54" Reinforced Concrete Pipe	CY	1	47	47	299.00	14,161	0.00	0	0.00	0
Intake Transition Blocks - Concrete	CY	1	91	91	78.00	7,059	86.00	7,783	0.00	0
Intake Screen Refuse Line - Cast Iron Pipe	TN	1	1	1	360.00	360	0.00	0	120.00	120
Intake Screen Refuse Line - Concrete Pipe	CY	1	13	13	78.00	1,023	86.00	1,128	0.00	0
Subtotal						94,751		73,163		7,056
Discharge System										
Discharge Conduit - 54" Reinforced Concrete Pipe	CY	1	175	175	299.00	52,226	0.00	0	0.00	0
Discharge Transition and Thrust Blocks	CY	1	102	102	78.00	7,956	86.00	8,772	0.00	0
Discharge Structure - Reinforced Concrete	CY	1	187	187	78.00	14,547	86.00	16,039	0.00	0
Discharge Structure - Concrete Stop Logs	CY	1	12	12	78.00	897	86.00	989	0.00	0
Subtotal						75,626		25,800		0
Station Structures										
Substructure Reinforced Concrete - Miscellaneous	CY	1	192	192	78.00	14,937	86.00	16,469	0.00	0

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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
Structural Steel-Main Steel-incl. crane and elevator	TN	1	292	292	198.00	57,887	0.00	0	120.00	35,083
Steel - Hand Railing and Miscellaneous	TN	1	54	54	264.00	14,256	0.00	0	120.00	6,480
Battery and Control Room - Conc Blocks(895)	CY	1	15	15	31.20	458	86.00	1,262	0.00	0
Station Floors - Reinforced Concrete	CY	1	175	175	78.00	13,650	86.00	15,050	0.00	0
Station Roof - Hol-O-Rib Steel Framing	TN	1	4	4	426.00	1,559	0.00	0	120.00	439
Station Crane - Colby 50/15 Ton Gantry Crane	TN	1	25	25	198.00	4,950	0.00	0	120.00	3,000
Station Elevator - Westinghouse 1200 lb capacity	TN	1	9	9	264.00	2,376	0.00	0	120.00	1,080
Hydrogen Storage Shelter - Concrete	CY	1	7	7	31.20	232	86.00	640	0.00	0
Miscellaneous Grating and Steel Plates	TN	1	54	54	426.00	22,906	0.00	0	120.00	6,452
Subtotal						133,211		33,420		52,535
Total Account 341						709,359		950,719		130,824
FERC Account 342										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Swing Tank (abandoned in place) (6,000 BBI)	TN	1	27	27	n/a	16,020	0.00	0	120.00	3,199
Boiler Blowdown Tank (6,000 BBI)	TN	1	27	27	n/a	16,020	0.00	0	120.00	3,199
Soil Remediation - Swing & Boiler Blowdown Tanks	EA	0	n/a	n/a	n/a	0	n/a	20,686	n/a	0
Tanks - Foundations for both - concrete	CY	0	n/a	n/a	n/a	0	n/a	50,422	n/a	0
Condensate Tank - 12,000 BBLs - Removal & Cleaning	BBLs	1	12,000	12,000	n/a	16,020	n/a	0	0.00	0
Demolition of Foundation	EA	0.00	n/a	n/a	n/a	n/a	n/a	33,183	0.00	0
Soil Remediation	EA	0.00	n/a	n/a	n/a	n/a	n/a	13,613	0.00	0
Subtotal						48,060		117,904		6,398
Boiler Plant Auxiliaries										
H.P. Feedwater Heater #1	TN	1	24	24	198.00	4,653	0.00	0	120.00	2,820
H.P. Feedwater Heater #2	TN	1	21	21	198.00	4,237	0.00	0	120.00	2,568
I.P. Feedwater Heater #3	TN	1	8	8	198.00	1,564	0.00	0	120.00	948
L.P. Feedwater Heater #4	TN	1	10	10	198.00	2,039	0.00	0	120.00	1,236
L.P. Feedwater Heater #5	TN	1	10	10	198.00	2,039	0.00	0	120.00	1,236
L.P. Feedwater Heater #6	TN	1	15	15	198.00	3,000	0.00	0	120.00	1,818
Condensate Storage Tank - 60,000 Gal	TN	1	20	20	264.00	5,193	0.00	0	120.00	2,360
Condensate Storage Tank Foundation	CY	1	12	12	78.00	967	86.00	1,066	0.00	0
Condensate Recovery Tank - 2,600 Gal	TN	1	2	2	264.00	396	0.00	0	120.00	180
Condensate Recovery Tank Foundation	CY	1	4	4	78.00	276	86.00	304	0.00	0
Condensate Collecting Cooler	TN	1	1	1	264.00	264	0.00	0	120.00	120
Blowdown/flash tank	TN	1	3	3	264.00	660	0.00	0	120.00	300
Condensate Pump motor	TN	3	3	10	264.00	2,534	0.00	0	120.00	1,152
Condensate Pump	TN	3	2	5	264.00	1,188	0.00	0	120.00	540
Instrument Air Compressors	TN	2	4	7	264.00	1,848	0.00	0	120.00	840
Miscellaneous Steel and Equipment	TN	1	7	7	264.00	1,724	0.00	0	120.00	784
Subtotal						32,583		1,371		16,902
Boiler Plant Piping										
Condensate and Air Evaporation	TN	1	47	47	264.00	12,490	0.00	0	120.00	5,677
Subtotal						12,490		0		5,677
Total Account 342						93,133		119,275		28,978

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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
FERC Account 344										
Turbo-Generator Units										
Pedestal - Reinforced Concrete	CY	1	993	993	78.00	77,454	86.00	85,398	0.00	0
Turbo-Generator Unit	TN	1	534	534	150.00	80,055	0.00	0	120.00	64,044
Turbine Piping	TN	1	207	207	198.00	41,026	0.00	0	120.00	24,864
Turbine Copper	TN	1	48	48	588.00	28,224	0.00	0	5,000.00	240,000
Turbine Enclosure	TN	1	15	15	198.00	2,921	0.00	0	120.00	1,770
Miscellaneous Steel and Equipment	TN	1	15	15	264.00	3,989	0.00	0	120.00	1,813
Turbine Insulation	CY	250	1	250	60.00	15,000	11.00	2,750	0.00	0
Subtotal						248,668		88,148		332,491
Condensers and Auxiliaries										
Condenser Shell	TN	1	285	285	198.00	56,430	0.00	0	120.00	34,200
Condenser - Aluminum-Brass Tubes	TN	1	86	86	426.00	36,423	0.00	0	2,800.00	239,400
Condenser Foundation - Reinforced Concrete	CY	1	18	18	78.00	1,404	86.00	1,548	0.00	0
Circulating Water Pumps - 58,000 gpm(incl. motors)	TN	2	30	59	264.00	15,576	0.00	0	120.00	7,080
Circulating Water Piping - Cast Iron, incl. valves	TN	1	95	95	264.00	24,966	0.00	0	120.00	11,348
Condensate Pumps - 12" suction, 8" dischrg(incl. mtrs)	TN	3	16	48	264.00	12,648	0.00	0	120.00	5,749
Condensate Pump - Foundation - RI Concrete	CY	1	11	11	78.00	819	86.00	903	0.00	0
Insulation	CY	1	125	125	78.00	9,750	0.00	0	0.00	0
Turbine Oil Resvoir	TN	1	47	47	264.00	12,408	0.00	0	120.00	5,640
Lube Oil Storage Tank (Bowser)	TN	0	24	0	264.00	0	0.00	0	120.00	0
Miscellaneous Steel and Equipment	TN	1	13	13	264.00	3,395	0.00	0	120.00	1,543
Subtotal						173,820		2,451		304,961
Total Account 344						422,488		90,599		637,452
FERC Account 345										
Accessory Electrical Equipment										
Foundations & Structures										
Main Generator Leads & Enclosures(Copper)	TN	1	10	10	720.00	7,200	0.00	0	5,000.00	50,000
Manholes and Hanholes - Concrete	CY	1	118	118	31.20	3,666	86.00	10,105	0.00	0
Transformer(start-up) Foundations - Concrete	CY	1	16	16	78.00	1,248	86.00	1,376	0.00	0
Switchgear Foundations - Concrete	CY	1	43	43	78.00	3,315	86.00	3,655	0.00	0
Load Control Centers Foundations - Concrete	CY	1	53	53	78.00	4,095	86.00	4,515	0.00	0
Aux Power Transformer - 7,500 kva	TN	1	17	17	426.00	7,233	0.00	0	120.00	2,038
Startup Transformer	TN	1	20	20	426.00	8,644	0.00	0	120.00	2,435
Station Service Transformer	TN	4	3	12	426.00	4,942	0.00	0	120.00	1,392
Transformer Copper	TN	1	16	16	444.00	7,135	0.00	0	5,000.00	80,350
Transformer - Unloading Dock	TN	1	2	2	426.00	724	0.00	0	120.00	204
Storage Battery	TN	1	3	3	426.00	1,278	0.00	0	120.00	360
Underground Ducts - Concrete	CY	1	401	401	78.00	31,239	86.00	34,443	0.00	0
Conduit - rigid alum. - 3" to 5"	TN	1	43	43	426.00	18,190	0.00	0	1,340.00	57,218
Exposed Conduits and CableTrays	TN	1	87	87	426.00	36,994	0.00	0	1,340.00	116,366
Buswork and Copper Tubing	TN	1	1	1	426.00	426	0.00	0	5,000.00	5,000
Load and Motor Control Centers	TN	1	5	5	426.00	1,917	0.00	0	120.00	540
Power/Control Wiring - 135,300 ft.	TN	1	85	85	720.00	60,883	0.00	0	2,100.00	177,576
Main Control Board for B-T-G	TN	0	3	0	426.00	0	0.00	0	120.00	0
Switchgear - 2,400v Metalclad	TN	1	20	10	426.00	4,260	0.00	0	120.00	1,200
Switchgear - 480v Metalclad	TN	1	18	9	426.00	3,834	0.00	0	120.00	1,080
Subtotal						207,223		54,094		495,758

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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
Transformers										
Lighting Transformers	TN	1	5	5	426.00	2,207	0.00	0	120.00	622
Subtotal						2,207		0		622
Total Account 345						209,430		54,094		496,380
TOTAL FT. MYERS COMMON						1,434,410		1,214,687		1,293,633
FORT MYERS COMBINED CYCLE UNIT 2										
FERC Account 341										
Site Sewer System										
Storm Sewers and Drains - Concrete(8" - 48")	CY	1	55	55	78.00	4,259	86.00	4,696	0.00	0
Floor Drains, Sump Pumps & Oily Sep. - 6" CI Pipe	TN	1	73	73	360.00	26,370	0.00	0	120.00	8,790
Oil Separator	CY	1	38	38	78.00	2,964	86.00	3,268	0.00	0
Subtotal						33,593		7,964		8,790
Fuel Oil System/Area										
Fuel Oil Storage Tank - 180,000 BBLS	TN	1	534	534	n/a	32,040	0.00	0	120.00	64,080
Fuel Oil Storage Tank - Cleaning	EA	0	n/a	n/a	n/a	0	n/a	177,208	0.00	0
Soil Remediation	EA	0	n/a	n/a	n/a	0	n/a	88,351	0.00	0
Subtotal						32,040		265,559		64,080
Service Water and Raw Water Systems										
Water Treatment - Area Slab - Concrete	CY	1	167	167	78.00	13,026	86.00	14,362	0.00	0
Water Treatment - Chlorination System	TN	1	2	2	264.00	528	0.00	0	120.00	240
Fire Protection Piping - CI 2.5" to 8"	TN	1	5	5	360.00	1,814	0.00	0	120.00	605
Raw Water Storage Tank - 100,000 gal.	TN	1	27	27	264.00	7,239	0.00	0	120.00	3,290
Service Water - Cast Iron Piping - 4" to 6"	TN	1	34	34	360.00	12,110	0.00	0	120.00	4,037
Subtotal						34,718		14,362		8,172
Intake System										
Intake Structure - Reinforced Concrete	CY	1	1,273	1,273	78.00	99,294	86.00	109,478	0.00	0
Intake Structure - Structural Steel(incl. crane)	TN	1	46	46	198.00	9,108	0.00	0	120.00	5,520
Intake Structure - Wingwall Cap & Crane Rail Pads	CY	1	106	106	78.00	8,268	86.00	9,116	0.00	0
Intake Structure - Traveling Water Screens	TN	2	16	32	264.00	8,353	0.00	0	120.00	3,797
Intake Structure - Screen Wash Pumps	TN	2	4	8	264.00	2,112	0.00	0	120.00	960
Intake Structure - Concrete Stop Logs	CY	1	12	12	78.00	897	86.00	989	0.00	0
Intake Cooling Water Pump Motors	TN	2	2	4	264.00	1,056	0.00	0	120.00	480
Intake Cooling Water Pumps	TN	2	1	2	264.00	528	0.00	0	120.00	240
Intake Structure - Hoists/Crane	TN	1	4	4	264.00	924	0.00	0	120.00	420
Intake Conduit - Reinforced Concrete Pipe, 78"	CY	1	45	45	299.00	13,437	0.00	0	0.00	0
Intake Transition Blocks - Concrete	CY	1	346	346	78.00	26,988	86.00	29,756	0.00	0
Intake Screen Refuse Line - Concrete Pipe	CY	1	507	507	78.00	39,520	86.00	43,574	0.00	0
Intake Screen Refuse Line - Cast Iron Pipe	TN	1	2	2	360.00	842	0.00	0	120.00	281
Subtotal						211,328		192,913		11,698
Discharge System										
Discharge Conduit - 78" Reinforced Concrete Pipe	CY	1	213	213	299.00	63,825	0.00	0	0.00	0
Discharge Transition and Thrust Blocks	CY	1	401	401	78.00	31,278	86.00	34,486	0.00	0
Discharge Structure - Reinforced Concrete	CY	1	427	427	78.00	33,306	86.00	36,722	0.00	0
Discharge Structure - Concrete Stop Logs	CY	1	12	12	78.00	897	86.00	989	0.00	0

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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
Subtotal						129,306		72,197		0
Station Structures										
Substructure concrete footings, piers, beams	TN	1	253	253	78.00	19,734	86.00	21,758	0.00	0
Substructure Reinforced Concrete - Miscellaneous	CY	1	1,946	1,946	78.00	151,788	86.00	167,356	0.00	0
Structural Steel - Main Steel	TN	1	297	297	198.00	58,806	0.00	0	120.00	35,640
Steel - Hand Railing and Miscellaneous	TN	1	162	162	264.00	42,768	0.00	0	120.00	19,440
Station Floors & Roof - Reinforced Concrete	CY	1	187	187	78.00	14,586	86.00	16,082	0.00	0
Station Crane - Colby 50/15 Ton Gantry Crane	TN	1	35	35	198.00	6,930	0.00	0	120.00	4,200
Station Elevator - Westinghouse 1200 lb capacity	TN	1	9	9	264.00	2,376	0.00	0	120.00	1,080
Boiler Feed Pump Room - Concrete Block and Roof	CY	1	127	127	31.20	3,948	86.00	10,883	0.00	0
Forced Draft Room - Concrete	CY	1	354	354	31.20	11,057	86.00	30,477	0.00	0
Diesel Generator Building - Concrete	CY	1	25	25	31.20	780	86.00	2,150	0.00	0
Emergency Diesel Generators	TN	2	8	16	264.00	4,224	0.00	0	120.00	1,920
Hydrogen Storage Shelter - Concrete	CY	1	17	17	31.20	529	86.00	1,459	0.00	0
Air Intake Labyrinths - Steel	TN	1	27	27	264.00	7,128	0.00	0	120.00	3,240
Subtotal						324,654		250,165		65,520
Total Account 341						765,638		803,160		158,260
FERC Account 342										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Boiler Plant Auxiliaries										
Boiler Feed Pumps	TN	2	27	54	264.00	14,256	0.00	0	120.00	6,480
Boiler Feed Pump Motors	TN	2	11	21	264.00	5,544	0.00	0	120.00	2,520
Condensate Storage Tank - 150,000 Gal	TN	1	54	54	264.00	14,269	0.00	0	120.00	6,486
Condensate Storage Tank Foundation	CY	1	130	130	78.00	10,140	86.00	11,180	0.00	0
Condensate Recovery Tank	TN	2	1	3	264.00	766	0.00	0	120.00	348
Condensate Recovery Tank Foundation	CY	2	4	7	78.00	554	86.00	611	0.00	0
Condensate Recovery Cooler	TN	1	1	1	264.00	264	0.00	0	120.00	120
Condensate Transfer Pump Motors	TN	2	4	8	264.00	2,125	0.00	0	120.00	966
Miscellaneous Steel and Equipment	TN	1	10	10	264.00	2,640	0.00	0	120.00	1,200
Subtotal						50,558		11,791		18,120
Boiler Chemical Cleaning System										
Lime Slurry Mixing Tank - 4,000 Gal	TN	1	1	1	426.00	613	0.00	0	120.00	173
Caustic Solution Tank - 4,000 Gal	TN	1	1	1	426.00	613	0.00	0	120.00	173
Subtotal						1,227		0		346
Total Account 342						51,785		11,791		18,466
FERC Account 343										
Power Movers										
Heat Recovery Steam Generator Structure (HRSG)										
Generator Terminal Enclosure	TN	6	10.50	63.00	264.00	16,632	0.00	0	120.00	7,560
Concrete	CY	1	105.00	105.00	78.00	8,190	86.00	9,030	0.00	0
						24,822		9,030		7,560
HRSG Enclosures										

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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
Combustion Turbine Inlet Filter	TN	6	23.00	138.00	264.00	36,432	0.00	0	120.00	16,560
Combustion Turbine Inlet Duct	TN	6	225.00	1,350.00	264.00	356,400	0.00	0	120.00	162,000
SGF HRSG Vents & Drains Pump	TN	3	0.50	1.50	264.00	396	0.00	0	120.00	180
Supporting Steel	TN	6	10.50	63.00	264.00	16,632	0.00	0	120.00	7,560
Concrete	CY	1	1,600.00	1,600.00	78.00	124,800	86.00	137,600	0.00	0
						534,660		137,600		186,300
<u>HRSG Pressure Parts</u>										
Heat Recovery Steam Generator	TN	6	3,495.50	20,973.00	198.00	4,152,654	0.00	0	120.00	2,516,760
Concrete	CY	1	17,025.00	17,025.00	78.00	1,327,950	86.00	1,464,150	0.00	0
						5,480,604		1,464,150		2,516,760
<u>Industrial Gas Turbine</u>										
Gas Turbine	TN	6	188.50	1,131.00	198.00	223,938	0.00	0	120.00	135,720
Concrete	CY	1	925.00	925.00	78.00	72,150	86.00	79,550	0.00	0
						296,088		79,550		135,720
<u>Stm Gen/Blr/HRSG Blowdown Cooling System</u>										
WSA Blowdown Pump	TN	2	0.44	0.88	264.00	232	0.00	0	120.00	106
						232		0		106
<u>Reheat System</u>										
HRH Hot Reheat Valves	TN	24	2.50	60.00	264.00	15,840	0.00	0	120.00	7,200
						15,840		0		7,200
<u>Steam Turbine</u>										
Generator	TN	6	260.00	1,560.00	150.00	234,000	0.00	0	120.00	187,200
High Pressure Steam Valves	TN	24	1.75	42.00	264.00	11,088	0.00	0	120.00	5,040
Miscellaneous Valves	TN	3675	0.01	36.75	264.00	9,702	0.00	0	120.00	4,410
Concrete	CY	3	1,400.00	4,200.00	78.00	327,600	86.00	361,200	0.00	0
						582,390		361,200		196,650
<u>Condensate Transfer System</u>										
WSI Emergency Condensate Pump	TN	1	3.25	3.25	264.00	858	0.00	0	120.00	390
Concrete	CY	1	3.75	3.75	78.00	293	86.00	323	0.00	0
						1,151		323		390
<u>Condenser Air Removal System</u>										
CAB Air Compressor	TN	3	4.40	13.20	264.00	3,485	0.00	0	120.00	1,584
HRB Condenser Air Extraction Hogger	TN	2	9.15	18.30	264.00	4,831	0.00	0	120.00	2,196
HRB Condenser Air Extraction Ejector	TN	2	3.75	7.50	264.00	1,980	0.00	0	120.00	900
Concrete	CY	1	12.00	12.00	78.00	936	86.00	1,032	0.00	0
						11,232		1,032		4,680
<u>Condenser Cooling Water Pump System</u>										
FWF Condensate Storage & Makeup Pump	TN	3	0.44	1.32	264.00	348	0.00	0	120.00	158
FWC Condensate Pump	TN	3	8.80	26.40	264.00	6,970	0.00	0	120.00	3,168
Concrete	CY	1	40.00	40.00	78.00	3,120	86.00	3,440	0.00	0
						10,438		3,440		3,326
<u>Air Cooling System, G.T.</u>										
Cooling Fan Module	TN	6	4.25	25.50	264.00	6,732	0.00	0	120.00	3,060

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Removal, Disposal & Salvage Cost Worksheet					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
	Unit of Measure	Number of Components	Units of Measure per Component	Total Units of Measure						
Concrete	CY	1	30.00	30.00	78.00	2,340	86.00	2,580	0.00	0
						9,072		2,580		3,060
Component/Closed Cooling Water System										
ECB Closed Cooling Water Spray Pumps	TN	6	1.20	7.20	264.00	1,901	0.00	0	120.00	864
ECB Closed Cooling Pumps	TN	4	3.20	12.80	264.00	3,379	0.00	0	120.00	1,536
ECB Closed Cooling Water Cooling Tower	TN	2	58.10	116.20	264.00	30,677	0.00	0	120.00	13,944
Fuel Gas Heat Exchangers	TN	6	13.50	81.00	264.00	21,384	0.00	0	120.00	9,720
Concrete	CY	1	335.00	335.00	78.00	26,130	86.00	28,810	0.00	0
Subtotal						83,471		28,810		26,064
Total Account 343						7,050,000		2,087,715		3,087,816
FERC Account 344										
Turbo-Generator Units										
Pedestal - Reinforced Concrete	CY	1	1,783	1,783	78.00	139,074	86.00	153,338	0.00	0
Turbine - Rotor	TN	1	118	118	150.00	17,679	0.00	0	120.00	14,143
Turbine - Stator	TN	1	201	201	150.00	30,219	0.00	0	120.00	24,175
Stator Cooling Liquid Unit	TN	1	10	10	198.00	1,980	0.00	0	120.00	1,200
Terminal Box and Bushings	TN	1	10	10	198.00	1,976	0.00	0	120.00	1,198
Outer Shield - Upper Turbine end	TN	1	4	4	150.00	588	0.00	0	120.00	470
Outer Shield - Lower End	TN	1	6	6	150.00	867	0.00	0	120.00	694
Hydrogen Seal unit	TN	1	3	3	150.00	438	0.00	0	120.00	350
H.P. Upper Shell	TN	1	57	57	150.00	8,511	0.00	0	120.00	6,809
H.P. Lower Shell	TN	1	73	73	150.00	11,016	0.00	0	120.00	8,813
Exh. Hood - Upper	TN	1	32	32	150.00	4,818	0.00	0	120.00	3,854
Exh. Hood - Lower	TN	1	88	88	150.00	13,166	0.00	0	120.00	10,532
Inner Casing - Upper	TN	1	52	52	150.00	7,862	0.00	0	120.00	6,289
Inner Casing - Lower	TN	1	38	38	150.00	5,667	0.00	0	120.00	4,534
Inner Shell - HP Upper	TN	1	14	14	150.00	2,115	0.00	0	120.00	1,692
Inner Shell - HP Lower	TN	1	16	16	150.00	2,399	0.00	0	120.00	1,919
Inner Shell #2 - Upper	TN	1	6	6	150.00	935	0.00	0	120.00	748
Inner Shell #2 - Lower	TN	1	6	6	150.00	935	0.00	0	120.00	748
Turbine Stop Valves	TN	1	38	38	198.00	7,459	0.00	0	120.00	4,520
Turbine Combination/Reheat Valves	TN	2	26	52	198.00	10,332	0.00	0	120.00	6,262
Turbine Piping	TN	1	260	260	198.00	51,480	0.00	0	120.00	31,200
Turbine Insulation	CY	1	210	210	60.00	12,600	0.00	0	0.00	0
Turbine Enclosure	TN	1	37	37	198.00	7,277	0.00	0	120.00	4,410
Turbine Copper	TN	1	60	60	588.00	35,280	0.00	0	5,000.00	300,000
Miscellaneous Steel and Equipment	TN	1	23	23	264.00	6,120	0.00	0	120.00	2,782
Turbine Generator Mat - concrete	CY	1	60	60	78.00	4,680	86.00	5,160	0.00	0
Subtotal						385,469		158,498		437,341
Condensers and Auxiliaries										
Condenser Shell	TN	1	868	868	198.00	171,765	0.00	0	120.00	104,100
Condenser - Aluminum-Brass Tubes	TN	1	215	215	426.00	91,377	0.00	0	2,800.00	600,600
Condenser Foundation - Reinforced Concrete	CY	1	110	110	78.00	8,580	86.00	9,460	0.00	0
Circulating Water Pumps - 58,000 gpm	TN	2	49	97	264.00	25,887	0.00	0	120.00	11,676
Circulating Water Pump Motors	TN	2	16	32	264.00	8,316	0.00	0	120.00	3,780
Condensate Pumps - 12" suction, 8" dischrg(incl mtrs)	TN	2	15	30	264.00	7,962	0.00	0	120.00	3,619
Condensate Pump - Foundation - RI Concrete	CY	1	11	11	78.00	881	86.00	972	0.00	0
Turbine Oil Conditioner	TN	1	2	2	264.00	560	0.00	0	120.00	254

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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
Turbine Lube Oil Coolers	TN	1	4	4	264.00	1,119	0.00	0	120.00	509
Hydrogen Coolers	TN	4	2	9	264.00	2,286	0.00	0	120.00	1,039
Bearing Cooling Water Pump Motor	TN	2	1	3	264.00	713	0.00	0	120.00	324
Lube Oil Storage Tank	TN	1	24	24	264.00	6,204	0.00	0	120.00	2,820
Miscellaneous Steel and Equipment	TN	1	26	26	264.00	6,761	0.00	0	120.00	3,073
H2 and Co2 Piping	TN	1	1	1	426.00	435	0.00	0	120.00	122
Subtotal						332,646		10,432		731,917
Total Account 344						718,115		168,930		1,169,258
FERC Account 345										
Accessory Electrical Equipment										
Foundations & Structures										
Main Generator Leads & Enclosures(aluminum)	TN	1	15	15	720.00	10,800	0.00	0	1,340.00	20,100
Manholes and Hanholes - Concrete	CY	1	201	201	31.20	6,271	86.00	17,286	0.00	0
Transformer Foundations - Concrete	CY	1	50	50	78.00	3,900	86.00	4,300	0.00	0
Switchgear Foundations - Concrete	CY	1	30	30	78.00	2,340	86.00	2,580	0.00	0
Load Control Centers Foundations - Concrete	CY	1	30	30	78.00	2,340	86.00	2,580	0.00	0
Aux Power Transformer - 7,500 kva	TN	1	37	37	426.00	15,558	0.00	0	120.00	4,382
Startup Transformer	TN	1	42	42	426.00	18,054	0.00	0	120.00	5,086
Station Service Transformer	TN	2	3	6	426.00	2,471	0.00	0	120.00	696
Transformer Copper	TN	1	33	33	444.00	14,528	0.00	0	5,000.00	163,600
Storage Battery	TN	1	3	3	426.00	1,278	0.00	0	120.00	360
Underground Ducts - Concrete	CY	1	782	782	78.00	60,996	86.00	67,252	0.00	0
Conduit - rigid alum	TN	1	21	21	426.00	9,129	0.00	0	1,340.00	28,716
Underground Conduit	CY	1	4	4	31.20	123	86.00	338	0.00	0
Exposed Conduits and Trays	TN	1	5	5	426.00	2,326	0.00	0	1,340.00	7,316
Buswork and Copper tubing	TN	1	2	2	426.00	639	0.00	0	5,000.00	7,500
Motor Control Centers	TN	1	3	3	426.00	1,278	0.00	0	120.00	360
Power/Control Wiring - 390,000 ft.	TN	1	244	244	720.00	175,500	0.00	0	2,100.00	511,875
Main Control Board for B-T-G	TN	1	3	3	426.00	1,278	0.00	0	120.00	360
Switchgear - 4,160v Metalclad	TN	1	20	10	426.00	4,260	0.00	0	120.00	1,200
Switchgear - 480v Metalclad	TN	1	18	18	426.00	7,668	0.00	0	120.00	2,160
Total Account 345						340,736		94,336		753,712
FERC Account 346										
Miscellaneous Power Plant Equipment										
Service Air Compressor	TN	0	8	0	264.00	0	0.00	0	120.00	0
Air Compressor - Concrete Foundation	CY	0	7	0	78.00	0	86.00	0	0.00	0
Total Account 346						0		0		0
TOTAL FT. MYERS UNIT 2						8,926,274		3,165,931		5,187,511
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

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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
Unit 3A & 3B										
Account 342: Fuel Holders										
Light Oil Tank - LO 1/A Tank 48,000 BBLs	TN	0	220.00	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	0	n/a	n/a	n/a	0	n/a	0	n/a	0
Light Oil Tank - Soil Remediation	EA	0	n/a	n/a	n/a	0	n/a	0	n/a	0
Demolition of Foundation	EA	0	n/a	n/a	n/a	0	n/a	0	n/a	0
Account 342 Totals						0		0		0
Account 343: Prime Movers										
Gas Turbine	TN	2	190.00	380.00	150.00	57,000	0.00	0	120.00	45,600
Generator	TN	2	1,060	2,120.00	150.00	318,000	0.00	0	120.00	254,400
Accessory Module	TN	2	176	352.00	264.00	92,928	0.00	0	120.00	42,240
Enclosures & Barriers	TN	2	248	496.00	264.00	130,944	0.00	0	120.00	59,520
PECC	TN	2	105	210.00	264.00	55,440	0.00	0	120.00	25,200
Collector Cab	TN	2	40	80.00	264.00	21,120	0.00	0	120.00	9,600
Colling Fan Module	TN	2	29.00	58.00	264.00	15,312	0.00	0	120.00	6,960
GEC W/LCI	TN	2	150	300.00	264.00	79,200	0.00	0	120.00	36,000
CT Inlet Filter	TN	2	300	600.00	264.00	158,400	0.00	0	120.00	72,000
CT Inlet Duct & Support Steel	TN	2	370	740.00	264.00	195,360	0.00	0	120.00	88,800
Exhaust Duct System	TN	2	962.00	1,924.00	264.00	507,936	0.00	0	120.00	230,880
Liquid Fuel & Atomizing Air	TN	2	172.00	344.00	264.00	90,816	0.00	0	120.00	41,280
Water Wash Skid	TN	2	17.00	34.00	264.00	8,976	0.00	0	120.00	4,080
Bus & Equipment	TN	1	23	22.50	264.00	5,940	0.00	0	120.00	2,700
Concrete	CY	1	7,169	7,169.00	264.00	1,892,616	86.00	616,534	0.00	0
Inlet Gas Scrubbing	TN	2	1	2.60	264.00	686	0.00	0	120.00	312
Miscellaneous Structural Steel	TN	2	5	10.00	264.00	2,640	0.00	0	120.00	1,200
Cooling Package Assembly	TN	2	10	20.00	264.00	5,280	0.00	0	120.00	2,400
Diffuser	TN	2	15	30.00	264.00	7,920	0.00	0	120.00	3,600
Package Piping	TN	2	42	84.00	264.00	22,176	0.00	0	120.00	10,080
Storm Water Pumps	TN	1	3	2.72	264.00	717	0.00	0	120.00	326
Air compressor	TN	2	4	8.84	264.00	2,334	0.00	0	120.00	1,061
Water Cooling Unit	TN	2	102	204.00	264.00	53,856	0.00	0	120.00	24,480
Fuel Gas Heat Exchangers	TN	2	14	27.00	264.00	7,128	0.00	0	120.00	3,240
Miscellaneous Valves	TN	1	1	1.10	264.00	290	0.00	0	120.00	132
						3,733,016		616,534		966,091
Condensate System										
Condensate System 2" & < - Pipe	TN	1,377	4,131.00	2.07	264.00	545	0.00	0	120.00	248
Condensate System 2 1/2" & > - Pipe	TN	1,469	161,590.00	80.80	198.00	15,997	0.00	0	120.00	9,695
L/B Condensate Piping - Insulation	CY	2,016	0.02	33.60	60.00	2,016	11.00	370	0.00	0
Condenser Vacuum Pump Skid & Equip	TN	1	2,500.00	1.25	198.00	248	0.00	0	120.00	150
Condensate Storage Tank Fdn	CY	14	14.00	14.00	78.00	1,092	86.00	1,204	0.00	0
Condensate Make-Up Pumps	TN	1	1,500	0.75	198.00	149	0.00	0	120.00	90
HRSG Chemical Fd. System 2" & < - Pipe	TN	680	2,040.00	1.02	264.00	269	0.00	0	120.00	122
HRSG Chemical Feed Skids	TN	1	15,000	7.50	198.00	1,485	0.00	0	120.00	900
Lube Oil Storage Tanks	TN	1	8,520	3.26	198.00	645	0.00	0	120.00	391
Miscellaneous Process Tanks	TN	2	10,600.00	5.30	198.00	1,049	0.00	0	120.00	636
Condensate Transfer System 2" & < - Pipe	TN	1,434	4,302.00	2.15	264.00	568	0.00	0	120.00	258
Condensate Transfer System 2 1/2" & > - Pipe	TN	3,244	97,320.00	48.66	198.00	9,635	0.00	0	120.00	5,839
Condensate Pumps	TN	2	4,780.00	2.39	198.00	473	0.00	0	120.00	287
Condensate Transfer Pumps	TN	2	4,780.00	2.39	198.00	473	0.00	0	120.00	287

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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
Condensate Storage Tanks	TN	1	2,390.00	1.20	198.00	237	0.00	0	120.00	143
Bulk Gas System 2" & < - Pipe	TN	3,861	11,583.00	5.79	264.00	1,529	0.00	0	120.00	695
Condensers	TN	1	528,800	264.40	198.00	52,351	0.00	0	5,000.00	1,322,000
Gland Steam Condensers	TN	1	5,000	2.50	198.00	495	0.00	0	120.00	300
Condensate Air Rem System 2" & < - Pipe	TN	839	2,517.00	1.26	264.00	332	0.00	0	120.00	151
Condensate Air Rem System 2 1/2" & > - Pipe	TN	235	7,050.00	3.53	198.00	698	0.00	0	120.00	423
						90,287		1,574		1,342,616
Account 343 Prime Movers Total						3,823,302		618,108		2,308,707
Account 345: Accessory Electric Equipment										
Electrical Power Cable	TN	2	5.00	10.00	264.00	1,320	0.00	0	120.00	1,200
Electrical Control Cable	TN	2	3	5.00	264.00	660	0.00	0	120.00	600
Station Transformer	TN	2	39	77.00	264.00	10,164	0.00	0	120.00	9,240
CT Step-up Transformer	TN	2	47	93.12	264.00	12,292	0.00	0	120.00	11,174
Control Center-off base	TN	2	27	54.00	264.00	7,128	0.00	0	120.00	6,480
Miscellaneous Materials + 5%	TN	1	1,987	1,986.61	264.00	524,464	0.00	0	120.00	238,393
						556,028		0		267,087
Unit 3 Totals						4,379,331		618,108		2,575,794
FT. MYERS GAS TURBINES										
FERC Account 341										
Structures and Improvements										
Yard Lighting	TN	1	3	3	426.00	1,172	0.00	0	120.00	330
Maintenance Facility - Overhead Crane - Steel	TN	1	13	13	264.00	3,300	0.00	0	120.00	1,500
Maintenance Facility - Structural Steel	TN	1	45	45	264.00	11,880	0.00	0	120.00	5,400
Maintenance Facility - Concrete foundation	CY	1	23	23	78.00	1,817	86.00	2,004	0.00	0
Yard Drainage Pumps	TN	3	2	5	264.00	1,188	0.00	0	120.00	540
Yard Drainage Piping	TN	1	10	10	360.00	3,474	0.00	0	120.00	1,158
Service Building - structural Steel	TN	1	10	10	426.00	4,260	0.00	0	120.00	1,200
Service Building - Concrete Foundation	CY	1	188	188	78.00	14,625	86.00	16,125	0.00	0
Oily Separator - concrete	CY	1	13	13	78.00	995	86.00	1,097	0.00	0
Total Account 341						42,710		19,225		10,128
FERC Account 342										
Fuel Holders, Producers and Accessories										
Fuel Storage Tanks - 1 @ 180,000 BBLs	TN	1	540	540	n/a	32,040	0.00	0	120.00	64,800
Fuel Storage Tank - Soil Remediation					n/a	0	n/a	37,865	0.00	0
Fuel Transfer Pumps - at dock and dock piping	TN	1	4	4	264.00	1,056	0.00	0	120.00	480
Light Oil Piping - Dock to Tanks	TN	1	108	108	264.00	28,480	0.00	0	120.00	12,946
Fuel Pumping Stations - Concr. Foundation(ea. GT)	CY	12	13	160	78.00	12,480	86.00	13,760	0.00	0
Fuel Pumping Stations - Piping & Pumps(ea. GT)	TN	12	4	42	426.00	17,892	0.00	0	120.00	5,040
Total Account 342						91,948		51,625		83,266
FERC Account 343										
Prime Movers										
Inlet Duct Arrangement	TN	12	60	720	264.00	190,080	0.00	0	120.00	86,400
Control Compartment	TN	12	24	288	264.00	76,032	0.00	0	120.00	34,560
Accessory Compartment	TN	12	42	498	264.00	131,472	0.00	0	120.00	59,760

FT. MYERS

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo- nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Radiator Fan Assembly	TN	12	3	40	264.00	10,454	0.00	0	120.00	4,752
Coupling and Guards accessory	TN	12	0	3	264.00	665	0.00	0	120.00	302
Gas Turbine Compartment	TN	12	139	1,669	264.00	440,510	0.00	0	120.00	200,232
Air Turbine Duct Compartment	TN	12	0	4	264.00	1,172	0.00	0	120.00	533
Aircostat - Turbine Compartment	TN	12	0	3	264.00	855	0.00	0	120.00	389
Frame, Side inlet	TN	12	3	30	264.00	7,920	0.00	0	120.00	3,600
Enclosure - turbine	TN	12	1	9	264.00	2,376	0.00	0	120.00	1,080
Exhaust /system Arrangement	TN	12	87	1,038	264.00	274,032	0.00	0	120.00	124,560
Bus duct	TN	12	2	19	264.00	5,069	0.00	0	120.00	2,304
Protected Aisle	TN	12	4	42	264.00	11,088	0.00	0	120.00	5,040
Unit Structural Steel - each GT	TN	12	60	720	264.00	190,080	0.00	0	120.00	86,400
Unit Concrete foundation - each GT	CY	12	162	1,941	78.00	151,426	86.00	166,957	0.00	0
Insulation - Fiberglass	CY	12	280	3,360	60.00	201,600	11.00	36,960	0.00	0
Total Account 343						<u>1,694,832</u>		<u>203,917</u>		<u>609,912</u>
FERC Account 344										
Generators										
Generator - Electric	TN	12	148	1,773	264.00	468,072	0.00	0	120.00	212,760
Generator - Copper	TN	1	29	29	588.00	17,052	0.00	0	5,000.00	145,000
Excitation	TN	12	7	84	264.00	22,176	0.00	0	120.00	10,080
Insulation - Fiberglass	CY	12	70	840	60.00	50,400	11.00	9,240	0.00	0
Total Account 344						<u>557,700</u>		<u>9,240</u>		<u>367,840</u>
FERC Account 345										
Accessory Electric Equipment										
Structural Supports	TN	1	9	9	264.00	2,376	0.00	0	120.00	1,080
Transformers - Lighting	TN	1	1	1	426.00	426	0.00	0	120.00	120
Main Transformers - one per two GTs	TN	6	30	180	264.00	47,520	0.00	0	120.00	21,600
Cranking Motor Transformers - one per two GTs	TN	6	4	23	264.00	6,146	0.00	0	120.00	2,794
Aux Transformers - one per two GTs	TN	6	2	14	264.00	3,612	0.00	0	120.00	1,642
Transformer Copper	TN	1	15	15	444.00	6,598	0.00	0	5,000.00	74,300
Switchgears	TN	12	7	86	264.00	22,810	0.00	0	120.00	10,368
Total Account 345						<u>89,487</u>		<u>0</u>		<u>111,903</u>
TOTAL FT. MYERS GAS TURBINES						<u>2,476,678</u>		<u>284,007</u>		<u>1,183,049</u>
TOTAL FT. MYERS COMMON, UNITS 2 & 3 & GAS TURBINES						<u>17,216,693</u>		<u>5,282,732</u>		<u>10,239,987</u>

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. 030558-EI, Order No. PSC-04-0086-PAA-EI, issued on January 27, 2004. The current accruals became effective as of January 1, 2003.

MANATEE
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
Manatee Common					
<u>Production Plant</u>					
311	Structures and Improvements	2,862,732	3,838,526	289,478	6,411,779
312	Boiler Plant Equipment	73,828	0	35,423	38,406
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	198,681	174,371	94,263	278,789
316	Miscellaneous Equipment	1,078	0	490	588
	Subtotal	3,136,318	4,012,897	419,653	6,729,562
<u>Other Site Costs:</u>					
	Site Management Expenses	1,034,092			1,034,092
	Asbestos Abatement Costs	1,148			1,148
	Stack Disposal & Special Waste	1,125,267			1,125,267
	Intake & Discharge Backfill	179,622			179,622
	Grading & Seeding	2,730,655			2,730,655
	Subtotal	5,070,783	0	0	5,070,783
		8,207,101	4,012,897	419,653	11,800,345
	Contingency - 16%	1,313,136	642,063		1,955,200
		9,520,237	4,654,960	419,653	13,755,545
	Unusable M&S Inventory	800,000		80,000	720,000
		10,320,237	4,654,960	499,653	14,475,545
Manatee Fuel Oil Storage Facility					
311	Structures and Improvements	2,983,964	3,404,807	1,137,005	5,251,766
312	Boiler Plant Equipment	0	0	0	0
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	190,733	1,905	377,191	(184,554)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	3,174,696	3,406,712	1,514,196	5,067,212
	Contingency - 16%	507,951	545,074		1,053,025
	Subtotal for Manatee Fuel Oil Storage Facility	3,682,648	3,951,786	1,514,196	6,120,237
	Unusable M&S Inventory	2,094,291		209,429	1,884,862
		5,776,939	3,951,786	1,723,625	8,005,099
Manatee Units 1 & 2					
	Structures and Improvements	5,882,931	3,219,323	287,826	8,814,428
	Boiler Plant Equipment	10,054,839	4,323,744	4,280,734	10,097,849
	Turbogenerator Units	1,421,108	687,488	3,420,084	(1,311,488)
	Accessory Electrical Equipment	2,092,438	1,499,108	2,255,629	1,335,917
	Miscellaneous Equipment	116,356	0	33,009	83,347
	Subtotal	19,567,673	9,729,663	10,277,282	19,020,054
311	Contingency - 16%	3,130,828	1,556,746		4,687,574
312	Total Manatee Units 1 & 2	22,698,500	11,286,409	10,277,282	23,707,627
314					
315					
316	Manatee Unit 3				
	Structures and Improvements	1,741,096	1,487,024	371,514	2,856,606
	Fuel Holders	41,926	0	21,007	20,919
	Prime Movers	3,429,376	993,509	2,469,408	1,953,477
	Turbogenerator Units	466,230	269,240	648,360	87,110
	Accessory Electrical Equipment	700,090	573,447	245,361	1,028,177
	Miscellaneous Equipment	17,199	0	7,966	9,233
341	Total Manatee Unit 3	6,395,917	3,323,220	3,763,615	5,955,522
342					
343	Contingency - 16%	1,023,347	531,715		1,555,062
344	Total Manatee Unit 3	7,419,264	3,854,935	3,763,615	7,510,584
345					
346	Total Manatee Units 1, 2, 3 and Common	46,214,940	23,748,090	16,264,175	53,698,855

MANATEE
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Manatee Common	2,209,589	3,567,350	3,951,786	1,723,625	8,005,099
Manatee Units 1 & 2	13,619,100	9,079,400	11,286,409	10,277,282	23,707,627
Manatee Unit 3	4,451,558	2,967,706	3,854,935	3,763,615	7,510,584
Manatee Common CC	5,712,142	4,608,095	4,654,980	499,653	14,475,545
Total	<u>25,992,390</u>	<u>20,222,551</u>	<u>23,748,090</u>	<u>16,264,175</u>	<u>53,698,855</u>

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	\$36.52	X	6	=	\$219.10
Foreman	\$46.49	X	1	=	\$46.49
Heavy Equipment Operator	\$44.53	X	1	=	\$44.53
Total Cost per hour of 8 man crew					<u>\$310.11</u>
Cost per man hour			\$310.11 / 8 =		<u><u>\$38.76</u></u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					24,940.03
Front End Loader					2,912.53
Cutting Equipment					<u>231.75</u>
Total per month					<u>\$28,084.30</u>
28,084.30	/	176	hours per month =		159.57
Cost per man hour			\$159.57 / 8 =		\$19.95
Plus: amount for small tools					<u>1.00</u>
Total Cost per man hour					<u><u>\$20.95</u></u>

MANATEE DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$38.76
Equipment	20.95
Total	<u>\$59.71</u>
 Rounded	 <u>\$60.00</u>
 For Concrete demolition add \$5.00 per hour additional equipment charge.	 <u>\$65.00</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)	\$60.00	2.50 MH / Ton	\$150.00 / Ton
Heavy Steel (2)	\$60.00	3.30 MH / Ton	\$198.00 / Ton
General Steel	\$60.00	4.40 MH / Ton	\$264.00 / Ton
Light Steel	\$60.00	7.10 MH / Ton	\$426.00 / Ton
Concrete	\$65.00	0.48 MH / CY	\$31.20 / CY
Reinforced Concrete	\$65.00	1.20 MH / CY	\$78.00 / CY
Copper-Elect. Cable & Generator Leads &	\$60.00	12.00 MH / Ton	\$720.00 / Ton
Copper - Generator	\$60.00	9.80 MH / Ton	\$588.00 / Ton
Copper - Transformer	\$60.00	7.40 MH / Ton	\$444.00 / Ton
General Insulation	\$60.00	1.00 MH / CY	\$60.00 / CY
Inground Pipe-Metal(3)	\$60.00	6.00 MH / Ton	\$360.00 / Ton
Concrete Pipe	\$65.00	4.60 MH / Ton	\$299.00 / 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 Manatee County Landfill. Concrete and calcium silicated insulation are all non-hazardous wastes. The tipping fee is \$55.00/ton. These rates were obtained from Manatee County Landfill. charges are: \$320 per haul for a 20 cy dumpster and \$420 per haul for a 30 cy dumpster. For the 20 cubic yard dumpster, the first four tons are included in the per-haul charge. For the 30 cubic yard dumpster, the first six tons are included in the per-haul charge. Any weight over those limits have a \$55.00 per ton tipping fee.

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 7 ton limit = 23.5 tons.

Dumpster Cost	\$320.00 / haul	X	1 haul.	=	320.00
Tipping Fees	\$55.00 / ton	X	26.5 tons	=	1,457.50
Total Cost per round Trip					<u>1,777.50</u>

Cost per Cubic Yard	\$1,777.50 / 15.38 cubic yards =	\$115.57
Plus 10% contractor profit		11.56
Total Cost per Cubic Yard		<u>\$127.13</u>

Rounded Cost per Cubic Yard	<u>\$127.00</u>
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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 six ton limit, so there is no tipping fee.

Dumpster Cost	\$420.00 / haul	X	1 haul	=	420.00
Tipping Fees	\$55.00 / ton	X	0 tons	=	0.00
Total Cost per round Trip					<u>420.00</u>

Cost per Cubic Yard	\$420.00 / 27 cubic yards =	\$15.56
Plus 10% contractor profit		1.56
Total Cost per Cubic Yard		<u>\$17.11</u>

Rounded Cost per Cubic Yard	<u>\$17.00</u>
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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 \$19,202 per month, both office and site, and contractor's expenses of \$23,885 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	\$43,087
Number of months	24.00
Total Site Management Expenses	<u>\$1,034,092</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 \$39,120; the cost for the discharge is \$31,131. Manatee has 3 Intakes and 2 Discharges:

	<u>Cost/Structure</u>	<u>Quantity</u>	<u>Totals</u>
Intake	\$39,120	3	\$117,359
Discharge	\$31,131	2	\$62,262
			<u>\$179,622</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 \$56,186 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	\$56,186
Total Grading and Seeding Expense	<u>\$2,730,655</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>\$1,126,415</u>

MANATEE DISMANTLEMENT STUDY

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 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	2,490.00	31.20	77,688	127.00	316,230	0.00	0
Walks, Yard Paving, Parking(asphalt/concrete)	CY	1	1,323.00	1,323.00	31.20	41,278	127.00	168,021	0.00	0
Yard Lighting - Copper Wiring	TN	1	3.42	3.42	720.00	2,464	0.00	0	2,100.00	7,185
Yard Lighting - Conduit (aluminum)	TN	1	24.06	24.06	360.00	8,663	0.00	0	1,020.00	24,545
Railroad Rails - Steel	TN	1	549.83	549.83	426.00	234,229	0.00	0	120.00	65,980
Railroad Cross-ties	TN	1	824.78	824.78	31.20	25,733	127.00	104,747	0.00	0
Subtotal						390,054		588,998		97,710
Domestic Water Supply										
Piping, Vlvs Under 4" - Steel	TN	1	41.88	41.88	426.00	17,842	0.00	0	120.00	5,026
Subtotal						17,842		0		5,026
Storm & Sanitary Sewer System										
Oil Separator Tank - 4000 gal (fiberglass)	TN	2	4.20	8.39	426.00	3,574	0.00	0	120.00	1,007
Oil Separator Pump/ Motor	TN	2	1.00	2.00	426.00	852	0.00	0	120.00	240
Water Collecting Pond - Reinforced Concrete	CY	1	594.00	594.00	78.00	46,332	127.00	75,438	0.00	0
Sewage Treatment - Misc. Steel & Piping	TN	1	2.50	2.50	264.00	660	0.00	0	120.00	300
Sewage Treatment - Disposal Tanks (total)	TN	1	6.85	6.85	264.00	1,808	0.00	0	120.00	822
Septic Tank - 750 gal (concrete)	TN	1	1.32	1.32	299.00	395	0.00	0	0.00	0
Catch Basins & Manholes - Reinforced Concrete	CY	1	692.00	692.00	78.00	53,976	127.00	87,884	0.00	0
Subtotal						107,597		163,322		2,369
Yard Fire Protection System										
Motor-driven Fire Pump/ Motor	TN	1	3.55	3.55	264.00	937	0.00	0	120.00	426
Fire Pump/ Motor Foundation - Reinf Conc	CY	1	31.00	31.00	78.00	2,418	127.00	3,937	0.00	0
Engine-driven Fire Pump/ Motor	TN	1	1.21	1.21	264.00	319	0.00	0	120.00	145
Subtotal						3,675		3,937		571
Circulating and Service Water System										
Intake Structure										
Structures/ Foundations - Reinforced Concrete	CY	1	9,258.00	9,258.00	78.00	722,124	127.00	1,175,766	0.00	0
Structural Steel	TN	1	19.00	19.00	198.00	3,762	0.00	0	120.00	2,280
Handrailing, Grating, Checkerplate - Steel	TN	1	1.75	1.75	264.00	462	0.00	0	120.00	210
Cofferdam - Steel	TN	1	156.67	156.67	264.00	41,361	0.00	0	120.00	18,800
40-Ton Gantry Crane	TN	1	91.00	91.00	198.00	18,018	0.00	0	120.00	10,920
40-Ton Gantry Crane Track Rail - Steel	TN	1	4.65	4.65	426.00	1,981	0.00	0	120.00	558
Stop Logs - Reinforced Concrete	CY	1	47.11	47.11	78.00	3,675	127.00	5,983	0.00	0
Conduit - Aluminum	TN	1	1.49	1.49	426.00	636	0.00	0	1,020.00	1,523
Subtotal						792,018		1,181,749		34,291
Service Water System										
Foundation/ Slab - Reinforced Concrete	CY	1	879.00	879.00	78.00	68,562	127.00	111,633	0.00	0
Structural Steel	TN	1	33.00	33.00	198.00	6,534	0.00	0	120.00	3,960
Well Water Pump w/ motor	TN	3	2.27	6.81	264.00	1,798	0.00	0	120.00	817
Deminerlizer w/ 7.5 hp motor	TN	2	1.18	2.36	264.00	623	0.00	0	120.00	283
Deminerlizer w/ 15 hp motor	TN	2	1.68	3.36	264.00	887	0.00	0	120.00	403
Conveyer System w/ 2 hp motor	TN	1	2.50	2.50	264.00	660	0.00	0	120.00	300

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MANATEE DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Coagulator Tank w/ motor	TN	1	19.90	19.90	198.00	3,940	0.00	0	120.00	2,388
Lime Tank & Mixer - Steel	TN	1	1.22	1.22	264.00	322	0.00	0	120.00	146
Alum Tank & Mixer - Steel	TN	1	1.62	1.62	264.00	428	0.00	0	120.00	194
Clearwell Tank - Steel	TN	1	25.00	25.00	198.00	4,950	0.00	0	120.00	3,000
Acid Feed Tank - Steel	TN	1	7.50	7.50	264.00	1,980	0.00	0	120.00	900
Sand Filter Tank - Steel	TN	4	12.60	50.40	198.00	9,979	0.00	0	120.00	6,048
Carbon Filter Tank - Steel	TN	1	1.79	1.79	264.00	471	0.00	0	120.00	214
Conduit - Aluminum	TN	1	1.75	1.75	426.00	744	0.00	0	120.00	210
Subtotal						101,878		111,633		18,864
<u>Raw Water Make-up System</u>										
Raw Water Storage Tank - 500,000 gal	TN	1	55.00	55.00	198.00	10,890	0.00	0	120.00	6,600
Foundation - Reinforced Concrete	CY	1	203.00	203.00	78.00	15,834	127.00	25,781	0.00	0
Piping, Vlvs 4" to 8" - Steel	TN	1	3.67	3.67	426.00	1,562	0.00	0	120.00	440
Piping, Vlvs - Fiberglass	TN	1	33.94	33.94	360.00	12,220	0.00	0	0.00	0
Subtotal						40,506		25,781		7,040
<u>Open Cooling Water System</u>										
36" Piping/ Misc. Vlvs - Iron	TN	1	4.82	4.82	360.00	1,734	0.00	0	120.00	578
Subtotal						1,734		0		578
<u>Other Service Water System</u>										
Service Water Pump w/ 125 hp motor	TN	2	1.12	2.25	264.00	593	0.00	0	120.00	269
Treated Water Storage Tank - 500,000 gal	TN	1	55.00	55.00	198.00	10,890	0.00	0	120.00	6,600
Potable Water Storage Tank - 14,000 gal	TN	1	5.50	5.50	264.00	1,452	0.00	0	120.00	660
Water Treatment Area Foundations - Reinf Conc	CY	1	859.00	859.00	78.00	67,002	127.00	109,093	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	62.26	62.26	426.00	26,522	0.00	0	120.00	7,471
Piping, Vlvs 4" to 8" - Steel	TN	1	58.14	58.14	264.00	15,350	0.00	0	120.00	6,977
Subtotal						121,808		109,093		21,978
<u>Neutralization Basin</u>										
Acid Retention Basin - Reinforced Concrete	CY	1	584.00	584.00	78.00	45,552	127.00	74,168	0.00	0
Recovered Service Water Pump w/ motor	TN	2	2.25	4.50	264.00	1,188	0.00	0	120.00	540
Recovered Service Water Basin - Reinf Conc	CY	1	151.00	151.00	78.00	11,778	127.00	19,177	0.00	0
Waste Water Treatment Control Panel	TN	1	1.55	1.55	426.00	660	0.00	0	120.00	186
Piping, Vlvs - Fiberglass	TN	1	16.26	16.26	426.00	6,925	0.00	0	0.00	0
Subtotal						66,103		93,345		726
<u>Discharge Structure</u>										
Circ Water Discharge Sluice Gate - Iron	TN	2	5.50	11.00	264.00	2,904	0.00	0	120.00	1,320
Structure - Reinforced Concrete	CY	1	2,057.00	2,057.00	78.00	160,446	127.00	261,239	0.00	0
Subtotal						163,350		261,239		1,320
<u>Station Structures</u>										
Calibration Shop - Concrete Block 2,000 sf	CY	1	31.02	31.02	31.20	968	127.00	3,939	0.00	0
Acid Lift Station Pump w/ 100 hp motor	TN	2	4.80	9.60	264.00	2,533	0.00	0	120.00	1,151
Acid Lift Station Pump w/ 100 hp motor	TN	2	4.59	9.18	264.00	2,422	0.00	0	120.00	1,101
90-Ton Gantry Crane w/ 30-Ton Auxiliary Hoist	TN	1	178.90	178.90	198.00	35,422	0.00	0	120.00	21,468
90-Ton Gantry Crane Track Rail - Steel	TN	1	20.00	20.00	426.00	8,520	0.00	0	120.00	2,400
Control Bldg Foundation - Reinforced Concrete	CY	1	398.00	398.00	78.00	31,044	127.00	50,546	0.00	0
Control Bldg - Aluminum Siding 20,364 sf	TN	1	15.27	15.27	426.00	6,505	0.00	0	120.00	1,832
Control Bldg - Concrete Block 6,820 sf	CY	1	105.77	105.77	31.20	3,300	127.00	13,433	0.00	0
Control Bldg - Aluminum Sheet Metal 8,100 sf	TN	1	12.15	12.15	426.00	5,176	0.00	0	120.00	1,458

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MANATEE DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Control Bldg - Built-up Roofing 2,850 sf	TN	1	8.55	8.55	31.20	267	127.00	1,086	0.00	0
Control Bldg Phone Eqpmnt Room - Struc Steel	TN	1	7.60	7.60	198.00	1,505	0.00	0	120.00	912
Personnel Elevator - 2,000 lb capacity	TN	1	6.36	6.36	264.00	1,680	0.00	0	120.00	764
Freight Elevator - 10,000 lb capacity	TN	1	9.00	9.00	264.00	2,376	0.00	0	120.00	1,080
Freight Elevator - Structural Steel	TN	1	19.65	19.65	198.00	3,891	0.00	0	120.00	2,358
Subtotal						105,609		69,004		34,525
Fuel and Ash Structures										
Ash Disposal Basin - Reinforced Concrete	CY	1	2,852.00	2,852.00	78.00	222,456	127.00	362,204	0.00	0
Ash Disposal Basin - PH Analyzer	TN	1	2.00	2.00	426.00	852	0.00	0	120.00	240
Ash Disposal Basin Guard Rails 750 lf	TN	1	1.88	1.88	264.00	496	0.00	0	120.00	226
Fuel Oil Transfer Pump w/ 100 hp motor	TN	3	3.20	9.60	264.00	2,534	0.00	0	120.00	1,152
F/O Transfer Pump Basket Strainer - Iron	TN	3	1.16	3.47	264.00	917	0.00	0	120.00	417
Fuel Oil Transfer Heater - Steel	TN	4	9.23	36.92	264.00	9,747	0.00	0	120.00	4,430
Day/ Light Oil Tank Fndtns/ Dike - Reinf Conc	CY	1	1,559.00	1,559.00	78.00	121,602	127.00	197,993	0.00	0
Day/ Light Oil Tank Fire Wall - Reinf Conc	CY	1	477.00	477.00	78.00	37,206	127.00	60,579	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	19.96	19.96	426.00	8,501	0.00	0	120.00	2,395
Piping, Vlvs 4" to 8" - Steel	TN	1	4.84	4.84	264.00	1,279	0.00	0	120.00	581
Piping, Vlvs Over 8" - Steel	TN	1	217.10	217.10	198.00	42,985	0.00	0	120.00	26,052
Piping Supports - Reinforced Concrete	CY	1	966.00	966.00	78.00	75,348	127.00	122,682	0.00	0
Pipe Sleeves & Anchor Plates - Steel	TN	1	10.00	10.00	426.00	4,260	0.00	0	120.00	1,200
Piping 4" to 8" - Iron	TN	1	6.75	6.75	360.00	2,430	0.00	0	120.00	810
Piping Over 8" - Iron	TN	1	1.45	1.45	360.00	522	0.00	0	120.00	174
Insulation	CY	1	3.96	3.96	60.00	238	17.00	67	0.00	0
Subtotal						531,374		743,525		37,676
Service Building										
Spread Footings - Reinforced Concrete	CY	1	135.00	135.00	78.00	10,530	127.00	17,145	0.00	0
Structural Steel	TN	1	30.00	30.00	198.00	5,940	0.00	0	120.00	3,600
Walls - Concrete Block 31,877 sf	CY	1	494.39	494.39	31.20	15,425	127.00	62,787	0.00	0
Columns & Tie Beams - Reinforced Concrete	CY	1	333.00	333.00	78.00	25,974	127.00	42,291	0.00	0
Slabs & Landings - Reinforced Concrete	CY	1	338.00	338.00	78.00	26,364	127.00	42,926	0.00	0
Interior Partitions - Conc Block 8,875 sf	CY	1	137.64	137.64	31.20	4,294	127.00	17,481	0.00	0
Pre-cast Floor Slabs - Concrete	CY	1	370.26	370.26	31.20	11,552	127.00	47,023	0.00	0
Pre-cast Roof Slabs - Concrete	CY	1	422.82	422.82	31.20	13,192	127.00	53,698	0.00	0
Built-up Roofing	TN	1	72.37	72.37	31.20	2,258	127.00	9,191	0.00	0
Air Conditioning Unit - 240,000 BTU	TN	1	2.25	2.25	264.00	594	0.00	0	120.00	270
Air Conditioning Unit - 167,000 BTU	TN	1	2.20	2.20	264.00	581	0.00	0	120.00	264
Air Conditioning Unit - 142,000 BTU	TN	1	1.00	1.00	426.00	426	0.00	0	120.00	120
5-Ton Machine Shop Bridge Crane	TN	1	2.37	2.37	264.00	626	0.00	0	120.00	284
Conduit - Aluminum	TN	1	1.78	1.78	426.00	759	0.00	0	120.00	214
Piping, Vlvs Under 4" - Steel	TN	1	12.92	12.92	426.00	5,505	0.00	0	120.00	1,551
Piping, Vlvs 4" to 8" - Steel	TN	1	2.50	2.50	264.00	659	0.00	0	120.00	299
Piping 4" to 8" - Iron	TN	1	9.80	9.80	360.00	3,527	0.00	0	120.00	1,176
Subtotal						128,205		292,542		7,778
Other Buildings										
Foundations - Reinforced Concrete	CY	1	353.00	353.00	78.00	27,534	127.00	44,831	0.00	0
Walls - Concrete Block 8,162 sf	CY	1	126.59	126.59	31.20	3,949	127.00	16,076	0.00	0
Pre-cast Roofs - Concrete	CY	1	60.48	60.48	31.20	1,887	127.00	7,681	0.00	0
Built-up Roofing	TN	1	11.30	11.30	31.20	353	127.00	1,435	0.00	0
Roof Supports - Steel (Intake Chlorotr Bldg)	TN	1	1.86	1.86	264.00	490	0.00	0	120.00	223
Subtotal						34,213		70,024		223

MANATEE DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Warehouses										
Foundations - Reinforced Concrete	CY	1	979.00	979.00	78.00	76,362	127.00	124,333	0.00	0
Structural Steel	TN	1	574.00	574.00	198.00	113,652	0.00	0	0.00	0
Siding/ Roofing - Aluminum	TN	1	154.69	154.69	426.00	65,898	0.00	0	120.00	18,563
Fencing - Aluminum	TN	1	2.00	2.00	426.00	852	0.00	0	120.00	240
Subtotal						256,764		124,333		18,803
Total Account 311						2,862,732		3,838,526		289,478
FERC Account 312										
Boiler Plant Service Equipment										
Feed Water System										
Strong Acid Cation Exchanger - Steel	TN	2	35.25	70.50	198.00	13,959	0.00	0	120.00	8,460
Weak Base Anion Exchanger - Steel	TN	2	19.50	39.00	198.00	7,722	0.00	0	120.00	4,680
Strong Base Anion Exchanger - Steel	TN	3	10.90	32.70	198.00	6,475	0.00	0	120.00	3,924
Mixed Bed Ion Exchanger - Steel	TN	2	11.68	23.35	198.00	4,623	0.00	0	120.00	2,802
Air Compressor - 308 cfm w/ 40 hp motor	TN	1	1.00	1.00	426.00	426	0.00	0	120.00	120
Acid Storage Tank - Steel	TN	1	48.50	48.50	198.00	9,603	0.00	0	120.00	5,820
Caustic Storage Tank -Steel	TN	1	7.50	7.50	264.00	1,980	0.00	0	120.00	900
Brine Measuring Tank - Steel	TN	1	3.66	3.66	264.00	966	0.00	0	120.00	439
Brine Recirculation Control Panel - Steel	TN	1	5.16	5.16	426.00	2,200	0.00	0	120.00	620
Subtotal						47,954		0		27,765
Boiler Wash System										
Caustic Wash Service Tank/ Agitator - Steel	TN	1	3.52	3.52	264.00	928	0.00	0	120.00	422
Caustic Wash Mixing Tank/ Agitator - Steel	TN	1	2.65	2.65	264.00	700	0.00	0	120.00	318
Lime Slurry Mixing Tank/ Agitator - Steel	TN	1	1.93	1.93	264.00	509	0.00	0	120.00	231
Piping, Vlvs Under 4" - Steel	TN	1	55.72	55.72	426.00	23,738	0.00	0	120.00	6,687
Subtotal						25,874		0		7,658
Total Account 312						73,828		0		35,423
FERC Account 315										
Accessory Electrical Equipment										
Power Conversion Equipment										
Start-up Transformer (6.9kva)	TN	1	59.30	59.30	426.00	25,262	0.00	0	120.00	7,116
Start-up Switchgear (6.9kva)	TN	1	13.80	13.80	426.00	5,879	0.00	0	120.00	1,656
6,900V Non-segregated Phase Bus	TN	1	6.78	6.78	426.00	2,888	0.00	0	120.00	814
Start-up Transformer Foundation - Reinf Conc	CY	1	184.00	184.00	78.00	14,352	127.00	23,368	0.00	0
Station Svc Trnsfrmr - 2,500 kva (oil-cooled)	TN	1	7.80	7.80	426.00	3,323	0.00	0	120.00	936
Manholes & Handholes - Reinforced Concrete	CY	1	499.00	499.00	78.00	38,922	127.00	63,373	0.00	0
480V Motor Control Center	TN	1	3.50	3.50	426.00	1,491	0.00	0	120.00	420
2400V Switchgear	TN	1	7.57	7.57	426.00	3,223	0.00	0	120.00	908
Neutral Grounding Transformer - Steel	TN	2	4.00	8.00	426.00	3,408	0.00	0	120.00	960
Transformer Copper	TN	1	28.44	28.44	444.00	12,627	0.00	0	2,100.00	59,724
Emergency Diesel Generator & Accessories	TN	1	12.12	12.12	264.00	3,201	0.00	0	120.00	1,455
480V Emergency Diesel Load Center/ Switchgear	TN	1	3.70	3.70	426.00	1,576	0.00	0	120.00	444
Underground Conduit, Ducts - Reinf Concrete	CY	1	690.00	690.00	78.00	53,820	127.00	87,630	0.00	0
Conduit (underground) - Steel	TN	1	47.70	47.70	360.00	17,172	0.00	0	0.00	0
Conduit (exposed) - Steel	TN	1	11.12	11.12	426.00	4,738	0.00	0	0.00	0
Copper Wiring - Insulated	TN	1	9.44	9.44	720.00	6,799	0.00	0	2,100.00	19,830
Total Account 315						198,681		174,371		94,263

MANATEE DISMANTLEMENT STUDY

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 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										
Station Air Compressor (880 CFM) w/ motor	TN	1	4.08	4.08	264.00	1,078	0.00	0	120.00	490
Total Account 316						1,078		0		490
TOTAL MANATEE COMMON						3,136,318		4,012,897		419,653
MANATEE UNITS 1 & 2										
FERC Account 311										
Improvements to Site										
Yard Piping Bridge										
Structural Steel	TN	1	164.00	164.00	198.00	32,472	0.00	0	120.00	19,680
Subtotal						32,472		0		19,680
Storm & Sanitary Sewer System										
Piping, Vlvs 4" to 8" - Steel	TN	1	13.56	13.56	264.00	3,581	0.00	0	120.00	1,628
Piping, Vlvs 4" to 8" - Iron	TN	1	95.71	95.71	360.00	34,456	0.00	0	120.00	11,485
Piping, Vlvs Over 8" - Iron	TN	1	71.64	71.64	360.00	25,790	0.00	0	120.00	8,597
Fiberglass Piping, Vlvs	TN	1	12.18	12.18	360.00	4,385	0.00	0	120.00	1,462
Piping Over 8" - Reinforced Concrete	TN	1	300.08	300.08	299.00	89,724	0.00	0	0.00	0
Subtotal						157,935		0		23,171
Yard Fire Protection System										
Piping, Vlvs 4" & Under - Steel	TN	1	5.02	5.02	426.00	2,137	0.00	0	120.00	602
Piping, Vlvs 4" to 8" - Steel	TN	1	6.00	6.00	264.00	1,585	0.00	0	120.00	720
Piping 4" to 8" - Iron	TN	1	2.16	2.16	360.00	777	0.00	0	120.00	259
Piping Over 8" - Iron	TN	1	132.39	132.39	360.00	47,662	0.00	0	120.00	15,887
Subtotal						52,160		0		17,469
Circulating and Service Water System										
Open Cooling Water System										
Intake Cooling Water Pump w/ motor	TN	2	6.90	27.60	264.00	7,286	0.00	0	120.00	3,312
Pump Basket Strainer (30") - Steel	TN	2	3.99	15.95	264.00	4,211	0.00	0	120.00	1,914
36" Piping - Reinforced Concrete	TN	1	1,034.91	2,069.82	299.00	618,876	0.00	0	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	58.27	116.54	426.00	49,647	0.00	0	120.00	13,985
Piping, Vlvs 4" to 8" - Steel	TN	1	35.23	70.45	264.00	18,599	0.00	0	120.00	8,454
Subtotal						698,619		0		27,665
Intake Structure Equipment & Piping										
Traveling Water Screen - Steel	TN	4	18.03	144.25	198.00	28,562	0.00	0	120.00	17,310
Screen Wash Pump w/ motor	TN	4	2.13	17.00	264.00	4,488	0.00	0	120.00	2,040
Trash Rake - Aluminum	TN	4	2.00	16.00	426.00	6,816	0.00	0	120.00	1,920
5-ton Electric Hoist	TN	1	1.50	3.00	264.00	792	0.00	0	120.00	360
Intake Piping (66") - Reinforced Concrete	CY	1	5,474.10	5,474.10	299.00	1,636,756	0.00	0	0.00	0
Subtotal						1,677,414		0		21,630
Discharge Piping										
Discharge Piping (66") - Reinforced Concrete	TN	1	615.26	615.26	299.00	183,962	0.00	0	0.00	0
Discharge Piping (114") - Reinforced Concrete	TN	1	2,764.80	2,764.80	299.00	826,675	0.00	0	0.00	0
Subtotal						1,010,637		0		0

MANATEE DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Station Structures										
Spread Footings - Reinforced Concrete	CY	1	11,966.00	11,966.00	78.00	933,348	127.00	1,519,682	0.00	0
Footings, Piers & Grade Beams - Reinf Conc	CY	1	6,393.00	6,393.00	78.00	498,654	127.00	811,911	0.00	0
Ground Floor Slabs - Reinforced Concrete	CY	1	4,387.00	4,387.00	78.00	342,186	127.00	557,149	0.00	0
Turbine Generator Building - Structural Steel	TN	1	892.00	892.00	198.00	176,616	0.00	0	120.00	107,040
T-G Bldg - Stairways & Handrailing 4,377 lf	TN	1	60.16	60.16	264.00	15,883	0.00	0	120.00	7,219
Elevated Slabs - Reinforced Concrete	CY	1	1,733.00	1,733.00	78.00	135,174	127.00	220,091	0.00	0
Grating & Floor Plating - Steel 7,146 sf	TN	1	39.03	78.06	264.00	20,608	0.00	0	120.00	9,367
Lift Station Structure/ Fndation - Reinf Conc	CY	1	870.00	870.00	78.00	67,860	127.00	110,490	0.00	0
Lift Station Pump w/ 40 hp motor	TN	2	1.30	5.20	264.00	1,373	0.00	0	120.00	624
Lift Station Pump w/ 125 hp motor	TN	2	2.42	9.68	264.00	2,556	0.00	0	120.00	1,162
Conduit - Aluminum	TN	1	31.84	31.84	426.00	13,564	0.00	0	1,020.00	32,478
Insulated Copper Wiring	TN	1	2.90	2.90	720.00	2,089	0.00	0	2,100.00	6,094
Piping, Vlvs Under 4" - Steel	TN	1	2.98	2.98	426.00	1,267	0.00	0	120.00	357
Piping, Vlvs 4" to 8" - Steel	TN	1	30.87	30.87	264.00	8,149	0.00	0	120.00	3,704
Piping, Vlvs Over 8" - Steel	TN	1	3.90	3.90	198.00	771	0.00	0	120.00	468
Piping, Vlvs Under 4" - Iron	TN	1	1.34	1.34	360.00	482	0.00	0	120.00	161
Piping, Vlvs 4" to 8" - Iron	TN	1	44.50	44.50	360.00	16,021	0.00	0	120.00	5,340
Piping, Vlvs Over 8" - Iron	TN	1	34.98	34.98	360.00	12,592	0.00	0	120.00	4,197
15" Piping - Reinforced Concrete	TN	1	15.05	15.05	299.00	4,500	0.00	0	0.00	0
Subtotal						2,253,693		3,219,323		178,211
Total Account 311						5,882,931		3,219,323		287,826
FERC Account 312										
Boiler Plant Service Equipment										
Fuel Oil Day Tank - Steel 24,000 bbl	TN	2	105.00	210.00	n/a	30,617	0.00	0	120.00	25,200
Light Oil Tank - Steel 2,000 bbl	TN	1	16.00	16.00	n/a	6,408	0.00	0	120.00	1,920
Foundation - tanks					n/a	125,073	n/a	0	0.00	0
Fuel Oil Tank Cleaning					n/a	0	n/a	135,742	0.00	0
Sand base removal					n/a	0	n/a	51,311	0.00	0
Fuel Oil Burner Pump Heater - Steel	TN	1	7.08	14.16	264.00	3,738	0.00	0	120.00	1,699
Burner Fuel Oil Heater - Steel	TN	6	3.92	46.98	264.00	12,403	0.00	0	120.00	5,638
Fuel Oil Burner Pump/ Motor	TN	3	2.42	14.52	264.00	3,833	0.00	0	120.00	1,742
Basket Strainer (18") - Steel	TN	2	1.16	4.63	264.00	1,222	0.00	0	120.00	556
Fuel Oil Burner Booster Pump w/ motor	TN	2	4.74	18.96	264.00	5,005	0.00	0	120.00	2,275
Forced Draft Fan	TN	4	20.30	162.40	198.00	32,155	0.00	0	120.00	19,488
Forced Draft Fan Motor	TN	4	13.26	106.04	198.00	20,996	0.00	0	120.00	12,725
Forced Draft Fan Hydraulic Coupling	TN	4	7.75	62.00	264.00	16,368	0.00	0	120.00	7,440
Gas Induction Fan	TN	2	36.50	146.00	198.00	28,908	0.00	0	120.00	17,520
Gas Induction Fan Motor	TN	2	12.70	50.80	198.00	10,058	0.00	0	120.00	6,096
Gas Induction Fan Hydraulic Coupling	TN	2	9.25	37.00	264.00	9,768	0.00	0	120.00	4,440
F/D Fan & G/I Fan Foundations - Reinf Conc	CY	1	2,500.00	2,500.00	78.00	195,000	127.00	317,500	0.00	0
Breeching Foundations - Reinforced Concrete	CY	1	130.00	260.00	78.00	20,280	127.00	33,020	0.00	0
Steel Support - Fan Removal	TN	1	138.00	272.00	198.00	53,856	0.00	0	120.00	32,640
Ductwork - Steel (53,761 sf x 1/4")	TN	1	274.18	548.37	264.00	144,769	0.00	0	120.00	65,804
Forced Draft Fan Hoist - 7 1/2 Ton	TN	2	1.35	5.40	264.00	1,426	0.00	0	120.00	648
Gas Induction Fan Hoist - 7 1/2 Ton	TN	2	1.19	4.76	264.00	1,257	0.00	0	120.00	571
Insulated Copper Wire	TN	1	4.17	8.34	720.00	6,005	0.00	0	2,100.00	17,513
Conduit - Aluminum	TN	1	19.90	39.81	426.00	16,959	0.00	0	1,020.00	40,605
Piping, Vlvs Under 4" - Steel	TN	1	122.18	122.18	426.00	52,051	0.00	0	120.00	14,662
Piping, Vlvs 4" to 8" - Steel	TN	1	80.37	80.37	264.00	21,217	0.00	0	120.00	9,644
Piping, Vlvs Over 8" - Steel	TN	1	118.31	118.31	198.00	23,426	0.00	0	120.00	14,198

MANATEE DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Piping, Vlvs 4" to 8" - Iron	TN	1	39.50	39.50	360.00	14,219	0.00	0	120.00	4,740
Piping, Vlvs Over 8" - Iron	TN	1	68.35	68.35	360.00	23,885	0.00	0	120.00	7,962
Piping, Vlvs - Fiberglass	TN	1	1.75	1.75	360.00	630	0.00	0	0.00	0
15" Piping - Reinforced Concrete	TN	1	8.31	8.31	78.00	648	127.00	1,055	0.00	0
Piping Foundations - Reinforced Concrete	CY	1	214.00	214.00	78.00	16,692	127.00	27,178	0.00	0
Piping Insulation	CY	1	59.09	59.09	60.00	3,545	17.00	1,005	0.00	0
Subtotal						902,416		566,811		315,725
Boiler Plant Equipment										
Structural Steel	TN	1	2,915.00	5,830.00	198.00	1,154,340	0.00	0	120.00	699,600
Checkerplate - Steel 49,094 sf	TN	1	220.92	441.84	264.00	116,646	0.00	0	120.00	53,021
Handrailing - Steel 12,216 lf	TN	1	30.54	61.08	264.00	16,125	0.00	0	120.00	7,330
Steam Generation Unit - including:										
Steam Drum, Internals, Supports	TN	2	272.50	1,090.00	198.00	215,820	0.00	0	120.00	130,800
Burner Area & Windboxes	TN	1	81.50	163.00	198.00	32,274	0.00	0	120.00	19,560
Penthouse Area	TN	1	816.50	1,633.00	198.00	323,334	0.00	0	120.00	195,960
Heat Recovery Area	TN	1	293.00	586.00	198.00	116,028	0.00	0	120.00	70,320
Hopper Area	TN	1	13.50	27.00	198.00	5,346	0.00	0	120.00	3,240
Water Walls/ Headers	TN	1	1,753.00	3,506.00	198.00	694,188	0.00	0	120.00	420,720
Downcomers	TN	1	675.00	1,350.00	198.00	267,300	0.00	0	120.00	162,000
Air Preheater	TN	2	667.50	2,670.00	198.00	528,660	0.00	0	120.00	320,400
Steam Coil Air Heater	TN	1	15.24	30.48	198.00	6,035	0.00	0	120.00	3,658
Superheater	TN	1	1,001.00	2,002.00	198.00	396,396	0.00	0	120.00	240,240
Reheater	TN	1	942.50	1,885.00	198.00	373,230	0.00	0	120.00	226,200
Economizer	TN	1	731.50	1,463.00	198.00	289,674	0.00	0	120.00	175,560
Flues/ Ductwork	TN	1	689.50	1,379.00	264.00	364,056	0.00	0	120.00	165,480
Boiler Setting - Insulation	CY	1	2,090.40	4,180.80	60.00	250,848	17.00	71,074	0.00	0
Soot Blower	TN	32	1.95	124.80	264.00	32,947	0.00	0	120.00	14,976
Soot Blower Support Steel	TN	1	20.00	40.00	264.00	10,560	0.00	0	120.00	4,800
Safety/ Relief Valves (total)	TN	1	14.00	28.00	264.00	7,392	0.00	0	120.00	3,360
Safety/ Relief Valve Silencers	TN	1	35.00	70.00	264.00	18,480	0.00	0	120.00	8,400
Instrument Air Compressor w/ 100 hp motor	TN	2	6.30	25.20	264.00	6,653	0.00	0	120.00	3,024
Instrument Air Dryer	TN	1	2.00	4.00	264.00	1,056	0.00	0	120.00	480
Compressor Foundations - Reinforced Concrete	CY	1	15.00	15.00	78.00	1,170	127.00	1,905	0.00	0
Boiler Combustion Controls	TN	1	3.50	7.00	426.00	2,982	0.00	0	120.00	840
Steam and Water Sampling System	TN	1	1.50	3.00	426.00	1,278	0.00	0	120.00	360
Air Preheater Cleaning & Washing System	TN	2	1.34	5.35	426.00	2,277	0.00	0	120.00	642
Piping, Vlvs Under 4" - Steel	TN	1	65.95	65.95	426.00	28,094	0.00	0	120.00	7,914
Piping, Vlvs 4" to 8" - Steel	TN	1	30.45	30.45	264.00	8,039	0.00	0	120.00	3,654
Piping, Vlvs Over 8" - Steel	TN	1	15.50	15.50	198.00	3,069	0.00	0	120.00	1,860
Piping Insulation	CY	1	8.34	8.34	60.00	500	17.00	142	0.00	0
Subtotal						5,274,798		73,120		2,944,397
Boiler Plant Auxiliaries										
Feedwater System										
#1 Low Pressure Feedwater Heater - Steel	TN	2	30.85	123.40	198.00	24,433	0.00	0	120.00	14,808
#2 Low Pressure Feedwater Heater - Steel	TN	2	21.95	87.80	198.00	17,384	0.00	0	120.00	10,536
#3 Low Pressure Feedwater Heater - Steel	TN	1	41.80	83.60	198.00	16,553	0.00	0	120.00	10,032
#4 Low Pressure Feedwater Heater - Steel	TN	1	42.80	85.60	198.00	16,949	0.00	0	120.00	10,272
#5 Low Pressure Feedwater Heater - Steel	TN	1	53.65	107.30	198.00	21,245	0.00	0	120.00	12,876
#6 High Pressure Feedwater Heater - Steel	TN	2	48.15	192.60	198.00	38,135	0.00	0	120.00	23,112
#7 High Pressure Feedwater Heater - Steel	TN	2	53.50	214.00	198.00	42,372	0.00	0	120.00	25,680
Condensate Recovery Drain Cooler - Steel	TN	1	1.00	2.00	426.00	852	0.00	0	120.00	240

MANATEE DISMANTLEMENT STUDY

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Condensate Recovery Vent Condenser - Steel	TN	1	1.25	2.50	264.00	660	0.00	0	120.00	300
Boiler Feed Pump	TN	2	14.48	57.90	198.00	11,464	0.00	0	120.00	6,948
Boiler Feed Pump Motor	TN	2	13.03	52.10	198.00	10,316	0.00	0	120.00	6,252
Boiler Feed Pump Lube Oil Reservoir - Steel	TN	2	2.70	10.80	264.00	2,851	0.00	0	120.00	1,296
Boiler Feed Pump Lube Oil Batch Tank - Steel	TN	1	1.93	3.86	264.00	1,019	0.00	0	120.00	463
Boiler Feed Pump Lube Oil Conditioning Tank	TN	1	1.00	2.00	426.00	852	0.00	0	120.00	240
Heater Drain Pump/ Motor	TN	2	5.95	23.80	264.00	6,283	0.00	0	120.00	2,856
Heater Drain Pump Strainer - Steel	TN	2	1.00	4.00	426.00	1,704	0.00	0	120.00	480
Heater Drain Pmp/ Mtr Foundation - Reinf Conc	CY	1	10.00	20.00	78.00	1,560	127.00	2,540	0.00	0
Condensate Storage Tank - 400,000 gal	TN	1	48.00	96.00	198.00	19,008	0.00	0	120.00	11,520
Condensate Strg Tank Foundation - Reinf Conc	CY	1	420.00	420.00	78.00	32,760	127.00	53,340	0.00	0
Condensate Recovery Tank - Steel	TN	1	9.35	18.69	264.00	4,935	0.00	0	120.00	2,243
Condensate Rcvry Tank Foundation - Reinf Conc	CY	1	32.00	32.00	78.00	2,496	127.00	4,064	0.00	0
Condensate Recovery Flash Tank - Steel	TN	1	1.41	2.82	264.00	745	0.00	0	120.00	339
Blowdown Tank - Steel	TN	1	6.33	12.65	264.00	3,340	0.00	0	120.00	1,518
Blowdown Tank Silencer - Steel	TN	1	1.42	2.84	264.00	750	0.00	0	120.00	341
Blowdown Tank Foundation - Reinf Concrete	CY	1	10.00	20.00	78.00	1,560	127.00	2,540	0.00	0
Boiler Blowdown Heat Exchanger - Steel	TN	1	1.95	3.90	264.00	1,030	0.00	0	120.00	468
System Piping, Vlvs Under 4" - Steel	TN	1	102.10	102.10	426.00	43,495	0.00	0	120.00	12,252
System Piping, Vlvs 4" to 8" - Steel	TN	1	88.04	88.04	264.00	23,244	0.00	0	120.00	10,565
System Piping, Vlvs Over 8" - Steel	TN	1	52.95	52.95	198.00	10,483	0.00	0	120.00	6,354
System Insulation	CY	1	70.12	70.12	60.00	4,207	17.00	1,192	0.00	0
Subtotal						362,685		63,676		171,991
Closed Cooling Water System Equipment										
Cooling Water Pump w/ 300 hp motor	TN	2	3.42	13.68	264.00	3,612	0.00	0	120.00	1,642
Cooling Water Pump Strainer (20") - Iron	TN	2	1.33	5.33	264.00	1,407	0.00	0	120.00	640
Cooling Water Heat Exchanger - Steel	TN	2	24.00	96.00	198.00	19,008	0.00	0	120.00	11,520
Pmp/mtr, Heat Exchanger Fndtions - Reinf Conc	CY	1	91.00	91.00	78.00	7,098	127.00	11,557	0.00	0
Cooling Water Surge Tank - Steel	TN	1	2.01	4.01	264.00	1,059	0.00	0	120.00	481
Subtotal						32,184		11,557		14,283
Boiler Plant Piping - All Systems										
Piping, Vlvs Under 4" - Steel	TN	1	658.89	658.89	426.00	280,687	0.00	0	120.00	79,067
Piping, Vlvs 4" to 8" - Steel	TN	1	448.78	448.78	264.00	118,477	0.00	0	120.00	53,853
Piping, Vlvs Over 8" - Steel	TN	1	2,120.18	2,120.18	198.00	419,796	0.00	0	120.00	254,422
Copper Tubing	TN	1	19.25	19.25	426.00	8,199	0.00	0	5,000.00	96,230
Steel Tubing	TN	1	1.57	1.57	426.00	667	0.00	0	120.00	188
Piping Insulation	CY	1	253.64	253.64	60.00	15,219	17.00	4,312	0.00	0
Subtotal						843,044		4,312		483,759
Induced Draft Equipment										
Induced Draft Fan	TN	4	52.85	422.80	198.00	83,714	0.00	0	120.00	50,736
Induced Draft Fan Motor - 4,500 hp	TN	4	16.50	132.00	198.00	26,136	0.00	0	120.00	15,840
Induced Draft Fan Hydraulic Coupling	TN	4	15.00	120.00	198.00	23,760	0.00	0	120.00	14,400
ID Fans/ Motors Foundation - Reinf Concrete	CY	1	2,304.00	2,304.00	78.00	179,712	127.00	292,608	0.00	0
I/D Fan Hoist - 20 Ton	TN	1	2.10	4.20	264.00	1,109	0.00	0	120.00	504
Dust Collector, Vibrating System, Outlet Duct	TN	1	512.50	1,025.00	264.00	270,600	0.00	0	120.00	123,000
Stack Breeching Foundation - Reinf Concrete	CY	1	641.00	641.00	78.00	49,998	127.00	81,407	0.00	0
Ductwork - Steel (70,395 sf x 1/4")	TN	1	359.02	718.03	264.00	189,561	0.00	0	120.00	86,164
Ash Pits - Reinforced Concrete	CY	1	68.00	68.00	78.00	5,304	127.00	8,636	0.00	0
Ash Water Pump w/ 40 hp motor	TN	2	1.18	4.70	264.00	1,241	0.00	0	120.00	564
Stack Foundation - Reinforced Concrete	CY	1	10,141.00	10,141.00	78.00	790,998	127.00	1,287,907	0.00	0

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MANATEE DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Stack - Reinforced Concrete	CY	1	3,851.00	7,702.00	78.00	600,756	127.00	978,154	0.00	0
Stack Lining - Concrete Brick	CY	1	3,760.80	7,521.60	31.20	234,674	127.00	955,243	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	2.63	2.63	426.00	1,118	0.00	0	120.00	315
Piping, Vlvs 4" to 8" - Steel	TN	1	2.93	2.93	264.00	774	0.00	0	120.00	352
Piping, Vlvs Over 8" - Steel	TN	1	128.26	128.26	198.00	25,395	0.00	0	120.00	15,391
Insulation	CY	1	18.37	18.37	60.00	1,102	17.00	312	0.00	0
Subtotal						2,485,953		3,604,267		307,266
Miscellaneous Equipment & Steel	TN	1	360.94	360.94	426.00	153,760	0.00	0	120.00	43,313
Total Account 312						10,054,839		4,323,744		4,280,734
FERC Account 314										
Turbogenerator Unit										
Foundations										
Turbine Pedestal - Reinforced Concrete	CY	1	5,147.00	5,147.00	78.00	401,466	127.00	653,669	0.00	0
Subtotal						401,466		653,669		0
Turbogenerator Equipment										
Turbine Generator	TN	1	683.85	1,367.69	150.00	205,154	0.00	0	120.00	164,123
Main Lube Oil Pump w/ motor	TN	1	3.00	6.00	264.00	1,584	0.00	0	120.00	720
Aux Lube Oil Pump w/ motor	TN	1	2.00	4.00	264.00	1,056	0.00	0	120.00	480
Turbine Copper	TN	1	62.00	124.00	588.00	72,912	0.00	0	5,000.00	620,000
Lube Oil Conditioning Tank - Steel	TN	1	3.27	6.54	264.00	1,727	0.00	0	120.00	785
Lube Oil Batch Tank - 15,000 gal	TN	1	12.20	24.40	198.00	4,831	0.00	0	120.00	2,928
Piping, Vlvs Under 4" - Steel	TN	1	26.78	26.78	426.00	11,408	0.00	0	120.00	3,214
Piping, Vlvs 4" to 8" - Steel	TN	1	11.61	11.61	264.00	3,065	0.00	0	120.00	1,393
Subtotal						301,736		0		793,642
Condenser and Auxiliaries										
Condenser Shell - Steel	TN	1	424.24	848.48	198.00	167,999	0.00	0	0.00	0
Condenser Tubes - Aluminum-Brass	TN	1	433.94	867.87	426.00	369,713	0.00	0	2,800.00	2,430,036
Condenser Tubes - Cupro Nickel	TN	1	15.14	30.28	426.00	12,898	0.00	0	4,000.00	121,104
Condenser Foundation - Reinforced Concrete	CY	1	132.00	264.00	78.00	20,592	127.00	33,528	0.00	0
Condensate Pump w/ 2,250 hp motor	TN	2	14.71	58.84	198.00	11,650	0.00	0	120.00	7,061
Condensate Pump Strainer/ Baskets (30") -Iron	TN	2	1.85	7.40	264.00	1,954	0.00	0	120.00	888
Circ Water Priming Vacuum Pump/Motors/Tank	TN	1	2.85	5.70	264.00	1,505	0.00	0	120.00	684
Hogging Ejector, Other Ejecs, Assoc Eqpmnt	TN	1	9.00	18.00	264.00	4,752	0.00	0	120.00	2,160
Piping, Vlvs Under 4" - Steel	TN	1	19.58	19.58	426.00	8,340	0.00	0	120.00	2,349
Piping, Vlvs 4" to 8" - Steel	TN	1	10.80	10.80	264.00	2,851	0.00	0	120.00	1,296
Piping, Vlvs Over 8" - Steel	TN	1	16.12	16.12	198.00	3,192	0.00	0	120.00	1,935
System Insulation	CY	1	17.13	17.13	60.00	1,028	17.00	291	0.00	0
Subtotal						606,473		33,819		2,567,512
Circulating Water System										
Pump - 100,000 gpm	TN	4	41.50	332.00	198.00	65,736	0.00	0	120.00	39,840
Pump Motor - 1,000 hp	TN	4	12.10	96.80	198.00	19,166	0.00	0	120.00	11,616
Subtotal						84,902		0		51,456
Miscellaneous Equipment & Steel	TN	1	62.28	62.28	426.00	26,531	0.00	0	120.00	7,474
Total Account 314						1,421,108		687,488		3,420,084

MANATEE DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
FERC Account 315										
Accessory Electrical Equipment										
Generator Leads & Supports										
Foundations - Reinforced Concrete	CY	1	902.00	1,804.00	78.00	140,712	127.00	229,108	0.00	0
Generator Leads Enclosures/ Supports - Steel	TN	1	32.00	64.00	264.00	16,896	0.00	0	120.00	7,680
Subtotal						157,608		229,108		7,680
Power Conversion Equipment										
6900V Metal-clad Switchgear	TN	2	96.10	384.40	426.00	163,754	0.00	0	120.00	46,128
6900V Non-segregated Phase Bus	TN	1	19.32	38.65	426.00	16,463	0.00	0	5,000.00	193,230
6900V Non-segregated Phase Bus - Struc Steel	TN	1	3.75	7.50	198.00	1,485	0.00	0	120.00	900
480V Metal-clad Switchgear	TN	1	41.10	82.20	426.00	35,017	0.00	0	120.00	9,864
480V Load Control Center - 1,000 kva	TN	2	2.60	10.40	426.00	4,430	0.00	0	120.00	1,248
480V Load Control Center - 1,500 kva	TN	4	3.25	26.00	426.00	11,076	0.00	0	120.00	3,120
480V Motor Control Center (9 @ >1 ton each)	TN	1	29.10	58.20	426.00	24,793	0.00	0	120.00	6,984
Auxiliary Power Transformer	TN	1	49.05	98.10	426.00	41,791	0.00	0	120.00	11,772
Station Service Transformer	TN	1	7.80	15.60	426.00	6,646	0.00	0	120.00	1,872
Transformer Copper	TN	1	25.64	25.64	444.00	11,384	0.00	0	5,000.00	128,200
Xfmr/Swgr Foundations/ Curbs - Reinf Conc	CY	1	837.00	837.00	78.00	65,286	127.00	106,299	0.00	0
Manholes & Handholes - Reinforced Concrete	CY	1	1,584.00	1,584.00	78.00	123,552	127.00	201,168	0.00	0
Generator Isolated Phase Bus	TN	1	37.92	75.84	426.00	32,307	0.00	0	5,000.00	379,186
Generator Isolated Phase Bus - Struc Steel	TN	1	9.00	18.00	198.00	3,564	0.00	0	120.00	2,160
Neutral Grounding Transformer	TN	3	4.00	24.00	426.00	10,224	0.00	0	120.00	2,880
Transformer Neutral Grounding System Eqpt	TN	3	1.25	7.50	426.00	3,195	0.00	0	120.00	900
Current Transformer	TN	6	1.00	12.00	426.00	5,112	0.00	0	120.00	1,440
125VDC Load Control Center	TN	1	3.50	7.00	426.00	2,982	0.00	0	120.00	840
25 kva Cyberez Static Inverter	TN	2	1.00	4.00	426.00	1,704	0.00	0	120.00	480
25 kva Uninterruptible Power Supply (UPS)	TN	1	1.00	2.00	426.00	852	0.00	0	120.00	240
Battery Unit - 125VDC, 60-Cell	TN	1	10.50	21.00	426.00	8,946	0.00	0	120.00	2,520
Battery Charger	TN	3	1.05	6.30	426.00	2,684	0.00	0	120.00	756
Main Boiler-Turbine Generator Control Board	TN	1	25.58	51.16	426.00	21,794	0.00	0	120.00	6,139
Main Boiler-Turbine Generator Control Panel	TN	1	8.80	17.60	426.00	7,498	0.00	0	120.00	2,112
Bus Current Transformer	TN	3	1.00	6.00	426.00	2,556	0.00	0	120.00	720
Potential Transformer	TN	1	2.25	4.50	426.00	1,917	0.00	0	120.00	540
Voltage & Field Breaker Regulator	TN	1	6.00	12.00	426.00	5,112	0.00	0	120.00	1,440
Conduit (underground) - PVC	TN	1	246.15	246.15	360.00	88,616	0.00	0	120.00	29,539
Conduit (exposed) - Steel	TN	1	374.94	374.94	426.00	159,724	0.00	0	120.00	44,993
Conduit Supports - Reinforced Concrete	CY	1	7,579.00	7,579.00	78.00	591,162	127.00	962,533	0.00	0
Cable Tray - Steel	TN	1	96.76	96.76	426.00	41,219	0.00	0	120.00	11,611
Power and Control Wiring - Insulated Copper	TN	1	581.18	581.18	720.00	418,451	0.00	0	2,100.00	1,220,481
Grounding Wire - Bare Copper	TN	1	27.13	27.13	720.00	19,534	0.00	0	5,000.00	135,655
Subtotal						1,934,830		1,270,000		2,247,949
Total Account 315						2,092,438		1,499,108		2,255,629

MANATEE DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
FERC Account 316										
Miscellaneous Power Plant Equipment										
Compressed Air Piping, Vlvs Under 4" - Steel	TN	1	128.62	128.62	426.00	54,790	0.00	0	120.00	15,434
Compressed Air Piping, Vlvs 4" to 8" - Steel	TN	1	5.09	5.09	264.00	1,344	0.00	0	120.00	611
Nitrogen Purge Piping, Vlvs Under 4" - Steel	TN	1	141.36	141.36	426.00	60,221	0.00	0	120.00	16,964
Total Account 316						116,356		0		33,009
TOTAL MANATEE UNITS 1 & 2						19,567,673		9,729,663		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	3,133.82	360.00	1,128,175	0.00	0	0.00	0
Pre-cast Pipe Clamps/ Supports - Concrete	CY	1	1,694.55	1,694.55	31.20	52,870	127.00	215,208	0.00	0
Valve Pits - Reinforced Concrete	CY	1	94.43	94.43	78.00	7,366	127.00	11,993	0.00	0
Subtotal						1,188,411		227,200		0
Manatee Fuel Oil Storage Facility										
Asphalt Paving	CY	1	609.54	609.54	31.20	19,018	127.00	77,412	0.00	0
Septic Tank System - Concrete	TN	1	2.00	2.00	299.00	598	0.00	0	0.00	0
Surge Basin - Reinforced Concrete	CY	1	59.82	59.82	78.00	4,666	127.00	7,597	0.00	0
Collection Sumps - Steel (total)	TN	1	12.31	12.31	264.00	3,250	0.00	0	120.00	1,477
Collection Sumps Foundations - Reinf Concrete	CY	1	30.46	30.46	78.00	2,376	127.00	3,868	0.00	0
Fuel Oil Purge Tank Foundation - Reinf Conc	CY	1	802.77	802.77	78.00	62,616	127.00	101,952	0.00	0
Sump Tanks - Steel (total)	TN	1	4.70	4.70	264.00	1,241	0.00	0	120.00	564
Yard Platforms, Walkways & Ladders - Steel	TN	1	26.00	26.00	264.00	6,864	0.00	0	120.00	3,120
Firemain Piping (4" & 12") & Hydrants - Steel	TN	1	28.00	28.00	360.00	10,080	0.00	0	120.00	3,360
Oily Waste Separator, Pump, Motor - Steel	TN	1	6.80	6.80	264.00	1,795	0.00	0	120.00	816
Diesel-driven Firepump/ Motor	TN	1	1.20	1.20	264.00	317	0.00	0	120.00	144
Motor-driven Firepump/ Motor	TN	1	1.00	1.00	426.00	426	0.00	0	120.00	120
500,000 bbl F/O Storage Tank & Mixers - Steel	TN	4	1,404.75	5,619.00	n/a	192,240	0.00	0	120.00	674,280
Fuel Oil Tank Foundation	EA	1	n/a	n/a	n/a	0	n/a	48,590	0.00	0
Fuel Oil Purge Tank - 37,000 bbl	TN	1	142.50	142.50	n/a	32,040	0.00	0	120.00	17,100
Fuel Oil Purge Tank - 37,000 bbl - Cleaning	EA	1	n/a	n/a	n/a	0	n/a	145,000	0.00	0
Fuel Oil Purge Tank - 37,000 bbl - Soil remediation	EA	1	n/a	n/a	n/a	0	n/a	18,414	0.00	0
Diesel Fuel Tank - TMT 1254 HTRS	TN	1	24.50	24.50	n/a	6,408	n/a	0	120.00	2,940
Diesel Fuel Tank Foundation - Reinf Concrete	CY	1	177.77	177.77	n/a	25,211	n/a	0	0.00	0
Diesel Fuel Tank - Cleaning Cost and Soil Remediation	1	1	n/a	n/a	n/a	0	n/a	6,173	0.00	0
500,000 bbl F/O Storage Tank Insulation	CY	4	680.00	2,720.00	60.00	163,200	17.00	46,240	0.00	0
500,000 bbl Tank Ladder & Platform - Steel	TN	4	2.85	11.40	264.00	3,010	0.00	0	120.00	1,368
Fuel Oil Tank Cleaning	EA	4	n/a	n/a	n/a	0	n/a	1,800,000	0.00	0
500,000 bbl Tank - Soil Remediation	EA	4	2,446.38	9,785.52	n/a	0	0.00	836,808	0.00	0
Fuel Oil Heating Boiler - Steel	TN	2	18.39	36.77	198.00	7,280	0.00	0	120.00	4,412
Fuel Oil Heat Exchanger - Steel	TN	2	5.45	10.90	264.00	2,878	0.00	0	120.00	1,308
Fuel Mainline Pump w/ 300 hp motor	TN	3	2.44	7.33	264.00	1,934	0.00	0	120.00	879
Fuel Mainline Pump Strainer - Iron	TN	3	1.02	3.06	264.00	808	0.00	0	120.00	367
Mainline Pmp/ Mtr/ Strmr Fndtn - Reinf Conc	CY	1	80.07	80.07	78.00	6,245	127.00	10,169	0.00	0
Fuel Oil Booster Pump w/ Motor	TN	2	1.21	2.42	264.00	639	0.00	0	120.00	290
Fuel Oil Booster Pump Strainer - Iron	TN	2	2.17	4.35	264.00	1,147	0.00	0	120.00	522
Pipeline Strainer (24") - Iron	TN	1	1.90	1.90	264.00	502	0.00	0	120.00	228
Pipeline Strainer (20") - Iron	TN	1	1.65	1.65	264.00	436	0.00	0	120.00	198

MANATEE DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
16" Piping, Vlvs to Martin Plant - Steel	TN	1	3,117.58	3,117.58	360.00	1,122,329	0.00	0	120.00	374,110
16" Pipeline Clamps - Steel	TN	1	8.76	8.76	426.00	3,732	0.00	0	120.00	1,051
Yard Piping, Vlvs Over 8" - Steel	TN	1	356.11	356.11	198.00	70,511	0.00	0	120.00	42,734
Yard Piping Supports - Steel	TN	1	10.00	10.00	198.00	1,980	0.00	0	120.00	1,200
Yard Piping Supports - Reinforced Concrete	CY	1	60.00	60.00	78.00	4,680	127.00	7,620	0.00	0
Meter Prover and Assoc Equipment - Steel	TN	1	13.00	13.00	264.00	3,432	0.00	0	120.00	1,560
Metering Installation - Steel	TN	1	21.30	21.30	264.00	5,623	0.00	0	120.00	2,556
Fuel Oil Purge Pump w/ motor	TN	1	1.00	1.00	426.00	426	0.00	0	120.00	120
Firepump Building - Concrete Block	CY	1	34.54	34.54	31.20	1,078	127.00	4,387	0.00	0
Firepump Building - Concrete Roofing	CY	1	25.77	25.77	31.20	804	127.00	3,273	0.00	0
Control Building - Concrete Block	CY	1	150.08	150.08	31.20	4,682	127.00	19,060	0.00	0
Control Building - Concrete Roofing	CY	1	140.00	140.00	31.20	4,368	127.00	17,780	0.00	0
Control Building - HVAC	TN	1	1.50	1.50	264.00	396	0.00	0	120.00	180
Building Foundations - Reinforced Concrete	CY	1	183.18	183.18	78.00	14,288	127.00	23,264	0.00	0
Subtotal						1,795,553		3,177,606		1,137,005
Total Account 311						2,983,964		3,404,807		1,137,005
FERC Account 315										
Accessory Electrical Equipment										
Manatee Fuel Oil Storage Facility										
Aux Power Transformer - 3750 kva	TN	1	11.00	11.00	426.00	4,686	0.00	0	120.00	1,320
Transformer - 500 kva	TN	1	1.40	1.40	426.00	594	0.00	0	120.00	167
480V Motor Control Cntrl/ 2400V Swgr Structure	TN	1	20.00	20.00	426.00	8,520	0.00	0	120.00	2,400
Mtr Cntrl Cntrl/ Switchgear Fndtn - Reinf Conc	CY	1	15.00	15.00	78.00	1,170	127.00	1,905	0.00	0
Emergency Diesel Generator & Assoc Equipment	TN	1	2.65	2.65	264.00	700	0.00	0	120.00	318
Neutral Grounding Transformer	TN	1	3.00	3.00	426.00	1,278	0.00	0	120.00	360
Transformer Copper	TN	1	6.16	6.16	444.00	2,734	0.00	0	5,000.00	30,790
Conduit - Steel	TN	1	264.00	264.00	426.00	112,464	0.00	0	120.00	31,680
Cable Trays - Steel	TN	1	9.24	9.24	426.00	3,936	0.00	0	120.00	1,109
Insulated Copper Wiring	TN	1	16.47	16.47	720.00	11,858	0.00	0	2,100.00	34,587
Bare Copper Wiring	TN	1	54.70	54.70	720.00	39,384	0.00	0	5,000.00	273,500
Supervisory Control Consoles (total)	TN	1	8.00	8.00	426.00	3,408	0.00	0	120.00	960
Total Account 315						190,733		1,905		377,191
TOTAL MANATEE FUEL OIL STORAGE FACILITY						3,174,696		3,406,712		1,514,196
TOTAL MANATEE COMMON, UNITS 1 & 2 AND FUEL OIL STORAGE FACILITY						25,878,687		17,149,271		12,211,131

Manatee Unit 3

Account 341: Structures and Improvements

Lighting and Fire Protection Systems

Yard Lighting	TN	1	11,000	5.50	426.00	2,343	0.00	0	120.00	660
Plant Lighting	TN	1	4,000	2.00	426.00	852	0.00	0	120.00	240
Fire Protection System Foundation	CY	1,325	0	53.00	78.00	4,134	127.00	6,731	0.00	0
Sanitary Sewer Piping Foundations	CY	1,230	0	18.22	78.00	1,421	127.00	2,314	0.00	0
						8,750		9,045		900

Power Block

Power Block - Structural Steel	TN	1,044		1,044.00	198.00	206,712	0.00	0	120.00	125,280
Base Plates	TN	4	160,000	80.00	198.00	15,840	0.00	0	120.00	9,600
Power Block - Handrail, Toeblock, Misc.	TN	2	20,000	10.00	426.00	4,260	0.00	0	120.00	1,200

MANATEE DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Power Block - Decking	TN	80,000	1,200,000	600.00	426.00	255,600	0.00	0	120.00	72,000
Power Block - Ladders, Stairs & Platforms	TN	100		100.00	426.00	42,600	0.00	0	120.00	12,000
HRSG Structural/Ductwork	TN	4	1,680,400	840.20	264.00	221,813	0.00	0	120.00	100,824
Power Block Grade Slab Concrete	CY	4,000		4,000.00	78.00	312,000	127.00	508,000	0.00	0
Power Block Structure Foundation Concrete	CY	5,000		5,000.00	78.00	390,000	127.00	635,000	0.00	0
Power Block Elevated Slabs	CY	1,000		1,000.00	78.00	78,000	127.00	127,000	0.00	0
HRSG Analyzer Building	CY	1,000		200.00	78.00	15,600	127.00	25,400	0.00	0
HRSG DCS Building	CY	1,100	0.22	244.44	78.00	19,067	127.00	31,044	0.00	0
						1,561,491		1,326,444		320,904
Open Cooling Water System										
OCW System 2" & < - Pipe	TN	450	1,350	0.68	264.00	178	0.00	0	120.00	81
OCW System 2 1/2" & > - Pipe	TN	1,500	165,000	82.50	198.00	16,335	0.00	0	120.00	9,900
OCW Duplex Basket Strainers	TN	4	1,200	0.60	264.00	158	0.00	0	120.00	72
Open Cooling Water Pumps	TN	4	94,400	47.20	198.00	9,346	0.00	0	120.00	5,664
Open Cooling Water Booster Pumps	TN	3	19,605	9.80	198.00	1,941	0.00	0	120.00	1,176
						27,958		0		16,893
Pond Water System										
Pond Water System 2" & < - Pipe	TN	330	990	0.50	264.00	131	0.00	0	120.00	59
Pond Water System 2 1/2" & > - Pipe	TN	1,225	12,250	6.13	198.00	1,213	0.00	0	120.00	735
Pond Water Booster Pumps	TN	2	13,070	6.54	198.00	1,294	0.00	0	120.00	784
						2,637		0		1,579
Water Treatment System										
Service Water System 2" & < - Pipe	TN	2,800	8,400	4.20	198.00	1,109	0.00	0	120.00	504
Service Water System 2 1/2" & > - Pipe	TN	900	9,000	4.50	198.00	351	0.00	0	120.00	540
Service Water Pumps	TN	4	4,540	2.27	264.00	599	0.00	0	120.00	272
HRSG Blowdown Tank Sump	CY	200		200.00	78.00	15,600	127.00	25,400	0.00	0
Wastewater System 2" & < - Pipe	TN	1,230	3,690	1.85	264.00	487	0.00	0	120.00	221
Power Block Drainage Pipe Foundations	CY	4,290	0	63.56	31.20	1,983	127.00	8,072	0.00	0
Wastewater System 2 1/2" & > - Pipe	TN	15,600	468,000	234.00	198.00	46,332	0.00	0	120.00	28,080
Sump Pumps	TN	42	21,000	10.50	198.00	2,079	0.00	0	120.00	1,260
Sump Pumps & Miscellaneous	TN	12	6,000	3.00	198.00	594	0.00	0	120.00	360
Potable Water System	CY	2,000	0	29.63	31.20	924	127.00	3,763	0.00	0
Pipe Rack Drilled Piers - Concrete	CY	900		900.00	78.00	70,200	127.00	114,300	0.00	0
						140,259		151,535		31,238
Account 341 Totals:						1,741,096		1,487,024		371,514
Account 342: Fuel Holders, Producers and Accessories										
Gas System										
Natural Gas System 2" & < - Pipe	TN	40	120	0.06	264.00	16	0.00	0	120.00	7
Gas Piping	TN	2,000	220,000	110.00	264.00	29,040	0.00	0	120.00	13,200
Natural Gas System 2 1/2" & > - Pipe	TN	500	55,000	27.50	198.00	5,445	0.00	0	120.00	3,300
Liquid Fuel System 2 1/2" & > - Pipe	TN	2,500	75,000	37.50	198.00	7,425	0.00	0	120.00	4,500
Account 342 Totals:						41,926		0		21,007
Account 343: Prime Movers										
HRSG Foundation	CY	1,212		1,212.00	78.00	94,536	127.00	153,924	0.00	0
HRSG Mechanical	TN	4	1,270,400	635.20	150.00	95,280	0.00	0	120.00	76,224

MANATEE DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Mechanical Finishes - Casings	TN	1	132,900	66.45	198.00	13,157	0.00	0	120.00	7,974
Modules - Unit 3	TN	4	18,805,200	9,402.60	150.00	1,410,390	0.00	0	120.00	1,128,312
HRSG Blowdown System 2 1/2" & > - Pipe	TN	800	56,000	28.00	198.00	5,544	0.00	0	120.00	3,360
Electrical & Controls - Unit 3	TN	2	110,000	55.00	264.00	14,520	0.00	0	120.00	6,600
						1,633,427		153,924		1,222,470
Feedwater System										
Feedwater System 2" & < - Pipe	TN	3,000	9,000	4.50	264.00	1,188	0.00	0	120.00	540
Feedwater System 2 1/2" & > - Pipe	TN	2,500	175,000	87.50	264.00	23,100	0.00	0	120.00	10,500
HRSG HP Feedwater Pumps	TN	3	111,600	55.80	264.00	14,731	0.00	0	120.00	6,696
HRSG LP Feedwater Pumps	TN	3	111,600	55.80	264.00	14,731	0.00	0	120.00	6,696
HRSG Feed Pump Foundations Concrete	CY	900	1	900.00	78.00	70,200	127.00	114,300	0.00	0
H P Feed Pumps - Insulation	CY	1,200	0	13.33	60.00	800	17.00	227	0.00	0
L P Feed Pumps - Insulation	CY	500	0.01	5.56	60.00	333	17.00	94	0.00	0
L/B Feedwater Piping - Insulation	CY	2,547	0.04	99.05	60.00	5,943	17.00	1,684	0.00	0
						131,027		116,305		24,432
Combustion Turbine										
Combustion Turbine Fdn Mat Concrete	CY	1	2,682	2,682.00	78.00	209,196	127.00	340,614	0.00	0
Condensate Pump Casings	TN	4	2,000	4.00	198.00	792	0.00	0	120.00	480
Misc. Mechanical Equipment Fdn Concrete	CY	1	300	300.00	78.00	23,400	127.00	38,100	0.00	0
CT Equipment Fdn Concrete Pads	CY	1	450	450.00	78.00	35,100	127.00	57,150	0.00	0
C.T. 3 Combustion Turbine	TN	4	377,000	754.00	150.00	113,100	0.00	0	120.00	90,480
CT 3 Insulation	CY	1	180	180.00	60.00	10,800	17.00	3,060	0.00	0
C.T. Interconnect Pipe 1 1/2" & >	TN	1	210	210.00	198.00	41,580	0.00	0	120.00	25,200
C.T. Interconnect Pipe 1 1/2" & <	TN	1	10	9.50	198.00	1,881	0.00	0	120.00	1,140
						435,849		438,924		117,300
Main Steam System										
Main Steam System 2 1/2" & > Pipe	TN	7,500	3,375,000	1,687.50	198.00	334,125	0.00	0	120.00	202,500
L/B Main Steam Piping - Insulation	CY	5,600	0.04	217.78	60.00	13,067	17.00	3,702	0.00	0
Aux Boiler System 2" & < - Pipe	TN	1,000	3,000	1.50	264.00	396	0.00	0	120.00	180
Aux Boiler System 2 1/2" & > - Pipe	TN	400	12,000	6.00	198.00	1,188	0.00	0	120.00	720
L/B Auxiliary Boiler Piping - Insulation	CY	900	0.02	15.00	60.00	900	17.00	255	0.00	0
L/B Piping - Insulation	CY	450	0.02	7.50	60.00	450	17.00	128	0.00	0
						350,126		4,085		203,400
Blowdown System										
HRSG Blowdown System 2" & Under - Pipe	TN	900	2,700	1.35	264.00	356	0.00	0	120.00	162
HRSG Blowdown Tanks	TN	4	18,960	9.48	198.00	1,877	0.00	0	120.00	1,138
Main Steam Drain Tanks	TN	4	11,500	5.75	198.00	1,139	0.00	0	120.00	690
HRSG Blowdown Tanks - Insulation	CY	600	0	6.67	60.00	400	17.00	113	0.00	0
Steam Drain Tanks - Insulation	CY	1,200	0.01	13.33	60.00	800	17.00	227	0.00	0
Mechanical Finishes - Insulation	CY	2	50	100.00	60.00	6,000	17.00	1,700	0.00	0
						10,572		2,040		1,990
Steam Turbine										
Steam Turbines - Insulation	CY	1,080	0.01	12.00	60.00	720	17.00	204	0.00	0
Main Steam System 2" & < - Pipe	TN	5,100	30,600	15.30	264.00	4,039	0.00	0	120.00	1,836
Steam Turbine Base Plates	TN	2	100,000	50.00	150.00	7,500	0.00	0	120.00	6,000
Steam Turbine & Accessories	TN	2	700,000	350.00	198.00	69,300	0.00	0	120.00	42,000

MANATEE DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Hydraulic Power Unit	TN	2	6,000	3.00	198.00	594	0.00	0	120.00	360
Instrument Tubing	TN	25,000	12,500	6.25	264.00	1,650	0.00	0	120.00	750
						83,803		204		50,946
Condensate System										
Condensate System 2" & < - Pipe	TN	2,500	7,500	3.75	264.00	990	0.00	0	120.00	450
Condensate System 2 1/2" & > - Pipe	TN	3,000	330,000	165.00	198.00	32,670	0.00	0	120.00	19,800
L/B Condensate Piping - Insulation	CY	4,000	0.02	66.67	60.00	4,000	17.00	1,133	0.00	0
Condenser Vacuum Pump Skid & Equip	TN	2	5,000	2.50	198.00	495	0.00	0	120.00	300
Condensate Storage Tank Fdn	CY	280		280.00	78.00	21,840	127.00	35,560	0.00	0
Condensate Make-Up Pumps	TN	2	3,000	1.50	198.00	297	0.00	0	120.00	180
HRSG Chemical Fd. System 2" & < - Pipe	TN	1,300	3,900	1.95	264.00	515	0.00	0	120.00	234
HRSG Chemical Feed Skids	TN	2	30,000	15.00	198.00	2,970	0.00	0	120.00	1,800
Lube Oil Storage Tanks	TN	2	13,040	6.52	198.00	1,291	0.00	0	120.00	782
Miscellaneous Process Tanks	TN	4	21,200	10.60	198.00	2,099	0.00	0	120.00	1,272
Condensate Transfer System 2" & < - Pipe	TN	2,500	7,500	3.75	264.00	990	0.00	0	120.00	450
Condensate Transfer System 2 1/2" & > - Pipe	TN	6,500	195,000	97.50	198.00	19,305	0.00	0	120.00	11,700
Condensate Pumps	TN	4	125,600	62.80	198.00	12,434	0.00	0	120.00	7,536
Condensate Transfer Pumps	TN	4	9,560	4.78	198.00	946	0.00	0	120.00	574
Condensate Storage Tanks	TN	2	4,780	2.39	198.00	473	0.00	0	120.00	287
Bulk Gas System 2" & < - Pipe	TN	7,000	21,000	10.50	264.00	2,772	0.00	0	120.00	1,260
Condensers	TN	2	665,000	332.50	198.00	65,835	0.00	0	2,000.00	665,000
Gland Steam Condensers	TN	2	10,000	5.00	198.00	990	0.00	0	120.00	600
Condensate Air Rem System 2" & < - Pipe	TN	1,500	4,500	2.25	264.00	594	0.00	0	120.00	270
Condensate Air Rem System 2 1/2" & > - Pipe	TN	400	12,000	6.00	198.00	1,188	0.00	0	120.00	720
						172,695		36,693		713,215
Circulating Water System										
Circulating Water System 2" & < - Pipe	TN	749	2,247	1.12	264.00	297	0.00	0	120.00	135
Circulating Water System 2 1/2" & > - Pipe	TN	159	4,770	2.39	198.00	472	0.00	0	120.00	286
L/B Circulating Water Piping - Insulation	CY	8	0.04	0.31	60.00	19	17.00	5	0.00	0
Circulating Water Pumps	TN	2	95,950	47.98	264.00	12,665	0.00	0	120.00	5,757
C W Chem Tr System 2" & < - Pipe	TN	500	1,500	0.75	264.00	198	0.00	0	120.00	90
24" Diameter ICW Pipe	CY	100	0.44	44.44	299.00	13,289	0.00	0	0.00	0
84" Diameter ICW Pipe	CY	400	1.56	622.22	299.00	186,044	0.00	0	0.00	0
Concrete - Cofferdam Area	CY	350		350.00	78.00	27,300	127.00	44,450	0.00	0
66" Diameter Inground CW Pipe	CY	20	1.22	24.44	299.00	7,309	0.00	0	0.00	0
						247,593		44,455		6,268
Screen Wash System										
Intake Bar Rack & Cleaning Rake	TN	2	10,000	5.00	264.00	1,320	0.00	0	120.00	600
Intake Traveling Screens	TN	2	64,000	32.00	264.00	8,448	0.00	0	120.00	3,840
Screen Wash Bubbler System Equipment	TN	2	2,000	1.00	264.00	264	0.00	0	120.00	120
Screen Wash System 2" & < - Pipe	TN	60	180	0.09	264.00	24	0.00	0	120.00	11
Screen Wash System 2 1/2" & > - Pipe	TN	320	3,200	1.60	198.00	317	0.00	0	120.00	192
Screen Wash Pumps	TN	2	3,080	1.54	198.00	305	0.00	0	120.00	185
						10,677		0		4,948
HRSG Stack										
HRSG Stack Foundation Concrete	CY	1,550		1,550.00	78.00	120,900	127.00	196,850	0.00	0
Stacks - Unit 3	TN	4	1,054,000	527.00	198.00	104,346	0.00	0	120.00	63,240
Gland Steam Condenser - Insulation	CY	150	0	1.67	60.00	100	17.00	28	0.00	0
						225,346		196,878		63,240

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo- nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Lube Oil System										
Lube Oil System - 2" & < Pipe	TN	2,000	6,000	3.00	264.00	792	0.00	0	120.00	360
Lube Oil System - 2 1/2" & > Pipe	TN	350	10,500	5.25	198.00	1,040	0.00	0	120.00	630
Lube Oil Transfer/Return Pumps	TN	2	3,000	1.50	198.00	297	0.00	0	120.00	180
S.T. Lube Oil Reservoir	TN	2	20,000	10.00	198.00	1,980	0.00	0	120.00	1,200
Turbo Lube Oil Conditioner	TN	2	4,000	2.00	198.00	396	0.00	0	120.00	240
						4,505		0		2,610
Cranes and Hoists										
Miscellaneous Monorails & Hoists	TN	15	75,000	37.50	264.00	9,900	0.00	0	120.00	4,500
Combustion Turbine										
C.T. Atomizing Air Skids	TN	2	90,000	45.00	264.00	11,880	0.00	0	120.00	5,400
C.T. Exhaust Frame Cooling Fan Skids	TN	2	24,000	12.00	264.00	3,168	0.00	0	120.00	1,440
C.T. Startling Motor Skids	TN	2	110,000	55.00	264.00	14,520	0.00	0	120.00	6,600
C.T. Water Wash Skids	TN	2	52,000	26.00	264.00	6,864	0.00	0	120.00	3,120
C.T. Lube Oil Skids	TN	2	214,000	107.00	264.00	28,248	0.00	0	120.00	12,840
C.T. Fuel Gas Skids	TN	2	176,000	88.00	264.00	23,232	0.00	0	120.00	10,560
C.T. Halon Skids	TN	2	10,000	5.00	264.00	1,320	0.00	0	120.00	600
						89,232		0		40,560
Closed Cooling Water System										
Closed Cooling Water Heat Exchanger	TN	2	58,676	29.34	264.00	7,745	0.00	0	120.00	3,521
CCW System 2" & < - Pipe	TN	3,678	11,034	5.52	264.00	1,456	0.00	0	120.00	662
CCW System 2 1/2" & > - Pipe	TN	4,868	146,040	73.02	198.00	14,458	0.00	0	120.00	8,762
Closed Cooling Water Pumps	TN	3	9,750	4.88	198.00	965	0.00	0	120.00	585
						24,625		0		13,530
Account 343 Totals						3,420,376		993,509		2,469,408
Account 344: Generators										
Steam Turbine Foundation Mat Concrete	CY	1,200		1,200.00	78.00	93,800	127.00	152,400	0.00	0
Steam Turbine Pedestal Concrete	CY	920		920.00	78.00	71,760	127.00	116,840	0.00	0
C.T. 3 Generator	TN	4	1,256,000	628.00	150.00	94,200	0.00	0	120.00	75,360
C.T. Generator Exit Skids	TN	5	50,000	25.00	150.00	3,750	0.00	0	120.00	3,000
Generator Copper	TN	5	180,000	90.00	588.00	52,920	0.00	0	5,000.00	450,000
Generator	TN	1	2,000,000	1,000.00	150.00	150,000	0.00	0	120.00	120,000
						466,230		269,240		648,360
Account 344 Totals						466,230		269,240		648,360

MANATEE DISMANTLEMENT STUDY

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 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	125,000	62.50	198.00	16,500	0.00	0	120.00	7,500
Transformer Copper	TN			25.00	444.00	11,100	0.00	0	5,000.00	125,000
Instrumentation	TN	1,500	30,000	15.00	264.00	1,170	0.00	0	120.00	1,800
						28,770		0		134,300
Electrical Equipment										
Electrical Equipment Pads Concrete	CY	125		125.00	78.00	9,750	127.00	15,875	0.00	0
Uninterruptible Power Supply	TN	1	1,000	0.50	264.00	132	0.00	0	120.00	60
Station Battery Charger & Panels	TN	2	12,000	6.00	264.00	1,584	0.00	0	120.00	720
Grounding & Cathodic Protection	TN	5	275,000	137.50	264.00	36,300	0.00	0	120.00	16,500
Grounding Grid (Incl. Pads Rods)	TN	22,135	11,068	5.53	264.00	1,461	0.00	0	120.00	664
Lightning Protection	TN	1	5,000	2.50	264.00	660	0.00	0	120.00	300
Embedded Conduits Foundations	CY	75,000	0.006	444.44	78.00	34,667	127.00	56,444	0.00	0
Power & Control Conduits	TN	131,592	328,980	164.49	264.00	43,425	0.00	0	120.00	19,739
Cable Tray	TN	18,260	456,488	228.24	264.00	60,256	0.00	0	120.00	27,389
Concrete Duct Banks	CY	3,000		3,000.00	78.00	234,000	127.00	381,000	0.00	0
Electrical Manholes	CY	23	2.8	63.89	31.20	1,993	127.00	8,114	0.00	0
Isophase Bus	TN	2,250	90,000	45.00	264.00	11,880	0.00	0	120.00	5,400
Main Control Boards	TN	2	13.3	26.67	264.00	7,040	0.00	0	120.00	3,200
Miscellaneous Relay Panels	TN	18	0	5.33	264.00	1,408	0.00	0	120.00	640
Instrument Racks	TN	162	32,400	16.20	264.00	4,277	0.00	0	120.00	1,944
Annunciators	TN	1	5	5.00	264.00	1,320	0.00	0	120.00	600
Miscellaneous Power Transformers	TN	1	55,000	27.50	264.00	7,260	0.00	0	120.00	3,300
208/120V AC Distribution Panels	TN	3	0	0.89	264.00	235	0.00	0	120.00	107
480 V Load Centers	TN	3	15,000	7.50	264.00	1,980	0.00	0	120.00	900
480 V Motor Control Centers	TN	17	85,000	42.50	264.00	11,220	0.00	0	120.00	5,100
480V AC Distribution Panels	TN	3	0	3.30	264.00	871	0.00	0	120.00	396
Power Cable - 8KV	TN	86,514	181,939	90.97	720.00	65,498	0.00	0	120.00	10,916
Power Cable - Medium Voltage	TN	304,187	91,256	45.63	720.00	32,852	0.00	0	120.00	5,475
Electrical Switchgear Foundation Concrete	CY	882		882.00	78.00	68,796	127.00	112,014	0.00	0
Non-Seg Bus	TN	889	35,560	17.78	264.00	4,694	0.00	0	120.00	2,134
4.16 KV Switchgear	TN	3	15,000	7.50	264.00	1,980	0.00	0	120.00	900
Control Cable	TN	689,268	48,249	24.12	720.00	17,370	0.00	0	120.00	2,895
Instrumentation Cable	TN	393,974	19,699	9.85	720.00	7,092	0.00	0	120.00	1,182
Distributed Control System	TN	2	10,000	5.00	264.00	1,320	0.00	0	120.00	600
						671,320		573,447		111,061
Account 345 Totals						700,090		573,447		245,361
Account 346: Miscellaneous Plant Equipment										
Compressed Air Piping	TN	10,028	30,085	15.04	264.00	3,971	0.00	0	120.00	1,805
Instrument Air System 2" & < Pipe	TN	136	407	0.20	264.00	54	0.00	0	120.00	24
Service Air System 2" & < Pipe	TN	2,660	7,980	3.99	264.00	1,053	0.00	0	120.00	479
Instrument Air System 2 1/2" & > Pipe	TN	438	4,382	2.19	198.00	434	0.00	0	120.00	263
Service Air System 2 1/2" & > Pipe	TN	548	5,475	2.74	198.00	542	0.00	0	120.00	329

03

MANATEE DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo- nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Instrument Air Compressors, Rec, & Dryers	TN	2	27,180	13.59	264.00	3,588	0.00	0	120.00	1,631
Plant Communications & Phones	TN	2	6,000	3.00	264.00	792	0.00	0	120.00	360
Heat Tracing	TN	2	3,750	1.88	264.00	495	0.00	0	120.00	225
Fire Protection/Detection Equipment	TN	2	7,500	3.75	264.00	990	0.00	0	120.00	450
Miscellaneous Electrical Items	TN	2		20.00	264.00	5,280	0.00	0	120.00	2,400
Account 346 Totals						17,199		0		7,966
Unit 3 Totals						6,395,917		3,323,220		3,763,615
Grand Totals Martin Fossil, Fuel Oil Facility and Combined Cycle						32,274,604		20,472,492		15,974,746

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 (HRSGs), 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. 030558-EI, Order No. PSC-04-0086-PAA-EI, issued on January 27, 2004. The current accruals became effective as of January 1, 2003.

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	2,200,688	2,413,295	362,310	4,251,673
312	Boiler Plant Equipment	63,984	0	35,423	28,562
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	258,379	12,901	74,648	196,632
316	Miscellaneous Equipment	934	0	490	444
	Subtotal	2,523,985	2,426,196	472,871	4,477,310
<u>Other Site Costs:</u>					
	Site Management Expenses	1,034,092			1,034,092
	Asbestos Abatement Costs	235,000			235,000
	Special Waste & Washwater	208,695			208,695
	Intake & Discharge Backfill	140,502			140,502
	Grading & Seeding	5,691,673			5,691,673
	Subtotal	7,309,962	0	0	7,309,962
	Total Production Plant & Other Site Costs	9,833,947	2,426,196	472,871	11,787,272
	Contingency - 16%	1,573,431	388,191		1,961,623
	Subtotal including Contingency	11,407,378	2,814,387	472,871	13,748,895
	Unusable M&S Inventory	800,000	0	80,000	720,000
	Total Common to All Units Including Unusable	12,207,378	2,814,387	552,871	14,468,895
<u>Martin Fuel Oil Storage Facility</u>					
311	Structures and Improvements	5,446,219	3,443,059	2,587,476	6,301,802
312	Boiler Plant Equipment	0	0	0	0
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	114,166	3,298	199,397	(81,932)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	5,560,386	3,446,357	2,786,873	6,219,870
	Contingency - 16%	889,662	551,417		1,441,079
		6,450,047	3,997,775	2,786,873	7,660,949
	Unusable M&S Inventory	4,262,081	0	426,208	3,835,873
	Total Common to Fossil Including Unusable In	10,712,128	3,997,775	3,213,081	11,498,822
<u>Martin Units 1 & 2</u>					
311	Structures and Improvements	5,169,069	2,459,726	284,349	7,344,446
312	Boiler Plant Equipment	8,496,223	3,082,192	4,353,934	7,224,481
314	Turbogenerator Units	1,246,296	629,330	2,901,902	(1,026,276)
315	Accessory Electrical Equipment	1,558,839	764,554	2,097,891	225,502
316	Miscellaneous Equipment	100,842	0	33,009	67,833
	Subtotal	16,571,269	6,935,802	9,671,084	13,835,986
	Contingency - 16%	2,651,403	1,109,728		3,761,131
	Total Martin Units 1 & 2	19,222,672	8,045,530	9,671,084	17,597,118
<u>Martin Unit 3</u>					
341	Structures and Improvements	1,484,704	1,225,465	411,975	2,298,193
342	Fuel Holders, Producers and Accessories	60,749	55	31,724	29,080
343	Prime Movers	1,679,659	552,766	2,024,223	208,203
344	Generators	173,296	130,498	152,280	151,514
345	Accessory Electric Equipment	501,732	302,004	466,173	337,563
346	Miscellaneous Power Plant Equipment	15,247	0	7,341	7,906
	Subtotal	3,915,389	2,210,788	3,093,716	3,032,460
	Contingency - 16%	626,462	353,726		980,188
	Total Martin Unit 3	4,541,851	2,564,514	3,093,716	4,012,648
<u>Martin Unit 4</u>					
341	Structures and Improvements	918,487	663,290	715,957	865,819
342	Fuel Holders, Producers and Accessories	25,967	0	14,868	11,099
343	Prime Movers	1,737,598	553,252	2,268,789	22,061
344	Generators	169,256	131,338	152,280	148,314
345	Accessory Electric Equipment	390,965	295,754	145,521	541,198
346	Miscellaneous Power Plant Equipment	11,690	0	6,233	5,457
	Subtotal	3,253,963	1,643,633	3,303,648	1,593,948
	Contingency - 16%	520,634	262,981		783,615
	Total Martin Unit 4	3,774,597	1,906,614	3,303,648	2,377,564

MARTIN
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Martin Unit 8				
341	Structures & Improvements	1,608,876	1,280,066	373,815	2,515,126
342	Fuel Holders, Producers and Accessories	61,234	1,078,462	26,400	1,113,296
343	Prime Movers	2,882,422	826,095	2,418,752	1,289,764
344	Generators	943,102	258,990	809,160	392,932
345	Accessory Electrical Equipment	650,511	440,860	632,382	458,989
346	Miscellaneous Power Plant Equipment	15,188	0	7,966	7,222
	Subtotal	6,161,332	3,884,472	4,268,476	5,777,329
	Contingency - 16%	985,813	621,516		1,607,329
	Total Martin Unit 8	7,147,146	4,505,988	4,268,476	7,384,658
	Total Dismantlement Costs	57,605,772	23,834,808	24,102,875	57,337,704

MARTIN
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Martin Common	3,870,028	6,842,100	3,997,775	3,213,081	11,496,822
Martin Units 1 & 2	11,533,603	7,689,069	8,045,530	9,671,084	17,597,118
Martin Common Combined Cycle	2,119,977	2,213,318	2,814,387	552,871	6,594,811
Martin Unit 3	2,725,110	1,816,740	2,564,514	3,093,716	4,012,648
Martin Unit 4	2,264,758	1,509,839	1,906,614	3,303,648	2,377,564
Martin Unit 8	4,288,287	2,858,858	4,505,988	4,268,476	7,384,658
Total	26,801,764	22,929,924	23,834,808	24,102,875	49,463,620

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 \$160,000.

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.

MARTIN DISMANTLEMENT STUDY

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	\$31.24	X	6	=	\$187.43
Foreman	\$39.77	X	1	=	\$39.77
Heavy Equipment Operator	\$38.09	X	1	=	\$38.09
Total Cost per hour of 8 man crew					<u>\$265.30</u>
Cost per man hour			\$265.30 / 8 =		<u><u>\$33.16</u></u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					22,749.18
Front End Loader					2,567.43
Cutting Equipment					<u>231.75</u>
Total per month					25,548.35
25,548.35	/	176	hours per month =		145.16
Cost per man hour			\$145.16 / 8 =		\$18.15
Plus: amount for small tools					<u>1.00</u>
Total Cost per man hour					<u><u>\$19.15</u></u>

MARTIN DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$33.16
Equipment	19.15
Total	<u>\$52.31</u>
Rounded	<u>\$52.00</u>
For Concrete demolition add \$5.00 per hour additional equipment charge.	<u>\$57.00</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)	\$52.00	2.50 MH / Ton	\$130.00 / Ton
Heavy Steel (2)	\$52.00	3.30 MH / Ton	\$171.60 / Ton
General Steel	\$52.00	4.40 MH / Ton	\$228.80 / Ton
Light Steel	\$52.00	7.10 MH / Ton	\$369.20 / Ton
Concrete	\$57.00	0.48 MH / CY	\$27.36 / CY
Reinforced Concrete	\$57.00	1.20 MH / CY	\$68.40 / CY
Copper-Elect. Cable & Generator Leads	\$52.00	12.00 MH / Ton	\$624.00 / Ton
Copper - Generator	\$52.00	9.80 MH / Ton	\$509.60 / Ton
Copper - Transformer	\$52.00	7.40 MH / Ton	\$384.80 / Ton
General Insulation	\$52.00	1.00 MH / CY	\$52.00 / CY
Inground Pipe-Metal(3)	\$52.00	6.00 MH / Ton	\$312.00 / Ton
Concrete Pipe	\$57.00	4.60 MH / Ton	\$262.20 / 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 Landfill. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of \$38.60/ton and per haul charges were obtained from Waste Management. The per haul charges are \$178.00 per haul for a 20 cubic yard dumpster and \$188.00 per haul for a 30 cubic yard dumpster.

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

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	\$178.00 / haul	X	1 haul	=	178.00
Tipping Fees	\$38.60 / ton	X	30.5 tons	=	<u>1,177.30</u>
Total Cost per round Trip					1,355.30

MARTIN DISMANTLEMENT STUDY

Cost per Cubic Yard	\$1,355.30 / 15.38 cubic yards =	\$88.12
Plus 10% contractor profit		8.81
Total Cost per Cubic Yard		<u>\$96.93</u>
Rounded Cost per Cubic Yard		<u>\$97.00</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	\$188.00 / haul	X	1 haul	=	188.00
Tipping Fees	\$38.60 / ton	X	1.82 tons	=	<u>70.25</u>
Total Cost per round Trip					258.25
Cost per Cubic Yard	\$258.25 / 27 cubic yards =				\$9.56
Plus 10% contractor profit					0.96
Total Cost per Cubic Yard					<u>\$10.52</u>
Rounded Cost per Cubic Yard					<u>\$11.00</u>

MARTIN DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

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

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

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of \$19,202 per month, both office and site, and contractor's expenses of \$23,885 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	\$43,087
Number of months	24.00
Total Site Management Expenses	<u>\$1,034,092</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 \$39,120; the cost for the discharge is \$31,131.

	<u>Cost/Structure</u>	<u>Quantity</u>	
Intake	\$39,120	2	\$78,240
Discharge	\$31,131	2	\$62,262
			<u>\$140,502</u>

MARTIN DISMANTLEMENT STUDY

* 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 \$56,186 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	101.30
Cost Factor	<u>\$56,186</u>
Total Grading and Seeding Expense	<u><u>\$5,691,673</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	107,632
Tanks/Washwater	<u>45,763</u>
Total	<u><u>\$443,695</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	27.36	39,201	97.00	138,982	0.00	0
Yard Lighting - Copper Wiring (72'	TN	1	2.81	2.81	624.00	1,753	0.00	0	2100.00	5,901
Yard Lighting - PVC Conduit (20,;	TN	1	5.57	5.57	312.00	1,739	97.00	541	0.00	0
Railroad Rails - Steel (17,060	TN	1	565.00	565.00	369.20	208,598	0.00	0	120.00	67,800
Railroad Cross-ties	TN	1	853.00	853.00	27.36	23,338	97.00	82,741	0.00	0
Light Poles (35') - Concrete (126 t	CY	1	15.95	15.95	27.36	436	97.00	1,547	0.00	0
Subtotal						275,066		223,810		73,701
Domestic Water Supply										
Piping, Vlvs Under 4" - Steel	TN	1	41.88	41.88	369.20	15,463	0.00	0	120.00	5,026
Subtotal						15,463		0		5,026
Storm & Sanitary Sewer System										
Oil Separator Tank - 4,000 gal (fiberg	TN	2	4.20	8.39	369.20	3,098	0.00	0	0.00	0
Oil Separator Pump/ Motor	TN	2	1.00	2.00	369.20	738	0.00	0	120.00	240
Water Collecting Pond - Reinforced C	CY	1	594.00	594.00	68.40	40,630	97.00	57,618	0.00	0
Sewage Treatment - Steel Tanks & F	TN	1	30.97	30.97	228.80	7,086	0.00	0	120.00	3,716
Sewage Treatment Foundation - Reir	CY	1	23.00	23.00	68.40	1,573	0.00	0	0.00	0
Septic Tank - 750 gal (concrete)	TN	1	1.32	1.32	262.20	346	0.00	0	0.00	0
Catch Basins & Manholes - Reinforc	CY	1	692.00	692.00	68.40	47,333	97.00	67,124	0.00	0
Subtotal						100,804		124,742		3,956
Yard Fire Protection System										
Motor-driven Fire Pump/ Motor	TN	1	3.55	3.55	228.80	812	0.00	0	120.00	426
Fire Pump/ Motor Foundation - Reinf	CY	1	19.00	19.00	68.40	1,300	97.00	1,843	0.00	0
Engine-driven Fire Pump/ Motor	TN	1	1.21	1.21	228.80	277	0.00	0	120.00	145
Subtotal						2,389		1,843		571
Circulating and Service Water System										
Intake Structure										
Structures/ Foundations - Reinforced	CY	1	4,799.00	4,799.00	68.40	328,252	97.00	465,503	0.00	0
Structural Steel	TN	1	19.00	19.00	171.60	3,260	0.00	0	120.00	2,280
Handrailing, Grating, Checkerplate - :	TN	1	1.75	1.75	228.80	400	0.00	0	120.00	210
Cofferdam - Steel	TN	1	156.67	156.67	228.80	35,846	0.00	0	120.00	18,800
40-Ton Gantry Crane	TN	1	91.00	91.00	171.60	15,616	0.00	0	120.00	10,920
40-Ton Gantry Crane Track Rail - Ste	TN	1	4.65	4.65	369.20	1,717	0.00	0	120.00	558
Stop Logs - Reinforced Concrete	CY	1	47.11	47.11	68.40	3,222	97.00	4,570	0.00	0
Conduit - Aluminum	TN	1	1.49	1.49	369.20	551	0.00	0	1020.00	1,523
Subtotal						388,864		470,073		34,291
Service Water System										
Water Treatment Area Foundations -	CY	1	1,414.00	1,414.00	68.40	96,718	97.00	137,158	0.00	0
Structural Steel	TN	1	31.00	31.00	171.60	5,320	0.00	0	120.00	3,720

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Jnit of leasui	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	228.80	1,558	0.00	0	120.00	817
Demineralizer w/ 7.5 hp motor	TN	2	1.18	2.36	228.80	540	0.00	0	120.00	283
Demineralizer w/ 15 hp motor	TN	2	1.68	3.36	228.80	769	0.00	0	120.00	403
Conveyer System w/ 2 hp motor	TN	1	2.50	2.50	228.80	572	0.00	0	120.00	300
Coagulator Tank w/ motor	TN	1	19.90	19.90	171.60	3,415	0.00	0	120.00	2,388
Lime Tank & Mixer - Steel	TN	1	1.22	1.22	228.80	279	0.00	0	120.00	146
Alum Tank & Mixer - Steel	TN	1	1.62	1.62	228.80	371	0.00	0	120.00	194
Clearwell Tank - Steel	TN	1	25.00	25.00	171.60	4,290	0.00	0	120.00	3,000
Acid Feed Tank - Steel	TN	1	7.50	7.50	228.80	1,716	0.00	0	120.00	900
Sand Filter Tank - Steel	TN	4	12.60	50.40	171.60	8,649	0.00	0	120.00	6,048
Carbon Filter Tank - Steel	TN	1	1.79	1.79	228.80	408	0.00	0	120.00	214
Conduit - Aluminum	TN	1	1.75	1.75	369.20	645	0.00	0	1020.00	1,781
Subtotal						125,248		137,158		20,196
Raw Water Make-up System										
Raw Water Storage Tank - 500,000 g	TN	1	55.00	55.00	171.60	9,438	0.00	0	120.00	6,600
Piping, Vlvs 4" to 8" - Steel	TN	1	3.67	3.67	369.20	1,354	0.00	0	120.00	440
Piping, Vlvs	TN	1	33.94	33.94	312.00	10,591	0.00	0	120.00	4,073
Subtotal						21,382		0		11,113
Open Cooling Water System										
36" Piping/ Misc. Vlvs - Iron	TN	1	4.82	4.82	312.00	1,503	0.00	0	120.00	578
Subtotal						1,503		0		578
Other Service Water System										
Service Water Pump w/ 125 hp moto	TN	2	1.32	2.64	228.80	604	0.00	0	120.00	317
Treated Water Storage Tank - 500,000	TN	1	55.00	55.00	171.60	9,438	0.00	0	120.00	6,600
Potable Water Storage Tank - 14,000	TN	1	5.50	5.50	228.80	1,258	0.00	0	120.00	660
Piping, Vlvs Under 4" - Steel	TN	1	62.26	62.26	369.20	22,986	0.00	0	120.00	7,471
Piping, Vlvs 4" to 8" - Steel	TN	1	58.14	58.14	228.80	13,303	0.00	0	120.00	6,977
Subtotal						47,589		0		22,025
Neutralization Basin										
Acid Retention Basin - Reinforced Cc	CY	1	584.00	584.00	68.40	39,946	97.00	56,648	0.00	0
Recovered Service Water Pump w/ n	TN	2	2.25	4.50	228.80	1,030	0.00	0	120.00	540
Recovered Service Water Basin - Re	CY	1	151.00	151.00	68.40	10,328	97.00	14,647	0.00	0
Waste Water Treatment Control Pan	TN	1	1.55	1.55	369.20	572	0.00	0	120.00	186
Piping, Vlvs - Fiberglass	CY	1	16.26	16.26	27.36	445	97.00	1,577	0.00	0
Subtotal						52,321		72,872		726
Discharge Structure										
Circ Water Discharge Sluice Gate - Ir	TN	2	5.50	11.00	228.80	2,517	0.00	0	120.00	1,320
Structure - Reinforced Concrete	CY	1	739.00	739.00	68.40	50,548	97.00	71,683	0.00	0
Subtotal						53,064		71,683		1,320
Station Structures										
Calibration Shop - Concrete Block	CY	1	31.02	31.02	27.36	849	97.00	3,009	0.00	0
Acid Lift Station Pump w/ 100 hp mot	TN	2	4.80	9.60	228.80	2,195	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 motor	TN	2	4.59	9.18	228.80	2,099	0.00	0	120.00	1,101
90-Ton Gantry Crane w/ 30-Ton Auxiliaries	TN	1	178.90	178.90	171.60	30,699	0.00	0	120.00	21,468
90-Ton Gantry Crane Track Rail - Steel	TN	1	20.00	20.00	369.20	7,384	0.00	0	120.00	2,400
Control Bldg Foundation - Reinforced Concrete	CY	1	398.00	398.00	68.40	27,223	97.00	38,606	0.00	0
Control Bldg - Aluminum Siding	TN	1	15.27	15.27	369.20	5,638	0.00	0	1340.00	20,462
Control Bldg - Concrete Block	CY	1	105.77	105.77	27.36	2,894	97.00	10,260	0.00	0
Control Bldg - Aluminum Sheet Metal	TN	1	12.15	12.15	369.20	4,486	0.00	0	1340.00	16,281
Control Bldg - Built-up Roofing	CY	1	8.55	8.55	27.36	234	97.00	829	0.00	0
Control Bldg Phone Equipment Room	TN	1	7.60	7.60	171.60	1,304	0.00	0	120.00	912
Personnel Elevator - 2,000 lb capacity	TN	1	6.36	6.36	228.80	1,456	0.00	0	120.00	764
Freight Elevator - 10,000 lb capacity	TN	1	9.00	9.00	228.80	2,059	0.00	0	120.00	1,080
Freight Elevator - Structural Steel	TN	1	19.65	19.65	171.60	3,372	0.00	0	120.00	2,358
Subtotal						91,893		52,704		67,977
Fuel and Ash Structures										
Ash Disposal Basin - Reinforced Concrete	CY	1	2,852.00	2,852.00	68.40	195,077	97.00	276,644	0.00	0
Ash Disposal Basin - pH Analyzer	TN	1	2.00	2.00	369.20	738	0.00	0	120.00	240
Ash Disposal Basin Guard Rails	TN	1	1.88	1.88	228.80	430	0.00	0	120.00	226
Fuel Oil Transfer Pump w/ 100 hp motor	TN	3	3.20	9.60	228.80	2,196	0.00	0	120.00	1,152
F/O Transfer Pump Basket Strainer	TN	3	1.16	3.47	228.80	795	0.00	0	120.00	417
F/O Transfer Pump/Mtr Foundation	CY	1	185.00	185.00	68.40	12,654	97.00	17,945	0.00	0
Fuel Oil Transfer Heater - Steel	TN	4	9.23	36.92	228.80	8,447	0.00	0	120.00	4,430
Day/ Light Oil Tank / Dike - Reinforced Concrete	CY	1	635.00	635.00	68.40	43,434	97.00	61,595	0.00	0
Day/ Light Oil Tank Fire Wall - Reinforced Concrete	CY	1	477.00	477.00	68.40	32,627	97.00	46,269	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	19.96	19.96	369.20	7,367	0.00	0	120.00	2,395
Piping, Vlvs 4" to 8" - Steel	TN	1	4.84	4.84	228.80	1,108	0.00	0	120.00	581
Piping, Vlvs Over 8" - Steel	TN	1	217.10	217.10	171.60	37,254	0.00	0	120.00	26,052
Piping Supports - Reinforced Concrete	CY	1	966.00	966.00	68.40	66,074	97.00	93,702	0.00	0
Pipe Sleeves & Anchor Plates - Steel	TN	1	10.00	10.00	369.20	3,692	0.00	0	120.00	1,200
Piping 4" to 8" - Iron	TN	1	6.75	6.75	312.00	2,106	0.00	0	120.00	810
Piping Over 8" - Iron	TN	1	1.45	1.45	312.00	453	0.00	0	120.00	174
Insulation	CY	1	3.96	3.96	52.00	206	11.00	44	0.00	0
Subtotal						414,659		496,199		37,676
Service Building										
Superstructure - Reinforced Concrete	CY	1	440.00	440.00	68.40	30,096	97.00	42,680	0.00	0
Foundation - Reinforced Concrete	CY	1	840.00	840.00	68.40	57,456	97.00	81,480	0.00	0
Structural Steel	TN	1	30.00	30.00	171.60	5,148	0.00	0	120.00	3,600
Walls - Concrete Block	CY	1	494.39	494.39	27.36	13,526	97.00	47,956	0.00	0
Interior Partitions - Conc Block	CY	1	137.64	137.64	27.36	3,766	97.00	13,351	0.00	0
Pre-cast Floor Slabs - Concrete	CY	1	370.26	370.26	27.36	10,130	97.00	35,915	0.00	0
Pre-cast Roof Slabs - Concrete	CY	1	422.82	422.82	27.36	11,568	97.00	41,014	0.00	0
Built-up Roofing	TN	1	72.37	72.37	27.36	1,980	97.00	7,020	0.00	0
Air Conditioning Unit - 240,000 BTU	TN	1	2.25	2.25	228.80	515	0.00	0	120.00	270
Air Conditioning Unit - 167,000 BTU	TN	1	2.20	2.20	228.80	503	0.00	0	120.00	264
Air Conditioning Unit - 142,000 BTU	TN	1	1.00	1.00	369.20	369	0.00	0	120.00	120
5-Ton Machine Shop Bridge Crane	TN	1	2.37	2.37	228.80	542	0.00	0	120.00	284
Conduit - Aluminum	TN	1	1.78	1.78	369.20	658	0.00	0	1020.00	1,817
Piping, Vlvs Under 4" - Steel	TN	1	12.92	12.92	369.20	4,771	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	228.80	571	0.00	0	120.00	299
Piping 4" to 8" - Iron	TN	1	9.80	9.80	312.00	3,057	0.00	0	120.00	1,176
Subtotal						144,657		269,416		9,381
Other Buildings										
Foundations - Reinforced Concrete	CY	1	353.00	353.00	68.40	24,145	97.00	34,241	0.00	0
Walls - Concrete Block	8,16. CY	1	126.59	126.59	27.36	3,463	97.00	12,279	0.00	0
Pre-cast Roofs - Concrete	CY	1	60.48	60.48	27.36	1,655	97.00	5,867	0.00	0
Built-up Roofing	CY	1	11.30	11.30	27.36	309	97.00	1,096	0.00	0
Roof Supports - Steel (Intake Chlornt	TN	1	1.86	1.86	228.80	425	0.00	0	120.00	223
Subtotal						29,997		53,483		223
Warehouses										
Foundations - Reinforced Concrete	CY	1	4,529.00	4,529.00	68.40	309,784	97.00	439,313	0.00	0
Structural Steel	TN	1	469.50	469.50	171.60	80,566	0.00	0	120.00	56,340
Siding/ Roofing - Steel	TN	1	121.07	121.07	369.20	44,699	0.00	0	120.00	14,528
Fencing - Aluminum	TN	1	2.00	2.00	369.20	738	0.00	0	1340.00	2,680
Subtotal						435,787		439,313		73,548
Total Account 311						2,200,688		2,413,295		362,310
FERC Account 312										
Boiler Plant Service Equipment										
Feed Water System										
Strong Acid Cation Exchanger - Steel	TN	2	35.25	70.50	171.60	12,098	0.00	0	120.00	8,460
Weak Base Anion Exchanger - Steel	TN	2	19.50	39.00	171.60	6,692	0.00	0	120.00	4,680
Strong Base Anion Exchanger - Steel	TN	3	10.90	32.70	171.60	5,611	0.00	0	120.00	3,924
Mixed Bed Ion Exchanger - Steel	TN	2	11.68	23.35	171.60	4,007	0.00	0	120.00	2,802
Air Compressor - 308 cfm w/ 40 hp rr	TN	1	1.00	1.00	369.20	369	0.00	0	120.00	120
Acid Storage Tank - Steel	TN	1	48.50	48.50	171.60	8,323	0.00	0	120.00	5,820
Caustic Storage Tank - Steel	TN	1	7.50	7.50	228.80	1,716	0.00	0	120.00	900
Brine Measuring Tank - Steel	TN	1	3.66	3.66	228.80	837	0.00	0	120.00	439
Brine Recirculation Control Panel - S	TN	1	5.16	5.16	369.20	1,906	0.00	0	120.00	620
Subtotal						41,560		0		27,765
Boiler Wash System										
Caustic Wash Service Tank/ Agitator	TN	1	3.52	3.52	228.80	804	0.00	0	120.00	422
Caustic Wash Mixing Tank/ Agitator -	TN	1	2.65	2.65	228.80	606	0.00	0	120.00	318
Lime Slurry Mixing Tank/ Agitator - S	TN	1	1.93	1.93	228.80	441	0.00	0	120.00	231
Piping, Vlvs Under 4" - Steel	TN	1	55.72	55.72	369.20	20,573	0.00	0	120.00	6,687
Subtotal						22,424		0		7,658
Total Account 312						63,984		0		35,423
FERC Account 315										
Accessory Electrical Equipment										
Power Conversion Equipment										
Start-up Transformer (6.9kva)	TN	1	59.30	59.30	369.20	21,894	0.00	0	120.00	7,116
Start-up Switchgear (6.9kva)	TN	1	13.80	13.80	369.20	5,095	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	369.20	2,503	0.00	0	5000.00	33,900
Start-up Transformer Foundation - Re	CY	1	133.00	133.00	68.40	9,097	97.00	12,901	0.00	0
Station Svc Trnsfrmr - 2,500 kva (oil-	TN	1	7.80	7.80	369.20	2,880	0.00	0	120.00	936
480V Motor Control Center	TN	1	3.50	3.50	369.20	1,292	0.00	0	120.00	420
2400V Switchgear	TN	1	7.57	7.57	369.20	2,793	0.00	0	120.00	908
Neutral Grounding Transformer - Ste	TN	2	4.00	8.00	369.20	2,954	0.00	0	120.00	960
Emergency Diesel Generator & Acce	TN	1	11.83	11.83	228.80	2,706	0.00	0	120.00	1,419
480V Emergency Diesel Load Center	TN	1	3.70	3.70	369.20	1,366	0.00	0	120.00	444
Underground Conduit, Ducts - Reinf (CY	1	690.00	690.00	262.20	180,918	0.00	0	0.00	0
Conduit (underground) - Steel	TN	1	47.70	47.70	312.00	14,883	0.00	0	120.00	5,724
Conduit (exposed) - Steel	TN	1	11.12	11.12	369.20	4,106	0.00	0	120.00	1,335
Copper Wiring - Insulated	TN	1	9.44	9.44	624.00	5,892	0.00	0	2100.00	19,830
Total Account 315						258,379		12,901		74,648
FERC Account 316										
Miscellaneous Power Plant Equipment										
Station Air Compressor (880 CFM) w	TN	1	4.08	4.08	228.80	934	0.00	0	120.00	490
Total Account 316						934		0		490
TOTAL MARTIN COMMON						2,523,985		2,426,196		472,871
MARTIN UNITS 1 & 2										
FERC Account 311										
Improvements to Site										
Yard Piping Bridge										
Structural Steel	TN	1	164.00	164.00	171.60	28,142	0.00	0	120.00	19,680
Subtotal						28,142		0		19,680
Storm & Sanitary Sewer System										
Piping, Vlvs 4" to 8" - Steel	TN	1	13.56	13.56	228.80	3,103	0.00	0	120.00	1,628
Piping, Vlvs 4" to 8" - Iron	TN	1	95.71	95.71	312.00	29,862	0.00	0	120.00	11,485
Piping, Vlvs Over 8" - Iron	TN	1	71.64	71.64	312.00	22,352	0.00	0	120.00	8,597
Fiberglass Piping, Vlvs	TN	1	12.18	12.18	312.00	3,800	0.00	0	120.00	1,462
Piping Over 8" - Reinforced Concrete	TN	1	300.08	300.08	262.20	78,681	0.00	0	0.00	0
Subtotal						137,797		0		23,171
Yard Fire Protection System										
Piping, Vlvs 4" & Under - Steel	TN	1	5.02	5.02	369.20	1,852	0.00	0	120.00	602
Piping, Vlvs 4" to 8" - Steel	TN	1	6.00	6.00	228.80	1,374	0.00	0	120.00	720
Piping 4" to 8" - Iron	TN	1	2.16	2.16	312.00	673	0.00	0	120.00	259
Piping Over 8" - Iron	TN	1	132.39	132.39	312.00	41,307	0.00	0	120.00	15,887
Subtotal						45,206		0		17,469
Circulating and Service Water System										
Open Cooling Water System										
Intake Cooling Water Pump w/ motor	TN	2	6.90	27.60	228.80	6,315	0.00	0	120.00	3,312
Pump Basket Strainer (30") - Steel	TN	2	3.99	15.95	228.80	3,649	0.00	0	120.00	1,914
36" Piping - Reinforced Concrete	TN	1	1,034.91	2,069.82	262.20	542,706	0.00	0	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	58.27	116.54	369.20	43,027	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	228.80	16,119	0.00	0	120.00	8,454
Subtotal						611,817		0		27,665
Intake Structure Equipment & Piping										
Traveling Water Screen - Steel	TN	4	18.03	144.25	171.60	24,754	0.00	0	120.00	17,310
Screen Wash Pump w/ motor	TN	4	2.13	17.00	228.80	3,890	0.00	0	120.00	2,040
Trash Rake - Aluminum	TN	4	2.00	16.00	228.80	3,661	0.00	0	1340.00	21,440
5-ton Electric Hoist	TN	1	1.50	3.00	228.80	686	0.00	0	120.00	360
Intake Piping (66") - Reinforced Conc	CY	1	5,474.10	5,474.10	262.20	1,435,309	0.00	0	0.00	0
Subtotal						1,468,299		0		41,150
Discharge Piping										
Discharge Piping (66") - Reinforced C	CY	1	615.26	615.26	262.20	161,321	0.00	0	0.00	0
Discharge Piping (114") - Reinforced	CY	1	2,764.80	2,764.80	262.20	724,931	0.00	0	0.00	0
Subtotal						886,251		0		0
Station Structures										
Spread Footings - Reinforced Concre	CY	1	13,286.00	13,286.00	68.40	908,762	97.00	1,288,742	0.00	0
Footings, Piers & Grade Beams - Rei	CY	1	3,909.00	3,909.00	68.40	267,376	97.00	379,173	0.00	0
Ground Floor Slabs - Reinforced Con	CY	1	5,207.00	5,207.00	68.40	356,159	97.00	505,079	0.00	0
Turbine Generator Building - Structur	TN	1	892.00	892.00	171.60	153,067	0.00	0	120.00	107,040
T-G Bldg - Stairways & Handrailing	TN	1	60.16	60.16	228.80	13,765	0.00	0	120.00	7,219
Elevated Slabs - Reinforced Concret	CY	1	1,043.00	2,086.00	68.40	142,682	97.00	202,342	0.00	0
Grating & Floor Plating - Steel 7,1	TN	1	39.03	78.06	228.80	17,860	0.00	0	120.00	9,367
Lift Station Structure/ Fndation - Rein	CY	1	870.00	870.00	68.40	59,508	97.00	84,390	0.00	0
Lift Station Pump w/ 40 hp motor	TN	2	1.30	5.20	228.80	1,190	0.00	0	120.00	624
Lift Station Pump w/ 125 hp motor	TN	2	2.42	9.68	228.80	2,215	0.00	0	120.00	1,162
Conduit - Steel	TN	1	79.01	79.01	369.20	29,170	0.00	0	120.00	9,481
Insulated Copper Wiring	TN	1	2.90	2.90	624.00	1,811	0.00	0	2100.00	6,094
Piping, Vlvs Under 4" - Steel	TN	1	2.98	2.98	369.20	1,098	0.00	0	120.00	357
Piping, Vlvs 4" to 8" - Steel	TN	1	30.87	30.87	228.80	7,063	0.00	0	120.00	3,704
Piping, Vlvs Over 8" - Steel	TN	1	3.90	3.90	171.60	669	0.00	0	120.00	468
Piping, Vlvs Under 4" - Iron	TN	1	1.34	1.34	312.00	418	0.00	0	120.00	161
Piping, Vlvs 4" to 8" - Iron	TN	1	44.50	44.50	312.00	13,884	0.00	0	120.00	5,340
Piping, Vlvs Over 8" - Iron	TN	1	34.98	34.98	312.00	10,913	0.00	0	120.00	4,197
15" Piping - Reinforced Concrete	CY	1	15.05	15.05	262.20	3,946	0.00	0	0.00	0
Subtotal						1,991,556		2,459,726		155,214
Total Account 311						5,169,069		2,459,726		284,349
FERC Account 312										
Boiler Plant Service Equipment										
Fuel Oil Day Tank - Steel 24,00	TN	2	105.00	420.00	n/a	32,040	n/a	0	120.00	50,400
Fuel Oil Day Tank - Cleaning	EA	2			n/a	0	n/a	130,000	0.00	0
Fuel Oil Day Tank - Steel - Foundatic	EA	2			n/a	0	n/a	127,190	0.00	0
Fuel Oil Day Tank - Soil Remediation	EA	2			n/a	0	n/a	52,180	0.00	0
Fuel Oil Burner Pump Heater - Steel	TN	1	7.08	14.16	228.80	3,240	0.00	0	120.00	1,699
Light Oil Tank - Steel 142 bbl	TN	1	16.00	32.00	n/a	6,408	0.00	0	120.00	3,840
Light Oil Tank - Steel - Cleaning Cost					n/a	0	n/a	5,742	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	7,066	120.00	0
Light Oil Tank - Steel - Soil Remediation					n/a	0	n/a	2,899	120.00	0
Burner Fuel Oil Heater - Steel	TN	6	3.92	46.98	228.80	10,749	0.00	0	120.00	5,638
Fuel Oil Burner Pump/ Motor	TN	3	2.42	14.52	228.80	3,322	0.00	0	120.00	1,742
Basket Strainer (18") - Steel	TN	2	1.16	4.63	228.80	1,059	0.00	0	120.00	556
Fuel Oil Burner Booster Pump w/ mo	TN	2	4.74	18.96	228.80	4,338	0.00	0	120.00	2,275
Forced Draft Fan	TN	4	20.30	162.40	171.60	27,868	0.00	0	120.00	19,488
Forced Draft Fan Motor	TN	4	13.26	106.04	171.60	18,196	0.00	0	120.00	12,725
Insulation	CY	1	75.00	75.00	52.00	3,900	11.00	825	0.00	0
Forced Draft Fan Hydraulic Coupling	TN	4	7.75	62.00	228.80	14,186	0.00	0	120.00	7,440
Gas Induction Fan	TN	2	36.50	146.00	171.60	25,054	0.00	0	120.00	17,520
Gas Induction Fan Motor	TN	2	12.70	50.80	171.60	8,717	0.00	0	120.00	6,096
Gas Induction Fan Hydraulic Coupling	TN	2	9.25	37.00	228.80	8,466	0.00	0	120.00	4,440
F/D Fan & G/I Fan Foundations - Reinforced	CY	1	2,665.00	2,665.00	68.40	182,286	97.00	258,505	0.00	0
Breeching Foundations - Reinforced	CY	1	130.00	260.00	68.40	17,784	97.00	25,220	0.00	0
Steel Support - Fan Removal	TN	1	136.00	272.00	171.60	46,675	0.00	0	120.00	32,640
Ductwork - Steel (53,761 sf x 1	TN	1	274.18	548.37	228.80	125,466	0.00	0	120.00	65,804
Forced Draft Fan Hoist - 7 1/2 Ton	TN	2	1.35	5.40	228.80	1,236	0.00	0	120.00	648
Gas Induction Fan Hoist - 7 1/2 Ton	TN	2	1.19	4.76	228.80	1,089	0.00	0	120.00	571
Insulated Copper Wire	TN	1	4.17	8.34	624.00	5,204	0.00	0	2100.00	17,513
Conduit - Aluminum	TN	1	19.90	39.81	369.20	14,697	0.00	0	1020.00	40,605
Piping, Vlvs Under 4" - Steel	TN	1	122.18	122.18	369.20	45,111	0.00	0	120.00	14,662
Piping, Vlvs 4" to 8" - Steel	TN	1	80.37	80.37	228.80	18,388	0.00	0	120.00	9,644
Piping, Vlvs Over 8" - Steel	TN	1	118.31	118.31	171.60	20,302	0.00	0	120.00	14,198
Piping, Vlvs 4" to 8" - Iron	TN	1	39.50	39.50	312.00	12,323	0.00	0	120.00	4,740
Piping, Vlvs Over 8" - Iron	TN	1	66.35	66.35	312.00	20,700	0.00	0	120.00	7,962
Piping, Vlvs - Fiberglass	CY	1	1.75	1.75	27.36	48	11.00	19	0.00	0
15" Piping - Reinforced Concrete	CY	1	8.31	8.31	262.20	2,179	0.00	0	0.00	0
Piping Foundations - Reinforced Concrete	CY	1	214.00	214.00	68.40	14,638	97.00	20,758	0.00	0
Piping Insulation	CY	1	59.09	59.09	52.00	3,073	11.00	650	0.00	0
Subtotal						698,741		631,054		342,845
Boiler Plant Equipment										
Structural Steel	TN	1	6,214.00	6,214.00	171.60	1,066,322	0.00	0	120.00	745,680
Checkerplate - Steel	49,094 TN	1	220.92	441.84	228.80	101,093	0.00	0	120.00	53,021
Handrailing - Steel	12,216 TN	1	30.54	61.08	228.80	13,975	0.00	0	120.00	7,330
Steam Generation Unit - including:										
Steam Drum, Internals, Supports	TN	2	272.50	1,090.00	171.60	187,044	0.00	0	120.00	130,800
Burner Area & Windboxes	TN	1	81.50	163.00	171.60	27,971	0.00	0	120.00	19,560
Penthouse Area	TN	1	816.50	1,633.00	171.60	280,223	0.00	0	120.00	195,960
Heat Recovery Area	TN	1	293.00	586.00	171.60	100,558	0.00	0	120.00	70,320
Hopper Area	TN	1	13.50	27.00	171.60	4,633	0.00	0	120.00	3,240
Water Walls/ Headers	TN	1	1,753.00	3,506.00	171.60	601,630	0.00	0	120.00	420,720
Downcomers	TN	1	675.00	1,350.00	171.60	231,660	0.00	0	120.00	162,000
Air Preheater	TN	2	667.50	2,670.00	171.60	458,172	0.00	0	120.00	320,400
Steam Coil Air Heater	TN	1	15.24	30.48	171.60	5,230	0.00	0	120.00	3,658
Superheater	TN	1	1,001.00	2,002.00	171.60	343,543	0.00	0	120.00	240,240
Reheater	TN	1	942.50	1,885.00	171.60	323,466	0.00	0	120.00	226,200

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
Economizer	TN	1	731.50	1,463.00	171.60	251,051	0.00	0	120.00	175,560
Flues/ Ductwork	TN	1	689.50	1,379.00	228.80	315,515	0.00	0	120.00	165,480
Boiler Setting - Insulation	CY	1	2,090.40	4,180.80	68.40	285,967	11.00	45,989	0.00	0
Soot Blower	TN	32	1.95	124.80	228.80	28,554	0.00	0	120.00	14,976
Soot Blower Support Steel	TN	1	20.00	40.00	228.80	9,152	0.00	0	120.00	4,800
Safety/ Relief Valves (total)	TN	1	14.00	28.00	228.80	6,406	0.00	0	120.00	3,360
Safety/ Relief Valve Silencers	TN	1	35.00	70.00	228.80	16,016	0.00	0	120.00	8,400
Instrument Air Compressor w/ 100 hp	TN	2	6.30	25.20	228.80	5,766	0.00	0	120.00	3,024
Instrument Air Dryer	TN	1	2.00	4.00	228.80	915	0.00	0	120.00	480
Compressor Foundations - Reinforce	CY	1	15.00	15.00	68.40	1,026	97.00	1,455	0.00	0
Boiler Combustion Controls	TN	1	3.50	7.00	369.20	2,584	0.00	0	120.00	840
Steam and Water Sampling System	TN	1	1.50	3.00	369.20	1,108	0.00	0	120.00	360
Air Preheater Cleaning & Washing S	TN	2	1.34	5.35	369.20	1,974	0.00	0	120.00	642
Piping, Vlvs Under 4" - Steel	TN	1	65.95	65.95	369.20	24,348	0.00	0	120.00	7,914
Piping, Vlvs 4" to 8" - Steel	TN	1	30.45	30.45	228.80	6,967	0.00	0	120.00	3,654
Piping, Vlvs Over 8" - Steel	TN	1	15.50	15.50	171.60	2,660	0.00	0	120.00	1,860
Piping Insulation	CY	1	8.34	8.34	52.00	434	11.00	92	0.00	0
Subtotal						4,705,963		47,536		2,990,477
Boiler Plant Auxiliaries										
Feedwater System										
#1 Low Pressure Feedwater Heater -	TN	2	30.85	123.40	171.60	21,175	0.00	0	120.00	14,808
#2 Low Pressure Feedwater Heater -	TN	2	21.95	87.80	171.60	15,066	0.00	0	120.00	10,536
#3 Low Pressure Feedwater Heater -	TN	1	41.80	83.60	171.60	14,346	0.00	0	120.00	10,032
#4 Low Pressure Feedwater Heater -	TN	1	42.80	85.60	171.60	14,689	0.00	0	120.00	10,272
#5 Low Pressure Feedwater Heater -	TN	1	53.65	107.30	171.60	18,413	0.00	0	120.00	12,876
#6 High Pressure Feedwater Heater -	TN	2	48.15	192.60	171.60	33,050	0.00	0	120.00	23,112
#7 High Pressure Feedwater Heater -	TN	2	53.50	214.00	171.60	36,722	0.00	0	120.00	25,680
Condensate Recovery Drain Cooler -	TN	1	1.00	2.00	369.20	738	0.00	0	120.00	240
Condensate Recovery Vent Condens	TN	1	1.25	2.50	228.80	572	0.00	0	120.00	300
Boiler Feed Pump	TN	2	14.48	57.90	171.60	9,936	0.00	0	120.00	6,948
Boiler Feed Pump Motor	TN	2	13.03	52.10	171.60	8,940	0.00	0	120.00	6,252
Boiler Feed Pump Lube Oil Reservoir	TN	2	2.70	10.80	228.80	2,471	0.00	0	120.00	1,296
Boiler Feed Pump Lube Oil Batch Ta	TN	1	1.93	3.86	228.80	883	0.00	0	120.00	463
Boiler Feed Pump Lube Oil Condition	TN	1	1.00	2.00	369.20	738	0.00	0	120.00	240
Heater Drain Pump/ Motor	TN	2	5.95	23.80	228.80	5,445	0.00	0	120.00	2,856
Heater Drain Pump Strainer - Steel	TN	2	1.00	4.00	369.20	1,477	0.00	0	120.00	480
Heater Drain Pmp/ Mtr Foundation - I	CY	1	10.00	20.00	68.40	1,368	97.00	1,940	0.00	0
Condensate Storage Tank - 400,000	TN	1	48.00	96.00	171.60	16,474	0.00	0	120.00	11,520
Condensate Strg Tank Foundation - I	CY	1	274.00	274.00	68.40	18,742	97.00	26,578	0.00	0
Condensate Recovery Tank - Steel	TN	1	9.35	18.69	228.80	4,277	0.00	0	120.00	2,243
Condensate Rcvry Tank Foundation -	CY	1	32.00	32.00	68.40	2,189	97.00	3,104	0.00	0
Condensate Recovery Flash Tank - S	TN	1	1.41	2.82	228.80	645	0.00	0	120.00	339
Blowdown Tank - Steel	TN	1	6.33	12.65	228.80	2,894	0.00	0	120.00	1,518
Blowdown Tank Silencer - Steel	TN	1	1.42	2.84	228.80	650	0.00	0	120.00	341
Blowdown Tank Foundation - Reinf C	CY	1	10.00	20.00	68.40	1,368	97.00	1,940	0.00	0
Boiler Blowdown Heat Exchanger - S	TN	1	1.95	3.90	228.80	892	0.00	0	120.00	468
System Piping, Vlvs Under 4" - Steel	TN	1	102.10	102.10	369.20	37,695	0.00	0	120.00	12,252
System Piping, Vlvs 4" to 8" - Steel	TN	1	88.04	88.04	228.80	20,144	0.00	0	120.00	10,565

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	171.60	9,086	0.00	0	120.00	6,354
System Insulation	CY	1	70.12	70.12	52.00	3,648	11.00	771	0.00	0
Subtotal						304,734		34,333		171,991
Closed Cooling Water System Equipment										
Cooling Water Pump w/ 300 hp moto	TN	2	3.42	13.68	228.80	3,130	0.00	0	120.00	1,642
Cooling Water Pump Strainer (20") -	TN	2	1.33	5.33	228.80	1,220	0.00	0	120.00	640
Cooling Water Heat Exchanger - Ster	TN	2	24.00	96.00	171.60	16,474	0.00	0	120.00	11,520
Pmp/mtr, Heat Exchanger Fndtions -	CY	1	91.00	91.00	68.40	6,224	97.00	8,827	0.00	0
Cooling Water Surge Tank - Steel	TN	1	2.01	4.01	228.80	918	0.00	0	120.00	481
Subtotal						27,965		8,827		14,283
Boiler Plant Piping - All Systems										
Piping, Vlvs Under 4" - Steel	TN	1	658.89	658.89	369.20	243,262	0.00	0	120.00	79,067
Piping, Vlvs 4" to 8" - Steel	TN	1	448.78	448.78	228.80	102,680	0.00	0	120.00	53,853
Piping, Vlvs Over 8" - Steel	TN	1	2,120.18	2,120.18	171.60	363,823	0.00	0	120.00	254,422
Copper Tubing	TN	1	19.25	19.25	369.20	7,106	0.00	0	5000.00	96,230
Steel Tubing	TN	1	1.57	1.57	369.20	578	0.00	0	120.00	188
Piping Insulation	CY	1	253.64	253.64	52.00	13,189	11.00	2,790	0.00	0
Subtotal						730,638		2,790		483,759
Induced Draft Equipment										
Induced Draft Fan	TN	4	52.85	422.80	171.60	72,552	0.00	0	120.00	50,736
Induced Draft Fan Motor - 4,500 hp	TN	4	16.50	132.00	171.60	22,651	0.00	0	120.00	15,840
Induced Draft Fan Hydraulic Coupling	TN	4	15.00	120.00	171.60	20,592	0.00	0	120.00	14,400
ID Fans/ Motors Foundation - Reinf C	CY	1	2,211.00	2,211.00	68.40	151,232	97.00	214,467	0.00	0
ID Fan Hoist - 20 Ton	TN	1	2.10	4.20	228.80	961	0.00	0	120.00	504
Dust Collector, Vibrating System, Ou	TN	1	512.50	1,025.00	228.80	234,520	0.00	0	120.00	123,000
Stack Breeching Foundation - Reinf C	CY	1	641.00	641.00	68.40	43,844	97.00	62,177	0.00	0
Ductwork - Steel (70,395 sf x 1	TN	1	359.02	718.03	228.80	164,286	0.00	0	120.00	86,164
Ash Pits - Reinforced Concrete	CY	1	68.00	68.00	68.40	4,651	97.00	6,596	0.00	0
Ash Water Pump w/ 40 hp motor	TN	2	1.18	4.70	228.80	1,075	0.00	0	120.00	564
Stack Foundation - Reinforced Concr	CY	1	6,160.00	6,160.00	68.40	421,344	97.00	597,520	0.00	0
Stack - Reinforced Concrete	CY	1	3,851.00	7,702.00	68.40	528,817	97.00	747,094	0.00	0
Stack Lining - Concrete Brick	CY	1	3,760.80	7,521.60	27.36	205,791	97.00	729,595	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	2.63	2.63	369.20	969	0.00	0	120.00	315
Piping, Vlvs 4" to 8" - Steel	TN	1	2.93	2.93	228.80	671	0.00	0	120.00	352
Piping, Vlvs Over 8" - Steel	TN	1	128.26	128.26	171.60	22,009	0.00	0	120.00	15,391
Insulation	CY	1	18.37	18.37	52.00	955	11.00	202	0.00	0
Subtotal						1,894,923		2,357,651		307,266
Miscellaneous Equipment & Steel	TN	1	360.94	360.94	369.20	133,259	0.00	0	120.00	43,313
Total Account 312						8,496,223		3,082,192		4,353,934
Account 314 - Turbogenerator Unit Foundations										
Turbine Pedestal - Reinforced Concr	CY	1	6,222.00	6,222.00	68.40	425,585	97.00	603,534	0.00	0
Subtotal						425,585		603,534		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	130.00	177,800	0.00	0	120.00	164,123
Main Lube Oil Pump w/ motor	TN	1	3.00	6.00	228.80	1,373	0.00	0	120.00	720
Aux Lube Oil Pump w/ motor	TN	1	2.00	4.00	228.80	915	0.00	0	120.00	480
Lube Oil Conditioning Tank - Steel	TN	1	3.27	6.54	228.80	1,496	0.00	0	120.00	785
Lube Oil Batch Tank - 15,000 gal	TN	1	12.20	24.40	171.60	4,187	0.00	0	120.00	2,928
Piping, Vlvs Under 4" - Steel	TN	1	26.78	26.78	369.20	9,887	0.00	0	120.00	3,214
Piping, Vlvs 4" to 8" - Steel	TN	1	11.61	11.61	228.80	2,656	0.00	0	120.00	1,393
Subtotal						198,314		0		173,642
Condenser and Auxiliaries										
Condenser Shell - Steel	TN	1	424.24	848.48	171.60	145,599	0.00	0	120.00	101,818
Condenser Tubes - Aluminum-Brass	TN	1	433.94	867.87	369.20	320,418	0.00	0	2800.00	2,430,036
Condenser Tubes - Cupro Nickel	TN	1	15.14	30.28	369.20	11,178	0.00	0	4000.00	121,104
Condenser Foundation - Reinforced (CY	1	132.00	264.00	68.40	18,058	97.00	25,608	0.00	0
Condensate Pump w/ 2,250 hp motor	TN	2	14.71	58.84	171.60	10,097	0.00	0	120.00	7,061
Condensate Pump Strainer/ Baskets	TN	2	1.85	7.40	228.80	1,693	0.00	0	120.00	888
Circ Water Priming Vacuum Pump/M	TN	1	2.85	5.70	228.80	1,304	0.00	0	120.00	684
Hogging Ejector, Other Ejecs, Assoc	TN	1	9.00	18.00	228.80	4,118	0.00	0	120.00	2,160
Piping, Vlvs Under 4" - Steel	TN	1	19.58	19.58	369.20	7,228	0.00	0	120.00	2,349
Piping, Vlvs 4" to 8" - Steel	TN	1	10.80	10.80	228.80	2,471	0.00	0	120.00	1,296
Piping, Vlvs Over 8" - Steel	TN	1	16.12	16.12	171.60	2,767	0.00	0	120.00	1,935
System Insulation	CY	1	17.13	17.13	52.00	891	11.00	188	0.00	0
Subtotal						525,821		25,796		2,669,330
Circulating Water System										
Pump - 100,000 gpm	TN	4	41.50	332.00	171.60	56,971	0.00	0	120.00	39,840
Pump Motor - 1,000 hp	TN	4	12.10	96.80	171.60	16,611	0.00	0	120.00	11,616
Subtotal						73,582		0		51,456
Miscellaneous Equipment & Steel	TN	1	62.28	62.28	369.20	22,994	0.00	0	120.00	7,474
Total Account 314						1,246,296		629,330		2,901,902
Account 315 - Accessory Electrical Equipment										
Generator Leads & Supports										
Generator Leads Enclosures/ Suppor	TN	1	32.00	64.00	228.80	14,643	0.00	0	120.00	7,680
Subtotal						14,643		0		7,680
Power Conversion Equipment										
6,900V Metal-clad Switchgear	TN	2	96.10	384.40	369.20	141,920	0.00	0	120.00	46,128
6,900V Non-segregated Phase Bus	TN	1	19.32	38.65	369.20	14,268	0.00	0	5000.00	193,230
6,900V Non-segregated Phase Bus -	TN	1	3.75	7.50	171.60	1,287	0.00	0	120.00	900
480V Metal-clad Switchgear	TN	1	41.10	82.20	369.20	30,348	0.00	0	120.00	9,864
480V Load Control Center - 1,000 kv.	TN	2	2.60	10.40	369.20	3,840	0.00	0	120.00	1,248
480V Load Control Center - 1,500 kv.	TN	4	3.25	26.00	369.20	9,599	0.00	0	120.00	3,120
480V Motor Control Center (9 @ >1 t	TN	1	29.10	58.20	369.20	21,487	0.00	0	120.00	6,984
Auxiliary Power Transformer	TN	1	49.05	98.10	369.20	36,219	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	68.40	37,073	97.00	52,574	0.00	0
Station Service Transformer	TN	1	7.80	15.60	369.20	5,760	0.00	0	120.00	1,872
Manholes & Handholes - Reinforced	CY	1	1,369.00	1,369.00	68.40	93,640	97.00	132,793	0.00	0
Generator Isolated Phase Bus	TN	1	37.92	75.84	369.20	27,999	0.00	0	5000.00	379,186
Generator Isolated Phase Bus - Structural	TN	1	9.00	18.00	171.60	3,089	0.00	0	120.00	2,160
Neutral Grounding Transformer	TN	3	4.00	12.00	369.20	4,430	0.00	0	120.00	1,440
Transformer Neutral Grounding System	TN	3	1.25	3.75	369.20	2,769	0.00	0	120.00	420
Current Transformer	TN	6	1.00	6.00	369.20	2,215	0.00	0	120.00	720
125VDC Load Control Center	TN	1	3.50	7.00	369.20	2,584	0.00	0	120.00	840
25 kva Cyberex Static Inverter	TN	2	1.00	2.00	369.20	1,477	0.00	0	120.00	240
25 kva Uninterruptible Power Supply	TN	1	1.00	1.00	369.20	738	0.00	0	120.00	240
** Battery Unit - 125VDC, 60-Cell	TN	1	10.50	21.00	369.20	7,753	0.00	0	120.00	2,520
Battery Charger	TN	3	1.05	3.15	369.20	2,326	0.00	0	120.00	756
Main Boiler-Turbine Generator Control	TN	1	25.58	51.16	369.20	18,888	0.00	0	120.00	6,139
Main Boiler-Turbine Generator Control	TN	1	8.80	17.60	369.20	6,498	0.00	0	120.00	2,112
Bus Current Transformer	TN	3	1.00	3.00	369.20	2,215	0.00	0	120.00	720
Potential Transformer	TN	1	2.25	4.50	369.20	1,661	0.00	0	120.00	540
Voltage & Field Breaker Regulator	TN	1	6.00	12.00	369.20	4,430	0.00	0	120.00	1,440
Conduit (underground) - PVC	TN	1	246.15	246.15	369.20	90,880	0.00	0	0.00	0
Conduit (exposed) - Steel	TN	1	374.94	374.94	369.20	138,428	0.00	0	120.00	44,993
Conduit Ductbanks - Reinforced Concrete	CY	1	5,971.00	5,971.00	68.40	408,416	97.00	579,187	0.00	0
Cable Tray - Steel	TN	1	96.76	96.76	369.20	35,723	0.00	0	120.00	11,611
Power and Control Wiring - Insulated	TN	1	581.18	581.18	624.00	362,657	0.00	0	2100.00	1,220,481
Grounding Wire - Bare Copper	TN	1	27.13	27.13	624.00	16,930	0.00	0	5000.00	135,655
Subtotal						1,544,196		764,554		2,090,211
Total Account 315						1,558,839		764,554		2,097,891
FERC Account 316										
Miscellaneous Power Plant Equipment										
Compressed Air Piping, V/lvs Under 4"	TN	1	128.62	128.62	369.20	47,485	0.00	0	120.00	15,434
Compressed Air Piping, V/lvs 4" to 8"	TN	1	5.09	5.09	228.80	1,165	0.00	0	120.00	611
Nitrogen Purge Piping, V/lvs Under 4"	TN	1	141.36	141.36	369.20	52,192	0.00	0	120.00	16,964
Total Account 316						100,842		0		33,009
TOTAL MARTIN UNITS 1 & 2						16,571,269		6,935,802		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 (Site)	TN	2	4.30	8.60	228.80	1,968	0.00	0	120.00	1,032
F/O Booster Pump w/ 500 hp mtr (Inlet)	TN	2	5.43	10.85	228.80	2,482	0.00	0	120.00	1,302
Pump/ Motor Foundations - Reinforced Concrete	CY	1	90.00	90.00	68.40	6,156	97.00	8,730	0.00	0
30" F/O Piping to WPB Facility - Steel	TN	1	8,147.74	8,147.74	312.00	2,542,095	0.00	0	120.00	977,729
Pre-cast Pipeline Weights - Reinforced Concrete	CY	1	121.50	121.50	68.40	8,311	97.00	11,786	0.00	0
F/O Transfer Piping at Facility - Steel	TN	1	16.24	16.24	312.00	5,066	0.00	0	120.00	1,949
10" Collapsible Unloading Arm	TN	2	3.05	6.10	228.80	1,396	0.00	0	120.00	732
10" Stationary Unloading Arm	TN	2	8.50	17.00	228.80	3,890	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	27.36	1,505	97.00	5,335	0.00	0
Elec Swgr Bldg Foundation - Reinf C	CY	1	92.00	92.00	68.40	6,293	97.00	8,924	0.00	0
Subtotal						2,579,161		34,775		984,783
West Palm Beach Storage Facility										
Asphalt Paving	CY	1	237.60	237.60	27.36	6,501	97.00	23,047	0.00	0
Light Poles - Concrete (28 in total)	CY	1	3.54	3.54	27.36	97	97.00	344	0.00	0
Surge Basin - Reinforced Concrete	CY	1	300.00	300.00	68.40	20,520	97.00	29,100	0.00	0
Septic Tank System	CY	1	2.00	2.00	262.20	524	0.00	0	0.00	0
Yard Platforms, Ladders, Ppng Supp	TN	1	36.00	36.00	228.80	8,237	0.00	0	120.00	4,320
Yard Structural Supports, Fndtns - Re	CY	1	400.00	400.00	68.40	27,360	97.00	38,800	0.00	0
Potable Water Piping, Vlvs Under 4"	TN	1	9.48	9.48	312.00	2,956	0.00	0	120.00	1,137
Firemain Piping - Reinforced Concret	CY	1	26.11	26.11	262.20	6,847	0.00	0	0.00	0
Firemain Piping, Hydrants Over 8" - li	TN	1	93.95	93.95	312.00	29,311	0.00	0	120.00	11,274
Oily Waste Separator, Pump/mtr (abr	TN	1	3.25	3.25	228.80	744	0.00	0	120.00	390
Diesel-driven Firepump w/ Engine	TN	1	2.72	2.72	228.80	623	0.00	0	120.00	327
Motor-driven Firepump w/ Motor	TN	1	1.57	1.57	228.80	360	0.00	0	120.00	189
500,000 bbl F/O Storage Tank/ Mixer	TN	4	1,403.18	5,612.70	n/a	192,240	0.00	0	120.00	673,524
500,000 bbl Tank Ladder & Platform	TN	4	2.85	11.40	228.80	2,608	0.00	0	120.00	1,368
500,000 bbl F/O Storage Tank - Insul	CY	4	680.00	2,720.00	52.00	141,440	11.00	29,920	0.00	0
500,000 bbl F/O Storage Tanks - Fou	EA	1			n/a	0	n/a	48,590	0.00	0
500,000 bbl Tank - Soil Remediation	EA	4			n/a	0	n/a	836,008	0.00	0
500,000 bbl Tanks - Cleaning	EA	1			n/a	0	n/a	1,800,000	0.00	0
Fuel Oil Heating Boiler - Steel	TN	2	17.40	34.80	171.60	5,972	0.00	0	120.00	4,176
Fuel Oil Heat Exchanger - Steel	TN	4	3.44	13.76	228.80	3,148	0.00	0	120.00	1,651
Boiler Feedwater Tank - Steel (10'D)	TN	1	3.80	3.80	228.80	869	0.00	0	120.00	456
Fuel Oil Transfer Pump w/ motor (S	TN	4	6.93	27.72	228.80	6,342	0.00	0	120.00	3,326
Transfer Pump/ Motor Foundation - F	CY	1	2,070.00	2,070.00	68.40	141,588	97.00	200,790	0.00	0
Pipeline Strainer (24") - Iron	TN	2	1.90	3.80	228.80	869	0.00	0	120.00	456
Pipeline Strainer (20") - Iron	TN	1	1.65	1.65	228.80	378	0.00	0	120.00	198
F/O Transfer Yard Ppng, Vlvs Under	TN	1	15.41	15.41	369.20	5,690	0.00	0	120.00	1,849
F/O Transfer Yard Ppng, Vlvs 4" to 8'	TN	1	32.87	32.87	228.80	7,520	0.00	0	120.00	3,944
F/O Transfer Yard Ppng, Vlvs Over 8	TN	1	213.86	213.86	171.60	36,698	0.00	0	120.00	25,663
Steam Trace Piping, Vlvs Under 4" -	TN	1	64.06	64.06	369.20	23,652	0.00	0	120.00	7,688
18" Undgrnd Pipeline to Martin Plant	TN	1	6,671.60	6,671.60	312.00	2,081,540	0.00	0	120.00	800,592
Meter Prover and Associated Equiprr	TN	1	17.05	17.05	171.60	2,926	0.00	0	120.00	2,046
Metering Installation & Assoc Eqpmn	TN	1	19.00	19.00	171.60	3,260	0.00	0	120.00	2,280
Fuel Oil Purge Tank - 110,000 bbl	TN	1	381.00	381.00	n/a	32,040	0.00	0	120.00	45,720
Fuel Oil Purge Tank - 110,000 bbl - C	EA	1					n/a	225,000	120.00	0
Fuel Oil Purge Tank - 110,000 bbl -S	EA	1					n/a	54,113	120.00	0
Fuel Oil Purge Tank Ladder & Platfor	TN	1	1.00	1.00	369.20	369	0.00	0	120.00	120
Purge Oil Pump w/ Motor	TN	1	1.90	1.90	228.80	435	0.00	0	120.00	228
Fuel Oil Purge Piping, Vlvs Over 8" -	TN	1	41.94	41.94	171.60	7,197	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	6,408	0.00	0	120.00	2,940
Light Oil Tank - 5,000 bbl - Cleaning	EA	1				0	n/a	5,742	0.00	0
Light Oil Tank - 5,000 bbl Soil Reme	EA	1				0	n/a	431	0.00	0
Light Oil Piping, Vlvs Under 4" - Stee	TN	1	7.11	7.11	369.20	2,624	0.00	0	120.00	853
Light Oil Piping, Vlvs 4" to 8" - Steel	TN	1	3.88	3.88	228.80	887	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	27.36	12,832	97.00	45,493	0.00	0
Terminal Buildings Roofing - Concret	CY	1	182.00	182.00	27.36	4,980	97.00	17,654	0.00	0
Terminal Bldgs Foundations - Reinf C	CY	1	549.00	549.00	68.40	37,552	97.00	53,253	0.00	0
Worthington Air Compressor w/ Moto	TN	1	2.00	2.00	228.80	458	0.00	0	120.00	240
Radio Antenna - Steel	TN	1	2.00	2.00	228.80	458	0.00	0	120.00	240
Subtotal						2,867,058		3,408,285		1,602,693
Total Account 311						5,446,219		3,443,059		2,587,476
FERC Account 315										
Accessory Electrical Equipment										
Riviera Unloading Facility										
Auxiliary Power Transformer - 1500 k	TN	1	4.65	4.65	369.20	1,717	0.00	0	120.00	558
Neutral Grounding Resistor	TN	1	2.50	2.50	369.20	923	0.00	0	120.00	300
Transformer/ Resistor Foundation - F	CY	1	16.00	16.00	68.40	1,094	97.00	1,552	0.00	0
2,400V Metal-clad Switchgear	TN	1	6.99	6.99	369.20	2,580	0.00	0	120.00	839
480V Load Center/ Motor Control Cen	TN	1	8.00	8.00	369.20	2,954	0.00	0	120.00	960
Control Building - Panels/ Consoles	TN	1	2.50	2.50	369.20	923	0.00	0	120.00	300
Subtotal						10,191		1,552		2,957
West Palm Beach Storage Facility										
Auxiliary Power Transformer - 5,000 k	TN	1	8.96	8.96	369.20	3,309	0.00	0	120.00	1,076
Aux Power Trnsfmr Foundation - Re	CY	1	18.00	18.00	68.40	1,231	97.00	1,746	0.00	0
Transformer - 750 kva	TN	1	2.10	2.10	369.20	775	0.00	0	120.00	252
Transformer - 112.5 kva	TN	1	1.28	1.28	369.20	473	0.00	0	120.00	154
2,400V Metal-clad Switchgear	TN	1	8.46	8.46	369.20	3,124	0.00	0	120.00	1,016
480V Load Center	TN	1	3.00	3.00	369.20	1,108	0.00	0	120.00	360
480V Motor Control Center	TN	4	2.50	10.00	369.20	3,692	0.00	0	120.00	1,200
Neutral Grounding Transformer	TN	2	1.25	2.50	369.20	923	0.00	0	120.00	300
Emergency Diesel Gen & Accessorie	TN	1	3.20	3.20	228.80	732	0.00	0	120.00	384
** Battery Set	TN	1	1.43	1.43	228.80	326	0.00	0	120.00	171
Battery Charger	TN	1	1.20	1.20	228.80	275	0.00	0	120.00	144
Electrical Conduit (underground) - PV	TN	1	30.54	30.54	262.20	8,007	0.00	0	0.00	0
Electrical Conduit (above ground) - S	TN	1	83.33	83.33	369.20	30,764	0.00	0	120.00	9,999
Cable Tray - Steel	TN	1	1.36	1.36	369.20	503	0.00	0	120.00	164
Insulated Copper Wiring	TN	1	64.34	64.34	624.00	40,145	0.00	0	2100.00	135,104
Bare Copper Wiring	TN	1	9.03	9.03	624.00	5,636	0.00	0	5000.00	45,158
Supervisory Control Consoles (total)	TN	1	8.00	8.00	369.20	2,954	0.00	0	120.00	960
Subtotal						103,976		1,746		196,440
Total Account 315						114,166		3,298		199,397
TOTAL MARTIN FUEL OIL STORAGE FACILITY						5,560,386		3,446,357		2,786,873
TOTAL MARTIN COMMON, UNITS 1 & 2 AND FUEL OIL STORAGE FACILITY						24,655,639		12,808,355		12,930,828

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Unit 3									
Account 341 Structures and Improvements									
Yard Lighting									
Yard Lighting	LT	5.50	TN	369.20	2,031	0.00	0	120.00	660
Plant Lighting	LT	2.00	TN	369.20	738	0.00	0	120.00	240
Discharge - Paving	SY	60.00	CY	27.36	1,642	97.00	5,820	0.00	0
Intake- Paving	SY	190.00	CY	27.36	5,198	97.00	18,430	0.00	0
Misc Curbs, Gutters, Sidewalks	LT	150.00	CY	27.36	4,104	97.00	14,550	0.00	0
					<u>13,713</u>		<u>38,800</u>		<u>900</u>
Fire Protection System									
Fire Protection Pumps	EA	4.00	TN	228.80	915	0.00	0	120.00	480
Fire Protection System (Piping & Hydrants)	LF	213.00	CY	228.80	48,734	0.00	0	120.00	25,560
Fire Protection System 2 1/2" & > Pipe	LF	74.25	TN	228.80	16,988	0.00	0	120.00	8,910
Fire Protection System 2" & < Pipe	LF	2.74	TN	228.80	626	0.00	0	120.00	329
Sanitary Sewer Piping	LF	18.22	CY	27.36	499	97.00	1,768	0.00	0
Fencing	LF	175.00	TN	369.20	64,610	0.00	0	120.00	21,000
Fencing	LT	2.50	TN	369.20	923	0.00	0	120.00	300
					<u>133,296</u>		<u>1,768</u>		<u>56,579</u>
Buildings									
Water Chemistry Building	SF	500.00	CY	27.36	13,680	97.00	48,500	0.00	0
Hazardous Waste Drum Storage Building	LT	120.00	CY	27.36	3,283	97.00	11,640	0.00	0
Paint & Lube Oil Storage Building	LT	120.00	CY	27.36	3,283	97.00	11,640	0.00	0
Service Building - Masonry	LT	500.00	CY	27.36	13,680	97.00	48,500	0.00	0
Service Building - Structural & Miscellaneous Steel	LT	10.00	TN	369.20	3,692	0.00	0	120.00	1,200
Service Building - Finishes	LT	20.00	CY	27.36	547	97.00	1,940	0.00	0
Service Building - Doors, Hardware, Glazing	LT	15.00	CY	27.36	410	97.00	1,455	0.00	0
Service Building - Specialties	LT	25.00	CY	27.36	684	97.00	2,425	0.00	0
Service Building - Plumbing	LT	80.00	CY	27.36	2,189	97.00	7,760	0.00	0
Service Building -Electrical	LT	40.00	TN	369.20	14,768	0.00	0	120.00	4,800
Service Building - HVAC	LT	100.00	TN	369.20	36,920	0.00	0	120.00	12,000
H P Feedwater Pumps - Insulation	SF	100.00	CY	52.00	5,200	97.00	9,700	0.00	0
Service Building - Elevator & Hoist	LT	7.50	TN	369.20	2,769	0.00	0	120.00	900
					<u>101,106</u>		<u>143,560</u>		<u>18,900</u>
Power Block									
Service Building -Concrete	CY	2,403.00	CY	27.36	65,746	97.00	233,091	0.00	0
Power Block - Structural Steel	TN	1,044.00	TN	171.60	179,150	0.00	0	120.00	125,280
Base Plates Unit 3A	LT	20.00	TN	171.60	3,432	0.00	0	120.00	2,400
Base Plates Unit 3B	LT	20.00	TN	171.60	3,432	0.00	0	120.00	2,400
Power Block - Handrail, Toeblock, Misc.	LT	5.00	TN	369.20	1,846	0.00	0	120.00	600
Power Block - Decking	SF	301.59	TN	369.20	111,347	0.00	0	120.00	36,191
Power Block - Ladders, Stairs & Platforms	TN	58.00	TN	369.20	21,414	0.00	0	120.00	6,960
HRSG Structural/Ductwork - Unit 3A	LT	210.05	TN	228.80	48,059	0.00	0	120.00	25,206
HRSG Structural/Ductwork - Unit 3B	LT	205.05	TN	228.80	46,915	0.00	0	120.00	24,606
Lighting Panels	LT	0.03	TN	369.20	9	0.00	0	120.00	3
Power Block Grade Slab Concrete	CY	2,070.00	CY	68.40	141,588	97.00	200,790	0.00	0
Power Block Structure Foundation Concrete	CY	2,457.00	CY	68.40	168,059	97.00	238,329	0.00	0
Power Block Elevated Slabs	CY	859.00	CY	68.40	45,076	97.00	63,923	0.00	0
Water Treatment Control Building	LT	177.78	CY	68.40	12,160	97.00	17,244	0.00	0
HRSG Analyzer Buildings (2 ea)	SF	200.00	CY	68.40	13,680	97.00	19,400	0.00	0

Martin Units 3, 4 & 8 Dismantlement Study

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HRS&G DCS Buildings (2 ea)	SF	152.89	CY	68.40	10,458	97.00	14,830	0.00	0
Discharge - Sluice Gates	EA	100.00	CY	68.40	6,840	97.00	9,700	0.00	0
					879,211		797,308		223,646
Open Cooling Water System									
OCW System 2" &< - Pipe	LF	0.43	TN	228.80	98	0.00	0	120.00	51
OCW System 2 1/2" & > - Pipe	LF	42.63	TN	228.80	9,753	0.00	0	120.00	5,115
OCW Duplex Basket Strainers	LT	0.15	TN	228.80	34	0.00	0	120.00	18
Open Cooling Water Pumps	EA	11.80	TN	171.60	2,025	0.00	0	120.00	1,416
Open Cooling Water Booster Pumps	EA	9.80	TN	171.60	1,682	0.00	0	120.00	1,176
					13,592		0		7,777
Pond Water System									
Pond Water System 2" & < Pipe	LF	0.10	TN	228.80	23	0.00	0	120.00	12
Pond Water System 2 1/2" & > Pipe	LF	6.18	TN	228.80	1,414	0.00	0	120.00	742
Pond Water Booster Pumps	EA	3.27	TN	228.80	748	0.00	0	120.00	392
					2,185		0		1,146
Water Treatment System									
Water Treatment System	LT	5.50	TN	228.80	1,258	0.00	0	120.00	660
Service Water System 2" & < Pipe	LF	1.61	TN	228.80	369	0.00	0	120.00	193
Service Water System 2 1/2" & > Pipe	LF	5.80	TN	228.80	1,327	0.00	0	120.00	696
Service Water Pumps	EA	0.57	TN	228.80	130	0.00	0	120.00	68
Treated Water Storage Tanks	EA	1.20	TN	228.80	273	0.00	0	120.00	143
Treated Water Storage Tank Foundation	CY	21.00	CY	68.40	1,436	97.00	2,037	0.00	0
Rainwater Runoff Storage Tank Foundation	CY	12.00	CY	68.40	821	97.00	1,164	0.00	0
HRS&G Blowdown Tank Sump	CY	200.00	CY	68.40	13,680	97.00	19,400	0.00	0
Wastewater System 2" & < Pipe	LF	1.69	TN	228.80	386	0.00	0	120.00	202
Power Block Drainage Pipe	LF	63.56	CY	68.40	4,347	97.00	6,165	0.00	0
Wastewater System 2 1/2" & > Pipe	LF	101.84	TN	171.60	17,475	0.00	0	120.00	12,220
Sump Pumps	EA	8.75	TN	171.60	1,502	0.00	0	120.00	1,050
Sump Pumps & Miscellaneous	EA	4.00	TN	171.60	686	0.00	0	120.00	480
Rainfall Runoff Collection Tank	EA	5.00	TN	228.80	1,144	0.00	0	120.00	600
Wastewater Treatment System	LT	0.50	TN	228.80	114	0.00	0	120.00	60
					44,949		28,766		16,373
Potable Water System									
Potable Water System	LT	2.50	TN	228.80	572	0.00	0	120.00	300
Potable Water System 2" & < Pipe	LF	5.01	TN	228.80	1,147	0.00	0	120.00	602
Potable Water System	LF	19.41	TN	228.80	4,440	0.00	0	120.00	2,329
Potable Water System 2 1/2" & > Pipe	LF	9.88	TN	228.80	2,261	0.00	0	120.00	1,186
Pipe Rack Drilled Piers - Concrete	CY	810.00	CY	68.40	55,404	97.00	78,570	0.00	0
Pipe Racks & Bridges	TN	481.00	TN	228.80	110,053	0.00	0	120.00	57,720
					173,877		78,570		62,136
Control/Security									
Access Control / Security	LT	5.00	CY	68.40	342	97.00	485	0.00	0
Auxiliary Boiler Building	SF	63.89	CY	68.40	4,370	97.00	6,197	0.00	0
Control Building - Masonry	LT	73.83	CY	27.36	2,020	97.00	7,162	0.00	0
Control Building Structural Steel	TN	119.00	TN	171.60	20,420	0.00	0	120.00	14,280
Control Building Finishes	LT	14.00	CY	27.36	383	97.00	1,358	0.00	0
Control Building Millwork	LT	26.79	CY	27.36	733	97.00	2,598	0.00	0

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Control Building Doors, Hardware, Glazing	LT	10.00	CY	27.36	274	97.00	970	0.00	0
Control Building Thermal Protection	LT	185.70	CY	27.36	5,081	97.00	18,013	0.00	0
Control Building Specialties	LT	20.00	CY	27.36	547	97.00	1,940	0.00	0
Control Building Plumbing	LT	1.00	TN	228.80	229	0.00	0	120.00	120
Control Building Electrical	LT	12.47	TN	228.80	2,853	0.00	0	120.00	1,496
Control Building HVAC	LT	61.85	TN	228.80	14,151	0.00	0	120.00	7,422
Control Building Concrete	CY	810.00	CY	68.40	55,404	97.00	78,570	0.00	0
Control Building Elevator & Hoist	LT	10.00	TN	228.80	2,288	0.00	0	120.00	1,200
Switchgear Building	LT	200.00	CY	68.40	13,680	97.00	19,400	0.00	0
					122,775		136,693		24,518
Account 341 Totals:					1,484,704		1,225,465		411,975
Account 342: Fuel Holders, Producers and Accessories									
Natural Gas System									
Natural Gas System 2" & < - Pipe	LF	0.17	TN	228.80	38	0.00	0	120.00	20
Gas Piping	LF	90.75	TN	228.80	20,764	0.00	0	120.00	10,890
Natural Gas System 2 1/2" & > - Pipe	LF	15.07	TN	228.80	3,448	0.00	0	120.00	1,808
Liquid Fuel System 2 1/2" & > - Pipe	LF	58.38	TN	228.80	13,357	0.00	0	120.00	7,006
					37,607		0		19,724
Auxiliary Boiler System									
Auxiliary Boiler & Associated Skids	LT	75.00	TN	228.80	17,160	0.00	0	120.00	9,000
Auxiliary Boiler Equipment Insulation	SF	5.03	CY	52.00	262	11.00	55	0.00	0
Fuel Oil Unloading Equipment	LT	25.00	TN	228.80	5,720	0.00	0	120.00	3,000
					23,142		55		12,000
Account 342 Totals:					60,749		55		31,724
Account 343: Prime Movers									
HRSO Foundation Mat Concrete	CY	1,212.00	CY	68.40	82,901	97.00	117,564	0.00	0
HRSO Mechanical Equipment - Unit 3A	LT	158.80	TN	171.60	27,250	0.00	0	120.00	19,056
HRSO Mechanical Equipment - Unit 3B	LT	162.30	TN	171.60	27,851	0.00	0	120.00	19,476
Mech Finishes - Casings	LT	66.45	TN	171.60	11,403	0.00	0	120.00	7,974
Modules - Unit 3A	EA	2,350.65	TN	130.00	305,585	0.00	0	120.00	282,078
Modules - Unit 3B	EA	2,420.70	TN	130.00	314,691	0.00	0	120.00	290,484
Insulation	SF	75.00	CY	52.00	3,900	11.00	825	0.00	0
HRSO Blowdown System 2 1/2" & > - Pipe	LF	12.08	TN	171.60	2,072	0.00	0	120.00	1,449
Electrical & Controls - Unit 3A	LT	27.50	TN	228.80	6,292	0.00	0	120.00	3,300
Electrical & Controls - Unit 3A	LT	27.50	TN	228.80	6,292	0.00	0	120.00	3,300
					788,236		118,389		627,117
Feedwater System									
Feedwater System - 2" & < Pipe	LF	2.47	TN	171.60	424	0.00	0	120.00	296
Feedwater System - 2 1/2" & > Pipe	LF	51.31	TN	171.60	8,805	0.00	0	120.00	6,157
HRSO HP Feedwater Pumps	EA	8.25	TN	171.60	1,416	0.00	0	120.00	990
HRSO LP Feedwater Pumps	EA	8.25	TN	171.60	1,416	0.00	0	120.00	990
HRSO Feedwater Pump Foundations	CY	615.00	CY	68.40	42,066	97.00	59,655	0.00	0
Deaerator Make-up Pumps	EA	2.79	TN	228.80	638	0.00	0	120.00	334
H P Feedwater Pumps - Insulation	SF	12.62	CY	52.00	656	11.00	139	0.00	0
L P Feedwater Pumps - Insulation	SF	2.22	CY	52.00	116	11.00	24	0.00	0

Martin Units 3, 4 & 8 Dismantlement Study

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L/P Feedwater Piping - Insulation	LF	76.38	CY	52.00	3,972	11.00	840	0.00	0
					59,508		60,658		8,769
Combustion Turbine									
Combustion Turbine Fdn Mat Concrete	CY	1,682.00	CY	68.40	115,049	97.00	163,154	0.00	0
Condensate Pump Casings	EA	0.50	TN	228.80	114	0.00	0	120.00	60
Fire Pumps Foundation Concrete	CY	29.00	CY	68.40	1,984	97.00	2,813	0.00	0
Misc. Mechanical Equipment Fdn Concrete	CY	241.00	CY	68.40	16,484	97.00	23,377	0.00	0
C.T. Skid Mounted Equip Fdn Conc Pads	CY	77.00	CY	68.40	5,267	97.00	7,469	0.00	0
C.T. 3A Combustion Turbine	LT	188.50	TN	130.00	24,505	0.00	0	120.00	22,620
C.T. 3B Combustion Turbine	LT	188.50	TN	130.00	24,505	0.00	0	120.00	22,620
C.T. 3A Insulation	LT	28.89	CY	52.00	1,502	11.00	318	0.00	0
C.T. 3A Insulation	LT	28.89	CY	52.00	1,502	11.00	318	0.00	0
C.T. Interconnect Pipe 2 1/2" & > - Pipe	LF	112.00	TN	228.80	25,626	0.00	0	120.00	13,440
C.T. Interconnect Pipe 2" & < - Pipe	LF	9.39	TN	228.80	2,148	0.00	0	120.00	1,127
					218,686		197,449		59,867
Main Steam System									
Main Steam System 2 1/2" & > - PIPE	LF	994.73	TN	171.60	170,695	0.00	0	120.00	119,367
L/B Main Steam Piping - Insulation	LF	171.11	CY	52.00	8,898	11.00	1,882	0.00	0
Aux Boiler System 2" & < - Pipe	LF	1.32	TN	228.80	301	0.00	0	120.00	158
Aux Boiler System 2 1/2" & > - Pipe	LF	10.20	TN	228.80	2,334	0.00	0	120.00	1,224
L/B Auxiliary Boiler Piping - Insulation	LF	8.75	CY	52.00	455	11.00	96	0.00	0
L/B B.O.P. Piping - Insulation	LF	5.38	CY	52.00	280	11.00	59	0.00	0
					182,963		2,038		120,749
Blowdown System									
HRSG Blowdown System 2" & < - Pipe	LF	1.02	TN	228.80	234	0.00	0	120.00	123
HRSG Blowdown Tanks	EA	4.74	TN	171.60	813	0.00	0	120.00	569
Main Steam Drain Tanks	EA	2.88	TN	171.60	493	0.00	0	120.00	345
HRSG Blowdown Tanks - Insulation	SF	3.58	CY	52.00	186	11.00	39	0.00	0
Steam Drain Tanks - Insulation	SF	6.71	CY	52.00	349	11.00	74	0.00	0
Small Bore Pipe - Insulation	LF	108.00	CY	52.00	5,616	11.00	1,188	0.00	0
Mechanical Finishes - Insulation	LT	100.00	CY	52.00	5,200	11.00	1,100	0.00	0
					12,891		2,401		1,036
Steam Turbine									
Steam Turbines - Insulation	SF	106.00	CY	52.00	5,512	11.00	1,166	0.00	0
Main Steam System 2" & < - Pipe	LF	8.12	TN	228.80	1,857	0.00	0	120.00	974
Steam Turbine Base Plates	LT	25.00	TN	130.00	3,250	0.00	0	120.00	3,000
Steam Turbine & Accessories	LT	175.00	TN	130.00	22,750	0.00	0	120.00	21,000
Hydraulic Power Unit	LT	1.50	TN	171.60	257	0.00	0	120.00	180
Instrument Tubing	LF	4.36	TN	228.80	998	0.00	0	120.00	523
Instrument Tubing - Insulation	LF	7.19	CY	52.00	374	11.00	79	0.00	0
Instrumentation - Insulation	EA	0.24	CY	52.00	12	11.00	3	0.00	0
					35,010		1,248		25,677
Condensate System									
Condensate System 2" & < Pipe	LF	1.64	TN	228.80	374	0.00	0	120.00	196
Condensate System 2 1/2" & > Pipe	LF	80.47	TN	228.80	18,410	0.00	0	120.00	9,656
L/B Cond. & B.D. Piping - Insulation	LF	37.78	CY	52.00	1,965	11.00	416	0.00	0
Condenser Vacuum Pump Skld & Equipment	LT	1.25	TN	171.60	215	0.00	0	120.00	150

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Condensate Storage Tank Foundation	CY	15.00	CY	68.40	1,026	97.00	1,455	0.00	0
Condensate Make-up Pumps	EA	0.75	TN	171.60	129	0.00	0	120.00	90
HRSG Chemical FD System 2" & < - Pipe	LF	0.98	TN	228.80	223	0.00	0	120.00	117
Circulating Water Chemical Feed Equipment	LT	0.13	TN	228.80	29	0.00	0	120.00	15
HRSG Chemical Feed Skids	LT	7.50	TN	228.80	1,716	0.00	0	120.00	900
Lube Oil Storage Tanks	EA	3.26	TN	228.80	746	0.00	0	120.00	391
Miscellaneous Process Tanks	EA	5.30	TN	228.80	1,213	0.00	0	120.00	636
Condensate Transfer System 2" & < - Pipe	LF	2.15	TN	228.80	491	0.00	0	120.00	257
Condensate Transfer System 2 1/2" & > - Pipe	LF	64.68	TN	171.60	11,099	0.00	0	120.00	7,762
Condensate Pumps	EA	2.39	TN	171.60	410	0.00	0	120.00	287
Condensate Transfer Pumps	EA	2.39	TN	171.60	410	0.00	0	120.00	287
Condensate Storage Tanks	EA	1.20	TN	228.80	273	0.00	0	120.00	143
Bulk Gas System 2" & < - Pipe	LF	5.13	TN	228.80	1,174	0.00	0	120.00	616
Bulk Gas Storage Area Facilities	LT	6.67	CY	27.36	182	97.00	647	0.00	0
Water Analysis System	LT	0.50	TN	228.80	114	0.00	0	120.00	60
Condensers	EA	264.40	TN	171.60	45,371	0.00	0	4,000.00	1,057,600
Gland Steam Condensers	EA	2.50	TN	171.60	429	0.00	0	120.00	300
Condensate Air Rem System 2" & < - Pipe	LF	1.57	TN	228.80	360	0.00	0	120.00	189
					86,359		2,517		1,079,652
Circulating Water System									
Condensate Air Rem System 2 1/2" & > - Pipe	LF	3.35	TN	171.60	574	0.00	0	120.00	401
Circulating Water System 2" & < - Pipe	LF	0.26	TN	228.80	59	0.00	0	120.00	31
Circulating Water System 2 1/2" & > - Pipe	LF	1.52	TN	171.60	260	0.00	0	120.00	182
L/B Circulating Water Piping - Insulation	LF	75.00	CY	52.00	3,900	11.00	825	0.00	0
Circulating Water Pumps	EA	47.98	TN	171.60	8,233	0.00	0	120.00	5,757
C W Chemical Treatment System 2" & < - Pipe	LF	0.45	TN	228.80	103	0.00	0	120.00	54
					13,129		825		6,425
Screen Wash System									
Screen Wash Bubbler System Equipment	LT	0.50	TN	228.80	114	0.00	0	120.00	60
Screen Wash System 2" & < - Pipe	LF	0.05	TN	228.80	10	0.00	0	120.00	5
Screen Wash System 2 1/2" & > - Pipe	LF	0.83	TN	171.60	142	0.00	0	120.00	100
Screen Wash Pumps	EA	0.77	TN	171.60	132	0.00	0	120.00	92
					399		0		257
HRSG Stacks									
HRSG Stack Foundation Concrete	CY	1,550.00	CY	68.40	106,020	97.00	150,350	0.00	0
Stack - Unit 3A	LT	131.75	TN	171.60	22,608	0.00	0	120.00	15,810
Stack - Unit 3B	LT	131.75	TN	171.60	22,608	0.00	0	120.00	15,810
Gland Steam Cond - Insulation	SF	1.00	CY	52.00	52	11.00	11	0.00	0
					151,289		150,361		31,620
Lube Oil System									
Lube Oil System 2" & < - Pipe	LF	1.91	TN	228.80	438	0.00	0	120.00	230
Lube Oil System 2 1/2" & > - Pipe	LF	2.42	TN	171.60	414	0.00	0	120.00	290
Lube Oil Transfer/Return Pumps	EA	1.50	TN	171.60	257	0.00	0	120.00	180
S.T. Lube Oil Reservoir	EA	5.00	TN	171.60	858	0.00	0	120.00	600
Turbo L.O. Conditioner	EA	1.00	TN	171.60	172	0.00	0	120.00	120
					2,139		0		1,419
Cranes and Holsts									

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Power Block Gantry Crane	EA	105.00	TN	171.60	18,018	0.00	0	120.00	12,600
Miscellaneous Monorails & Hoists	EA	32.50	TN	171.60	5,577	0.00	0	120.00	3,900
					23,595		0		16,500
Combustion Turbine									
C.T. Atomizing Air Skids	LT	22.50	TN	171.60	3,861	0.00	0	120.00	2,700
C.T. Exhaust Frame Cooling Fan Skids	LT	6.00	TN	228.80	1,373	0.00	0	120.00	720
C.T. Starting Motor Skids	LT	27.50	TN	228.80	6,292	0.00	0	120.00	3,300
C.T. Water Wash Skids	LT	13.00	TN	228.80	2,974	0.00	0	120.00	1,560
C.T. Lube Oil Skids	LT	53.50	TN	228.80	12,241	0.00	0	120.00	6,420
C.T. Fuel Gas Skids	LT	44.00	TN	228.80	10,067	0.00	0	120.00	5,280
C.T. Halon Skids	LT	2.50	TN	228.80	572	0.00	0	120.00	300
Make-Up Water Storage Tank Fdn	CY	140.00	CY	68.40	9,576	97.00	13,580	0.00	0
Deminerlizer System	LT	12.50	TN	228.80	2,860	0.00	0	120.00	1,500
Insulation	LF	300.00	CY	52.00	15,600	11.00	3,300	0.00	0
Make-Up Water Storage Tanks	EA	85.00	TN	228.80	19,448	0.00	0	120.00	10,200
					84,864		16,880		31,980
Closed Cooling Water System									
Closed Cooling Water Heat Exchangers	EA	25.57	TN	228.80	5,850	0.00	0	120.00	3,068
CCW System 2" & < - Pipe	LF	5.57	TN	228.80	1,274	0.00	0	120.00	668
CCW System 2 1/2" & > - Pipe	LF	73.61	TN	171.60	12,631	0.00	0	120.00	8,833
Closed Cooling Water Pumps	EA	4.88	TN	171.60	837	0.00	0	120.00	585
					20,592		0		13,154
Account 343 Totals:					1,679,659		552,766		2,024,223
Account 344: Generators									
Steam Turbine Foundation Mat Concrete	CY	714.00	CY	68.40	48,838	97.00	69,258	0.00	0
Steam Turbine Concrete Pedestal	CY	620.00	CY	68.40	42,408	97.00	60,140	0.00	0
C.T. 3A Generator	LT	157.00	TN	130.00	20,410	0.00	0	120.00	18,840
C.T. 3B Generator	LT	157.00	TN	130.00	20,410	0.00	0	120.00	18,840
C.T. Generator Exit Skids	LT	5.00	TN	171.60	858	0.00	0	120.00	600
Insulation	LF	100.00	CY	52.00	5,200	11.00	1,100	0.00	0
Generator Copper		18.00	TN	509.60	9,173	0.00	0	5,000.00	90,000
Generator	LT	200.00	TN	130.00	26,000	0.00	0	120.00	24,000
Account 344 Totals:					173,296		130,498		152,280
Account 345: Accessory Electric Equipment									
Excitation System									
Generator Excitation Power Transformers	EA	37.50	TN	171.60	6,435	0.00	0	120.00	4,500
Transformer Copper		15.00	TN	384.80	5,772	0.00	0	5,000.00	75,000
Instrumentation	EA	9.25	TN	228.80	2,116	0.00	0	120.00	1,110
					14,323		0		80,610
Emergency Diesel Generators									
Diesel Generator Foundations	CY	81.00	CY	68.40	5,540	97.00	7,857	0.00	0
Emergency Diesel Generator	EA	5.02	TN	171.60	861	0.00	0	120.00	602
EDG System 2" & < - Pipe	LF	0.05	TN	228.80	10	0.00	0	120.00	5
					6,412		7,857		608

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Electrical Equipment									
Electrical Equipment Pads	CY	412.00	CY	68.40	28,181	97.00	39,964	0.00	0
Station Battery, Charger & Panels	LT	3.00	TN	228.80	686	0.00	0	120.00	360
Grounding & Cathodic Protection	LT	75.00	TN	228.80	17,160	0.00	0	120.00	9,000
Grounding & Cathodic Protection	LT	27.50	TN	228.80	6,292	0.00	0	120.00	3,300
Grounding Grid (Incl Pads, Rods)	LF	6.25	TN	228.80	1,430	0.00	0	120.00	750
Lightning Protection	LT	2.50	TN	228.80	572	0.00	0	120.00	300
Embedded Conduits	LF	237.75	CY	262.20	62,338	0.00	0	0.00	0
Power & Control Conduits	LF	135.15	TN	228.80	30,923	0.00	0	120.00	16,218
Cable Tray	LF	183.18	TN	228.80	41,910	0.00	0	120.00	21,981
Concrete Duct Banks	CY	2,110.00	CY	68.40	144,324	97.00	204,670	0.00	0
Electrical Manholes	EA	69.44	CY	68.40	4,750	97.00	6,736	0.00	0
Isophase Bus	LF	9.00	TN	228.80	2,059	0.00	0	120.00	1,080
Main Control Boards	LT	13.33	TN	228.80	3,051	0.00	0	120.00	1,600
Miscellaneous Relay Panels	EA	3.56	TN	228.80	814	0.00	0	120.00	427
Instrument Racks	EA	12.20	TN	228.80	2,791	0.00	0	120.00	1,464
Annunciators	EA	10.00	TN	228.80	2,288	0.00	0	120.00	1,200
Miscellaneous Power Transformers	LT	27.50	TN	171.60	4,719	0.00	0	120.00	3,300
Transformer Copper		11.00	TN	384.80	4,233	0.00	0	5,000.00	55,000
480 V Load Centers	EA	15.00	TN	228.80	3,432	0.00	0	120.00	1,800
480 V Motor Control Centers	EA	20.00	TN	228.80	4,576	0.00	0	120.00	2,400
Power Cable - 8KV	LF	61.88	TN	624.00	38,610	0.00	0	2,100.00	129,939
Power Cable - Medium Voltage	LF	37.05	TN	624.00	23,117	0.00	0	2,100.00	77,798
Electrical Switchgear Foundations	CY	441.00	CY	68.40	30,164	97.00	42,777	0.00	0
Non-Seg Bus	LF	17.78	TN	228.80	4,068	0.00	0	120.00	2,134
4.16 KV Switchgear	EA	10.00	TN	171.60	1,716	0.00	0	120.00	1,200
Control Cable	LF	16.19	TN	624.00	10,101	0.00	0	2,100.00	33,995
Instrumentation Cable	LF	9.24	TN	624.00	5,767	0.00	0	2,100.00	19,410
Distributed Control System	LT	2.50	TN	369.20	923	0.00	0	120.00	300
					480,997		294,147		384,955
Account 345 Totals:					501,732		302,004		466,173
Account 346: Miscellaneous Power Plant Equipment									
Compressed Air System									
Compressed Air Piping	LF	10.87	TN	369.20	4,012	0.00	0	120.00	1,304
Instrument Air System - 2" & < Pipe	LF	1.74	TN	228.80	397	0.00	0	120.00	208
Service Air System 2" & < Pipe	LF	4.41	TN	228.80	1,009	0.00	0	120.00	529
Instrument Air System - 2 1/2" & > Pipe	LF	2.40	TN	171.60	412	0.00	0	120.00	288
Service Air System 2 1/2" & > Pipe	LF	2.43	TN	171.60	416	0.00	0	120.00	291
Service Air Compressors & Rec.	LT	4.53	TN	228.80	1,036	0.00	0	120.00	544
Instrument Air Compressors, Rec., & Dryers	LT	9.06	TN	228.80	2,073	0.00	0	120.00	1,087
					9,356		0		4,251
Other Equipment									
Plant Communications & Phones	LT	2.00	TN	228.80	458	0.00	0	120.00	240
Heat Tracing	LT	1.25	TN	228.80	286	0.00	0	120.00	150
Fire Protection/Detection Equipment	LT	2.50	TN	228.80	572	0.00	0	120.00	300
Miscellaneous Electrical Items	LT	20.00	TN	228.80	4,576	0.00	0	120.00	2,400
					5,892		0		3,090
Account 346 Totals:					15,247		0		7,341

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Unit 3 Totals					3,915,389		2,210,788		3,093,716
Unit 4									
Account 341: Structures and Improvements									
Lighting and Fire Protection Systems									
Yard Lighting	LT	5.50	TN	369.20	2,031	0.00	0	120.00	660
Plant Lighting	LT	2.00	TN	369.20	738	0.00	0	120.00	240
Fire Protection System Foundation	LF	213.00	CY	68.40	14,569	97.00	20,661	0.00	0
Sanitary Sewer Piping Foundations	LF	18.22	CY	68.40	1,246	97.00	1,768	0.00	0
					18,585		22,429		900
Power Block									
Power Block - Structural Steel	TN	1,044.00	TN	171.60	179,150	0.00	0	120.00	125,280
Base Plates Unit 4A	LT	20.00	TN	171.60	3,432	0.00	0	120.00	2,400
Base Plates Unit 4B	LT	20.00	TN	171.60	3,432	0.00	0	120.00	2,400
Power Block - Handrail, Toeblock, Misc.	LT	5.00	TN	369.20	1,846	0.00	0	120.00	600
Power Block - Decking	SF	301.59	TN	369.20	111,347	0.00	0	120.00	36,191
Power Block - Ladders, Stairs & Platforms	TN	58.00	TN	369.20	21,414	0.00	0	120.00	6,960
HRSO Structural/Ductwork - Unit 3A	LT	210.05	TN	228.80	48,059	0.00	0	120.00	25,206
HRSO Structural/Ductwork - Unit 3B	LT	205.05	TN	228.80	46,915	0.00	0	120.00	24,606
Lighting Panels	LT	0.03	TN	369.20	9	0.00	0	120.00	3
Power Block Grade Slab Concrete	CY	2,102.00	CY	68.40	143,777	97.00	203,894	0.00	0
Power Block Structure Foundation Concrete	CY	2,432.00	CY	68.40	166,349	97.00	235,904	0.00	0
Power Block Elevated Slabs	CY	581.00	CY	68.40	39,740	97.00	56,357	0.00	0
HRSO Analyzer Buildings (2 ea)	SF	200.00	CY	68.40	13,680	97.00	19,400	0.00	0
HRSO DCS Buildings (2 ea)	SF	152.89	CY	68.40	10,458	97.00	14,830	0.00	0
					789,609		530,385		223,646
Open Cooling Water System									
OCW System 2" & < - Pipe	LF	0.42	TN	228.80	95	0.00	0	120.00	50
OCW System 2 1/2" & > - Pipe	LF	42.57	TN	171.60	7,305	0.00	0	120.00	5,108
OCW Duplex Basket Strainers	LT	0.15	TN	228.80	34	0.00	0	120.00	18
Open Cooling Water Pumps	EA	11.80	TN	171.60	2,025	0.00	0	120.00	1,416
Open Cooling Water Booster Pumps	EA	9.80	TN	171.60	1,682	0.00	0	120.00	1,176
					11,141		0		7,769
Pond Water System									
Pond Water System 2" & < - Pipe	LF	0.25	TN	228.80	57	0.00	0	120.00	30
Pond Water System 2 1/2" & > - Pipe	LF	4.11	TN	171.60	705	0.00	0	120.00	493
Pond Water Booster Pumps	EA	3.27	TN	171.60	561	0.00	0	120.00	392
					1,323		0		915
Water Treatment System									
Service Water System 2" & < - Pipe	LF	2.17	TN	171.60	496	0.00	0	120.00	260
Service Water System 2 1/2" & > - Pipe	LF	2.30	TN	171.60	157	0.00	0	120.00	276
Service Water Pumps	EA	0.57	TN	228.80	130	0.00	0	120.00	68
HRSO Blowdown Tank Sump	CY	200.00	CY	68.40	13,680	97.00	19,400	0.00	0
Wastewater System 2" & < - Pipe	LF	1.85	TN	228.80	422	0.00	0	120.00	221
Power Block Drainage Pipe Foundations	LF	63.56	CY	27.36	1,739	97.00	6,165	0.00	0
Wastewater System 2 1/2" & > - Pipe	LF	117.95	TN	171.60	20,239	0.00	0	120.00	14,153

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Sump Pumps	EA	8.75	TN	171.60	1,502	0.00	0	120.00	1,050
Sump Pumps & Miscellaneous	EA	2.00	TN	171.60	343	0.00	0	120.00	240
Potable Water System	LF	18.37	CY	27.36	503	97.00	1,782	0.00	0
Pipe Rack Drilled Piers - Concrete	CY	657.00	CY	68.40	44,939	97.00	63,729	0.00	0
Switchgear Building	LT	200.00	CY	68.40	13,680	97.00	19,400	0.00	0
					97,829		110,476		482,728
Account 341 Totals:					918,487		663,290		715,957
Account 342: Fuel Holders, Producers and Accessories									
Gas System									
Natural Gas System 2" & < - Pipe	LF	0.05	TN	228.80	11	0.00	0	120.00	6
Gas Piping	LF	82.23	TN	228.80	18,813	0.00	0	120.00	9,867
Natural Gas System 2 1/2" & > - Pipe	LF	17.00	TN	171.60	2,916	0.00	0	120.00	2,039
Liquid Fuel System 2 1/2" & > - Pipe	LF	24.63	TN	171.60	4,227	0.00	0	120.00	2,956
Account 342 Totals:					25,967		0		14,868
Account 343: Prime Movers									
HRSG Foundation	CY	1,212.00	CY	68.40	82,901	97.00	117,564	0.00	0
HRSG Mechanical - Unit 4A	LT	158.80	TN	130.00	20,644	0.00	0	120.00	19,056
HRSG Mechanical - Unit 4B	LT	162.30	TN	130.00	21,099	0.00	0	120.00	19,476
Mechanical Finishes - Casings	LT	66.45	TN	171.60	11,403	0.00	0	120.00	7,974
Modules - Unit 4A	EA	2,350.65	TN	130.00	305,585	0.00	0	120.00	282,078
Modules - Unit 4B	EA	2,420.70	TN	130.00	314,691	0.00	0	120.00	290,484
HRSG Blowdown System 2 1/2" & > - Pipe	LF	16.66	TN	171.60	2,859	0.00	0	120.00	1,999
Electrical & Controls - Unit 4A	LT	27.50	TN	228.80	6,292	0.00	0	120.00	3,300
Electrical & Controls - Unit 4B	LT	27.50	TN	228.80	6,292	0.00	0	120.00	3,300
					771,765		117,564		627,667
Feedwater System									
Feedwater System 2" & < - Pipe	LF	2.40	TN	228.80	549	0.00	0	120.00	288
Feedwater System 2 1/2" & > - Pipe	LF	52.19	TN	171.60	8,955	0.00	0	120.00	6,262
HRSG HP Feedwater Pumps	EA	8.25	TN	171.60	1,416	0.00	0	120.00	990
HRSG LP Feedwater Pumps	EA	8.25	TN	171.60	1,416	0.00	0	120.00	990
HRSG Feed Pump Foundations Concrete	CY	620.00	CY	68.40	42,408	97.00	60,140	0.00	0
Deaerator Make-Up Pumps	EA	2.79	TN	171.60	478	0.00	0	120.00	334
H P Feed Pumps - Insulation	SF	12.62	CY	52.00	656	11.00	139	0.00	0
L P Feed Pumps - Insulation	SF	2.22	CY	52.00	116	11.00	24	0.00	0
L/B Feedwater Piping - Insulation	LF	99.05	CY	52.00	5,151	11.00	1,090	0.00	0
					61,145		61,393		8,865
Combustion Turbine									
Combustion Turbine Fdn Concrete	CY	1,682.00	CY	68.40	115,049	97.00	163,154	0.00	0
Condensate Pump Casings	EA	0.50	TN	228.80	114	0.00	0	120.00	60
Miscellaneous Mechanical Equipment Fdns < 25cy	CY	117.00	CY	68.40	8,003	97.00	11,349	0.00	0
C.T. Skid Mounted Equipment Fdn Concrete Pads	CY	106.00	CY	68.40	7,250	97.00	10,282	0.00	0
C.T. 4A Combustion Turbine	LT	188.50	TN	130.00	24,505	0.00	0	120.00	22,620
C.T. 4B Combustion Turbine	LT	188.50	TN	130.00	24,505	0.00	0	120.00	22,620
C.T. 4A Insulation	LT	28.89	CY	52.00	1,502	11.00	318	0.00	0
C.T. 4B Insulation	LT	28.89	CY	52.00	1,502	11.00	318	0.00	0

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
C.T. Interconnect Pipe 2 1/2" & > - Pipe	LF	108.22	TN	171.60	18,571	0.00	0	120.00	12,986
C.T. Interconnect Pipe 2" & < - Pipe	LF	9.89	TN	228.80	2,262	0.00	0	120.00	1,187
					203,264		185,421		59,473
Main Steam System									
Main Steam System 2 1/2" & > Pipe	LF	1,036.13	TN	171.60	177,799	0.00	0	120.00	124,335
L/B Main Steam Piping - Insulation	LF	171.03	CY	52.00	8,894	11.00	1,881	0.00	0
Aux Boiler System 2" & < - Pipe	LF	0.79	TN	228.80	180	0.00	0	120.00	95
Aux Boiler System 2 1/2" & > - Pipe	LF	3.00	TN	171.60	515	0.00	0	120.00	360
L/B Auxiliary Boiler Piping - Insulation	LF	7.67	CY	52.00	399	11.00	84	0.00	0
L/B B.O.P. Piping - Insulation	LF	3.80	CY	52.00	198	11.00	42	0.00	0
					187,984		2,008		124,790
Blowdown System									
HRSG Blowdown System 2" & Under - Pipe	LF	0.69	TN	228.80	159	0.00	0	120.00	83
HRSG Blowdown Tanks	EA	4.74	TN	171.60	813	0.00	0	120.00	569
Main Steam Drain Tanks	EA	2.88	TN	171.60	493	0.00	0	120.00	345
HRSG Blowdown Tanks - Insulation	SF	3.58	CY	52.00	186	11.00	39	0.00	0
Steam Drain Tanks - Insulation	SF	6.71	CY	52.00	349	11.00	74	0.00	0
Mechanical Finishes - Insulation	LT	100.00	CY	52.00	5,200	11.00	1,100	0.00	0
					7,201		1,213		997
Steam Turbine									
Steam Turbines - Insulation	SF	100.00	CY	52.00	5,200	11.00	1,100	0.00	0
Main Steam System 2" & < - Pipe	LF	7.63	TN	228.80	1,745	0.00	0	120.00	915
Steam Turbine Base Plates	LT	25.00	TN	130.00	3,250	0.00	0	120.00	3,000
Steam Turbine & Accessories	LT	175.00	TN	171.60	30,030	0.00	0	120.00	21,000
Hydraulic Power Unit	LT	1.50	TN	171.60	257	0.00	0	120.00	180
Instrument Tubing	LF	3.61	TN	228.80	826	0.00	0	120.00	433
					41,308		1,100		25,528
Condensate System									
Condensate System 2" & < - Pipe	LF	2.07	TN	228.80	473	0.00	0	120.00	248
Condensate System 2 1/2" & > - Pipe	LF	80.80	TN	171.60	13,864	0.00	0	120.00	9,695
L/B Condensate Piping - Insulation	LF	33.60	CY	52.00	1,747	11.00	370	0.00	0
Condenser Vacuum Pump Skid & Equip	LT	1.25	TN	171.60	215	0.00	0	120.00	150
Condensate Storage Tank Fdn	CY	14.00	CY	68.40	958	97.00	1,358	0.00	0
Condensate Make-Up Pumps	EA	0.75	TN	171.60	129	0.00	0	120.00	90
HRSG Chemical Fd. System 2" & < - Pipe	LF	1.02	TN	228.80	233	0.00	0	120.00	122
HRSG Chemical Feed Skids	LT	7.50	TN	171.60	1,287	0.00	0	120.00	900
Lube Oil Storage Tanks	EA	3.28	TN	171.60	559	0.00	0	120.00	391
Miscellaneous Process Tanks	EA	5.30	TN	171.60	909	0.00	0	120.00	636
Condensate Transfer System 2" & < - Pipe	LF	2.15	TN	228.80	492	0.00	0	120.00	258
Condensate Transfer System 2 1/2" & > - Pipe	LF	48.66	TN	171.60	8,350	0.00	0	120.00	5,839
Condensate Pumps	EA	2.39	TN	171.60	410	0.00	0	120.00	287
Condensate Transfer Pumps	EA	2.39	TN	171.60	410	0.00	0	120.00	287
Condensate Storage Tanks	EA	1.20	TN	171.60	205	0.00	0	120.00	143
Bulk Gas System 2" & < - Pipe	LF	5.79	TN	228.80	1,325	0.00	0	120.00	695
Condensers	EA	264.40	TN	171.60	45,371	0.00	0	5,000.00	1,322,000
Gland Steam Condensers	EA	2.50	TN	171.60	429	0.00	0	120.00	300
Condensate Air Rem System 2" & < - Pipe	LF	1.26	TN	228.80	288	0.00	0	120.00	151
Condensate Air Rem System 2 1/2" & > - Pipe	LF	3.53	TN	171.60	605	0.00	0	120.00	423

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
					78,260		1,728		1,342,616
Circulating Water System									
Circulating Water System 2" & < - Pipe	LF	0.75	TN	228.80	171	0.00	0	120.00	90
Circulating Water System 2 1/2" & > - Pipe	LF	1.59	TN	171.60	273	0.00	0	120.00	191
L/B Circulating Water Piping - Insulation	LF	50.00	CY	52.00	2,600	11.00	550	0.00	0
Circulating Water Pumps	EA	47.98	TN	228.80	10,977	0.00	0	120.00	5,757
C W Chem Tr System 2" & < - Pipe	LF	0.45	TN	228.80	103	0.00	0	120.00	54
24" Diameter ICW Pipe	LF	26.67	CY	262.20	6,992	0.00	0	0.00	0
84" Diameter ICW Pipe	LF	388.89	CY	262.20	101,967	0.00	0	0.00	0
Concrete - Cofferdam Area	CY	295.00	CY	68.40	20,178	97.00	28,615	0.00	0
66" Diameter Inground CW Pipe	LF	12.22	CY	262.20	3,205	0.00	0	0.00	0
					146,465		29,165		6,092
Screen Wash System									
Intake Bar Rack & Cleaning Rake	LT	2.50	TN	228.80	572	0.00	0	120.00	300
Intake Traveling Screens	LT	16.00	TN	228.80	3,661	0.00	0	120.00	1,920
Screen Wash Bubbler System Equipment	LT	0.50	TN	228.80	114	0.00	0	120.00	60
Screen Wash System 2" & < - Pipe	LF	0.04	TN	228.80	10	0.00	0	120.00	5
Screen Wash System 2 1/2" & > - Pipe	LF	0.83	TN	171.60	142	0.00	0	120.00	100
Screen Wash Pumps	EA	0.77	TN	171.60	132	0.00	0	120.00	92
					4,632		0		2,477
HRSO Stack									
HRSO Stack Foundation Concrete	CY	1,550.00	CY	68.40	106,020	97.00	150,350	0.00	0
Stack - Unit 4A	LT	131.75	TN	171.60	22,608	0.00	0	120.00	15,810
Stack - Unit 4B	LT	131.75	TN	171.60	22,608	0.00	0	120.00	15,810
Gland Steam Condenser - Insulation	SF	1.00	CY	52.00	52	11.00	11	0.00	0
					151,289		150,361		31,620
Lube Oil System									
Lube Oil System - 2" & < Pipe	LF	1.64	TN	228.80	374	0.00	0	120.00	196
Lube Oil System - 2 1/2" & > Pipe	LF	2.58	TN	171.60	443	0.00	0	120.00	310
Lube Oil Transfer/Return Pumps	EA	1.50	TN	171.60	257	0.00	0	120.00	180
S.T. Lube Oil Reservoir	EA	5.00	TN	171.60	858	0.00	0	120.00	600
Turbo Lube Oil Conditioner	EA	1.00	TN	171.60	172	0.00	0	120.00	120
					2,104		0		1,406
Cranes and Hoists									
Miscellaneous Monorails & Hoists	EA	32.50	TN	228.80	7,436	0.00	0	120.00	3,900
Combustion Turbine									
C.T. Atomizing Air Skids	LT	22.50	TN	228.80	5,148	0.00	0	120.00	2,700
C.T. Exhaust Frame Cooling Fan Skids	LT	6.00	TN	228.80	1,373	0.00	0	120.00	720
C.T. Starting Motor Skids	LT	27.50	TN	228.80	6,292	0.00	0	120.00	3,300
C.T. Water Wash Skids	LT	13.00	TN	228.80	2,974	0.00	0	120.00	1,560
C.T. Lube Oil Skids	LT	53.50	TN	228.80	12,241	0.00	0	120.00	6,420
C.T. Fuel Gas Skids	LT	44.00	TN	228.80	10,067	0.00	0	120.00	5,280
Insulation	LF	300.00	CY	52.00	15,600	11.00	3,300	0.00	0
C.T. Halon Skids	LT	2.50	TN	228.80	572	0.00	0	120.00	300
					54,267		3,300		20,280

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Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Closed Cooling Water System									
Closed Cooling Water Heat Exchanger	EA	25.57	TN	228.80	5,850	0.00	0	120.00	3,068
CCW System 2" & < - Pipe	LF	5.52	TN	228.80	1,262	0.00	0	120.00	662
CCW System 2 1/2" & > - Pipe	LF	73.02	TN	171.60	12,530	0.00	0	120.00	8,762
Closed Cooling Water Pumps	EA	4.88	TN	171.60	837	0.00	0	120.00	585
					20,479		0		13,078
Account 343 Totals					1,737,598		553,252		2,268,789
Account 344: Generators									
Steam Turbine Foundation Mat Concrete	CY	734.00	CY	68.40	50,206	97.00	71,198	0.00	0
Steam Turbine Pedestal Concrete	CY	620.00	CY	68.40	42,408	97.00	60,140	0.00	0
C.T. 4A Generator	LT	157.00	TN	130.00	20,410	0.00	0	120.00	18,840
C.T. 4B Generator	LT	157.00	TN	130.00	20,410	0.00	0	120.00	18,840
C.T. Generator Exit Skids	LT	5.00	TN	130.00	650	0.00	0	120.00	600
Generator Copper		18.00	TN	509.60	9,173	0.00	0	5,000.00	90,000
Generator	LT	200.00	TN	130.00	26,000	0.00	0	120.00	24,000
Account 344 Totals					169,256		131,338		152,280
Account 345: Accessory Electric Equipment									
Excitation Equipment									
Generator Excitation Power Transformers	EA	37.50	TN	171.60	8,580	0.00	0	120.00	4,500
Transformer Copper		15.00	TN	384.80	5,772	0.00	0	5,000.00	75,000
Instrumentation	EA	8.61	TN	228.80	589	0.00	0	120.00	1,033
					14,941		0		80,533
Electrical Equipment									
Electrical Equipment Pads Concrete	CY	75.00	CY	68.40	5,130	97.00	7,275	0.00	0
Uninterruptible Power Supply	LT	0.50	TN	228.80	114	0.00	0	120.00	60
Station Battery Charger & Panels	LT	3.00	TN	228.80	686	0.00	0	120.00	360
Grounding & Cathodic Protection	LT	27.50	TN	228.80	6,292	0.00	0	120.00	3,300
Grounding Grid (Incl. Pads Rods)	LF	5.53	TN	228.80	1,266	0.00	0	120.00	664
Lightning Protection	LT	2.50	TN	228.80	572	0.00	0	120.00	300
Embedded Conduits Foundations	LF	230.34	CY	68.40	15,755	97.00	22,343	0.00	0
Power & Control Conduits	LF	109.66	TN	228.80	25,090	0.00	0	120.00	13,159
Cable Tray	LF	152.16	TN	228.80	34,815	0.00	0	120.00	18,260
Concrete Duct Banks	CY	2,261.00	CY	68.40	154,852	97.00	219,317	0.00	0
Electrical Manholes	EA	41.67	CY	27.36	1,140	97.00	4,042	0.00	0
Isophase Bus	LF	9.00	TN	228.80	2,059	0.00	0	120.00	1,080
Main Control Boards	LT	13.33	TN	228.80	3,051	0.00	0	120.00	1,600
Miscellaneous Relay Panels	EA	3.56	TN	228.80	814	0.00	0	120.00	427
Instrument Racks	EA	10.80	TN	228.80	2,471	0.00	0	120.00	1,296
Annunciators	EA	5.00	TN	228.80	1,144	0.00	0	120.00	600
Miscellaneous Power Transformers	LT	27.50	TN	228.80	6,292	0.00	0	120.00	3,300
208/120V AC Distribution Panels	EA	0.89	TN	228.80	203	0.00	0	120.00	107
480 V Load Centers	EA	7.50	TN	228.80	1,716	0.00	0	120.00	900
480 V Motor Control Centers	EA	17.50	TN	228.80	4,004	0.00	0	120.00	2,100
480V AC Distribution Panels	EA	3.30	TN	228.80	755	0.00	0	120.00	396
Power Cable - 8KV	LF	60.65	TN	624.00	37,843	0.00	0	120.00	7,278
Power Cable - Medium Voltage	LF	30.42	TN	624.00	18,981	0.00	0	120.00	3,650

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Electrical Switchgear Foundation Concrete	CY	441.00	CY	68.40	30,164	97.00	42,777	0.00	0
Non-Seg Bus	LF	17.78	TN	228.80	4,068	0.00	0	120.00	2,134
4.16 KV Switchgear	EA	7.50	TN	228.80	1,716	0.00	0	120.00	900
Control Cable	LF	16.08	TN	624.00	10,036	0.00	0	120.00	1,930
Instrumentation Cable	LF	7.41	TN	624.00	4,621	0.00	0	120.00	889
Distributed Control System	LT	2.50	TN	228.80	572	0.00	0	120.00	300
					376,024		295,754		64,988
Account 345 Totals					390,965		295,754		145,521
Account 346: Miscellaneous Plant Equipment									
Compressed Air Piping	LF	10.74	TN	228.80	2,458	0.00	0	120.00	1,289
Instrument Air System 2" & < Pipe	LF	0.15	TN	228.80	33	0.00	0	120.00	17
Service Air System 2" & < Pipe	LF	2.85	TN	228.80	652	0.00	0	120.00	342
Instrument Air System 2 1/2" & > Pipe	LF	1.57	TN	171.60	269	0.00	0	120.00	188
Service Air System 2 1/2" & > Pipe	LF	1.83	TN	171.60	313	0.00	0	120.00	219
Instrument Air Compressors, Rec. & Dryers	LT	9.06	TN	228.80	2,073	0.00	0	120.00	1,087
Plant Communications & Phones	LT	2.00	TN	228.80	458	0.00	0	120.00	240
Heat Tracing	LT	1.25	TN	228.80	286	0.00	0	120.00	150
Fire Protection/Detection Equipment	LT	2.50	TN	228.80	572	0.00	0	120.00	300
Miscellaneous Electrical Items	LT	20.00	TN	228.80	4,576	0.00	0	120.00	2,400
Account 346 Totals					11,690		0		6,233
Unit 4 Totals					3,253,963		1,643,633		3,303,648
Unit 3 & 4 Totals					7,169,352		3,854,421		6,397,364
Unit 8									
Account 341: Structures and Improvements									
Lighting and Fire Protection Systems									
Yard Lighting	TN	5.50		369.20	2,031	0.00	0	120.00	660
Plant Lighting	TN	2.00		369.20	738	0.00	0	120.00	240
Fire Protection System Foundation	CY	53.00		68.40	3,625	97.00	5,141	0.00	0
Sanitary Sewer Piping Foundations	CY	18.22		68.40	1,246	97.00	1,768	0.00	0
					7,641		6,909		900
Power Block									
Power Block - Structural Steel	TN	1,044.00		171.60	179,150	0.00	0	120.00	125,280
Base Plates Unit 8	TN	80.00		171.60	13,728	0.00	0	120.00	9,600
Power Block - Handrail, Toeblock, Misc.	TN	10.00		369.20	3,692	0.00	0	120.00	1,200
Power Block - Decking	TN	603.18		369.20	222,694	0.00	0	120.00	72,382
Power Block - Ladders, Stairs & Platforms	TN	116.00		369.20	42,827	0.00	0	120.00	13,920
HRSG Structural/Ductwork - Unit 8	TN	840.20		228.80	192,238	0.00	0	120.00	100,824
Power Block Grade Slab Concrete	CY	4,000.00		68.40	273,600	97.00	388,000	0.00	0
Power Block Structure Foundation Concrete	CY	6,500.00		68.40	444,600	97.00	630,500	0.00	0
Power Block Elevated Slabs	CY	987.70		68.40	67,559	97.00	95,807	0.00	0
HRSG Analyzer Building	CY	200.00		27.36	5,472	97.00	19,400	0.00	0
HRSG DCS Building	CY	244.44		27.36	6,688	97.00	23,711	0.00	0
					1,452,248		1,157,418		323,206
Open Cooling Water System									
OCW System 2" & < - Pipe	TN	0.68		228.80	154	0.00	0	120.00	81

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
OCW System 2 1/2" & > - Pipe	TN	82.50		171.60	14,157	0.00	0	120.00	9,900
OCW Duplex Basket Strainers	TN	0.60		228.80	137	0.00	0	120.00	72
Open Cooling Water Pumps	TN	47.20		171.60	8,100	0.00	0	120.00	5,664
Open Cooling Water Booster Pumps	TN	9.80		171.60	1,682	0.00	0	120.00	1,176
					24,230		0		16,893
Pond Water System									
Pond Water System 2" & < - Pipe	TN	0.50		228.80	113	0.00	0	120.00	59
Pond Water System 2 1/2" & > - Pipe	TN	6.13		171.60	1,051	0.00	0	120.00	735
Pond Water Booster Pumps	TN	6.54		171.60	1,121	0.00	0	120.00	784
					2,286		0		1,579
Water Treatment System									
Service Water System 2" & < - Pipe	TN	4.20		171.60	961	0.00	0	120.00	504
Service Water System 2 1/2" & > - Pipe	TN	4.50		171.60	308	0.00	0	120.00	540
Service Water Pumps	TN	2.27		228.80	519	0.00	0	120.00	272
HRSB Blowdown Tank Sump	CY	200.00		68.40	13,680	97.00	19,400	0.00	0
Wastewater System 2" & < - Pipe	TN	1.85		228.80	422	0.00	0	120.00	221
Power Block Drainage Pipe Foundations	CY	63.56		27.36	1,739	97.00	6,165	0.00	0
Wastewater System 2 1/2" & > - Pipe	TN	234.00		171.60	40,154	0.00	0	120.00	28,080
Sump Pumps	TN	10.50		171.60	1,802	0.00	0	120.00	1,260
Sump Pumps & Miscellaneous	TN	3.00		171.60	515	0.00	0	120.00	360
Potable Water System	CY	29.63		27.36	811	97.00	2,874	0.00	0
Pipe Rack Drilled Piers - Concrete	CY	900.00		68.40	61,560	97.00	87,300	0.00	0
					122,471		115,739		31,238
Account 341 Totals:					1,608,876		1,280,066		373,815
Account 342: Fuel Holders									
Light Oil Tank - LO 1/A Tank 48,000 BBLs	TN	220.00	TN	n/a	32,040	n/a	0	120.00	26,400
Light Oil Tank - LO 1/B Tank 48,000 BBLs		220.00	TN	n/a	29,194				
Light Oil Tank - Cleaning	EA	n/a	n/a	n/a	0	n/a	81,027	n/a	0
Light Oil Tank - Soil Remediation	EA	n/a	n/a	n/a	0	n/a	17,313	n/a	0
Demolition of Foundation	EA	n/a	n/a	n/a	0	n/a	980,122	n/a	0
					61,234		1,078,462		26,400
Account 342 Totals					61,234		1,078,462		26,400
Account 343: Prime Movers									
HRSB Foundation	CY	1,212.00	CY	68.40	82,901	97.00	117,564	0.00	0
HRSB Mechanical - Unit 8	LT	635.20	TN	130.00	82,576	0.00	0	120.00	76,224
Mechanical Finishes - Casings	LT	66.45	TN	171.60	11,403	0.00	0	120.00	7,974
Modules - Unit 8	EA	9,402.60	TN	130.00	1,222,338	0.00	0	120.00	1,128,312
HRSB Blowdown System 2 1/2" & > - Pipe	LF	28.00	TN	171.60	4,805	0.00	0	120.00	3,360
Electrical & Controls - Unit 8	LT	55.00	TN	228.80	12,584	0.00	0	120.00	6,600
					1,416,606		117,564		1,222,470
Feedwater System									
Feedwater System 2" & < - Pipe	LF	4.50	TN	228.80	1,030	0.00	0	120.00	540
Feedwater System 2 1/2" & > - Pipe	LF	87.50	TN	171.60	15,015	0.00	0	120.00	10,500
HRSB HP Feedwater Pumps	EA	55.80	TN	171.60	9,575	0.00	0	120.00	6,696

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
HRSR LP Feedwater Pumps	EA	55.80	TN	171.60	9,575	0.00	0	120.00	6,696
HRSR Feed Pump Foundations Concrete	CY	900.00	CY	68.40	61,560	97.00	87,300	0.00	0
H P Feed Pumps - Insulation	SF	44.44	CY	52.00	2,311	11.00	489	0.00	0
L P Feed Pumps - Insulation	SF	33.33	CY	52.00	1,733	11.00	367	0.00	0
L/B Feedwater Piping - Insulation	LF	101.11	CY	52.00	5,258	11.00	1,112	0.00	0
					106,057		89,268		24,432
Blowdown System									
HRSR Blowdown System 2" & Under - Pipe	LF	1.35	TN	228.80	309	0.00	0	120.00	162
HRSR Blowdown Tanks	EA	9.48	TN	171.60	1,627	0.00	0	120.00	1,138
Main Steam Drain Tanks	EA	5.75	TN	171.60	987	0.00	0	120.00	690
HRSR Blowdown Tanks - Insulation	SF	6.67	CY	52.00	347	11.00	73	0.00	0
Steam Drain Tanks - Insulation	SF	13.33	CY	52.00	693	11.00	147	0.00	0
Mechanical Finishes - Insulation	LT	100.00	CY	52.00	5,200	11.00	1,100	0.00	0
					9,162		1,320		1,990
Steam Turbine									
Steam Turbines - Insulation	SF	40.74	CY	52.00	2,119	11.00	448	0.00	0
Main Steam System 2" & < - Pipe	LF	15.30	TN	228.80	3,501	0.00	0	120.00	1,836
Steam Turbine Base Plates	LT	50.00	TN	130.00	6,500	0.00	0	120.00	6,000
Steam Turbine & Accessories	LT	350.00	TN	171.60	60,060	0.00	0	120.00	42,000
Hydraulic Power Unit	LT	3.00	TN	171.60	515	0.00	0	120.00	360
Instrument Tubing	LF	6.25	TN	228.80	1,430	0.00	0	120.00	750
					74,124		448		50,946
Condensate System									
Condensate System 2" & < Pipe	LF	3.75	TN	228.80	858	0.00	0	120.00	450
Condensate System 2 1/2" & > Pipe	LF	165.00	TN	228.80	37,752	0.00	0	120.00	19,800
L/B Cond. & B.D. Piping - Insulation	LF	66.67	CY	52.00	3,467	11.00	733	0.00	0
Condenser Vacuum Pump Skid & Equipment	LT	2.50	TN	171.60	429	0.00	0	120.00	300
Condensate Storage Tank Foundation	CY	280.00	CY	68.40	19,152	97.00	27,160	0.00	0
Condensate Make-up Pumps	EA	1.50	TN	171.60	257	0.00	0	120.00	180
HRSR Chemical FD System 2" & < - Pipe	LF	1.95	TN	228.80	446	0.00	0	120.00	234
HRSR Chemical Feed Skids	LT	15.00	TN	228.80	3,432	0.00	0	120.00	1,800
Lube Oil Storage Tanks	EA	6.52	TN	228.80	1,492	0.00	0	120.00	782
Miscellaneous Process Tanks	EA	10.60	TN	228.80	2,425	0.00	0	120.00	1,272
Condensate Transfer System 2" & < - Pipe	LF	3.75	TN	228.80	858	0.00	0	120.00	450
Condensate Transfer System 2 1/2" & > - Pipe	LF	97.50	TN	171.60	16,731	0.00	0	120.00	11,700
Condensate Pumps	EA	62.80	TN	171.60	10,776	0.00	0	120.00	7,536
Condensate Transfer Pumps	EA	4.78	TN	171.60	820	0.00	0	120.00	574
Condensate Storage Tanks	EA	2.39	TN	228.80	547	0.00	0	120.00	287
Bulk Gas System 2" & < - Pipe	LF	10.50	TN	228.80	2,402	0.00	0	120.00	1,260
Condensers	EA	332.50	TN	171.60	57,057	0.00	0	2,000.00	665,000
Gland Steam Condensers	EA	5.00	TN	171.60	858	0.00	0	120.00	600
Condensate Air Rem System 2" & < - Pipe	LF	2.25	TN	171.60	386	0.00	0	120.00	270
Condensate Air Rem System 2" & > - Pipe	LF	0.60	TN	228.80	137	0.00	0	120.00	72
					160,284		27,893		712,567
Combustion Turbine									
Combustion Turbine Fdn Mat Concrete	CY	2,682.00	CY	68.40	183,449	97.00	260,154	0.00	0
Condensate Pump Calings	TN	4.00	TN	171.60	686	0.00	0	120.00	480
Misc. Mechanical Equipment Fdn Concrete	CY	300.00	CY	68.40	20,520	97.00	29,100	0.00	0
CT Equipment Fdn Concrete Pads	CY	450.00	CY	68.40	30,780	97.00	43,650	0.00	0
C.T. 8 Combustion Turbine	TN	754.00	TN	130.00	98,020	0.00	0	120.00	90,480

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
CT 8 Insulation	CY	180.00	CY	52.00	9,360	11.00	1,980	0.00	0
C.T. Interconnect Pipe 1 1/2" & >	TN	210.00	TN	228.80	48,048	0.00	0	120.00	25,200
C.T. Interconnect Pipe 1 1/2" & <	TN	9.50	TN	228.80	2,174	0.00	0	120.00	1,140
					393,037		334,884		117,300
Main Steam System									
Main Steam System 2 1/2" & > - PIPE	LF	1,687.50	TN	171.60	289,575	0.00	0	120.00	202,500
L/B Main Steam Piping - Insulation	LF	217.78	CY	52.00	11,324	11.00	2,396	0.00	0
Aux Boiler System 2" & < - Pipe	LF	1.50	TN	228.80	343	0.00	0	120.00	180
Aux Boiler System 2 1/2" & > - Pipe	LF	6.00	TN	228.80	1,373	0.00	0	120.00	720
L/B Auxiliary Boiler Piping - Insulation	LF	15.00	CY	52.00	780	11.00	165	0.00	0
L/B B.O.P. Piping - Insulation	LF	7.50	CY	52.00	390	11.00	83	0.00	0
					303,785		2,643		203,400
Circulating Water System									
Circulating Water System 2" & < - Pipe	TN	1.12	TN	171.60	193	0.00	0	120.00	135
Circulating Water System 2 1/2" & > - Pipe	TN	2.39	TN	228.80	546	0.00	0	120.00	286
L/B Circulating Water Piping - Insulation	CY	0.31	CY	171.60	53	11.00	3	0.00	0
Circulating Water Pumps	TN	47.98	TN	52.00	2,495	0.00	0	120.00	5,757
C W Chem Tr System 2" & < - Pipe	TN	0.75	TN	171.60	129	0.00	0	120.00	90
24" Diameter ICW Pipe	CY	44.44	CY	262.20	11,653	97.00	4,311	0.00	0
84" Diameter ICW Pipe	CY	622.22	CY	262.20	163,147	97.00	60,356	0.00	0
Concrete - Cofferdam Area	CY	350.00	CY	27.36	9,576	97.00	33,950	0.00	0
66" Diameter Inground CW Pipe	CY	24.44	CY	262.20	6,409	97.00	2,371	0.00	0
					194,200		100,991		6,268
HRSG Stack									
HRSG Stack Foundation Concrete	CY	1,550.00	CY	68.40	106,020	97.00	150,350	0.00	0
Stacks - Unit 8	LT	527.00	TN	171.60	90,433	0.00	0	120.00	63,240
Gland Steam Condenser - Insulation	SF	66.67	CY	52.00	3,467	11.00	733	0.00	0
					199,920		151,083		63,240
Lube Oil System									
Lube Oil System 2" & < - Pipe	LF	3.00	TN	228.80	686	0.00	0	120.00	360
Lube Oil System 2 1/2" & > - Pipe	LF	5.25	TN	171.60	901	0.00	0	120.00	630
Lube Oil Transfer/Return Pumps	EA	1.50	TN	171.60	257	0.00	0	120.00	180
S.T. Lube Oil Reservoir	EA	10.00	TN	171.60	1,716	0.00	0	120.00	1,200
Turbo L.O. Conditioner	EA	2.00	TN	171.60	343	0.00	0	120.00	240
					3,904		0		2,610
Closed Cooling Water System									
Closed Cooling Water Heat Exchanger	EA	29.34	TN	228.80	6,713	0.00	0	120.00	3,521
CCW System 2" & < - Pipe	LF	5.52	TN	228.80	1,262	0.00	0	120.00	662
CCW System 2 1/2" & > - Pipe	LF	73.02	TN	171.60	12,530	0.00	0	120.00	8,762
Closed Cooling Water Pumps	EA	4.88	TN	171.60	837	0.00	0	120.00	585
					21,342		0		13,530
Account 343 Totals:					2,882,422		826,095		2,418,752
Account 344: Generators									
Steam Turbine Foundation Mat Concrete	CY	1,200.00	CY	68.40	82,080	97.00	116,400	0.00	0

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet				Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
U	Total Units of Measure	Unit of Measure							
Steam Turbine Concrete Pedestal									
CY	920.00	CY	68.40	62,928	97.00	89,240	0.00	0	0
LT	628.00	TN	130.00	81,640	0.00	0	120.00	75,360	
LT	5.00	TN	171.60	858	0.00	0	120.00	600	
LT	90.00	TN	509.60	45,864	0.00	0	5,000.00	450,000	
LT	1,000.00	TN	130.00	130,000	0.00	0	120.00	120,000	
				403,370		205,640		645,960	
Cooling Tower									
TN	1,360.00	TN	369.20	502,112	0.00	0	120.00	163,200	
CY	550.00	CY	68.40	37,620	97.00	53,350	0.00	0	
				539,732		53,350		163,200	
Account 344 Totals:				943,102		258,990		809,160	
Account 345: Accessory Electric Equipment									
TN	10.00	TN	228.80	2,288	0.00	0	2,100.00	21,000	
TN	5.00	TN	228.80	1,144	0.00	0	2,100.00	10,500	
TN	77.00	TN	228.80	17,618	0.00	0	120.00	9,240	
TN	93.12	TN	228.80	21,306	0.00	0	120.00	11,174	
TN	54.00	TN	228.80	12,355	0.00	0	120.00	6,480	
TN	11.96	TN	228.80	2,736	0.00	0	120.00	1,435	
				57,446		0		59,829	
Excitation Equipment									
EA	37.50	TN	171.60	8,580	0.00	0	120.00	4,500	
EA	25.00	TN	384.80	9,620	0.00	0	5,000.00	125,000	
EA	8.61	TN	228.80	589	0.00	0	120.00	1,033	
				18,789		0		130,533	
Electrical Equipment									
CY	75.00	CY	68.40	5,130	97.00	7,275	0.00	0	
LT	0.50	TN	228.80	114	0.00	0	120.00	60	
LT	6.00	TN	228.80	1,373	0.00	0	120.00	720	
LT	137.50	TN	228.80	31,460	0.00	0	120.00	16,500	
LF	5.53	TN	228.80	1,266	0.00	0	120.00	664	
LT	2.50	TN	228.80	572	0.00	0	120.00	300	
LF	444.44	CY	68.40	30,400	97.00	43,111	0.00	0	
LF	109.66	TN	228.80	25,090	0.00	0	120.00	13,159	
LF	228.24	TN	228.80	52,222	0.00	0	120.00	27,389	
CY	3,000.00	CY	68.40	205,200	97.00	291,000	0.00	0	
EA	62.50	CY	27.36	1,710	97.00	6,063	0.00	0	
LF	45.00	TN	228.80	10,296	0.00	0	120.00	5,400	
LT	20.00	TN	228.80	4,576	0.00	0	120.00	2,400	
EA	5.33	TN	228.80	1,220	0.00	0	120.00	640	
EA	16.20	TN	228.80	3,707	0.00	0	120.00	1,944	
EA	5.00	TN	228.80	1,144	0.00	0	120.00	600	
LT	27.50	TN	228.80	8,292	0.00	0	120.00	3,300	
EA	0.89	TN	228.80	203	0.00	0	120.00	107	
EA	7.50	TN	228.80	1,716	0.00	0	120.00	900	
EA	42.50	TN	228.80	9,724	0.00	0	120.00	5,100	
EA	3.30	TN	228.80	755	0.00	0	120.00	396	

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	U	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Power Cable - 8KV	LF	90.97	TN	624.00	56,765	0.00	0	2,100.00	191,036
Power Cable - Medium Voltage	LF	45.63	TN	624.00	28,472	0.00	0	2,100.00	95,819
Electrical Switchgear Foundation Concrete	CY	882.00	CY	68.40	60,329	97.00	85,554	0.00	0
Non-Seg Bus	LF	17.78	TN	228.80	4,068	0.00	0	120.00	2,134
4.16 KV Switchgear	EA	7.50	TN	228.80	1,716	0.00	0	120.00	900
Control Cable	LF	24.12	TN	624.00	15,054	0.00	0	2,100.00	50,661
Instrumentation Cable	LF	9.85	TN	624.00	6,146	0.00	0	2,100.00	20,684
Distributed Control System	LT	5.00	TN	228.80	1,144	0.00	0	120.00	600
					567,864		433,003		441,412
Emergency Diesel Generators									
Diesel Generator Foundations	CY	81.00	CY	68.40	5,540	97.00	7,857	0.00	0
Emergency Diesel Generator	EA	5.02	TN	171.60	861	0.00	0	120.00	602
EDG System 2" & < - Pipe	LF	0.05	TN	228.80	10	0.00	0	120.00	5
					6,412		7,857		608
Account 345 Totals					650,511		440,860		632,382
Account 346: Miscellaneous Plant Equipment									
Compressed Air Piping	TN	15.04	TN	228.80	3,442	0.00	0	120.00	1,805
Instrument Air System 2" & < Pipe	TN	0.20	TN	228.80	47	0.00	0	120.00	24
Service Air System 2" & < Pipe	TN	3.99	TN	228.80	913	0.00	0	120.00	479
Instrument Air System 2 1/2" & > Pipe	TN	2.19	TN	228.80	501	0.00	0	120.00	263
Service Air System 2 1/2" & > Pipe	TN	2.74	TN	228.80	626	0.00	0	120.00	329
Instrument Air Compressors, Rec, & Dryers	TN	13.59	TN	228.80	3,109	0.00	0	120.00	1,631
Plant Communications & Phones	TN	3.00	TN	228.80	686	0.00	0	120.00	360
Heat Tracing	TN	1.88	TN	228.80	429	0.00	0	120.00	225
Fire Protection/Detection Equipment	TN	3.75	TN	228.80	858	0.00	0	120.00	450
Miscellaneous Electrical Items	TN	20.00	TN	228.80	4,576	0.00	0	120.00	2,400
Account 346 Totals					15,188		0		7,966
Unit 8 Totals					6,161,332		3,884,472		4,268,476
Grand Totals for Martin Combined Cycle					13,330,684		7,738,893		10,665,840

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. 981166-EI, Order No. PSC-04-0086-PAA-EI, issued on January 27, 2004. The current accruals became effective as of January 1, 2003.

PORT EVERGLADES
SUMMARY OF DISMANTLEMENT COSTS

FERC Account Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
<u>Port Everglades Common</u>				
311 Structures and Improvements	1,428,104	3,046,819	336,744	4,138,179
312 Boiler Plant Equipment	4,118	0	2,160	1,958
314 Turbogenerator Units	37,985	17,052	13,680	41,357
315 Accessory Electrical Equipment	139,541	26,460	299,836	(133,835)
316 Miscellaneous Equipment	9,841	0	4,020	5,821
Subtotal	1,619,589	3,090,331	656,440	4,053,480
<u>Other Site Costs:</u>				
Site Management Expenses	1,034,092			1,034,092
Stack disposal & Special Waste	963,470			963,470
Intake & Discharge Backfill	202,764			202,764
Grading & Seeding	2,966,637			2,966,637
Subtotal	5,166,963	0	0	5,166,963
Total	6,786,552	3,090,331	656,440	9,220,443
Contingency - 16%	1,085,848	494,453		1,580,301
Total Port Everglades Common	7,872,401	3,584,784	656,440	10,800,745
Unusable M&S Inventory	2,339,422		233,942	2,105,480
	10,211,823	3,584,784	890,382	12,906,225
<u>Port Everglades Units 1 & 2</u>				
311 Structures and Improvements	1,345,544	528,808	25,372	1,848,980
312 Boiler Plant Equipment	20,858,756	2,555,980	1,458,473	21,956,263
314 Turbogenerator Units	600,317	204,232	1,223,541	(418,992)
315 Accessory Electrical Equipment	511,915	67,326	1,262,192	(682,951)
316 Miscellaneous Equipment	0	0	0	0
Subtotal	23,316,533	3,356,346	3,969,578	22,703,301
Contingency - 16%	3,730,645	537,015		4,267,661
Total Port Everglades Units 1 & 2	27,047,178	3,893,362	3,969,578	26,970,962
<u>Port Everglades Units 3 & 4</u>				
311 Structures and Improvements	1,358,724	1,795,671	115,906	3,038,490
312 Boiler Plant Equipment	8,537,962	1,594,842	1,725,730	8,407,074
314 Turbogenerator Units	1,524,785	327,908	2,836,909	(984,216)
315 Accessory Electrical Equipment	287,064	75,068	664,452	(302,320)
316 Miscellaneous Equipment	0	0	0	0
Subtotal	11,708,535	3,793,489	5,342,997	10,159,027
Contingency - 16%	1,873,366	606,958		2,480,324
Total Port Everglades Units 3 & 4	13,581,901	4,400,448	5,342,997	12,639,351
<u>Port Everglades Gas Turbines</u>				
341 Structures and Improvements	6,840	9,800	0	16,640
342 Fuel Holders, Producers and Accessories	64,080	100,362	40,800	123,642
343 Prime Movers	161,647	0	113,040	48,607
344 Generators	178,367	0	180,456	(2,089)
345 Accessory Electric Equipment	116,804	0	328,040	(211,236)
Subtotal	527,739	110,162	662,336	(24,435)
Contingency - 16%	84,438	17,626		102,064
Total Port Everglades Gas Turbines	612,177	127,788	662,336	77,629
Total Dismantlement Costs	51,453,079	12,006,381	10,865,294	52,594,167

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	4,723,440	5,488,382	3,584,784	890,382	12,906,225
Port Everglades Units 1 & 2	16,228,307	10,818,871	3,893,362	3,969,578	26,970,962
Port Everglades Units 3 & 4	8,149,141	5,432,760	4,400,448	5,342,997	12,639,351
Port Everglade Gas Turbines	367,306	244,871	127,788	662,336	77,629
Total	29,468,194	21,984,885	12,006,381	10,865,294	52,594,167

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 – precut key members, lower and cut at ground level.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestal, foundation, and heavy concrete structures and building, stack foundations, equipment foundations, substructures, support buildings and stacks. Remove to landfill.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove septic tank and backfill.
- Remove underground storage tanks.
- Test and remove contaminated soil/bases – all areas.
- Install environmental monitoring equipment, for example, at wells.
- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

(Continued)

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

PORT EVERGLADES DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

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

REMOVAL COST FACTORS

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

Labor Rate

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

Labor	\$31.20	X	6	=	\$187.18
Foreman	\$39.71	X	1	=	\$39.71
Heavy Equipment Operator	\$38.04	X	1	=	\$38.04
Total Cost per hour of 8 man crew					<u>\$264.94</u>
Cost per man hour			\$264.94 / 8 =		<u>\$33.12</u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					22,749.18
Front End Loader					2,656.68
Cutting Equipment					231.75
Total per month					<u>\$25,637.60</u>
25,637.60	/	176	hours per month =		145.67
Cost per man hour			\$145.67 / 8 =		\$18.21
Plus: amount for small tools					1.00
Total Cost per man hour					<u>\$19.21</u>

PORT EVERGLADES DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$33.12
Equipment	19.21
Total	<u>\$52.33</u>
Rounded	<u>\$52.00</u>
For Concrete demolition add \$5.00 per hour additional equipment charge.	<u>\$57.00</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)	\$52.00	2.50 MH / Ton	\$130.00 / Ton
Heavy Steel (2)	\$52.00	3.30 MH / Ton	\$171.60 / Ton
General Steel	\$52.00	4.40 MH / Ton	\$228.80 / Ton
Light Steel	\$52.00	7.10 MH / Ton	\$369.20 / Ton
Concrete	\$57.00	0.48 MH / CY	\$27.36 / CY
Reinforced Concrete	\$57.00	1.20 MH / CY	\$68.40 / CY
Copper-Elect. Cable & Generator Leads &	\$52.00	12.00 MH / Ton	\$624.00 / Ton
Copper - Generator	\$52.00	9.80 MH / Ton	\$509.60 / Ton
Copper - Transformer	\$52.00	7.40 MH / Ton	\$384.80 / Ton
General Insulation	\$52.00	1.00 MH / CY	\$52.00 / CY
Inground Pipe-Metal(3)	\$52.00	6.00 MH / Ton	\$312.00 / Ton
Concrete Pipe	\$57.00	4.60 MH / Ton	\$262.20 / 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 \$37.35 per ton for both concrete and calcium-silicate insulation. The dumpster charges, including driver, are \$225.00 per haul for both 20 cubic yard and 30 cubic yard dumpsters.

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	\$225.00		1		\$225.00
Tipping Fees	\$37.35 / TN	X	30.5 TN		<u>1,139.18</u>
Total Cost per round Trip					<u>\$1,364.18</u>
Cost per Cubic Yard			\$1,364.18 / 15.38 cubic yards =		\$88.70
Plus 10% contractor profit					<u>8.87</u>
Total Cost per Cubic Yard					<u><u>\$97.57</u></u>
Rounded Cost per Cubic Yard					<u><u>\$98.00</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 - 30 cubic yards - the full volume of the dumpster). A cubic yard of insulation weighs 121.5 pounds or .060750 tons. A 30 cubic yard dumpster would hold 1.82 tons of insulation.

Calcium Silicate Insulation

Dumpster Charge	\$225.00 /haul	X	1 haul	=	\$225.00
Tipping Fees	\$37.35 / TN	X	1.82 TN	=	<u>67.98</u>
Total Cost per round Trip					<u>292.98</u>
Cost per Cubic Yard	\$292.98 / 27 cubic yards =				\$10.85
Plus 10% contractor profit					<u>1.09</u>
Total Cost per Cubic Yard					<u><u>\$11.94</u></u>
Rounded Cost per Cubic Yard					<u><u>\$12.00</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.

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 \$19,202 per month, both office and site, and contractor's expenses of \$23,885 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	\$43,087
Number of months	24.00
Total Site Management Expenses	<u>\$1,034,092</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 \$39,120; the cost for the discharge is \$31,131. Port Everglades has 2 Intakes and 4 Discharges:

	<u>Cost/Struc</u>	<u>Quantity</u>	
Intake	\$39,120	2	\$78,240
Discharge	\$31,131	4	\$124,525
		Total	\$202,764

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 \$56,186 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	\$56,186
Total Grading and Seeding Expense	<u>\$2,966,637</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	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	Realizable Total Salvage Value
Port Everglades Common										
FERC Account 311										
Improvements to Site										
Roads, Walks	CY	1	3.0	3.00	27.36	82	98.00	294	0.00	0
Yard Lighting	TN	1	9.5	9.50	369.20	3,507	0.00	0	120.00	1,140
						3,589		294		1,140
Condensing & Service Water System										
Service Water Tanks	TN	1	3.0	3.00	228.80	686	0.00	0	120.00	360
Intake & Discharge										
Concrete	CY	1	1,344.0	1,344.00	68.40	91,930	98.00	131,712	0.00	0
Concrete Piping - 48"	CY	1	28.0	28.00	262.20	7,342	0.00	0	0.00	0
						99,271		131,712		0
Station Structures										
Substructure Concrete Mats	CY	1	6,524.0	6,524.00	68.40	446,242	98.00	639,352	0.00	0
C.I. Drain Line	TN	1	781.3	781.30	171.60	134,071	0.00	0	120.00	93,756
Structural Steel	TN	1	754.8	754.80	171.60	129,524	0.00	0	120.00	90,576
Roofing & Floor Slabs	CY	1	403.0	403.00	27.36	11,026	98.00	39,494	0.00	0
Cranes, Derricks & Hoists	CY	1	157.5	157.50	228.80	36,036	0.00	0	120.00	18,900
Miscellaneous & Building Iron	TN	1	135.6	135.60	228.80	31,025	0.00	0	120.00	16,272
						787,924		678,846		219,504
Oil Storage Facilities										
Tanks & Accessories	TN	1	8.0	8.00	228.80	1,830	0.00	0	120.00	960
Oil Transfer Pumps & Motors	TN	1	8.7	8.70	228.80	1,991	0.00	0	120.00	1,044
Piping	TN	1	48.3	48.30	228.80	11,051	0.00	0	120.00	5,796
Reinforced Concrete	CY	1	1,270.0	1,270.00	68.40	86,868	98.00	124,460	0.00	0
						101,740		124,460		7,800
Building Equipment										
Building Elevator	TN	1	11.0	11.00	228.80	2,517	0.00	0	120.00	1,320
HVAC	TN	1	17.5	17.50	228.80	4,004	0.00	0	120.00	2,100
Plumbing	TN	1	14.0	14.00	228.80	3,203	0.00	0	120.00	1,680
Lighting & Building Wiring	TN	1	9.0	9.00	624.00	5,616	0.00	0	120.00	1,080
Fire Protection Equipment	TN	1	5.0	5.00	369.20	1,846	0.00	0	120.00	600
						17,186		0		6,780
Tank Farm										
#8 Fuel Oil Tanks	TN	N/A	288.0	288.00	0.00	288,360	n/a	0	120.00	34,560
Cleaning of all tanks	BL	N/A	0.0	0.00	n/a	0	n/a	1,650,000	0.00	0
Soil Remediation	CY	N/A	0.0	0.00	n/a	0	n/a	386,047	0.00	0
Total						288,360		2,036,047		34,560
Service Building										
Concrete	CY	1	45.0	45.00	27.36	1,231	98.00	4,410	0.00	0
Structural Steel	TN	1	27.0	27.00	171.60	4,633	0.00	0	120.00	3,240
Roofing	CY	1	20.0	20.00	27.36	547	98.00	1,960	0.00	0
Plumbing	TN	1	18.0	18.00	228.80	4,118	0.00	0	120.00	2,160
						10,530		6,370		5,400
Administration Building										
Concrete	CY	1	480.0	480.00	27.36	13,133	98.00	47,040	0.00	0
Structural Steel	TN	1	300.0	300.00	171.60	51,480	0.00	0	120.00	36,000
Roofing	CY	1	225.0	225.00	27.36	6,156	98.00	22,050	0.00	0

PORT EVERGLADES DISMANTLEMENT STUDY

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	Realizable Total Salvage Value
Plumbing	TN	1	210.0	210.00	228.80	48,048	0.00	0	120.00	25,200
						118,817		69,090		61,200
Total FERC Account 311						1,428,104		3,046,819		336,744
FERC Account 312										
Boiler Plant Equipment										
Boiler Room Instruments	TN	1	8.0	8.00	228.80	1,830	0.00	0	120.00	960
Boiler Blow-Off & Outfall Drains	TN	1	10.0	10.00	228.80	2,288	0.00	0	120.00	1,200
Total FERC Account 312						4,118		0		2,160
FERC Account 314										
Turbogenerator Unit										
Condenser Auxiliary Equipment - Condensate Pumps	TN	3	18.0	54.00	228.80	12,355	0.00	0	120.00	6,480
Motors - 900 hp, 4,000V	TN	3	18.0	48.00	228.80	10,982	0.00	0	120.00	5,760
Concrete	CY	1	174.0	174.00	68.40	11,902	98.00	17,052	0.00	0
Turbine Room Instruments	TN	1	12.0	12.00	228.80	2,748	0.00	0	120.00	1,440
Total FERC Account 314						37,985		17,052		13,680
FERC Account 315										
Accessory Electrical Equipment										
Auxiliary Power Transformer	TN	2	59.4	118.80	369.20	43,861	0.00	0	120.00	14,256
Transformer Copper	TN	1	54.0	53.96	384.80	20,764	0.00	0	5,000.00	269,800
Transformers - Foundation	CY	1	270.0	270.00	68.40	18,468	98.00	26,460	0.00	0
Start-Up Transformer	TN	1	75.5	75.50	369.20	27,875	0.00	0	120.00	9,060
Control Cable Supporting Cable Trays	TN	1	31.0	31.00	624.00	19,344	0.00	0	120.00	3,720
Control Boards & Load Centers	TN	1	25.0	25.00	369.20	9,230	0.00	0	120.00	3,000
Total FERC Account 315						139,541		26,460		299,836
FERC Account 316										
Miscellaneous Power Plant Equipment										
Compressed Air System	TN	1	18.0	18.00	228.80	4,118	0.00	0	120.00	2,160
Intrasite Communications & Signal Equipment	TN	1	3.5	3.50	369.20	1,292	0.00	0	120.00	420
Service Air Piping	TN	1	12.0	12.00	369.20	4,430	0.00	0	120.00	1,440
Total FERC Account 316						9,841		0		4,020
Total Port Everglades Common						1,619,589		3,090,331		656,440
Port Everglades Units 1 & 2										
FERC Account 311										
Improvements to Site										
Circ. & Serv. Water Sys. - Piping	TN	1	6.0	11.99	228.80	2,742	0.00	0	120.00	1,438
Pumping Equipment 3000 gpm	TN	3	1.8	10.80	228.80	2,471	0.00	0	120.00	1,296
Service Water Tanks	TN	2	2.5	10.00	228.80	2,288	0.00	0	120.00	1,200
Elevated Water Tank - 100,000 gal	TN	1	8.0	16.00	228.80	3,661	0.00	0	120.00	1,920
Reinforced Concrete	CY	1	1224.0	2,448.00	68.40	167,443	98.00	239,904	0.00	0
Travelling and Coarse Steel Screens	TN	2	21.0	83.80	228.80	19,173	0.00	0	120.00	10,056
Intake Gantry Crane - 20 Ton	TN	1	56.5	56.50	171.80	9,695	0.00	0	120.00	6,780

PORT EVERGLADES DISMANTLEMENT STUDY

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	Realizable Total Salvage Value
Screen Wash Pumps	TN	2	2.0	8.00	228.80	1,830	0.00	0	120.00	960
Chlorinator & Expansion Tank	TN	1	1.0	2.00	228.80	458	0.00	0	120.00	240
Reinforced Concrete Transition Blocks	TN	1	1388.0	2,776.00	68.40	189,878	98.00	272,048	0.00	0
Concrete Pipe	TN	1	430.0	860.00	262.20	225,492	0.00	0	0.00	0
Cast Iron Pipe	TN	1	2.4	4.75	312.00	1,482	0.00	0	120.00	570
Corrugated Metal Pipe	TN	1	3.8	7.60	312.00	2,371	0.00	0	120.00	912
Reinforced Concrete	CY	1	86.0	172.00	68.40	11,765	98.00	16,856	0.00	0
Concrete Culvert Pipe - 12" I.D.	TN	1	1344.0	2,688.00	262.20	704,794	0.00	0	0.00	0
Total Account 311						1,345,544		528,808		25,372
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil Day Tanks- 3,000 bbl	TN	2	50.60	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	n/a	51,000	0.00	0
Fuel Oil Day Tanks- Soil Remediation	EA	1	n/a	n/a	n/a	n/a	n/a	7,518	0.00	0
Fuel Oil Day Tanks - Reinforced Concrete	EA	1	n/a	n/a	n/a	n/a	n/a	51,142	0.00	0
Fuel Tank - 238,000 bbl	TN	1	793.33	793.33	n/a	48,060	n/a	0	120.00	95,200
Fuel Tank - Cleaning	EA	1	n/a	n/a	n/a	0	0.00	279,165	0.00	0
Fuel Tank - Soil Remediation	EA	1	n/a	n/a	n/a	0	0.00	59,651	0.00	0
Surge & Calibration Tanks - 3,000 bbl	TN	2	5.00	20.00	171.60	3,432	0.00	0	120.00	2,400
Light-Up Oil Tank - 600 bbl	TN	1	1.00	2.00	171.60	343	0.00	0	120.00	240
Fuel Oil Heaters	TN	3	10.08	60.48	228.80	13,838	0.00	0	120.00	7,258
Fuel Oil Burner Pumps (including motor)	TN	3	1.70	10.17	228.80	2,327	0.00	0	120.00	1,220
Burner Booster Fuel Oil Burner Pump	TN	1	2.90	5.79	228.80	1,325	0.00	0	120.00	695
Burner Windbox	TN	1	60.00	120.00	228.80	27,456	0.00	0	120.00	14,400
Subtotal						121,781		448,476		145,701
Boiler Equipment										
Boiler Frame & Platforms	TN	1	1,316.00	2,632.00	171.60	451,651	0.00	0	120.00	315,840
Walkways & Platforms	TN	1	170.00	340.00	369.20	125,528	0.00	0	120.00	40,800
Steel Decking, Grating & Handrail	TN	1	155.00	310.00	369.20	114,452	0.00	0	120.00	37,200
Boiler - including:	TN	1	1,736.00	3,472.00	171.60	595,795	0.00	0	120.00	416,640
Furnace Tubing										
Superheater Tubing										
Reheater Tubing										
Economizer Tubing										
Desuperheaters										
Brickwork & Refractories										
Forced Draft Fans										
Soot Blowers										
Buckstays										
Insulation	CY	1	1058.93	2,117.86		0	0.00	0	0.00	0
Circulating Water Pumps	TN	2	35.70	142.80	228.80	32,673	0.00	0	120.00	17,136
Circulating Water Pump Motors	TN	2	12.40	49.60	228.80	11,348	0.00	0	120.00	5,952
Instrument Air Compressors	TN	2	2.00	8.00	228.80	1,830	0.00	0	120.00	960
Air Piping	TN	1	4.43	8.86	228.80	2,026	0.00	0	120.00	1,063
Extraction Feedwater Heater #1	TN	1	14.45	28.90	171.60	4,959	0.00	0	120.00	3,468
Extraction Feedwater Heater #2	TN	1	10.05	20.10	171.60	3,449	0.00	0	120.00	2,412
Extraction Feedwater Heater #3	TN	1	9.75	19.50	228.80	4,462	0.00	0	120.00	2,340
Extraction Feedwater Heater #4	TN	1	8.30	16.60	228.80	3,798	0.00	0	120.00	1,992
Extraction Feedwater Heater #5	TN	1	51.00	102.00	228.80	23,338	0.00	0	120.00	12,240
Extraction Feedwater Heater #6	TN	1	24.05	48.10	228.80	11,005	0.00	0	120.00	5,772
Extraction Feedwater Heater #7	TN	1	28.95	57.90	228.80	13,248	0.00	0	120.00	6,948

PORT EVERGLADES DISMANTLEMENT STUDY

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	Realizable Total Salvage Value
Asbestos Abatement	CY	1	4,600.00	4,600.00	1,250.00	5,750,000	100.00	460,000	0.00	0
Deaerator	TN	1	20.00	40.00	171.60	6,864	0.00	0	120.00	4,800
Boiler Feed Pumps	TN	3	10.00	60.00	171.60	10,296	0.00	0	120.00	7,200
Boiler Feed Pump Motors	TN	6	15.00	180.00	228.80	41,184	0.00	0	120.00	21,600
Pedestal - Reinforced Concrete	CY	1	93.50	187.00	88.40	12,791	98.00	18,326	0.00	0
Condensate Storage Tank	TN	1	30.00	60.00	228.80	13,728	0.00	0	120.00	7,200
Condensate Storage Tank - Foundation	CY	1	32.00	64.00	68.40	4,378	98.00	6,272	0.00	0
Boiler Blowoff Tank	TN	1	1.08	2.16	171.60	371	0.00	0	120.00	259
Miscellaneous Tanks	TN	1	4.00	8.00	228.80	1,830	0.00	0	120.00	960
FW Sys - Steel Pressure Filters	TN	2	14.15	28.30	228.80	6,475	0.00	0	120.00	3,396
FW Sys - Cation Exchangers	TN	2	7.50	15.00	228.80	3,432	0.00	0	120.00	1,800
FW Sys - Steel Acid Tank	TN	1	7.25	7.25	228.80	1,659	0.00	0	120.00	870
Asbestos Abatement	CY	1	4,600.00	4,600.00	1,250.00	5,750,000	100.00	460,000	0.00	0
Condensate Recovery Collection Tank	TN	1	2.59	5.18	228.80	1,185	0.00	0	120.00	622
Subtotal						13,003,755		944,598		919,470
<u>Closed System Cooling Water Equipment</u>										
Cooling Water Pumps	TN	2	2.13	8.50	228.80	1,945	0.00	0	120.00	1,020
Cooling Water Heat Exchangers	TN	3	11.00	66.00	228.80	15,101	0.00	0	120.00	7,920
C W Ht Exch - Foundation	CY	1	22.00	44.00	68.40	3,010	98.00	4,312	0.00	0
Cooling Water Surge Tank	TN	1	1.43	2.85	228.80	652	0.00	0	120.00	342
Subtotal						20,707		4,312		9,282
<u>Boiler Plant Piping</u>										
Main Steam Piping - 18"	TN	1	81.37	162.73	171.60	27,925	0.00	0	120.00	19,528
Hot Reheat Piping - 26"	TN	1	87.83	175.65	171.60	30,142	0.00	0	120.00	21,078
Cold Reheat Piping - 20"	TN	1	45.95	91.90	171.60	15,771	0.00	0	120.00	11,028
Extraction Steam Piping	TN	1	93.31	186.63	171.60	32,025	0.00	0	120.00	22,395
Auxiliary Steam Piping	TN	1	5.32	10.63	171.60	1,825	0.00	0	120.00	1,276
Condensate Piping	TN	1	22.47	44.94	171.60	7,712	0.00	0	120.00	5,393
Asbestos Insulation	CY	1	2,000.00	4,000.00	1,250.00	5,000,000	100.00	400,000	0.00	0
Boiler Feed Piping	TN	1	11.01	22.01	171.60	3,777	0.00	0	120.00	2,641
Subtotal						5,119,176		400,000		83,340
<u>Water Piping</u>										
Deminerlized Water Piping	TN	1	3.34	6.69	228.80	1,531	0.00	0	120.00	803
Other Water Piping	TN	1	46.06	92.11	228.80	21,078	0.00	0	120.00	11,054
Miscellaneous Piping	TN	1	80.15	160.30	228.80	36,676	0.00	0	120.00	19,236
Subtotal						59,282		0		31,092
<u>Instrument Piping & Tubing</u>										
Instrument Piping	TN	1	6.71	13.42	228.80	3,070	0.00	0	120.00	1,610
Instrument Tubing	TN	1	34.49	68.98	228.80	15,782	0.00	0	120.00	8,277
Instrument Multitube	TN	1	3.74	7.48	228.80	1,712	0.00	0	120.00	898
Asbestos Insulation	CY	1	600.00	1,200.00	1,250.00	1,500,000	100.00	120,000	0.00	0
Subtotal						1,520,564		120,000		10,785
<u>Induced Draft Equipment</u>										
Gas Ducts	TN	1	600.00	1,200.00	171.60	205,920	0.00	0	120.00	144,000
Stack Breaching	TN	1	37.18	74.36	68.40	5,086	98.00	7,287	0.00	0
Foundations- Reinforced Concrete	CY	1	74.75	149.50	68.40	10,226	98.00	14,651	0.00	0
Insulation - Ducts	CY	1	900.00	1,800.00	68.40	123,120	12.00	21,600	0.00	0
Induced Draft Fans - Foundations	CY	1	178.50	357.00	68.40	24,419	98.00	34,986	0.00	0
Induced Draft Fans	TN	2	37.50	150.00	171.60	25,740	0.00	0	120.00	18,000

PORT EVERGLADES DISMANTLEMENT STUDY

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	Realizable Total Salvage Value
Induced Draft Fan - Motors	TN	2	17.85	71.40	228.80	16,336	0.00	0	120.00	8,568
Concrete Stack	CY	1	1,946.00	3,892.00	68.40	266,213	98.00	381,416	0.00	0
Stack - Reinforced Concr. Foundation	CY	1	775.00	1,550.00	68.40	106,020	98.00	151,900	0.00	0
Dust Collectors	TN	2	75.58	302.30	171.60	51,875	0.00	0	120.00	36,276
Dust Collectors - Foundation	CY	1	136.50	273.00	68.40	18,673	98.00	26,754	0.00	0
Subtotal						853,628		638,594		206,844
Miscellaneous Steel & Equipment	TN	1	433.00	433.00	369.20	159,864	0.00	0	120.00	51,960
Total Account 312						20,858,756		2,555,980		1,458,473
FERC Account 314										
Turbogenerator Unit										
Pedestal - Reinforced Concrete	CY	1	1,042.00	2,084.00	68.40	142,546	98.00	204,232	0.00	0
Turbogenerator - Unit	TN	1	370.00	740.00	130.00	96,200	0.00	0	120.00	88,800
Turbine Copper	TN	1	33.00	66.00	509.60	33,634	0.00	0	5,000.00	330,000
Turbine Plant Piping	TN	1	161.00	322.00	228.80	73,674	0.00	0	120.00	38,640
Turbine Plant Piping - Insulation	CY	1	392.86	2,785.71		0	0.00	0	0.00	0
Subtotal						346,053		204,232		457,440
Condenser & Auxiliaries										
Condenser	TN	1	337.50	675.00	171.60	115,830	0.00	0	120.00	81,000
Condenser Tubes	TN	1	117.50	235.00	369.20	86,762	0.00	0	2,800.00	658,000
Circulating Water Pumps	TN	2	9.75	39.00	228.80	8,923	0.00	0	120.00	4,680
Butterfly Valves	TN	2	4.30	17.19	228.80	3,934	0.00	0	120.00	2,063
Condensate Pumps	TN	2	6.50	26.00	228.80	5,949	0.00	0	120.00	3,120
Condensate Pump Motors	TN	2	4.60	18.40	228.80	4,210	0.00	0	120.00	2,208
Vent Condenser	TN	1	1.20	2.40	228.80	549	0.00	0	120.00	288
Main Vacuum Pump	TN	1	9.50	19.00	228.80	4,347	0.00	0	120.00	2,280
Main Vacuum Pump - Motor	TN	1	1.20	2.40	228.80	549	0.00	0	120.00	288
Auxiliary Vacuum Pump	TN	1	5.75	11.50	228.80	2,631	0.00	0	120.00	1,380
Auxiliary Vacuum Pump - Motor	TN	1	1.00	2.00	228.80	458	0.00	0	120.00	240
Subtotal						234,142		0		755,547
Turbine Room Auxiliaries										
Turbine Lube Oil Dump Tank	TN	1	1.78	3.55	228.80	812	0.00	0	120.00	426
Turbine Lube Cooler	TN	1	8.80	17.60	228.80	4,027	0.00	0	120.00	2,112
Hydrogen Cooler	TN	1	2.45	4.90	228.80	1,121	0.00	0	120.00	588
Generator Exciter Air Cooler	TN	1	2.20	4.40	228.80	1,007	0.00	0	120.00	528
Subtotal						6,967		0		3,654
Miscellaneous Steel & Equipment	TN	1	57.50	57.50	228.80	13,156	0.00	0	120.00	6,900
Total Account 314						600,317		204,232		1,223,541
FERC Account 315										
Accessory Electrical Equipment										
Generator Leads and Enclosures	TN	1	9.00	18.00	228.80	4,118	0.00	0	120.00	2,160
Reinforced Concrete	CY	1	109.00	109.00	68.40	7,456	98.00	10,682	0.00	0
Foundations - Reinforced Concrete	CY	1	18.00	18.00	68.40	1,231	98.00	1,764	0.00	0
Auxiliary Power Transformer	TN	1	28.98	57.95	369.20	21,395	0.00	0	120.00	6,954
Circ. Pump Power Supply Transformers	TN	4	1.55	12.40	369.20	4,578	0.00	0	120.00	1,488
Start-Up Transformer	TN	1	36.75	36.75	369.20	13,568	0.00	0	120.00	4,410
Transformer Copper	TN	1	26.29	26.29	384.80	10,116	0.00	0	5,000.00	131,450

PORT EVERGLADES DISMANTLEMENT STUDY

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	Realizable Total Salvage Value
One-Section ITE Circuit Breaker	TN	1	5.00	10.00	369.20	3,692	0.00	0	120.00	1,200
Metal Clad Switchgear - 4160 v	TN	1	32.00	64.00	369.20	23,629	0.00	0	120.00	7,680
Metal Clad Switchgear - 480 v	TN	1	17.00	17.00	228.80	3,890	0.00	0	120.00	2,040
Concrete	CY	1	560.00	560.00	68.40	38,304	98.00	54,880	0.00	0
Conduit	TN	1	97.14	194.27	228.80	44,449	0.00	0	120.00	23,313
Exposed Conduit & Trays	TN	1	19.68	39.35	228.80	9,004	0.00	0	120.00	4,722
Cable Trays	TN	1	16.90	33.80	228.80	7,733	0.00	0	120.00	4,056
Subtotal						193,164		67,326		189,473
Power & Control Wiring										
No. 1 and Smaller	TN	1	12.47	24.93	624.00	15,559	0.00	0	2,100.00	52,362
1/0 to 4/0	TN	1	8.62	17.23	624.00	10,752	0.00	0	2,100.00	36,186
Multiconductor - Various Sizes	TN	1	185.24	370.48	624.00	231,178	0.00	0	2,100.00	778,004
5kv, 4/0 & Smaller	TN	1	5.49	10.98	624.00	6,854	0.00	0	2,100.00	23,068
5kv, 200 MCM to 500 MCM	TN	1	11.01	22.03	624.00	13,746	0.00	0	2,100.00	46,261
5kv, 1500 MCM	TN	1	25.20	50.40	624.00	31,450	0.00	0	2,100.00	105,840
Thermocouple Wire	TN	1	5.59	11.18	624.00	6,973	0.00	0	2,100.00	23,468
W & C Connections - 600v, #8 & Smaller	TN	1	1.79	3.59	624.00	2,238	0.00	0	2,100.00	7,531
Subtotal						318,751		0		1,072,719
Total Account 315						511,915		67,326		1,262,192
TOTAL PORT EVERGLADES UNIT 1 & 2						23,316,533		3,356,346		3,969,578
PORT EVERGLADES UNITS 3 & 4										
FERC Account 311										
Improvements to Site										
Concrete Pavement	CY	1	79	158.00	27.36	4,323	98.00	15,484	0.00	0
Sewer System:										
48" Concrete Pipe - 6"	TN	1	1.61	1.61	27.36	44	98.00	158	0.00	0
48" Concrete Pipe - 8"	TN	1	3.20	3.20	27.36	88	98.00	314	0.00	0
48" Concrete Pipe - 10"	TN	1	7.20	7.20	27.36	197	98.00	706	0.00	0
48" Concrete Pipe - 12"	TN	1	7.40	7.40	27.36	202	98.00	725	0.00	0
48" Concrete Pipe - 15"	TN	1	6.80	6.80	27.36	186	98.00	666	0.00	0
48" Concrete Pipe - 18"	TN	1	5.80	5.80	27.36	159	98.00	568	0.00	0
Subtotal						5,199		18,621		0
Condensing and Service Water System										
Water Treatment Area Slab	CY	1	261.00	522.00	68.40	35,705	98.00	51,156	0.00	0
Piping - Cast Iron - 18"	TN	1	26.98	53.96	312.00	16,834	0.00	0	120.00	6,475
Intake Cooling Water Pumps	TN	2	2.00	8.00	228.80	1,830	0.00	0	120.00	960
Intake Structure - Concrete	CY	1	849.00	1,698.00	68.40	116,143	98.00	166,404	0.00	0
Wingwall Cap & Crane Rail Pads	CY	1	106.00	212.00	68.40	14,501	98.00	20,776	0.00	0
Traveling Water Screens	TN	2	14.11	56.43	228.80	12,911	0.00	0	120.00	6,771
1 1/2 Ton Electric Hoist	TN	1	3.50	7.00	228.80	1,601	0.00	0	120.00	840
Screen Refuse Line - Concrete Pipe	TN	1	506.67	1,013.33	27.36	27,725	98.00	99,307	0.00	0
Intake Culvert - 144" concrete pipe	TN	1	322.67	645.33	27.36	17,656	98.00	63,243	0.00	0

PORT EVERGLADES DISMANTLEMENT STUDY

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Inlet & Outlet Concrete Structures	CY	1	404.00	808.00	68.40	55,267	98.00	79,184	0.00	0
Intake Conduit - 78" Rein Conc Pipe	TN	1	547.33	1,094.67	68.40	74,875	98.00	107,277	0.00	0
Concrete	CY	1	692.00	1,384.00	68.40	94,666	98.00	135,632	0.00	0
Discharge Conduit - 60" Concr Pipe	TN	1	249.58	499.17	68.40	34,143	98.00	48,918	0.00	0
Concrete	CY	1	360.00	720.00	68.40	49,248	98.00	70,560	0.00	0
Seal Well Concrete Structure	CY	1	390.00	780.00	68.40	53,352	98.00	76,440	0.00	0
Concrete Pedestal Mat	CY	1	3,712.00	7,424.00	68.40	507,802	98.00	727,552	0.00	0
Structural Steel	TN	1	305.00	610.00	171.60	104,676	0.00	0	120.00	73,200
Miscellaneous Steel	TN	1	23.00	46.00	228.80	10,525	0.00	0	120.00	5,520
Floors - Concrete	CY	1	167.00	334.00	68.40	22,846	98.00	32,732	0.00	0
Galvanized Steel Floor	TN	1	52.20	104.40	228.80	23,887	0.00	0	120.00	12,528
Forced Draft Fan Enclosure - Concr	CY	1	147.00	294.00	68.40	20,110	98.00	28,812	0.00	0
Elevator	TN	1	37.60	75.20	228.80	17,208	0.00	0	120.00	9,024
Subtotal						1,313,507		1,707,993		115,318
Fuel & Ash Structures										
Concrete	CY	1	29.00	58.00	68.40	3,967	98.00	5,684	0.00	0
Ash Pit Sumps - Concrete	CY	1	18.00	36.00	68.40	2,462	98.00	3,528	0.00	0
Ash Disposal Lines - 10"	CY	1	113.33	226.67	27.36	6,202	98.00	22,213	0.00	0
Concrete	CY	1	152.00	304.00	68.40	20,794	98.00	29,792	0.00	0
Fuel Oil Transfer Pumps	TN	2	1.23	4.90	228.80	1,121	0.00	0	120.00	588
Fuel Oil Trnsfr Hse Extn - Concrete	CY	1	80.00	80.00	68.40	5,472	98.00	7,840	0.00	0
Subtotal						40,018		69,057		588
Total Account 311						1,358,724		1,795,671		115,906
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Metering Tank - Fdn & Conc Firewalls	CY	1	302.00	604.00	0.00	0	n/a	0	0.00	0
Fuel Oil Metering Tank - 12000 bbl	TN	1	50.60	101.20	0.00	32,040	n/a	0	120.00	12,144
Fuel Oil Metering Tank - Cleaning	EA	1	n/a	n/a	n/a	0	n/a	100,000	0.00	0
Fuel Oil Metering Tank - Soil Remediation	EA	1	n/a	n/a	n/a	0	n/a	27,218	0.00	0
Fuel Oil Metering Tank - Foundation	EA	1	n/a	n/a	n/a	0	n/a	66,342	0.00	0
Fuel Tank - Reinforced Concrete	EA	1	87.00	87.00	68.40	5,951	98.00	8,526	0.00	0
Fuel Tank - 238,000 bbl	TN	1	793.33	793.33	n/a	48,060	n/a	0	120.00	95,200
Fuel Tank - Cleaning	EA	1	n/a	n/a	n/a	0	n/a	231,764	0.00	0
Fuel Tank - Soil Remediation	EA	1	n/a	n/a	n/a	0	n/a	49,552	0.00	0
Burner Pumps	TN	3	1.50	9.00	228.80	2,059	0.00	0	120.00	1,080
Concrete	CY	1	77.00	154.00	68.40	10,534	98.00	15,092	0.00	0
Forced Draft Foundation	CY	1	193.00	386.00	68.40	26,402	98.00	37,828	0.00	0
Forced Draft Fans - 384,000 cfm	TN	2	30.50	122.00	171.60	20,935	0.00	0	120.00	14,640
3,500 HP Motors - 4000v, 1200 rpm	TN	2	8.00	32.00	171.60	5,491	0.00	0	120.00	3,840
Forced Draft Fan Air Ducts	TN	2	307.20	1,228.80	228.80	281,149	0.00	0	120.00	147,456
Insulation	CY	1	480.00	960.00	52.00	49,920	12.00	11,520	0.00	0
Insulation	CY	1	460.00	920.00	1,250.00	1,150,000	100.00	92,000	0.00	0
Subtotal						1,632,542		639,842		274,360
Boiler Equipment										
Boiler Frame	TN	1	1,232.00	2,464.00	171.60	422,822	0.00	0	120.00	295,680
Platforms, Grating & Handrails	TN	1	237.00	474.00	369.20	175,001	0.00	0	120.00	56,880
Boiler - Including:	TN	1	3,042.00	6,084.00	171.60	1,044,014	0.00	0	120.00	730,080
Drum										
Waterwall, Cowncorners & Tubes										

PORT EVERGLADES DISMANTLEMENT STUDY

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	Realizable Total Salvage Value
Piping, Valves & Silencers										
Radiant Superheater										
Convection Superheater										
Reheater										
Economizer										
Sootblowers										
Insulation	CY	1	340.00	680.00	52.00	35,360	12.00	8,160	0.00	0
Asbestos Insulation	CY	1	475.00	950.00	1,250.00	1,187,500	100.00	95,000	0.00	0
Alr Preheater	TN	2	250.00	1,000.00	171.60	171,600	0.00	0	120.00	120,000
Subtotal						3,036,298		103,160		1,202,640
Boiler Plant Auxiliaries										
H.P. Feedwater Heater #1	TN	1	67.45	134.90	171.60	23,149	0.00	0	120.00	16,188
H.P. Feedwater Heater #2	TN	1	50.95	101.90	171.60	17,486	0.00	0	120.00	12,228
L.P. Feedwater Heater #3	TN	1	17.85	35.70	228.80	8,168	0.00	0	120.00	4,284
L.P. Feedwater Heater #4	TN	1	15.10	30.20	228.80	6,910	0.00	0	120.00	3,624
L.P. Feedwater Heater #5	TN	1	11.85	23.70	228.80	5,423	0.00	0	120.00	2,844
L.P. Feedwater Heater #6	TN	1	15.85	31.70	228.80	7,253	0.00	0	120.00	3,804
L.P. Feedwater Heater #7	TN	1	21.85	43.70	228.80	9,999	0.00	0	120.00	5,244
Asbestos Insulation	CY	1	475.00	950.00	1,250.00	1,187,500	100.00	95,000	0.00	0
Boiler Feed Pumps (including motors)	TN	2	27.00	108.00	171.60	18,533	0.00	0	120.00	12,960
Concrete	CY	1	119.00	238.00	68.40	16,279	98.00	23,324	0.00	0
Condensate Storage Tank - 150,000 gal	TN	1	41.25	82.50	228.80	18,876	0.00	0	120.00	9,900
Condensate Storage Tank Foundation	CY	1	105.00	210.00	68.40	14,364	98.00	20,580	0.00	0
Subtotal						1,333,939		138,904		71,076
Boiler Plant Piping										
Main Steam Piping - 20.5 inch OD	TN	1	75.50	151.01	171.60	25,913	0.00	0	120.00	18,121
Main Steam Piping - 16 Inch OD	TN	1	6.71	13.41	171.60	2,301	0.00	0	120.00	1,609
Hot Reheat Piping - 30 inch OD	TN	1	44.17	88.34	171.60	15,159	0.00	0	120.00	10,601
Hot Reheat Piping - 22 inch OD	TN	1	13.14	26.29	171.60	4,511	0.00	0	120.00	3,155
Cold Reheat Piping - 32 inch OD	TN	1	20.31	40.62	171.60	6,971	0.00	0	120.00	4,875
Cold Reheat Piping - 24 inch OD	TN	1	7.71	15.42	171.60	2,646	0.00	0	120.00	1,851
Boiler Plant Piping Insulation	CY	1	400.00	800.00	52.00	41,600	12.00	9,600	0.00	0
Boiler Plant Piping Insulation	CY	1	620.00	1,240.00	1,250.00	1,550,000	100.00	124,000	0.00	0
Extraction Steam Piping	TN	1	32.00	64.00	171.60	10,982	0.00	0	120.00	7,680
Boiler Feed Piping	TN	1	46.00	92.00	171.60	15,787	0.00	0	120.00	11,040
Boiler Feed Piping Insulation	CY	1	320.00	640.00	52.00	33,280	12.00	7,680	0.00	0
Silencers	TN	3	4.10	24.60	228.80	5,628	0.00	0	120.00	2,952
Saturated Auxiliary Steam - Piping	TN	1	21.72	43.43	228.80	9,937	0.00	0	120.00	5,212
Service & Cooling Water Piping	TN	1	94.85	189.70	228.80	43,403	0.00	0	120.00	22,764
Instrument, Sampling & Control Piping	TN	1	33.20	66.40	228.80	15,191	0.00	0	120.00	7,967
Pipe Insulation	CY	1	395.00	790.00	52.00	41,080	12.00	9,480	0.00	0
Asbestos Pipe Insulation	CY	1	80.00	60.00	1,250.00	75,000	100.00	6,000	0.00	0
Subtotal						1,899,392		156,760		97,827
Induced Draft Equipment										
Insulation	CY	1	85.71	171.43		0	0.00	0	0.00	0
Insulation	CY	1	340.00	680.00	52.00	35,360	12.00	8,160	0.00	0
Stacks	CY	1	1,970.00	3,940.00	68.40	269,496	98.00	386,120	0.00	0
Dust Collectors 4,700 cu. ft.	TN	2	35.00	140.00	171.60	24,024	0.00	0	120.00	16,800
Concrete Stack Foundation	CY	1	826.00	1,652.00	68.40	112,997	98.00	161,896	0.00	0
Subtotal						441,877		556,176		16,800

PORT EVERGLADES DISMANTLEMENT STUDY

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Miscellaneous Steel & Equipment	TN	1	525.23	525.23	369.20	193,915	0.00	0	120.00	63,028
Total Account 312						8,537,962		1,594,842		1,725,730
FERC Account 314										
Turbo-Generator Units										
Conditioner	TN	1	1.83	3.65	228.80	836	0.00	0	120.00	438
Pedestal Concrete	CY	1	1,586.00	3,172.00	68.40	216,965	98.00	310,856	0.00	0
Inserts & Anchor Bolts	TN	1	1.73	3.47	228.80	793	0.00	0	120.00	416
Turbo-Generator Unit	TN	1	648.00	1,296.00	130.00	168,480	0.00	0	120.00	155,520
Turbine Piping	TN	1	260.00	520.00	624.00	324,480	0.00	0	120.00	62,400
Turbine Copper	TN	1	58.00	116.00	509.60	59,114	0.00	0	5,000.00	580,000
Turbine Insulation	CY	1	250.00	500.00		0	0.00	0	0.00	0
Subtotal						770,667		310,856		798,774
Condensers and Auxiliaries										
Condenser Shell	TN	1	867.50	1,735.00	171.60	297,726	0.00	0	120.00	208,200
Condenser Tubes - Titanium	TN	1	214.50	429.00	369.20	158,387	0.00	0	4,000.00	1,716,000
Circulating Water Pumps - 137,500 gpm	TN	2	52.50	210.00	228.80	48,048	0.00	0	120.00	25,200
Motors 1,250 HP, 4000v, 257 rpm	TN	2	18.04	72.14	228.80	16,506	0.00	0	120.00	8,657
Butterfly Valves	TN	2	8.00	32.00	228.80	7,322	0.00	0	120.00	3,840
Cond Pumps - 24" suction, 12" dischrq	TN	3	9.23	55.35	228.80	12,664	0.00	0	120.00	6,642
Motors - 900 HP, 4,000 v, 1,200 rpm	TN	3	5.85	35.10	228.80	8,031	0.00	0	120.00	4,212
Concrete	CY	1	87.00	174.00	68.40	11,902	98.00	17,052	0.00	0
Tank - 6,500 gallon	TN	1	27.18	54.36	228.80	12,438	0.00	0	120.00	6,523
Subtotal						573,022		17,052		1,979,274
Miscellaneous Steel & Equipment	TN	1	490.51	490.51	369.20	181,096	0.00	0	120.00	58,861
Total Account 314						1,524,785		327,908		2,836,909
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Concrete	CY	1	8.00	16.00	68.40	1,094	98.00	1,568	0.00	0
Steel Structures & Supports	TN	1	3.40	6.80	171.60	1,167	0.00	0	120.00	816
Equipment Foundations - Concrete	CY	1	29.00	58.00	68.40	3,967	98.00	5,684	0.00	0
Switchgear Foundations - Concrete	TN	1	77.00	154.00	68.40	10,534	98.00	15,092	0.00	0
Aux Power Transformer - 24,000 kva 4080gl	TN	1	59.40	118.80	369.20	43,861	0.00	0	120.00	14,256
Transformer Copper	TN	1	53.96	53.96	384.80	20,764	0.00	0	5,000.00	269,800
Concrete	CY	1	269.00	538.00	68.40	36,799	98.00	52,724	0.00	0
Conduit	TN	1	40.00	80.00	369.20	29,536	0.00	0	120.00	9,600
Conductors - Generator Leads	TN	1	20.00	40.00	624.00	24,960	0.00	0	5,000.00	200,000
Power Wiring - 5,000 v & 600 v	TN	1	35.00	70.00	624.00	43,680	0.00	0	2,100.00	147,000
Switchgear - 4,160v Metalclad	TN	1	40.00	80.00	369.20	29,536	0.00	0	120.00	9,600
Switchgear - 480v Metalclad	TN	1	18.00	36.00	369.20	13,291	0.00	0	120.00	4,320
Startup Transformer	TN	1	75.50	75.50	369.20	27,875	0.00	0	120.00	9,060
Total Account 315						287,064		75,068		664,452
TOTAL PORT EVERGLADES UNITS 3 & 4						11,708,535		3,793,489		5,342,997

PORT EVERGLADES DISMANTLEMENT STUDY

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	Realizable Total Salvage Value
GAS TURBINES										
FERC Account 341										
Structures & Improvements										
Concrete and Foundations	CY	1	100.00	100.00	68.40	6,840	98.00	9,800	0.00	0
Total Account 341						6,840		9,800		0
FERC Account 342										
Fuel Holders										
Fuel Oil Storage Tanks PPE 903 & PPE 904	TN	2	170.00	340.00	0.00	64,080	0.00	0	120.00	40,800
Cleaning of Fuel Oil Storage Tank	BL	n/a	n/a	n/a	0.00	0	n/a	89,712	0.00	0
Sand Base Beneath Fuel Oil Storage Tank	CY	n/a	n/a	n/a	0.00	0	n/a	10,650	0.00	0
Total Account 342						64,080		100,362		40,800
FERC Account 343										
Prime Movers										
Gas Expander With Sole Plates	TN	1	37.20	446.40	171.60	76,602	0.00	0	120.00	53,568
Gas Generator Engines With Bases	TN	1	6.00	72.00	171.60	12,355	0.00	0	120.00	8,640
Turning Gear & Outer Exhaust Case	TN	1	4.30	51.60	171.60	8,855	0.00	0	120.00	6,192
Upper Half - Outer Exhaust Case	TN	1	1.25	15.00	171.60	2,574	0.00	0	120.00	1,800
Upper Half - Inner Exhaust Case	TN	1	11.00	132.00	171.60	22,651	0.00	0	120.00	15,840
Other Items	TN	1	18.75	225.00	171.60	38,610	0.00	0	120.00	27,000
Total Account 343						161,647		0		113,040
FERC Account 344										
Generators										
Generator - Electric with Soleplates	TN	1	77.00	924.00	171.60	158,558	0.00	0	120.00	110,880
Turbine Copper	TN	1	6.00	12.00	509.60	6,115	0.00	0	5,000.00	60,000
Rotor and 2 Coupling Hubs	TN	1	6.65	79.80	171.60	13,694	0.00	0	120.00	9,576
Total Account 344						178,367		0		180,456
FERC Account 345										
Accessor Electrical Equipment										
Transformer Copper	TN	1	55.60	55.60	384.80	21,395	0.00	0	5,000.00	278,000
Transformers	TN	1	139.00	417.00	228.80	95,410	0.00	0	120.00	50,040
Total Account 345						116,804		0		328,040
TOTAL PORT EVERGLADES GAS TURBINES						527,739		110,162		662,336
TOTAL PORT EVERGLADES UNITS 1 THRU 4, TANK FARM, AND GAS TURBINES						37,172,396		10,350,329		10,631,352

Putnam Plant

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Putnam Plant

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

<u>Unit</u>	<u>Year</u>
Common	2020
Unit 1	2020
Unit 2	2020

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

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

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Putnam plant in Docket No. 030558-EI, Order No. PSC-04-0086-PAA-EI, issued on January 27, 2004. The current accruals became effective as of January 1, 2003.

PUTNAM
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
Putnam Common					
<u>Production Plant</u>					
341	Structures and Improvements	731,248	968,503	105,068	1,594,682
342	Fuel Holders	401,868	378,850	289,571	491,147
343	Prime Movers	122,175	12,573	47,354	87,394
344	Generator Units	0	0	0	0
345	Accessory Electrical Equipment	738,713	63,366	714,898	87,180
346	Miscellaneous Equipment	8,844	0	4,020	4,824
	Subtotal	2,002,847	1,423,292	1,160,912	2,265,227
<u>Other Site Costs:</u>					
	Site Management Expenses	517,046			517,046
	Asbestos Abatement Costs	15,000			15,000
	Other Site Contamination & Special Waste	1,194,650			1,194,650
	Intake & Discharge Backfill	39,120			39,120
	Grading & Seeding	2,028,326			2,028,326
	Subtotal	3,794,141	0	0	3,794,141
	Total	5,796,988	1,423,292	1,160,912	6,059,368
	Contingency - 16%	927,518	227,727		1,155,245
	Total Putnam Common	6,724,506	1,651,018	1,160,912	7,214,613
	Unusable M&S Inventory	1,031,901		103,190	928,711
		7,756,407	1,651,018	1,264,102	8,143,324
Putnam Units 1 & 2					
341	Structures and Improvements	420,647	379,328	66,682	733,294
342	Fuel Holders	0	0	0	0
343	Prime Movers	690,538	34,495	484,319	240,714
344	Generator Units	680,644	225,570	1,009,288	(103,074)
345	Accessory Electrical Equipment	0	0	0	0
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	1,791,829	639,393	1,560,288	870,934
	Contingency - 16%	286,693	102,303		388,996
	Total Putnam Units 1 & 2	2,078,522	741,696	1,560,288	1,259,930
	Total Dismantlement Costs	9,834,929	2,392,714	2,824,390	9,403,253

PUTNAM
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Putnam Common	4,034,704	3,721,704	1,651,018	1,264,102	8,143,324
Putnam Units 1 & 2	1,247,113	831,409	741,696	1,560,288	1,259,930
Total	5,281,817	4,553,112	2,392,714	2,824,390	9,403,253

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

PUTNAM DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

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

FPL will provide site security during the dismantlement.

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

The land will be made available for future use.

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

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

The following items will be removed:

- a. All structures, equipment, and concrete pads, pedestals, foundations, etc;
- b. All underground gas, oil, sewer and water piping and electrical conduits;
- c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

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

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

The estimate does not reflect land value or its resale.

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

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

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

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

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

PUTNAM DISMANTLEMENT ASSUMPTIONS (continued)

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

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

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

<u>Unit</u>	<u>Economic Recovery Date</u>
Common	2020
Unit 1	2020
Unit 2	2020

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

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

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

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

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

PUTNAM DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

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

REMOVAL COST FACTORS

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

Labor Rate

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

Labor	\$36.43	X	6	=	\$218.59
Foreman	\$46.38	X	1	=	\$46.38
Heavy Equipment Operator	\$44.43	X	1	=	\$44.43
Total Cost per hour of 8 man crew					<u>\$309.39</u>
Cost per man hour			\$309.39 / 8	=	<u>\$38.67</u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					24,940.03
Front End Loader					2,912.53
Cutting Equipment					231.75
Total per month					<u>\$28,084.30</u>
	28,084.30	/	176	hours per month =	159.57
Cost per man hour			\$159.57 / 8	=	\$19.95
Plus: amount for small tools					1.00
Total Cost per man hour					<u>\$20.95</u>

PUTNAM DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$38.67
Equipment	20.95
Total	<u>\$59.62</u>
 Rounded	 <u>\$60.00</u>
 For Concrete demolition add \$5.00 per hour additional equipment charge.	 <u>\$65.00</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)	\$60.00	2.50 MH / Ton	\$150.00 / Ton
Heavy Steel (2)	\$60.00	3.30 MH / Ton	\$198.00 / Ton
General Steel	\$60.00	4.40 MH / Ton	\$264.00 / Ton
Light Steel	\$60.00	7.10 MH / Ton	\$426.00 / Ton
Concrete	\$65.00	0.48 MH / CY	\$31.20 / CY
Reinforced Concrete	\$65.00	1.20 MH / CY	\$78.00 / CY
Copper-Elect. Cable & Generator Leads &	\$60.00	12.00 MH / Ton	\$720.00 / Ton
Copper - Generator	\$60.00	9.80 MH / Ton	\$588.00 / Ton
Copper - Transformer	\$60.00	7.40 MH / Ton	\$444.00 / Ton
General Insulation	\$60.00	1.00 MH / CY	\$60.00 / CY
Inground Pipe-Metal(3)	\$60.00	6.00 MH / Ton	\$360.00 / Ton
Concrete Pipe	\$65.00	4.60 MH / Ton	\$299.00 / 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 Putnam County Landfill located at 140 County Landfill Road in Palatka, Florida. Concrete and calcium silicated insulation are all non-hazardous wastes. The tipping fee of \$42/ton was obtained from the Putnam County Landfill and dumpster charge of \$160/ haul (including driver) for both size dumpsters was obtained from Waste Pro Inc.

PUTNAM 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 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 Charge	\$160.00 /haul	X	1 haul	=	\$160.00
Tipping Fees	\$42.00 / ton	X	30.5 tons	=	1,281.00
Total Cost per round Trip					<u>\$1,441.00</u>

Cost per Cubic Yard	\$1,441.00 / 15.38 cubic yards =	\$93.69
Plus 10% contractor profit		<u>9.37</u>
Total Cost per Cubic Yard		<u><u>\$103.06</u></u>

Rounded Cost per Cubic Yard	<u><u>\$103.00</u></u>
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Insulation - Calcium Silicate (Non-Hazardous)

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

Dumpster Charge	\$160.00 /haul	X	1 haul	=	160.00
Tipping Fees	\$42.00 / ton	X	1.82 tons	=	76.44
Total Cost per round Trip					<u>236.44</u>

Cost per Cubic Yard	\$236.44 / 27 cubic yards =	\$8.76
Plus 10% contractor profit		<u>0.88</u>
Total Cost per Cubic Yard		<u><u>\$9.63</u></u>

Rounded Cost per Cubic Yard	<u><u>\$10.00</u></u>
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PUTNAM DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

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

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

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of \$19,202 per month, both office and site, and contractor's expenses of \$23,885 per month for site indirect costs.. These expenses are to be incurred over the 12 month dismantlement period for the Putnam Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management, supervision, security, etc..

Site Management Expenses per month	\$43,087
Number of months	12.00
Total Site Management Expenses	<u>\$517,046</u>

PUTNAM DISMANTLEMENT STUDY

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. Construction Estimating has updated the costs. The charge for the Intake is \$39,120; the cost for the discharge is \$31,131. Putnam has 1 Intake and no Discharge:

	<u>Cost/Struct</u>	<u>Quantity</u>	<u>Totals</u>
Intake	\$39,120	1	\$39,120
Discharge	\$31,131	0	\$0
			<u>\$39,120</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 \$56,186 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Putnam Acreage to be graded and seeded	36.10
Cost Factor	<u>\$56,186</u>
Total Grading and Seeding Expense	<u><u>\$2,028,326</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 Putnam, the following cost estimates have been identified:

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

PUTNAM DISMANTLEMENT STUDY

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
PUTNAM COMMON										
FERC Account 341										
<u>Structures & Improvements</u>										
Concrete Pavement	CY	1	4,475.00	4,475.00	31.20	139,620	103.00	460,925	0.00	0
Fire Water Piping	TN	1	92.00	92.00	264.00	24,288	0.00	0	120.00	11,040
Fire Water Tank (100,000 gl)	TN	1	32.43	32.43	264.00	8,562	0.00	0	120.00	3,892
Fire Water Pumps	TN	1	2.00	2.00	264.00	528	0.00	0	120.00	240
Highway Crossing	CY	1	1,774.00	1,774.00	78.00	138,372	103.00	182,722	0.00	0
Barge Unloading Facility - Concrete	CY	1	725.00	725.00	78.00	56,550	103.00	74,675	0.00	0
Barge Unloading Facility - Steel	TN	1	12.70	12.70	198.00	2,515	0.00	0	120.00	1,524
HVAC Ventilating Fan	TN	1	1.00	1.00	264.00	264	0.00	0	120.00	120
Concrete Enclosure	CY	1	50.00	50.00	31.20	1,560	103.00	5,150	0.00	0
Subtotal						372,258		723,472		16,816
<u>Circulating and Service Water System</u>										
Water Pre-treatment Equipment Foundation	CY	1	17.30	17.30	78.00	1,349	103.00	1,782	0.00	0
Water Pre-treatment Equipment	TN	1	20.00	20.00	264.00	5,280	0.00	0	120.00	2,400
Water Storage Tank	TN	1	32.43	32.43	264.00	8,562	0.00	0	120.00	3,892
Intake Structure - Concrete	CY	1	310.00	310.00	78.00	24,180	103.00	31,930	0.00	0
Traveling Water Screens	TN	1	14.00	14.00	264.00	3,696	0.00	0	120.00	1,680
Screen Wash Pumps	TN	2	2.00	4.00	264.00	1,056	0.00	0	120.00	480
Station Bridge Crane	TN	1	75.00	75.00	198.00	14,850	0.00	0	120.00	9,000
Station Bridge Crane - Structural Steel	TN	1	227.00	227.00	198.00	44,946	0.00	0	120.00	27,240
Cooling Tower	CY	1	1,746.84	1,746.84	78.00	136,254	103.00	179,925	0.00	0
Structural Steel	TN	1	12.00	12.00	198.00	2,376	0.00	0	120.00	1,440
Chlorination System	TN	2	6.00	12.00	264.00	3,168	0.00	0	120.00	1,440
Potable Water Piping	TN	1	17.86	17.86	264.00	4,715	0.00	0	120.00	2,143
Potable Water Equipment	TN	1	9.25	9.25	264.00	2,442	0.00	0	120.00	1,110
Deminerlizer Pumps	TN	4	1.00	4.00	264.00	1,056	0.00	0	120.00	480
Waste Water Piping	TN	1	120.87	120.87	264.00	31,910	0.00	0	120.00	14,504
Waste Water Piping Supports	TN	1	9.70	9.70	264.00	2,561	0.00	0	120.00	1,164
Waste Water Foundations	CY	1	255.00	255.00	78.00	19,890	103.00	26,265	0.00	0
Waste Water Pumps	TN	20	0.25	5.00	264.00	1,320	0.00	0	120.00	600
Oily Water Separator Tanks (2,500 gl & 125,000)	TN	1	43.43	43.43	264.00	11,466	0.00	0	120.00	5,212
Subtotal						321,075		239,901		72,785
<u>Fuel Oil Processing</u>										
Concrete Foundations	CY	1	49.80	49.80	78.00	3,884	103.00	5,129	0.00	0
Steel Supports	TN	1	128.90	128.90	264.00	34,030	0.00	0	120.00	15,468
Subtotal						37,914		5,129		15,468
Total Account 341						731,248		968,503		105,068
FERC Account 342										
<u>Fuel Holders</u>										
<u>Fuel Oil Equipment</u>										
Blowdown and Waste Water Tanks - 125,000	TN	3	421.48	1,264.44	n/a	96,120	n/a	0	120.00	151,733
SE Fuel Oil Tank - 125,000 bbl	TN	1	104.00	104.00	n/a	32,040	n/a	0	120.00	12,480
Fuel Oil Storage Tank - 25,000 bbl	TN	1	103.77	103.77	n/a	32,040	n/a	0	120.00	12,452

PUTNAM DISMANTLEMENT STUDY

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
Fuel Oil Storage Tank - 100,000 bbl	TN	1	337.18	337.18	n/a	0	n/a	0	120.00	40,462
Cleaning Fuel Oil Storage Tanks					n/a	0	n/a	188,561	0.00	0
Remove Sand Base - Fuel Oil Storage Tanks					n/a	0	n/a	132,620	0.00	0
Concrete	CY	1	519.90	519.90	78.00	40,552	103.00	53,550	0.00	0
Jib Crane	TN	1	3.00	3.00	198.00	594	0.00	0	120.00	360
Fuel Oil Piping	TN	1	148.90	148.90	264.00	39,310	0.00	0	120.00	17,868
Insulation for Fuel Oil Piping (15,447 lf)	CY	1	411.92	411.92	60.00	24,715	10.00	4,119	0.00	0
Fuel Oil Pump	TN	1	1.25	1.25	264.00	330	0.00	0	120.00	150
Fuel Transfer Pumps	TN	2	1.25	2.50	264.00	660	0.00	0	120.00	300
Fuel Treatment Equipment	TN	1	137.50	137.50	264.00	36,300	0.00	0	120.00	16,500
Fire Foam Protection System Piping	TN	1	31.77	31.77	264.00	8,387	0.00	0	120.00	3,812
Pipe Supports	TN	1	27.70	27.70	264.00	7,313	0.00	0	120.00	3,324
Heat Exchangers	TN	4	0.77	3.08	264.00	813	0.00	0	120.00	370
Vanadium Tank (90,000 gl)	TN	1	29.10	29.10	264.00	7,682	0.00	0	120.00	3,492
Subtotal						326,857		378,850		263,303
Boiler Equipment										
Auxiliary Steam Boiler Equipment	TN	1	80.00	80.00	198.00	15,840	0.00	0	120.00	9,600
Subtotal						15,840		0		9,600
Miscellaneous Steel & Equipment	TN	1	138.90	138.90	426.00	59,171	0.00	0	120.00	16,668
Total Account 342						401,868		378,850		289,571
FERC Account 343										
Prime Movers										
Cooling Water Pumps	TN	2	2.00	4.00	264.00	1,056	0.00	0	120.00	480
Feedwater Treatment Equipment Foundation	CY	1	112.00	112.00	78.00	8,736	103.00	11,536	0.00	0
Brine System	TN	1	2.00	2.00	264.00	528	0.00	0	120.00	240
Chemical Feed System	TN	1	5.00	5.00	264.00	1,320	0.00	0	120.00	600
Raw Water Pumps	TN	3	4.00	12.00	264.00	3,168	0.00	0	120.00	1,440
Piping	TN	1	331.38	331.38	264.00	87,484	0.00	0	120.00	39,766
Pipe Supports	TN	1	20.50	20.50	264.00	5,412	0.00	0	120.00	2,460
Pipe Insulation (6,088 lf)	CY	1	103.72	103.72	60.00	6,223	10.00	1,037	0.00	0
Fan Blower	TN	1	1.00	1.00	264.00	264	0.00	0	120.00	120
Subtotal						114,192		12,573		45,106
Miscellaneous Steel & Equipment	TN	1	18.74	18.74	426.00	7,983	0.00	0	120.00	2,249
Total Account 343						122,175		12,573		47,354
FERC Account 345										
Accessory Electrical Equipment										
Foundations & Structures										
Manholes	CY	1	272.20	272.20	78.00	21,232	103.00	28,037	0.00	0
Steel Structures & Supports	TN	1	36.90	36.90	198.00	7,306	0.00	0	120.00	4,428
Equipment Foundations - Concrete	CY	1	240.00	240.00	78.00	18,720	103.00	24,720	0.00	0
Subtotal						47,258		52,757		4,428

PUTNAM DISMANTLEMENT STUDY

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
Power and Conversion Equipment										
Main Power Transformer	TN	4	116.50	932.00	426.00	397,032	0.00	0	120.00	111,840
Auxiliary Power Transformer	TN	2	19.00	76.00	426.00	32,376	0.00	0	120.00	9,120
Heat Recovery Steam Generator Transforme	TN	4	4.00	32.00	426.00	13,632	0.00	0	120.00	3,840
Motor Control Center Transformers	TN	16	2.00	64.00	426.00	27,264	0.00	0	120.00	7,680
Transformer Copper	TN	10	2.00	41.60	444.00	18,470	0.00	0	5,000.00	208,000
Storage Battery Systems	TN	3	3.75	11.25	426.00	4,793	0.00	0	120.00	1,350
Emergency Diesel Generator	TN	1	8.00	8.00	426.00	3,408	0.00	0	120.00	960
Subtotal						496,975		0		342,790
Conduit, Insulators and Conductors										
Underground Conduit	TN	1	15.40	15.40	426.00	6,560	0.00	0	120.00	1,848
Concrete	CY	1	103.00	103.00	78.00	8,034	103.00	10,609	0.00	0
Control Wiring	TN	1	110.41	110.41	720.00	79,495	0.00	0	2,100.00	231,861
Power Wiring	TN	1	45.75	45.75	720.00	32,940	0.00	0	2,100.00	96,075
Exposed Conduit	TN	1	38.10	38.10	426.00	16,231	0.00	0	120.00	4,572
Cable Trays	TN	1	18.17	18.17	426.00	7,740	0.00	0	120.00	2,180
Lighting Cable	TN	1	2.96	2.96	720.00	2,131	0.00	0	2,100.00	6,216
Miscellaneous Cable	TN	1	7.00	7.00	720.00	5,040	0.00	0	2,100.00	14,700
Subtotal						158,172		10,609		357,452
Switching, Control and Protection Equipment										
Switchgear - 4,160v Metalclad	TN	1	40.00	40.00	426.00	17,040	0.00	0	120.00	4,800
Disconnect Switches	TN	11	2.35	25.85	426.00	11,012	0.00	0	120.00	3,102
Lightning and Surge Protection	TN	6	0.25	1.50	426.00	639	0.00	0	120.00	180
Station Grounding System	TN	1	10.68	10.68	426.00	4,550	0.00	0	120.00	1,282
Potential Transformers	TN	12	0.60	7.20	426.00	3,067	0.00	0	120.00	864
Subtotal						36,308		0		10,228
Total Account 345						738,713		63,366		714,898
FERC Account 346										
Miscellaneous Power Plant Equipment										
Compressed Air System	TN	1	33.50	33.50	264.00	8,844	0.00	0	120.00	4,020
Total Account 346						8,844		0		4,020
TOTAL PUTNAM COMMON						2,002,847		1,423,292		1,160,912
PUTNAM UNITS 1 & 2										
FERC Account 341										
Other Buildings										
Concrete	CY	1	442.80	442.80	78.00	34,538	103.00	45,608	0.00	0
Structural Steel	TN	1	6.10	6.10	198.00	1,208	0.00	0	120.00	732
Steam Turbine Enclosure	TN	1	33.00	66.00	264.00	17,424	0.00	0	120.00	7,920
Steam Turbine Enclosure - Mechanical Skid	TN	1	13.17	26.34	198.00	5,215	0.00	0	120.00	3,161
Steam Turbine Enclosure - General Auxillary	TN	1	11.54	23.08	198.00	4,570	0.00	0	120.00	2,770
Gas Turbine Enclosure	TN	2	39.00	158.00	264.00	41,184	0.00	0	120.00	18,720
Gas Turbine Enclosure - Mechanical Skid	TN	2	11.03	44.12	198.00	8,736	0.00	0	120.00	5,294
Gas Turbine Enclosure - General Auxillary Sk	TN	2	11.54	46.16	198.00	9,140	0.00	0	120.00	5,539

PUTNAM DISMANTLEMENT STUDY

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
Heat Recovery Steam Generator Enclosure	TN	2	33.00	132.00	264.00	34,848	0.00	0	120.00	15,840
HRSR Enclosure - Auxiliary Skid	TN	2	13.97	55.88	198.00	11,064	0.00	0	120.00	6,706
Enclosure Foundations	CY	1	3,240.00	3,240.00	78.00	252,720	103.00	333,720	0.00	0
Subtotal						420,647		379,328		66,682
Total Account 341						420,647		379,328		66,682
FERC Account 343										
Prime Movers										
Gas Turbine	TN	2	131.00	524.00	150.00	78,600	0.00	0	120.00	62,880
Gas Turbine - Starting Package	TN	2	16.00	64.00	198.00	12,672	0.00	0	120.00	7,680
Heat Recovery Steam Generator	TN	2	735.00	2,940.00	150.00	441,000	0.00	0	120.00	352,800
Heat Recovery Steam Generator - Aux. Pack	TN	2	40.25	161.00	198.00	31,878	0.00	0	120.00	19,320
High Pressure Steam Drum	TN	2	24.00	96.00	198.00	19,008	0.00	0	120.00	11,520
Boiler Blowdown Tank	TN	2	1.10	4.40	264.00	1,162	0.00	0	120.00	528
Boiler Feed Pumps (including motors)	TN	2	7.53	30.12	264.00	7,952	0.00	0	120.00	3,614
Concrete	CY	1	100.90	100.90	78.00	7,870	103.00	10,393	0.00	0
Condensate Storage Tank - 150,000 gal	TN	1	41.25	82.50	264.00	21,780	0.00	0	120.00	9,900
Condensate Storage Tank Foundation	CY	1	105.00	210.00	78.00	16,380	103.00	21,630	0.00	0
Condensate Pumps and Motors	TN	2	3.49	13.96	264.00	3,685	0.00	0	120.00	1,675
Condensate Pump Foundations	CY	2	6.00	24.00	78.00	1,872	103.00	2,472	0.00	0
Stacks	TN	4	3.43	27.44	264.00	7,244	0.00	0	120.00	3,293
Subtotal						651,103		34,495		473,210
Miscellaneous Steel & Equipment	TN	1	92.57	92.57	426.00	39,435	0.00	0	120.00	11,108
Total Account 343						690,538		34,495		484,319
FERC Account 344										
Generator Units										
Steam Turbine Generator Unit	TN	2	302.00	604.00	150.00	90,600	0.00	0	120.00	72,480
Steam Turbine Generator Unit - Mech. Aux. F	TN	2	45.25	90.50	198.00	17,919	0.00	0	120.00	10,860
Reinforced Concrete Pedestal	CY	2	990.00	1,980.00	78.00	154,440	103.00	203,940	0.00	0
Turbine Copper	TN	2	35.00	70.00	588.00	41,160	0.00	0	5,000.00	350,000
Gas Turbine Generator	TN	2	155.50	622.00	150.00	93,300	0.00	0	120.00	74,640
Gas Turbine Generator - Mech. Aux. Package	TN	2	50.07	200.28	198.00	39,655	0.00	0	120.00	24,034
Heat Exchangers	TN	2	6.00	24.00	264.00	6,336	0.00	0	120.00	2,880
Stack	TN	4	9.80	78.40	264.00	20,698	0.00	0	120.00	9,408
Piping	TN	1	8.42	8.42	264.00	2,223	0.00	0	120.00	1,010
Pipe Racks and Supports	TN	1	72.30	72.30	264.00	19,087	0.00	0	120.00	8,676
Subtotal						485,418		203,940		553,988
Condensers and Auxiliaries										
Condenser Enclosure	TN	1	26.78	53.56	264.00	14,140	0.00	0	120.00	6,427
Main Condenser	TN	1	122.73	245.46	198.00	48,601	0.00	0	120.00	29,455
Condenser Pad	CY	2	105.00	210.00	78.00	16,380	103.00	21,630	0.00	0
Condenser - Aluminum-Brass Tubes	TN	1	71.27	142.54	426.00	60,722	0.00	0	2,800.00	399,112
Auxiliary Circulating Water Pumps	TN	3	3.36	10.08	264.00	2,661	0.00	0	120.00	1,210
Circulating Water Pumps	TN	2	14.45	57.80	264.00	15,259	0.00	0	120.00	6,936
Condensate Pumps	TN	1	3.13	6.26	264.00	1,653	0.00	0	120.00	751
Piping (4,157 lf)	TN	1	21.57	21.57	264.00	5,694	0.00	0	120.00	2,588

PUTNAM DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo- nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Air Ejectors	TN	2	1.23	4.92	264.00	1,299	0.00	0	120.00	590
Hogging and Priming Ejectors	TN	1	1.23	2.46	264.00	649	0.00	0	120.00	295
Subtotal						167,059		21,630		447,365
Miscellaneous Steel & Equipment	TN	1	66.12	66.12	426.00	28,167	0.00	0	120.00	7,934
Total Account 344						680,644		225,570		1,009,288
TOTAL PUTNAM UNITS 1 & 2						1,791,829		639,393		1,560,288
TOTAL PUTNAM COMMON, UNITS 1 & 2						3,794,676		2,062,685		2,721,200

Riviera Plant

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Riviera Plant

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

<u>Unit</u>	<u>Year</u>
Unit 3	2020
Unit 4	2020
Common	2020

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

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

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Riviera plant in Docket No. 030558-EI, Order No. PSC-04-0086-PAA-EI, issued on January 27, 2004. The current accruals became effective as of January 1, 2003.

RIVIERA
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
<u>Production Plant</u>					
<u>Riviera Common</u>					
311	Structures and Improvements	831,356	2,231,050	318,514	2,743,893
312	Boiler Plant Equipment	6,408	12,808	1,474	17,742
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	13,201	0	74,500	(61,299)
316	Miscellaneous Equipment	1,396	0	732	664
	Subtotal	852,361	2,243,858	395,219	2,701,000
<u>Other Site Costs:</u>					
	Site Management Expense	517,046			517,046
	Stacks Disposal & Special Waste	439,700			439,700
	Intake & Discharge Backfill	109,371			109,371
	Grading & Seeding	1,370,946			1,370,946
	Subtotal	2,437,063	0	0	2,437,063
	Total	3,289,423	2,243,858	395,219	5,138,062
	Contingency - 16%	526,308	359,017		885,325
	Total Riviera Common	3,815,731	2,602,876	395,219	6,023,388
	Unusable M&S Inventory	1,361,624		136,162	1,225,462
		5,177,355	2,602,876	531,381	7,248,850
<u>Riviera Units 3 & 4</u>					
311	Structures and Improvements	1,690,514	1,629,326	91,807	3,228,032
312	Boiler Plant Equipment	3,128,486	438,811	1,391,850	2,175,447
314	Turbogenerator Units	1,388,253	410,613	1,962,752	(163,885)
315	Accessory Electrical Equipment	281,228	134,371	776,753	(361,155)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	6,488,480	2,613,120	4,223,162	4,878,439
	Contingency - 16%	1,038,157	418,099		1,456,256
	Total Riviera Units 3 & 4	7,526,637	3,031,220	4,223,162	6,334,695
	Total Dismantlement Costs	12,703,992	5,634,095	4,754,543	13,583,544

RIVIERA
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Riviera Common	2,289,439	2,887,916	2,602,876	531,381	7,248,850
Riviera Units 3 & 4	4,515,982	3,010,655	3,031,220	4,223,162	6,334,695
Total	6,805,421	5,898,571	5,634,095	4,754,543	13,583,544

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

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

RIVIERA DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

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

FPL will provide site security during the dismantlement.

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

The land will be made available for future use.

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

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

The following items will be removed:

- a. All structures, equipment, and concrete pads, pedestals, foundations, etc;
- b. All underground gas, oil, sewer and water piping and electrical conduits;
- c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

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

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

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

The estimate does not reflect land value or its resale.

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

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

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

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

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

RIVIERA DISMANTLEMENT ASSUMPTIONS (continued)

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

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

It is assumed that dismantlement activity at Riviera 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 3	2020
Unit 4	2020
Common	2020

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

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

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

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

(Continued)

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

RIVIERA DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

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

REMOVAL COST FACTORS

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

Labor Rate

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

Labor	\$31.24	X	6	=	\$187.43
Foreman	\$39.77	X	1	=	39.77
Heavy Equipment Operator	\$38.09	X	1	=	38.09
Total Cost per hour of 8 man crew					<u>\$265.30</u>
Cost per man hour			\$265.30 / 8 =		<u>\$33.16</u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					22,749.18
Front End Loader					2,656.68
Cutting Equipment					<u>231.75</u>
Total per month					<u>\$25,637.60</u>
	25,637.60	/	176	hours per month =	145.67
Cost per man hour			\$145.67 / 8 =		\$18.21
Plus; amount for small tools					<u>1.07</u>
Total Cost per man hour					<u>\$19.27</u>

RIVIERA DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$33.16
Equipment	19.27
Total	<u>\$52.44</u>
Rounded	<u>\$52.00</u>
For Concrete demolition add \$5.00 per hour additional equipment charge.	<u>\$57.00</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)	\$52.00	2.50 MH / Ton	\$130.00 / Ton
Heavy Steel (2)	\$52.00	3.30 MH / Ton	\$171.60 / Ton
General Steel	\$52.00	4.40 MH / Ton	\$228.80 / Ton
Light Steel	\$52.00	7.10 MH / Ton	\$369.20 / Ton
Concrete	\$57.00	0.48 MH / CY	\$27.36 / CY
Reinforced Concrete	\$57.00	1.20 MH / CY	\$68.40 / CY
Copper-Elect. Cable & Generator Leads &	\$52.00	12.00 MH / Ton	\$624.00 / Ton
Copper - Generator	\$52.00	9.80 MH / Ton	\$509.60 / Ton
Copper - Transformer	\$52.00	7.40 MH / Ton	\$384.80 / Ton
General Insulation	\$52.00	1.00 MH / CY	\$52.00 / CY
Inground Pipe-Metal(3)	\$52.00	6.00 MH / Ton	\$312.00 / Ton
Concrete Pipe	\$57.00	4.60 MH / Ton	\$262.20 / 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 Palm Beach County Landfill located at 6554 North Jog Road in West Palm Beach, Florida. Concrete and calcium silicated insulation are all non-hazardous wastes. The tipping fee of \$45/ton was obtained from the Palm Beach County Landfill. The dumpster charges, obtained from Atlantic Roll-Off Services, are \$325 per haul for 20 cubic yard dumpster.

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

RIVIERA DISMANTLEMENT STUDY

Concrete

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

Dumpster Charge		\$325.00 /haul	X	1 haul	=	325.00
Tipping Fees	1	\$45.00 / ton	X	30.5 tons	=	1,372.50
Total Cost per round Trip						<u>1,697.50</u>

Cost per Cubic Yard		\$1,697.50 / 15.38 cubic yards =				\$110.37
Plus 10% contractor profit						11.04
Total Cost per Cubic Yard						<u>\$121.41</u>

Rounded Cost per Cubic Yard						<u>\$121.00</u>
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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 20 cubic yards - the full volume of the dumpster). A cubic yard of insulation weighs 121.5 pounds or .060750 tons. 20 cubic yards times .060750 tons/cubic yard = 1.215 tons.

Calcium Silicate Insulation

Dumpster Charge		\$325.00 /haul	X	1 haul	=	\$325.00
Tipping Fees		\$45.00 / ton	X	1.215 tons	=	54.68
Total Cost per round Trip						<u>\$379.68</u>

Cost per Cubic Yard		\$379.68 / 18 cubic yards =				\$21.09
Plus 10% contractor profit						2.11
Total Cost per Cubic Yard						<u>\$23.20</u>

Rounded Cost per Cubic Yard						<u>\$23.00</u>
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RIVIERA DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

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

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

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of \$19,202 per month, both office and site, and contractor's expenses of \$23,885 per month for site indirect costs.. These expenses are to be incurred over the 18 month dismantlement period for the Sanford Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management, supervision, security, etc..

Site Management Expenses per month	\$43,087
Number of months	12.00
Total Site Management Expenses	<u>\$517,046</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 \$39,120; the cost for the discharge is \$31,131. Riviera has 2 Intakes and 1 Discharge:

	<u>Cost/Unit</u>	<u>Quantity</u>	
Intakes	\$39,120	2	\$78,240
Discharges:	\$31,131	1	\$31,131
Total Cost:			<u>\$109,371</u>

RIVIERA 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 \$56,186 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Riviera Acreage to be graded and seeded	24.4
Cost Factor	\$56,186
Total Grading and Seeding Expense	<u>\$1,370,946</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 Riviera, the following cost estimates have been identified:

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

RIVIERA DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
RIVIERA COMMON										
FERC Account 311										
<u>Improvements to Site</u>										
Concrete - Roads	CY	1	1,030.58	1,030.58	27.36	28,197	121.00	124,700	0.00	0
Concrete - Yard Paving	CY	1	494.67	494.67	27.36	13,534	121.00	59,855	0.00	0
Potable & Sanit Water Lines-Cast Iron	TN	1	18.93	18.93	312.00	5,906	0.00	0	120.00	2,272
Fire Protection System	TN	1	2.88	2.88	369.20	1,063	0.00	0	120.00	346
Sewer System - Cast Iron	TN	1	1.69	1.69	312.00	527	0.00	0	120.00	203
Sewer System - Concrete	TN	1	191.72	191.72	262.20	50,269	0.00	0	0.00	0
Manholes & Catch Basins	CY	1	38.31	38.31	68.40	2,620	121.00	4,636	0.00	0
Subtotal						102,117		189,191		2,820
<u>Condensing and Service Water System</u>										
Water Treatment Equipment	TN	1	45.00	45.00	228.80	10,296	0.00	0	120.00	5,400
Water Treatment Area Slab	CY	1	271.00	271.00	68.40	18,536	121.00	32,791	0.00	0
Elevated Water Tank - 75,000 gal	TN	1	128.61	128.61	228.80	29,426	0.00	0	120.00	15,433
Service Water Supply Sys - Cast Iron	TN	1	85.08	85.08	312.00	26,545	0.00	0	120.00	10,210
Disch Piping-90" Concrete Pipe(200 ft)	TN	1	274.00	274.00	262.20	71,843	0.00	0	0.00	0
Subtotal						156,646		32,791		31,043
<u>Station Structures</u>										
Administration Bldg - Struct Steel	TN	1	380.00	380.00	171.60	65,208	0.00	0	120.00	45,600
Administration Building - Concrete	CY	1	3,676.00	3,676.00	68.40	251,438	121.00	444,796	0.00	0
Station Crane	TN	1	96.75	96.75	171.60	16,602	0.00	0	120.00	11,810
Elevator	TN	1	37.60	37.60	171.60	6,452	0.00	0	120.00	4,512
Subtotal						339,701		444,796		61,722
<u>Fuel & Ash Structures</u>										
Fuel Oil Storage Tank - 268,000 bbl	TN	1	925.00	925.00	n/a	48,060	0.00	0	120.00	111,000
Fuel Oil Storage Tank - 130,000 bbl	TN	1	424.89	424.89	n/a	32,040	0.00	0	120.00	50,987
Fuel Oil Storage Tank - 55,000 bbl	TN	2	230.00	460.00	n/a	64,080	0.00	0	120.00	55,200
Fuel Oil Storage Tank - 110,000 bbl-Fnd.	CY	1	400.00	400.00	n/a	n/a	n/a	94,090	0.00	0
Cleaning Fuel Oil Storage Tanks	BL	1			n/a	n/a	n/a	1,090,000	0.00	0
Sand Base-Fuel Oil Storage Tanks	CY	1			n/a	n/a	n/a	239,278	0.00	0
Pump Slab & Foundations	CY	1	165.50	165.50	68.40	11,320	121.00	20,026	0.00	0
Fuel Oil Suction Heaters	TN	3	2.35	7.05	228.80	1,613	0.00	0	120.00	846
Chemical Storage Tanks	TN	1	7.80	7.80	228.80	1,785	0.00	0	120.00	936
Subtotal						158,898		1,443,394		218,969
<u>Other Buildings</u>										
Concrete	CY	1	999.00	999.00	68.40	68,332	121.00	120,879	0.00	0
Structural Steel	TN	1	33.00	33.00	171.60	5,663	0.00	0	120.00	3,960
Subtotal						73,994		120,879		3,960
Total Account 311						831,356		2,231,050		318,514

RIVIERA DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Metering Tank Foundation	CY	1	95.00	95.00	n/a	n/a	n/a	0	0.00	0
Fuel Oil Metering Tank - 5,000 bbl	TN	1	28.00	28.00	n/a	0	n/a	0	0.00	0
Cleaning Fuel Oil Storage Tanks	EA	1	1.00	1.00	n/a	n/a	n/a	0	0.00	0
Sand Base-Fuel Oil Storage Tanks	EA	1	1.00	1.00	n/a	n/a	n/a	0	0.00	0
Light Oil Tank	TN	1	12.28	12.28	n/a	6,408	n/a	0	120.00	1,474
Light Oil Foundation	CY	1	95.00	95.00	n/a	0	n/a	7,066	0.00	0
Cleaning of Light Oil Tank	BL	1	1.00	1.00	n/a	0	n/a	5,742	0.00	0
Total Account 312						6,408		12,808		1,474
FERC Account 315										
Accessory Electrical Equipment										
Power and Conversion Equipment										
Startup Transformer	TN	1	37.25	37.25	171.60	6,392	0.00	0	0.00	0
Transformer Copper	TN	1	14.90	14.90	384.80	5,734	0.00	0	5,000.00	74,500
Storage Battery Equipment	TN	1	4.70	4.70	228.80	1,075	0.00	0	0.00	0
Total Account 315						13,201		0		74,500
FERC Account 316										
Miscellaneous Power Plant Equipment										
Compressed Air System	TN	1	6.10	6.10	228.80	1,396	0.00	0	120.00	732
Total Account 316						1,396		0		732
TOTAL RIVIERA COMMON						852,361		2,243,858		395,219
RIVIERA UNITS 3 & 4										
FERC Account 311										
Condensing and Service Water System										
Intake Cooling Water Pumps	TN	2	1.15	4.60	228.80	1,052	0.00	0	120.00	552
Intake Structure - Concrete	CY	1	918.00	1,836.00	68.40	125,582	121.00	222,156	0.00	0
Intake Structure - Steel	TN	1	18.00	36.00	171.60	6,178	0.00	0	120.00	4,320
Traveling Water Screens	TN	2	13.28	53.12	171.60	9,115	0.00	0	120.00	6,374
Trash Rake	TN	1	0.55	1.10	369.20	406	0.00	0	120.00	132
Screen Wash Pumps	TN	1	0.52	1.04	369.20	384	0.00	0	120.00	125
Intake Conduit - 60" Concrete Pipe	CY	1	394.33	788.66	262.20	206,787	0.00	0	0.00	0
Concrete	CY	1	801.00	1,602.00	68.40	109,577	121.00	193,842	0.00	0
Discharge Conduit - 90" Concrete Pipe	CY	1	1,170.66	2,341.32	262.20	613,894	0.00	0	0.00	0
Concrete	CY	1	1,494.00	2,988.00	68.40	204,379	121.00	361,548	0.00	0
Seal Well Concrete Structure	CY	1	210.00	420.00	68.40	28,728	121.00	50,820	0.00	0
Subtotal						1,306,083		828,366		11,503
Station Structures										
Concrete Pedestal Mat	CY	1	703.50	1,407.00	68.40	96,239	121.00	170,247	0.00	0
Structural Steel	TN	1	289.00	578.00	171.60	99,185	0.00	0	120.00	69,360
Miscellaneous Steel & Handrails	TN	1	39.50	79.00	228.80	18,075	0.00	0	120.00	9,480
Floors - Concrete	CY	1	1,175.25	2,350.50	27.36	64,310	121.00	284,411	0.00	0
Footings, Piers & Grade Beams	CY	1	1,120.00	2,240.00	27.36	61,286	121.00	271,040	0.00	0

RIVIERA DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Concrete Floodwall	CY	1	311.00	622.00	68.40	42,545	121.00	75,262	0.00	0
Misc. Cranes & Hoists	TN	1	6.10	12.20	228.80	2,791	0.00	0	120.00	1,464
Subtotal						384,431		800,960		80,304
Total Account 311						1,690,514		1,629,326		91,807
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Burner Pumps	TN	6	0.83	9.96	369.20	3,677	0.00	0	120.00	1,195
Fuel Oil Piping	TN	1	20.56	41.12	228.80	9,408	0.00	0	120.00	4,934
Forced Draft Fan Foundations	CY	1	138.75	277.50	68.40	18,981	121.00	33,578	0.00	0
Forced Draft Fans	TN	2	26.80	107.20	228.80	24,527	0.00	0	120.00	12,864
Forced Draft Fan Air Ducts	TN	1	40.00	80.00	228.80	18,304	0.00	0	120.00	9,600
Insulation for FD Fan Air Ducts	CY	1	8.00	16.00	52.00	832	23.00	368	0.00	0
Insulation for FD Fan Air Ducts	CY	1	48.27	36.54	52.00	1,900	23.00	840	0.00	0
Subtotal						77,630		34,786		28,594
Boiler Equipment										
Boiler Frame	TN	1	950.00	1,900.00	171.60	326,040	0.00	0	120.00	228,000
Platforms, Grating & Handrails	TN	1	410.50	821.00	228.80	187,845	0.00	0	120.00	98,520
Boiler - including: Drum, Waterwall, Downcomers & Tubes Piping, Valves & Silencers Radiant & Convection Superheaters Reheater, Economizer & Sootblowers Air Preheaters	TN	1	3,188.18	6,376.36	171.60	1,094,183	0.00	0	120.00	765,163
Boiler Insulation	CY	1	281.00	562.00	1,250.00	702,500	100.00	56,200	0.00	0
Boiler Insulation	CY	1	40.00	80.00	52.00	4,160	23.00	1,840	0.00	0
Instrument Air Compressors	TN	1	2.00	4.00	228.80	915	0.00	0	120.00	480
Subtotal						2,315,643		58,040		1,092,163
Boiler Plant Auxiliaries										
Feedwater Heater #1	TN	1	51.20	102.40	228.80	23,429	0.00	0	120.00	12,288
Feedwater Heater #2	TN	1	32.85	65.70	228.80	15,032	0.00	0	120.00	7,884
Feedwater Heater #3	TN	1	10.85	21.70	228.80	4,965	0.00	0	120.00	2,604
Feedwater Heater #4	TN	1	12.70	25.40	228.80	5,812	0.00	0	120.00	3,048
Feedwater Heater #5	TN	1	13.05	26.10	228.80	5,972	0.00	0	120.00	3,132
Feedwater Heater #6	TN	1	12.80	25.60	228.80	5,857	0.00	0	120.00	3,072
Deaerator	TN	1	73.78	147.56	171.60	25,321	0.00	0	120.00	17,707
Boiler Feed Pumps (including motors)	TN	3	36.50	219.00	171.60	37,580	0.00	0	120.00	26,280
Concrete	CY	1	84.50	169.00	27.36	4,624	121.00	20,449	0.00	0
Condensate Storage Tank - 100,000 gl	TN	1	18.50	37.00	171.60	6,349	0.00	0	120.00	4,440
Condensate Storage Tank Foundation	CY	1	44.00	88.00	68.40	6,019	121.00	10,648	0.00	0
Heater Drain Pump	TN	1	0.83	1.66	369.20	613	0.00	0	120.00	199
Condensate Recovery Tank - 2,600 gl	TN	1	5.60	11.20	228.80	2,563	0.00	0	120.00	1,344
Chemical Feed System	TN	1	5.00	10.00	228.80	2,288	0.00	0	120.00	1,200
Cooling Water Pump	TN	2	1.15	4.60	228.80	1,052	0.00	0	120.00	552
Cooling Water Heat Exchanger	TN	3	7.35	44.10	228.80	10,090	0.00	0	120.00	5,292
Cooling Water Surge Tank - 4,500 gl	TN	1	1.79	3.58	228.80	819	0.00	0	120.00	430
Subtotal						158,386		31,097		89,472

RIVIERA DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Boiler Plant Piping										
Piping, Valves and Fittings	TN	1	350.00	700.00	228.80	160,160	0.00	0	120.00	84,000
Pipe Insulation	CY	1	50.00	100.00	52.00	5,200	23.00	2,300	0.00	0
Pipe Insulation	CY	1	350.00	269.23	52.00	14,000	23.00	6,192	0.00	0
Subtotal						179,360		8,492		84,000
Induced Draft Equipment										
Stacks	CY	1	663.00	1,326.00	68.40	90,698	121.00	160,446	0.00	0
Breeching	TN	1	70.00	140.00	228.80	32,032	0.00	0	120.00	16,800
Stack Foundation	CY	1	573.50	1,147.00	68.40	78,455	121.00	138,787	0.00	0
Ducts & Dust Collectors	TN	1	135.65	271.30	228.80	62,073	0.00	0	120.00	32,556
Induced Draft Fans	TN	2	23.20	92.80	171.60	15,924	0.00	0	120.00	11,136
Fan Foundations	CY	2	14.80	59.20	68.40	4,049	121.00	7,163	0.00	0
Subtotal						283,232		306,396		60,492
Miscellaneous Steel & Equipment	TN	1	309.41	309.41	369.20	114,234	0.00	0	120.00	37,129
Total Account 312						3,128,486		438,811		1,391,850
FERC Account 314										
Turbo-Generator Units										
Pedestal Concrete	CY	1	1,413.50	2,827.00	68.40	193,367	121.00	342,067	0.00	0
Inserts & Anchor Bolts	TN	1	9.01	18.02	369.20	6,653	0.00	0	120.00	2,162
Turbo-Generator Unit	TN	1	852.00	1,704.00	130.00	221,520	0.00	0	120.00	204,480
Turbine Copper	TN	1	75.00	150.00	509.60	76,440	0.00	0	5,000.00	750,000
Turbine Piping	TN	1	220.00	440.00	228.80	100,672	0.00	0	120.00	52,800
Turbine Insulation - Asbestos	CY	1	140.00	280.00	1,250.00	350,000	100.00	28,000	0.00	0
Turbine Insulation	CY	1	630.00	1,260.00	52.00	65,520	23.00	28,980	0.00	0
Subtotal						1,014,172		399,047		1,009,442
Condensers and Auxiliaries										
Condenser Shell	TN	1	425.00	850.00	171.60	145,860	0.00	0	120.00	102,000
Condenser - Aluminum-Brass Tubes	TN	1	141.50	283.00	369.20	104,484	0.00	0	2,800.00	792,400
Circulating Water Pumps	TN	2	58.40	233.60	171.60	40,086	0.00	0	120.00	28,032
Butterfly Valves	TN	4	6.40	51.20	228.80	11,715	0.00	0	120.00	6,144
Condensate Pumps	TN	2	6.50	26.00	228.80	5,949	0.00	0	120.00	3,120
Concrete	CY	1	6.50	13.00	27.36	356	121.00	1,573	0.00	0
Lube Oil Purif Sys-6,500 gl Tank	TN	1	6.99	13.98	n/a	5,000	0.00	0	120.00	1,678
L.O. Tank - Cleaning		1	n/a	n/a	n/a	0	n/a	4,480	n/a	0
L.O. Tank -		1	n/a	n/a	n/a	0	n/a	5,513	n/a	0
Steam Jet Air Ejector	TN	1	2.50	5.00	228.80	1,144	0.00	0	120.00	600
Subtotal						314,592		11,566		933,974
Miscellaneous Steel & Equipment	TN	1	161.13	161.13	369.20	59,489	0.00	0	120.00	19,336
Total Account 314						1,388,253		410,613		1,962,752
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										

RIVIERA DISMANTLEMENT STUDY

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 Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Steel Structures & Supports	TN	1	2.00	4.00	228.80	915	0.00	0	120.00	480
Equipment Foundations - Concrete	CY	1	94.00	188.00	68.40	12,859	121.00	22,748	0.00	0
Switchgear Foundations - Concrete	CY	1	109.00	218.00	68.40	14,911	121.00	26,378	0.00	0
Manholes and Handholes	CY	1	27.50	55.00	68.40	3,762	121.00	6,655	0.00	0
Subtotal						32,448		55,781		480
<u>Power and Conversion Equipment</u>										
Aux Power Transformer	TN	1	37.25	74.50	171.60	12,784	0.00	0	120.00	8,940
Transformer Copper	TN	1	16.72	16.72	384.80	6,435	0.00	0	5,000.00	83,620
Station Service Transformers	TN	2	4.35	17.40	228.80	3,981	0.00	0	120.00	2,088
Lighting Transformers	TN	8	0.21	3.36	369.20	1,241	0.00	0	120.00	403
Subtotal						24,441		0		95,051
<u>Conduit, Insulators and Conductors</u>										
Concrete - UG Duct	CY	1	324.75	649.50	68.40	44,426	121.00	78,590	0.00	0
Conductors - Generator Leads	TN	1	18.00	36.00	624.00	22,464	0.00	0	5,000.00	180,000
Power Wiring	TN	1	46.48	92.96	624.00	58,007	0.00	0	2,100.00	195,216
Control Wiring	TN	1	56.43	112.86	624.00	70,425	0.00	0	2,100.00	237,006
Cable Trays	TN	1	7.00	14.00	369.20	5,169	0.00	0	120.00	1,680
Subtotal						200,490		78,590		613,902
<u>Switching, Control and Protective Equip</u>										
Switchgear - 4,160v Metalclad	TN	1	40.00	80.00	171.60	13,728	0.00	0	120.00	9,600
Switchgear - 480v Metalclad	TN	1	18.00	36.00	171.60	6,178	0.00	0	120.00	4,320
Station Grounding System	TN	1	10.68	10.68	369.20	3,943	0.00	0	5,000.00	53,400
Subtotal						23,849		0		67,320
Total Account 315						281,228		134,371		776,753
TOTAL RIVIERA UNITS 3 & 4						6,488,480		2,613,120		4,223,162
TOTAL RIVIERA COMMON, UNITS 3 & 4						7,340,841		4,856,979		4,618,381

Sanford Plant

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Sanford Plant

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

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

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

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

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

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

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

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

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Fort Myers plant in Docket No. 030558-EI, Order No. PSC-04-0086-PAA-EI, issued on January 27, 2004. The current accruals became effective as of January 1, 2003.

SANFORD
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
Sanford Common					
<u>Production Plant</u>					
311	Structures and Improvements	885,854	368,851	212,464	1,042,241
312	Boiler Plant Equipment	0	0	0	0
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	0	0	0	0
316	Miscellaneous Equipment	1,747	686	546	1,887
	Subtotal	887,601	369,537	213,010	1,044,129
<u>Other Site Costs:</u>					
	Site Management Expense	775,569			775,569
	Other Site Contamination & Special Waste	765,271			765,271
	Intake & Discharge Backfill	140,502			140,502
	Grading & Seeding	2,562,096			2,562,096
	Subtotal	4,243,438	0	0	4,243,438
	Total	5,131,038	369,537	213,010	5,287,566
	Contingency - 16%	820,966	59,126		880,092
	Total Sanford Common	5,952,005	428,663	213,010	6,167,658
	Unusable M&S Inventory	2,477,130		247,713	2,229,417
		8,429,135	428,663	460,723	8,397,075
Sanford Unit 3					
311	Structures and Improvements	797,104	637,864	92,166	1,342,802
312	Boiler Plant Equipment	1,987,686	396,117	517,936	1,865,867
314	Turbogenerator Units	675,782	136,518	588,073	224,227
315	Accessory Electrical Equipment	175,555	20,776	381,002	(184,670)
316	Miscellaneous Equipment	2,970	1,078	960	3,088
	Subtotal	3,639,097	1,192,353	1,580,136	3,251,314
	Contingency - 16%	582,256	190,776		773,032
	Total Sanford Unit 3	4,221,353	1,383,129	1,580,136	4,024,345
Sanford Units 4 & 5					
341	Structures and Improvements	1,927,024	1,547,612	154,757	3,319,880
342	Fuel Holders and Storage	130,807	153,154	23,334	260,626
343	Prime Movers	9,234,622	2,800,718	4,176,251	7,859,089
344	Turbogenerator Units	1,519,656	612,696	1,964,781	167,571
345	Accessory Electrical Equipment	2,037,359	512,540	1,203,759	1,346,140
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	14,849,469	5,626,719	7,522,882	12,953,306
	Contingency - 16%	2,375,915	900,275		3,276,190
	Total Sanford Units 4 & 5	17,225,384	6,526,994	7,522,882	16,229,496
	Total Dismantlement Costs	29,875,871	8,338,787	9,563,741	28,650,917

**SANFORD
DISMANTLEMENT COST FOR INFLATION PROJECTION**

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Sanford Common	3,571,203	4,857,932	428,663	460,723	8,397,075
Sanford Unit 3	2,532,812	1,688,541	1,383,129	1,580,136	4,024,345
Sanford Units 4 & 5	10,335,230	6,890,154	6,526,994	7,522,882	16,229,496
Total	16,439,245	13,436,627	8,338,787	9,563,741	28,650,917

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

SANFORD DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

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

FPL will provide site security during the dismantlement.

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

The land will be made available for future use.

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

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

The following items will be removed:

- a. All structures, equipment, and concrete pads, pedestals, foundations, etc.;
- b. All underground gas, oil, sewer and water piping and electrical conduits;
- c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

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

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

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

The estimate does not reflect land value or its resale.

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

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

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

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

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

SANFORD DISMANTLEMENT ASSUMPTIONS (continued)

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

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

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

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

<u>Unit</u>	<u>Economic Recovery Date</u>
Unit 3	2020
Unit 4	2028
Unit 5	2027
Common Plant	2028

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

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

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

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

(Continued)

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

SANFORD DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

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

REMOVAL COST FACTORS

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

Labor Rate

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

Labor	\$36.52	X	6	=	\$219.10
Foreman	\$46.49	X	1	=	\$46.49
Heavy Equipment Operator	\$44.53	X	1	=	\$44.53
Total Cost per hour of 8 man crew					<u>\$310.11</u>
Cost per man hour			\$310.11 / 8 =		<u>\$38.76</u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					24,940.03
Front End Loader					2,912.53
Cutting Equipment					231.75
Total per month					<u>28,084.30</u>
	\$28,084	/	176	hours per month =	159.57
Cost per man hour			\$159.57 / 8 =		\$19.95
Plus: amount for small tools					1.00
Total Cost per man hour					<u>\$20.95</u>

SANFORD DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$38.76
Equipment	20.95
Total	<u>\$59.71</u>
 Rounded	 <u>\$60.00</u>
 For Concrete demolition add \$5.00 per hour additional equipment charge.	 <u>\$65.00</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)	\$60.00	2.50 MH / Ton	\$150.00 / Ton
Heavy Steel (2)	\$60.00	3.30 MH / Ton	\$198.00 / Ton
General Steel	\$60.00	4.40 MH / Ton	\$264.00 / Ton
Light Steel	\$60.00	7.10 MH / Ton	\$426.00 / Ton
Concrete	\$65.00	0.48 MH / CY	\$31.20 / CY
Reinforced Concrete	\$65.00	1.20 MH / CY	\$78.00 / CY
Copper-Elect. Cable & Generator Leads &	\$60.00	12.00 MH / Ton	\$720.00 / Ton
Copper - Generator	\$60.00	9.80 MH / Ton	\$588.00 / Ton
Copper - Transformer	\$60.00	7.40 MH / Ton	\$444.00 / Ton
General Insulation	\$60.00	1.00 MH / CY	\$60.00 / CY
Inground Pipe-Metal(3)	\$60.00	6.00 MH / Ton	\$360.00 / Ton
Concrete Pipe	\$65.00	4.60 MH / Ton	\$299.00 / 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 disposal costs of non-hazardous wastes at the Osceola Road Landfill, in Seminole County. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of \$37.49 per ton was obtained from the landfill. The dumpster charges, \$225.00 and \$275.00 per haul for 20 and 30 cubic yard dumpsters, respectively were provided by Waste Management Inc., of Orlando.

SANFORD DISMANTLEMENT STUDY

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

Concrete

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

Truck Cost	\$225.00 /haul		1 haul	=	225.00
Tipping Fees	\$37.49 / ton	X	30.5 tons	=	<u>1,143.45</u>
Total Cost per round Trip					<u>1,368.45</u>
Cost per Cubic Yard	\$1,368.45 / 15.38 cubic yards =				\$88.98
Plus 10% contractor profit					<u>8.90</u>
Total Cost per Cubic Yard					<u>\$97.87</u>
Rounded Cost per Cubic Yard					<u>\$98.00</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. (The dumpster charge is the same for 20 and 30 CY dumpsters.)

Truck Cost	\$275.00 / haul	X	1 haul	=	275.00
Tipping Fees	\$37.49 / ton	X	1.82 tons	=	<u>68.23</u>
Total Cost per round Trip					<u>343.23</u>
Cost per Cubic Yard	\$343.23 / 27 cubic yards =				\$12.71
Plus 10% contractor profit					<u>1.27</u>
Total Cost per Cubic Yard					<u>\$13.98</u>
Rounded Cost per Cubic Yard					<u>\$14.00</u>

SANFORD 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 \$19,202 per month, both office and site, and contractor's expenses of \$23,885 per month for site indirect costs.. These expenses are to be incurred over the 18 month dismantlement period for the Sanford Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management, supervision, security, etc..

Site Management Expenses per month	\$43,087
Number of months	18
Total Site Management Expenses	<u>\$775,569</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 \$39,120; the cost for the discharge is \$31,131. Sanford has 2 Intakes and 2 Discharges:

	Cost/ Struct	Quantity	Totals
Intake	\$39,120	2	\$78,240
Discharge	\$31,131	2	\$62,262
			<u>\$140,502</u>

SANFORD 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 \$56,186 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Sanford Acreage to be graded and seeded	45.60
Cost Factor	\$56,186
Total Grading and Seeding Expense	<u>\$2,562,096</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 Sanford, the following cost estimates have been identified:

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

SANFORD DISMANTLEMENT STUDY

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
SANFORD COMMON										
FERC Account 341										
Improvements to Site										
Access Roads and Parking Areas	CY	1	3,140.00	3,140.00	31.20	97,968	98.00	307,720	0.00	0
Concrete Walkways	CY	1	81.07	81.07	31.20	2,529	98.00	7,945	0.00	0
Station Sign - Concrete	CY	1	11.00	11.00	78.00	858	98.00	1,078	0.00	0
Station Sign - Concrete Foundation	CY	1	7.11	7.11	78.00	555	98.00	697	0.00	0
Rail System Complete - (3520 ties, 5280 LF of rail)	TN	1	352.00	352.00	426.00	149,952	0.00	0	120.00	42,240
Yard Lighting Complete	CY	1	55.00	55.00	78.00	4,290	98.00	5,390	0.00	0
Subtotal						256,152		322,830		42,240
Domestic Water Distribution System and Water Treatment										
Service Water Booster Pump	TN	1	3.00	3.00	426.00	1,278	0.00	0	120.00	360
Yard Fire Protection - System Complete	TN	1	32.66	32.66	426.00	13,913	0.00	0	120.00	3,919
Lawn Sprinkler System - Incl. Pumps w/ Motors, Compl.	TN	1	5.00	5.00	426.00	2,130	0.00	0	120.00	600
Acid Mixing Pumps and Piping system-Water Treatment	TN	1	85.00	85.00	426.00	36,210	0.00	0	120.00	10,200
Cooling Resv. Make-up Pumps	TN	2	1.00	2.00	426.00	852	0.00	0	120.00	240
Cooling Resv. Make-up Piping	TN	1	66.68	66.68	426.00	28,406	0.00	0	120.00	8,002
Well Filed Pumps	TN	1	2.00	2.00	426.00	852	0.00	0	120.00	240
Piping from Well Field to raw water Storage	TN	1	527.60	527.60	426.00	224,758	0.00	0	120.00	63,312
Storm Drain Piping complete	TN	1	245.18	245.18	299.00	73,309	n/a	0	0.00	0
Ground Water Storage Tank(150,000 gal)	TN	1	202.50	202.50	264.00	53,460	0.00	0	120.00	24,300
Elevated Water Storage Tank - 80,000 Gallons	TN	1	108.00	108.00	264.00	28,512	0.00	0	120.00	12,960
Elevated Water Storage Tank - Foundation-Concrete	CY	1	40.00	40.00	31.20	1,248	98.00	3,920	0.00	0
Treated Water Transfer Pump	TN	1	1.00	1.00	426.00	426	0.00	0	120.00	120
Elevated Water Storage Tank(100,000 gal)	TN	1	135.09	135.09	264.00	35,664	0.00	0	120.00	16,211
Fire Protection - Raw Water Fire Pump	TN	1	1.00	1.00	426.00	426	0.00	0	120.00	120
Fire Protection - F/Pump concrete slab	CY	1	6.50	6.50	78.00	507	98.00	637	0.00	0
Subtotal						501,950		4,557		140,584
Fuel Oil System/Area										
Unloading Dock - Reinforced Concrete	CY	0	580.00	0.00	78.00	0	98.00	0	0.00	0
Unloading Dock - Support Steel	TN	0	15.00	0.00	264.00	0	0.00	0	120.00	0
Unloading slip - canal boom motor and drive	TN	0	1.00	0.00	264.00	0	0.00	0	120.00	0
Unloading slip - canal boom motor foundation	CY	0	2.00	0.00	78.00	0	98.00	0	0.00	0
Fuel Oil Piping - at dock area	TN	0	6.00	0.00	264.00	0	0.00	0	120.00	0
Oil Strainers/filters - at dock area	TN	0	2.00	0.00	264.00	0	0.00	0	120.00	0
Fuel Oil Unloading Pumps and motors	TN	0	30.00	0.00	264.00	0	0.00	0	120.00	0
Subtotal						0		0		0
Station Structures										
Service Building - Subst - R/Concrete(145x36)(8")	CY	0	384.00	0.00	78.00	0	98.00	0	0.00	0
Service Building - wing strct - (37x25x10)	CY	0	4.24	0.00	78.00	0	98.00	0	0.00	0
Service Building - wing strct - (13x13x10)	CY	0	13.06	0.00	78.00	0	98.00	0	0.00	0
Service Building - Conc blk and superstructure concr	CY	0	452.11	0.00	31.20	0	98.00	0	0.00	0
Old Station Residence Buildings	CY	0	111.17	0.00	31.20	0	98.00	0	0.00	0
Paint & Lube Oil Storage Bldng - Concrete	CY	0	116.91	0.00	31.20	0	98.00	0	0.00	0
Results Building - R/Concrete Foundn	CY	1	17.50	17.50	78.00	1,365	98.00	1,715	0.00	0
Results Building - concrete block walls	CY	1	7.57	7.57	31.20	236	98.00	742	0.00	0

SANFORD DISMANTLEMENT STUDY

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
Spare Parts Warehouse - Structural Steel	TN	1	67.00	67.00	426.00	28,542	0.00	0	120.00	8,040
Spare Parts Warehouse - Foundation - Concrete	CY	1	83.33	83.33	78.00	6,500	98.00	8,166	0.00	0
Chemical Storage Building - Concrete Roof	CY	0	105.83	0.00	78.00	0	98.00	0	0.00	0
Hydrogen Storage Building(18x9)	CY	1	5.69	5.69	31.20	178	98.00	558	0.00	0
Bulk Storage Bld - concrete	CY	0	360.50	0.00	78.00	0	98.00	0	0.00	0
Bulk Storage Bld - steel	TN	0	40.00	0.00	426.00	0	0.00	0	120.00	0
Records Storage Building - concrete	CY	1	15.72	15.72	31.20	490	98.00	1,541	0.00	0
Electrical Storage Building - concrete	CY	1	41.44	41.44	31.20	1,293	98.00	4,061	0.00	0
Insulation Storage Building - concrete	CY	1	20.80	20.80	31.20	649	98.00	2,038	0.00	0
Training Building - concrete	CY	1	114.87	114.87	31.20	3,584	98.00	11,257	0.00	0
Electrical Motor Repair Building - butler	TN	1	60.00	60.00	426.00	25,560	0.00	0	120.00	7,200
Electrical Motor Repair shop - steel(incl crane)	TN	1	30.00	30.00	426.00	12,780	0.00	0	120.00	3,600
Instrument & Control Building - butler	TN	1	42.00	42.00	426.00	17,892	0.00	0	120.00	5,040
Fabrication Building - butler	TN	1	44.00	44.00	426.00	18,744	0.00	0	120.00	5,280
Lab Building - Concrete Block Walls(51x33)	CY	1	17.69	17.69	31.20	552	98.00	1,734	0.00	0
Lab Building - Concrete Foundation(51x33x6)	CY	1	93.50	93.50	78.00	7,293	98.00	9,163	0.00	0
Subtotal						125,658		40,975		29,160
Sanford Boathouse Facility										
Structure - Steel - Boathouse	TN	1	4.00	4.00	426.00	1,704	0.00	0	120.00	480
Foundation and Seawall - concrete- boathouse	CY	1	5.00	5.00	78.00	390	98.00	490	0.00	0
Subtotal						2,094		490		480
Total Account 341						885,854		368,851		212,464
FERC Account 346										
Miscellaneous Power Plant Equipment										
Service Air Compressor	TN	1	4.55	4.55	264.00	1,201	0.00	0	120.00	546
Serv. Air Compressor - Concrete Foundation	CY	1	7.00	7.00	78.00	546	98.00	686	0.00	0
Total Account 346						1,747		686		546
TOTAL SANFORD COMMON						887,601		369,537		213,010
SANFORD UNIT 3										
FERC Account 311										
Site Sewer System										
Storm Sewers and Drains - Concrete(8" - 48")	CY	1	54.31	54.31	299.00	16,239	98.00	5,322	0.00	0
Floor Drains,Sump Pumps & Oily Sep. - 6" CI Pipe	TN	1	31.00	31.00	426.00	13,206	0.00	0	120.00	3,720
Sanitary Sewer Concrete	CY	1	96.78	96.78	299.00	28,937	98.00	9,484	0.00	0
Oil Separator	CY	1	12.63	12.63	78.00	985	98.00	1,238	0.00	0
Subtotal						59,367		16,045		3,720
Fuel - Oil/Gas System/Area										
Fuel Oil - Pump Tmsfr Pit & Tmch - Reinforced Conc	CY	1	59.50	59.50	78.00	4,641	98.00	5,831	0.00	0
Fuel Oil - Transfer Pit Sump Pumps	TN	2	4.90	9.80	264.00	2,587	0.00	0	120.00	1,176
Fuel Oil Suction Heaters	TN	2	10.75	21.50	264.00	5,676	0.00	0	120.00	2,580
Fuel Oil Supports over canal	CY	1	106.25	106.25	78.00	8,288	98.00	10,413	0.00	0
Fuel Oil Piping - Steel (6" - 18")	TN	1	134.51	134.51	264.00	35,511	0.00	0	120.00	16,141
Gas Piping - main line to main valve	TN	1	27.30	27.30	264.00	7,207	0.00	0	120.00	3,276
Subtotal						63,910		16,244		23,173

SANFORD DISMANTLEMENT STUDY

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
Service Water and Raw Water Systems										
Water Treatment - Area Slab - Concrete	CY	1	105.00	105.00	78.00	8,190	98.00	10,290	0.00	0
Fire Protection Piping - CI 2.5" to 8"	TN	1	46.25	46.25	426.00	19,703	0.00	0	120.00	5,550
Raw Water Storage Tank - 50,000 gal.	TN	1	17.49	17.49	264.00	4,617	0.00	0	120.00	2,099
Raw Water Pump and Motor	TN	1	5.00	5.00	426.00	2,130	0.00	0	120.00	600
Raw Water Storage Tank - Foundation	CY	1	8.00	8.00	78.00	624	98.00	784	0.00	0
Fire Protection - Concrete	CY	1	6.00	6.00	78.00	468	98.00	588	0.00	0
Service Water - Cast Iron Piping - 4" to 6"	TN	1	22.45	22.45	426.00	9,564	0.00	0	120.00	2,694
Subtotal						45,296		11,662		10,943
Intake System										
Intake Structure - Reinforced Concrete	CY	1	731.00	731.00	78.00	57,018	98.00	71,638	0.00	0
Intake Structure - Structural Steel(incl. crane)	TN	1	21.00	21.00	198.00	4,158	0.00	0	120.00	2,520
Intake Structure - Wingwall Cap & Crane Rail Pads	CY	1	31.11	31.11	78.00	2,427	98.00	3,049	0.00	0
Intake Structure - Traveling Water Screens	TN	2	11.40	22.80	264.00	6,019	0.00	0	120.00	2,736
Intake Structure - Screen Wash Pumps and motors	TN	2	3.00	6.00	264.00	1,584	0.00	0	120.00	720
Intake Structure - Concrete Stop Logs	CY	1	11.50	11.50	78.00	897	98.00	1,127	0.00	0
Intake Cooling Water Pump Motors	TN	2	3.00	6.00	264.00	1,584	0.00	0	120.00	720
Intake Structure - Hoists/Crane	TN	1	2.00	2.00	264.00	528	0.00	0	120.00	240
Intake Conduit - Reinforced Concrete Pipe,54"(350 ft)	CY	1	186.90	186.90	299.00	55,883	98.00	18,316	0.00	0
Intake Transition Blocks - Concrete	CY	1	181.65	181.65	78.00	14,169	98.00	17,802	0.00	0
Intake Screen Refuse Line - Cast Iron Pipe	TN	1	2.00	2.00	426.00	852	0.00	0	120.00	240
Subtotal						145,119		111,932		7,176
Discharge System										
Discharge Conduit - 42" Reinforced Concrete Pipe	CY	1	85.75	85.75	299.00	25,639	0.00	0	0.00	0
Discharge Transition and Thrust Blocks	CY	1	131.00	131.00	78.00	10,218	98.00	12,838	0.00	0
Discharge Structure - Reinforced Concrete	CY	1	198.65	198.65	78.00	15,495	98.00	19,468	0.00	0
Discharge Conduit - 54" # Unit 4 - anticipated(300ft)	CY	1	160.20	160.20	299.00	47,900	0.00	0	0.00	0
Discharge Structure - Concrete Stop Logs	CY	1	11.50	11.50	78.00	897	98.00	1,127	0.00	0
Subtotal						100,149		33,433		0
Station Structures										
Substructure concrete footings, piers, beams, Complete	CY	1	232.00	232.00	78.00	18,096	98.00	22,736	0.00	0
Substructure Reinforced Concrete - Mats	CY	1	1,325.50	1,325.50	78.00	103,389	98.00	129,899	0.00	0
Structural Steel - Main Steel	TN	1	304.30	304.30	198.00	60,251	0.00	0	120.00	36,516
Steel - Hand Railing and Miscellaneous	TN	1	19.20	19.20	264.00	5,069	0.00	0	120.00	2,304
Steel - Station Roof	TN	1	14.95	14.95	264.00	3,947	0.00	0	120.00	1,794
Station Floors & Roof - Reinforced Concrete	CY	1	991.00	991.00	78.00	77,298	98.00	97,118	0.00	0
Station Crane - Colby 50/15 Ton Gantry Crane	TN	1	25.00	25.00	198.00	4,950	0.00	0	120.00	3,000
Station Elevator - Westinghouse 1200 lb capacity	TN	1	21.00	21.00	264.00	5,544	0.00	0	120.00	2,520
Emergency Diesel Generators	TN	1	8.50	8.50	264.00	2,244	0.00	0	120.00	1,020
Hydrogen Storage Shelter - Concrete (18x9)CBB	CY	1	5.69	5.69	31.20	178	98.00	558	0.00	0
Service Building - Concrete Block	CY	1	76.19	76.19	31.20	2,377	98.00	7,467	0.00	0
Intake Chlorination Building - CBB (13x14)	CY	1	8.17	8.17	31.20	255	98.00	801	0.00	0
Chlorine Storage Building - CBB (15x13)	CY	1	5.89	5.89	31.20	184	98.00	577	0.00	0
Concrete Foundation - Serv, Chem, Hydro, Co2	CY	1	837.30	837.30	78.00	65,309	98.00	82,055	0.00	0
All other Concrete - sewers, dock, FO pipe Spts, trnch	CY	1	1,095.30	1,095.30	31.20	34,173	98.00	107,339	0.00	0
Subtotal						383,264		448,550		47,154
Total Account 311						797,104		637,864		92,166

SANFORD DISMANTLEMENT STUDY

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
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Fuel - Service Oil Tank(6,000 BBL)	TN	2	26.66	53.32	n/a	32,040	0.00	0	120.00	6,398
Fuel Tank - Foundation and firewall(12,000 BBLS)	CY	1	295.00	295.00	n/a	32,040	0.00	66,342	0.00	0
Fuel Oil Tank - Cleaning	BBLS	1	13,000.00	13,000.00	n/a	0	0.00	30,000	0.00	0
Fuel Tank - Sand Base	CY	1	45.00	45.00	n/a	0	0.00	33,626	0.00	0
Fuel Oil Transfer Heaters	TN	2	4.00	8.00	264.00	2,112	0.00	0	120.00	960
Fuel Oil Heaters and strainers	TN	16	1.00	16.00	264.00	4,224	0.00	0	120.00	1,920
Fuel Oil Burner Pumps/motors - Regular	TN	3	1.50	4.50	264.00	1,188	0.00	0	120.00	540
Fuel Oil Booster Pump	TN	1	1.50	1.50	264.00	396	0.00	0	120.00	180
Fuel Oil Booster Pump Motor(75 hp)	TN	1	1.50	1.50	264.00	396	0.00	0	120.00	180
Fuel Oil/Gas Burners & Igniters	TN	16	0.60	9.60	264.00	2,534	0.00	0	120.00	1,152
Gas Piping - 16", 400 ft	TN	1	16.55	16.55	264.00	4,369	0.00	0	120.00	1,986
Fuel Oil Piping - 16" carbon steel	TN	1	3.79	3.79	264.00	1,001	0.00	0	120.00	455
Fuel Oil Piping - Supports - Concrete	CY	1	10.00	10.00	78.00	780	98.00	980	0.00	0
Miscellaneous Steel and Other	TN	1	2.83	2.83	264.00	747	0.00	0	120.00	340
Fuel Oil Piping Insulation	CY	1	25.00	25.00	60.00	1,500	14.00	350	0.00	0
Fuel Oil Piping Insulation	CY	1	50.00	50.00	60.00	3,000	14.00	700	0.00	0
Subtotal						86,327		131,998		14,111
Boiler Equipment										
Boiler Frame	TN	1	830.00	830.00	198.00	164,340	0.00	0	120.00	99,600
Platforms, Grating & Handrails	TN	1	185.00	185.00	264.00	48,840	0.00	0	120.00	22,200
Boiler Foundation	CY	1	787.50	787.50	78.00	61,425	98.00	77,175	0.00	0
Boiler Drum	TN	1	113.70	113.70	198.00	22,513	0.00	0	120.00	13,644
Boiler Other - Including:										
Air Preheater and lances	TN	2	109.00	218.00	198.00	43,164	0.00	0	120.00	26,160
Sootblowers	TN	1	10.75	10.75	264.00	2,838	0.00	0	120.00	1,290
Hangers and Supports and links	TN	1	18.00	18.00	264.00	4,752	0.00	0	120.00	2,160
Downcomers	TN	1	28.00	28.00	198.00	5,544	0.00	0	120.00	3,360
Furnace Tubes/Sphtr/Wtrwalls	TN	1	804.00	804.00	198.00	159,192	0.00	0	120.00	96,480
Reheater and RH attemperator	TN	1	129.20	129.20	198.00	25,582	0.00	0	120.00	15,504
Economizer	TN	1	45.00	45.00	198.00	8,910	0.00	0	120.00	5,400
Casing/Ducts/Flues	TN	1	542.00	542.00	264.00	143,088	0.00	0	120.00	65,040
Burners	TN	1	13.00	13.00	264.00	3,432	0.00	0	120.00	1,560
Attemperator and SH control	TN	1	1.50	1.50	264.00	396	0.00	0	120.00	180
Miscellaneous Steel and Equipment	TN	1	114.88	114.88	264.00	30,328	0.00	0	120.00	13,786
Air Coil Heaters	TN	1	3.00	3.00	264.00	792	0.00	0	120.00	360
Silencers	TN	1	40.00	40.00	264.00	10,560	0.00	0	120.00	4,800
Insulation	CY	1	50.00	50.00	60.00	3,000	14.00	700	0.00	0
Insulation	CY	1	326.12	326.12	1,250.00	407,650	100.00	32,612	0.00	0
Subtotal						1,146,346		110,487		371,524
Boiler Plant Auxiliaries										
H.P. Feedwater Heater #1	TN	1	23.50	23.50	198.00	4,653	0.00	0	120.00	2,820
H.P. Feedwater Heater #2	TN	1	21.40	21.40	198.00	4,237	0.00	0	120.00	2,568
L.P. Feedwater Heater #3	TN	1	7.90	7.90	198.00	1,564	0.00	0	120.00	948
L.P. Feedwater Heater #4	TN	1	10.30	10.30	198.00	2,039	0.00	0	120.00	1,236
L.P. Feedwater Heater #5	TN	1	10.30	10.30	198.00	2,039	0.00	0	120.00	1,236

SANFORD DISMANTLEMENT STUDY

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
H.P. Feedwater Heater #6	TN	1	15.15	15.15	198.00	3,000	0.00	0	120.00	1,818
Boiler Feed Pumps incl motors	TN	3	7.50	22.50	264.00	5,940	0.00	0	120.00	2,700
BFP - Foundation	CY	1	16.00	16.00	78.00	1,248	98.00	1,568	0.00	0
Condensate Storage Tank - 60,000 Gal(21x24)	TN	1	19.67	19.67	264.00	5,193	0.00	0	120.00	2,360
Condensate Storage Tank Foundation	CY	1	12.40	12.40	78.00	967	98.00	1,215	0.00	0
Condensate Recovery Tank (14x6x4)	TN	2	1.50	3.00	264.00	792	0.00	0	120.00	360
Condensate Recovery Tank Foundation	CY	2	3.54	7.08	78.00	552	98.00	694	0.00	0
Condensate Recovery Cooler	TN	1	1.00	1.00	264.00	264	0.00	0	120.00	120
Condensate Pump	TN	3	1.50	4.50	264.00	1,188	0.00	0	120.00	540
Condensate Pump motor	TN	3	3.20	9.60	264.00	2,534	0.00	0	120.00	1,152
Instrument Air Compressor	TN	2	3.50	7.00	264.00	1,848	0.00	0	120.00	840
Blowdown Tank	TN	1	2.50	2.50	264.00	660	0.00	0	120.00	300
Evaporator	TN	1	2.50	2.50	264.00	660	0.00	0	120.00	300
Boiler Fill/Condensate Transfer Pump(40 hp)	TN	4	1.00	4.00	264.00	1,056	0.00	0	120.00	480
Extraction Heater Drain Pump(100 hp)	TN	2	3.00	6.00	264.00	1,584	0.00	0	120.00	720
Miscellaneous Steel and Equipment -Boiler Aux.	TN	1	6.77	6.77	264.00	1,787	0.00	0	120.00	812
Subtotal						43,807		3,477		21,311
Boiler Plant Piping										
Main Steam Piping	TN	1	21.05	21.05	198.00	4,168	0.00	0	120.00	2,526
Hot Reheat Piping	TN	1	34.42	34.42	198.00	6,815	0.00	0	120.00	4,130
Cold Reheat Piping	TN	1	29.08	29.08	198.00	5,758	0.00	0	120.00	3,490
Condensate and Air Evaporation	TN	1	47.31	47.31	264.00	12,490	0.00	0	120.00	5,677
Extraction Steam Piping	TN	1	8.28	8.28	264.00	2,186	0.00	0	120.00	994
Boiler Feed Piping	TN	1	10.58	10.58	198.00	2,095	0.00	0	120.00	1,270
Boiler Feed/Plant Piping Insulation	CY	1	350.00	125.00	60.00	7,500	14.00	1,750	0.00	0
Boiler Feed/Plant Piping Insulation	CY	1	150.00	150.00	60.00	9,000	14.00	2,100	0.00	0
Silencers	TN	1	1.20	1.20	264.00	317	0.00	0	120.00	144
Saturated Auxiliary Steam - Piping	TN	1	34.94	34.94	264.00	9,224	0.00	0	120.00	4,193
Service & Cooling Water Piping	TN	1	57.96	57.96	426.00	24,691	0.00	0	120.00	6,955
Instrument, Sampling & Control Piping	TN	1	37.46	37.46	426.00	15,958	0.00	0	120.00	4,495
Miscellaneous Steel and Equipment	TN	1	28.52	28.52	264.00	7,529	0.00	0	120.00	3,422
Subtotal						107,731		3,850		37,296
Feedwater Treatment and Cooling Water Equipment										
Cooling Water Pumps	TN	2	2.00	4.00	264.00	1,056	0.00	0	120.00	480
Cooling Water Piping	TN	1	272.07	272.07	264.00	71,826	0.00	0	120.00	32,648
Cooling Water Heat Exchangers	TN	2	1.50	3.00	426.00	1,278	0.00	0	120.00	360
Subtotal						74,160		0		33,488
Forced and Induced Draft Equipment										
FD Fans Foundations - Reinforced Concrete	CY	1	28.30	28.30	78.00	2,207	98.00	2,773	0.00	0
FD Fans w/ motors and couplings	TN	2	43.50	87.00	198.00	17,226	0.00	0	120.00	10,440
FD Air Ducts(incl. windboxes)	TN	1	69.25	69.25	264.00	18,282	0.00	0	120.00	8,310
Insulation	CY	1	50.00	50.00	60.00	3,000	14.00	700	0.00	0
Insulation	CY	1	280.00	280.00	1,250.00	350,000	100.00	28,000	0.00	0
Gas ducts	TN	1	69.25	69.25	264.00	18,282	0.00	0	120.00	8,310
Stack Foundation - Reinforced Concrete	CY	1	620.00	620.00	78.00	48,360	98.00	60,760	0.00	0
Stack - lining/shaft	CY	1	519.75	519.75	78.00	40,541	98.00	50,936	0.00	0
ID Fans Foundations - Reinforced Concrete	CY	1	32.00	32.00	78.00	2,496	98.00	3,136	0.00	0
ID Fans w/ motors and couplings	TN	2	43.50	87.00	264.00	22,968	0.00	0	120.00	10,440

SANFORD DISMANTLEMENT STUDY

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
Miscellaneous Steel and Equipment	TN	1	22.55	22.55	264.00	5,953	0.00	0	120.00	2,706
Subtotal						529,315		146,305		40,206
Total Account 312						1,987,686		396,117		517,936
FERC Account 314										
Turbo-Generator Units										
Pedestal - Reinforced Concrete	CY	1	983.00	983.00	78.00	76,674	98.00	96,334	0.00	0
Turbine - Exciter and other	TN	1	147.35	147.35	150.00	22,103	0.00	0	120.00	17,682
Turbine - Stator	TN	1	216.25	216.25	150.00	32,438	0.00	0	120.00	25,950
Turbine - HP - IP Cylinder Cover	TN	1	20.00	20.00	150.00	3,000	0.00	0	120.00	2,400
Turbine - LP Cylinder Cover	TN	1	20.50	20.50	150.00	3,075	0.00	0	120.00	2,460
Turbine - LP Blade Ring(upper half)	TN	1	20.00	20.00	150.00	3,000	0.00	0	120.00	2,400
Turbine - IP Rotor	TN	1	14.00	14.00	150.00	2,100	0.00	0	120.00	1,680
Turbine - LP Rotor	TN	1	18.00	18.00	150.00	2,700	0.00	0	120.00	2,160
Turbine - Generator Rotor	TN	1	30.15	30.15	150.00	4,523	0.00	0	120.00	3,618
Turbine Copper	TN	1	37.00	37.00	588.00	21,756	0.00	0	5,000.00	185,000
Turbine Piping	TN	1	207.20	207.20	198.00	41,026	0.00	0	120.00	24,864
Turbine Insulation	CY	1	210.00	210.00	1,250.00	262,500	100.00	21,000	0.00	0
Turbine Enclosure	TN	1	14.75	14.75	264.00	3,894	0.00	0	120.00	1,770
Miscellaneous Steel and Equipment	TN	1	16.90	16.90	264.00	4,462	0.00	0	120.00	2,028
Subtotal						483,249		117,334		272,012
Condensers and Auxiliaries										
Condenser Shell	TN	1	285.00	285.00	198.00	56,430	0.00	0	120.00	34,200
Condenser - Aluminum-Brass Tubes	TN	1	87.07	87.07	426.00	37,092	0.00	0	2,800.00	243,796
Condenser Foundation - Reinforced Concrete	CY	1	185.25	185.25	78.00	14,450	98.00	18,155	0.00	0
Circulating Water Pumps - 58,000 gpm(incl mtr)	TN	2	29.50	59.00	264.00	15,576	0.00	0	120.00	7,080
Circulating Water Piping	TN	1	98.73	98.73	264.00	26,065	0.00	0	120.00	11,848
Condensate Pumps - 12" suction, 8" dischrq(incl mtrs)	TN	3	15.97	47.91	264.00	12,648	0.00	0	120.00	5,749
Condensate Pump - Foundation - RI Concrete	CY	1	10.50	10.50	78.00	819	98.00	1,029	0.00	0
Turbine Oil Resv.(bowser)	TN	1	47.00	47.00	264.00	12,408	0.00	0	120.00	5,640
Lube Oil Storage Tank (4500 gal)	TN	1	23.50	23.50	264.00	6,204	0.00	0	120.00	2,820
Miscellaneous Steel and Equipment	TN	1	41.07	41.07	264.00	10,842	0.00	0	120.00	4,928
Subtotal						192,534		19,184		316,061
Total Account 314						675,782		136,518		588,073
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Main Generator Leads & Enclosures(aluminum)	TN	1	10.00	10.00	420.00	4,200	0.00	0	1,340.00	13,400
Manholes and Handholes - Concrete	CY	1	49.00	49.00	31.20	1,529	98.00	4,802	0.00	0
Transformer Foundations - Concrete	CY	1	39.00	39.00	78.00	3,042	98.00	3,822	0.00	0
Switchgear Foundations - Concrete	CY	1	37.00	37.00	78.00	2,886	98.00	3,626	0.00	0
Load Control Centers Foundations - Concrete	CY	1	12.00	12.00	78.00	936	98.00	1,176	0.00	0
Aux Power Transformer - 7,500 kva	TN	1	17.40	17.40	426.00	7,412	0.00	0	120.00	2,088
Startup Transformer	TN	1	23.25	23.25	426.00	9,905	0.00	0	120.00	2,790
Transformer Copper	TN	1	0.00	0.00	444.00	0	0.00	0	5,000.00	0
Storage Battery	TN	1	3.00	3.00	426.00	1,278	0.00	0	120.00	360
Underground Ducts - Concrete	CY	1	75.00	75.00	78.00	5,850	98.00	7,350	0.00	0

SANFORD DISMANTLEMENT STUDY

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Conduit - rigid alum	TN	1	42.70	42.70	426.00	18,190	0.00	0	1,340.00	57,218
Exposed Conduits and Trays	TN	1	86.84	86.84	426.00	36,994	0.00	0	1,340.00	116,366
Buswork and Copper tubing	TN	1	1.00	1.00	426.00	426	0.00	0	5,000.00	5,000
Motor Control Centers	TN	1	4.50	4.50	426.00	1,917	0.00	0	120.00	540
Power/Control Wiring	TN	1	84.56	84.56	720.00	60,883	0.00	0	2,100.00	177,576
Main Control Board for B-T-G	TN	1	3.00	3.00	426.00	1,278	0.00	0	120.00	360
Load Control Centers Transformers	TN	2	3.10	6.20	426.00	2,641	0.00	0	120.00	744
Switchgear - 4,160v Metalclad	TN	1	20.00	20.00	426.00	8,520	0.00	0	120.00	2,400
Switchgear - 480v Metalclad	TN	1	18.00	18.00	426.00	7,668	0.00	0	120.00	2,160
Total Account 315						175,555		20,776		381,002
FERC Account 316										
Miscellaneous Power Plant Equipment										
Service Air Compressor	TN	1	8.00	8.00	264.00	2,112	0.00	0	120.00	960
Air Compressor - Concrete Foundation	CY	1	11.00	11.00	78.00	858	98.00	1,078	0.00	0
Total Account 316						2,970		1,078		960
TOTAL SANFORD UN IT 3						3,639,097		1,192,353		1,580,136
SANFORD UNITS 4 & 5										
FERC Account 341										
Site Sewer System										
Storm Sewers and Drains - Concrete(8" - 48")	TN	1	245.18	245.18	299.00	73,309	0.00	0	0.00	0
Floor Drains,Sump Pumps & Oily Sep. - 6" CI Pipe	TN	1	22.50	22.50	426.00	9,585	0.00	0	120.00	2,700
Oil Separator - Site Sewer	CY	0	31.48	0.00	78.00	0	98.00	0	0.00	0
Subtotal						82,894		0		2,700
Fuel Oil System/Area										
Fuel Oil Storage Tank - 268,000 BBLs	TN	0	890.80	0.00	n/a	96,120	0.00	0	120.00	0
Fuel Oil Tank - Cleaning(268,000 BBLs)					n/a	0	n/a	300,000	0.00	0
Fuel Oil Storage Tank - Sand Base					n/a	0	n/a	224,000	0.00	0
Fuel Oil - Pump Transfer Pit - Reinforced Concrete	CY	1	106.00	106.00	78.00	8,268	98.00	10,388	0.00	0
Fuel Oil - Concrete Pipe Trenches	CY	1	51.35	51.35	78.00	4,005	98.00	5,032	0.00	0
Fuel Oil - Transfer Pit Pumps	TN	1	7.50	7.50	264.00	1,980	0.00	0	120.00	900
Fuel Oil - Concrete Retaining Wall	CY	1	741.50	741.50	78.00	57,837	98.00	72,667	0.00	0
Fuel Oil Pipe - Reinforced Concrete Supports	CY	1	43.00	43.00	78.00	3,354	98.00	4,214	0.00	0
Fuel Oil Piping - Steel (6" - 18")-Unload to Tanks	TN	1	31.44	31.44	264.00	8,300	0.00	0	120.00	3,773
Subtotal						179,864		616,301		4,673
Service Water and Raw Water Systems										
Water Treatment - Area Slab - Concrete	CY	1	520.00	520.00	78.00	40,560	98.00	50,960	0.00	0
Water Treatment - Chlorination System	TN	1	1.00	1.00	264.00	264	0.00	0	120.00	120
Fire Protection Piping - CI 2.5" to 8"	TN	1	34.22	34.22	426.00	14,578	0.00	0	120.00	4,106
Wash Water Booster Pump	TN	1	1.00	1.00	426.00	426	0.00	0	120.00	120
Drainage Lift Station Sump Pumps	TN	1	1.30	1.30	426.00	554	0.00	0	120.00	156
Service Water - Cast Iron Piping - 4" to 6"	TN	1	78.33	78.33	426.00	33,369	0.00	0	120.00	9,400
Subtotal						89,750		50,960		13,902
Intake System										
Intake Structure - Reinforced Concrete	CY	1	1,901.00	1,901.00	78.00	148,278	98.00	186,298	0.00	0
Intake Structure - Structural Steel(incl. crane)	TN	1	50.28	50.28	198.00	9,955	0.00	0	120.00	6,034

SANFORD DISMANTLEMENT STUDY

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Intake Structure - Traveling Water Screens	TN	4	12.19	48.76	264.00	12,873	0.00	0	120.00	5,851
Intake Structure - Screen Wash Pumps	TN	4	0.50	2.00	264.00	528	0.00	0	120.00	240
Intake Structure - Concrete Stop Logs	CY	1	11.50	11.50	78.00	897	98.00	1,127	0.00	0
Open Cooling Water Piping	TN	1	58.68	58.68	299.00	17,545	0.00	0	120.00	7,042
Intake Cooling Water Pump Motors	TN	4	1.75	7.00	264.00	1,848	0.00	0	120.00	840
Intake Cooling Water Pumps	TN	4	1.37	5.48	264.00	1,447	0.00	0	120.00	658
Lake Fill Pumps	TN	2	4.67	9.34	264.00	2,466	0.00	0	120.00	1,121
Intake Structure - Crane incl. hoists	TN	2	25.23	50.46	264.00	13,321	0.00	0	120.00	6,055
Intake Conduit - Reinforced Concrete Pipe, 78"	CY	1	1,123.50	1,123.50	299.00	335,927	0.00	0	0.00	0
Intake Transition Blocks - Concrete	CY	1	433.51	433.51	78.00	33,814	98.00	42,484	0.00	0
Intake Screen Refuse Line - Concrete Pipe	CY	1	72.09	72.09	299.00	21,555	0.00	0	0.00	0
Subtotal						600,454		229,909		27,840
Discharge System										
Discharge Conduit - 78" Reinforced Concrete Pipe	CY	1	933.45	933.45	299.00	279,102	0.00	0	0.00	0
Discharge Transition and Thrust Blocks	CY	1	115.00	115.00	78.00	8,970	98.00	11,270	0.00	0
Discharge Structure - Reinforced Concrete	CY	1	424.00	424.00	78.00	33,072	98.00	41,552	0.00	0
Discharge Structure - Concrete Stop Logs	CY	1	11.50	11.50	78.00	897	98.00	1,127	0.00	0
Subtotal						322,041		53,949		0
Station Structures										
Substructure concrete footings, piers, beams	CY	1	599.00	599.00	78.00	46,722	98.00	58,702	0.00	0
Substructure Reinforced Concrete - Miscellaneous	CY	1	4,437.00	4,437.00	78.00	346,086	98.00	434,826	0.00	0
Structural Steel - Main Steel	TN	1	539.50	539.50	198.00	106,821	0.00	0	120.00	64,740
Steel - Hand Railing and Miscellaneous	TN	1	10.00	10.00	264.00	2,640	0.00	0	120.00	1,200
Station Floors & Roof - Reinforced Concrete	CY	1	958.00	958.00	78.00	74,724	98.00	93,884	0.00	0
Station Crane - Whiting 70/15 Crane - Bridge & Trolley	TN	2	115.20	230.40	198.00	45,619	0.00	0	120.00	27,648
Station Elevator - Westinghouse 1200 lb capacity	TN	2	45.60	91.20	264.00	24,077	0.00	0	120.00	10,944
Diesel Generator Building - Concrete	CY	1	45.90	45.90	31.20	1,432	98.00	4,498	0.00	0
Emergency Diesel Generators	TN	1	9.25	9.25	264.00	2,442	0.00	0	120.00	1,110
Hydrogen Storage Shelter - Concrete	CY	1	46.76	46.76	31.20	1,459	98.00	4,582	0.00	0
Subtotal						652,022		596,493		105,642
Total Account 341						1,927,024		1,547,612		154,757
FERC Account 342										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Fuel - Metering Oil Tank - Out of Service, Cleaned(12,000	TN	0	25.00	0.00	n/a	16,020	0.00	0	120.00	0
Fuel - Metering Oil Tank - Now Demin Tank (12,000 BBL)	TN	0	25.00	0.00	n/a	16,020	0.00	0	120.00	0
Fuel Tank - Foundation and firewall					n/a	0	n/a	66,342	0.00	0
Fuel Oil Tank - Sand Base (12,000 BBLs)					n/a	0	n/a	27,218	0.00	0
Subtotal						32,040		93,560		0
Boiler Plant Auxiliaries										
Boiler Feed Pumps	TN	3	31.65	94.95	264.00	25,067	0.00	0	120.00	11,394
Boiler Feed Pump Foundation	CY	1	407.00	407.00	78.00	31,746	98.00	39,886	0.00	0
Condensate Storage Tank - 150,000 Gal	TN	2	43.26	86.52	264.00	22,841	0.00	0	120.00	10,382
Condensate Storage Tank Foundation	CY	1	194.00	194.00	78.00	15,132	98.00	19,012	0.00	0
Condensate Recovery Tank	TN	2	3.67	7.34	264.00	1,938	0.00	0	120.00	881
Condensate Recovery Tank Foundation	CY	2	3.55	7.10	78.00	554	98.00	696	0.00	0

SANFORD DISMANTLEMENT STUDY

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
Condensate Recovery Drain Cooler	TN	2	1.00	2.00	264.00	528	0.00	0	120.00	240
Condensate Recovery Vent Condenser	TN	2	1.82	3.64	264.00	961	0.00	0	120.00	437
Subtotal						98,767		59,594		23,334
Total Account 342						130,807		153,154		23,334
FERC Account 343										
<u>Power Movers</u>										
<u>Heat Recovery Steam Generator Structure (HRSG)</u>										
Generator Terminal Enclosure	TN	8	10.50	84.00	264.00	22,176	0.00	0	120.00	10,080
Concrete	CY	1	140.00	140.00	78.00	10,920	98.00	13,720	0.00	0
						33,096		13,720		10,080
<u>HRSG Enclosures</u>										
Combustion Turbine Inlet Filter	TN	8	27.00	216.00	264.00	57,024	0.00	0	120.00	25,920
Combustion Turbine Inlet Duct	TN	8	290.00	2,320.00	264.00	612,480	0.00	0	120.00	278,400
SGF HRSG Vents & Drains Pump	TN	4	0.70	2.80	264.00	739	0.00	0	120.00	336
Supporting Steel	TN	8	10.50	84.00	264.00	22,176	0.00	0	120.00	10,080
Concrete	CY	1	2,133.00	2,133.00	78.00	166,374	98.00	209,034	0.00	0
						858,793		209,034		314,736
<u>HRSG Pressure Parts</u>										
Heat Recovery Steam Generator	TN	8	3,495.50	27,964.00	198.00	5,536,872	0.00	0	120.00	3,355,680
Concrete	CY	1	22,700.00	22,700.00	78.00	1,770,600	98.00	2,224,600	0.00	0
						7,307,472		2,224,600		3,355,680
<u>Industrial Gas Turbine</u>										
Gas Turbine	TN	8	188.50	1,508.00	198.00	298,584	0.00	0	120.00	180,960
Concrete	CY	1	1,225.00	1,225.00	78.00	95,550	98.00	120,050	0.00	0
						394,134		120,050		180,960
<u>Stm Gen/Blr/HRSG Blowdown Cooling System</u>										
WSA Blowdown Pump	TN	2	0.44	0.88	264.00	232	0.00	0	120.00	106
						232		0		106
<u>Reheat System</u>										
HRH Hot Reheat Valves	TN	32	2.50	80.00	264.00	21,120	0.00	0	120.00	9,600
						21,120		0		9,600
<u>Steam Turbine</u>										
Generator	TN	8	260.00	2,080.00	150.00	312,000	0.00	0	120.00	249,600
High Pressure Steam Valves	TN	32	1.75	56.00	264.00	14,784	0.00	0	120.00	6,720
Miscellaneous Valves	TN	4900	0.01	49.00	264.00	12,936	0.00	0	120.00	5,880
Concrete	CY	1	1,830.00	1,830.00	78.00	142,740	98.00	179,340	0.00	0
						482,460		179,340		262,200
<u>Condensate Transfer System</u>										
WSI Emergency Condensate Pump	TN	1	3.25	3.25	264.00	858	0.00	0	120.00	390
Concrete	CY	1	3.75	3.75	78.00	293	98.00	368	0.00	0
						1,151		368		390

SANFORD DISMANTLEMENT STUDY

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
Condenser Air Removal System										
CAB Air Compressor	TN	3	4.40	13.20	264.00	3,485	0.00	0	120.00	1,584
HRB Condenser Air Extraction Hogger	TN	2	9.15	18.30	264.00	4,831	0.00	0	120.00	2,196
HRB Condenser Air Extraction Ejector	TN	2	3.75	7.50	264.00	1,980	0.00	0	120.00	900
Concrete	CY	1	12.00	12.00	78.00	936	98.00	1,176	0.00	0
						11,232		1,176		4,680
Condenser Cooling Water Pump System										
FWF Condensate Storage & Makeup Pump	TN	4	0.44	1.76	264.00	465	0.00	0	120.00	211
FWC Condensate Pump	TN	4	8.80	35.20	264.00	9,293	0.00	0	120.00	4,224
Concrete	CY	1	50.00	50.00	78.00	3,900	98.00	4,900	0.00	0
						13,657		4,900		4,435
Air Cooling System, G.T.										
Cooling Fan Module	TN	8	4.25	34.00	264.00	8,976	0.00	0	120.00	4,080
Concrete	CY	1	35.00	35.00	78.00	2,730	98.00	3,430	0.00	0
						11,706		3,430		4,080
Component/Closed Cooling Water System										
ECB Closed Cooling Water Spray Pumps	TN	6	1.20	7.20	264.00	1,901	0.00	0	120.00	864
ECB Closed Cooling Pumps	TN	4	3.20	12.80	264.00	3,379	0.00	0	120.00	1,536
ECB Closed Cooling Water Cooling Tower	TN	2	58.10	116.20	264.00	30,677	0.00	0	120.00	13,944
Fuel Gas Heat Exchangers	TN	8	13.50	108.00	264.00	28,512	0.00	0	120.00	12,960
Concrete	CY	1	450.00	450.00	78.00	35,100	98.00	44,100	0.00	0
Subtotal						99,569		44,100		29,304
Total Account 343						9,234,622		2,800,718		4,176,251
FERC Account 344										
Turbo-Generator Units										
Pedestal - Reinforced Concrete	CY	1	4,011.00	4,011.00	78.00	312,858	98.00	393,078	0.00	0
Turbine - Stator	TN	2	327.10	654.20	150.00	98,130	0.00	0	120.00	78,504
Turbine - HP/IP Cylinder Cover	TN	2	46.10	92.20	198.00	18,256	0.00	0	120.00	11,064
Turbine - No.1 LP Cylinder Cover	TN	2	45.90	91.80	198.00	18,176	0.00	0	120.00	11,016
Turbine - No. 1 Inner Cylinder Cover	TN	2	19.55	39.10	150.00	5,865	0.00	0	120.00	4,692
Turbine - HP/IP Rotor	TN	2	27.30	54.60	150.00	8,190	0.00	0	120.00	6,552
Turbine - No. 1 LP Rotor	TN	2	48.00	96.00	150.00	14,400	0.00	0	120.00	11,520
H.P. Upper Shell	TN	2	31.00	62.00	150.00	9,300	0.00	0	120.00	7,440
H.P. Lower Shell	TN	2	31.21	62.42	150.00	9,363	0.00	0	120.00	7,490
Generator - Rotor	TN	2	58.75	117.50	150.00	17,625	0.00	0	120.00	14,100
Turbine - LP Rotor Lifting Gear	TN	2	4.00	8.00	150.00	1,200	0.00	0	120.00	960
Turbine Copper	TN	1	48.00	48.00	588.00	28,224	0.00	0	5,000.00	240,000
Turbine Piping	TN	2	260.00	520.00	198.00	102,960	0.00	0	120.00	62,400
Turbine Insulation	CY	2	420.00	840.00	60.00	50,400	14.00	11,760	0.00	0
Turbine Enclosure	TN	2	36.75	73.50	264.00	19,404	0.00	0	120.00	8,820
Miscellaneous Steel and Equipment- Turbine area	TN	2	19.67	39.34	264.00	10,386	0.00	0	120.00	4,721
Turbine Generator Mat - concrete	CY	1	1,961.00	1,961.00	78.00	152,958	98.00	192,178	0.00	0
Subtotal						877,695		597,016		469,279
Condensers and Auxiliaries										

SANFORD DISMANTLEMENT STUDY

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
Condenser Shell	TN	2	867.50	1,735.00	198.00	343,530	0.00	0	120.00	208,200
Condenser - Aluminum-Brass Tubes	TN	2	223.51	447.02	426.00	190,431	0.00	0	2,800.00	1,251,656
Condenser Foundation - Reinforced Concrete	CY	1	110.00	110.00	78.00	8,580	98.00	10,780	0.00	0
Circulating Water Pumps/Motors - 58,000 gpm	TN	4	38.82	155.28	264.00	40,994	0.00	0	120.00	18,634
Condensate Pumps - 12" suction, 8" dischrg(incl mtrs)	TN	4	15.70	62.80	264.00	16,579	0.00	0	120.00	7,536
Turbine Oil Conditioner	TN	4	12.25	49.00	264.00	12,936	0.00	0	120.00	5,880
Turbine Lube Oil Coolers	TN	1	4.00	4.00	264.00	1,056	0.00	0	120.00	480
Turbine Insulation	CY	2	175.00	350.00	60.00	21,000	14.00	4,900	0.00	0
Miscellaneous Steel and Equipment- Cond & Aux.	TN	1	22.91	22.91	264.00	6,048	0.00	0	120.00	2,749
Lube Oil Storage Tank	TN	2	1.53	3.06	264.00	808	0.00	0	120.00	367
Subtotal						641,962		15,680		1,495,502
Total Account 344						1,519,656		612,696		1,964,781
FERC Account 345										
Accessory Electrical Equipment										
Foundations & Structures										
Main Generator Leads & Enclosures(aluminum)	TN	2	15.00	30.00	720.00	21,600	0.00	0	1,340.00	40,200
Manholes and Handholes - Concrete	CY	1	961.00	961.00	31.20	29,983	98.00	94,178	0.00	0
Transformer Foundations - Concrete	CY	1	673.00	673.00	78.00	52,494	98.00	65,954	0.00	0
Switchgear Foundations - Concrete	CY	1	348.00	348.00	78.00	27,144	98.00	34,104	0.00	0
Load Control Centers Foundations - Concrete	CY	1	30.00	30.00	78.00	2,340	98.00	2,940	0.00	0
Aux Power Transformer - 7,500 kva	TN	2	81.55	163.10	426.00	69,481	0.00	0	120.00	19,572
Startup Transformer	TN	1	62.00	62.00	426.00	26,412	0.00	0	120.00	7,440
Station Service Transformer	TN	1	54.35	54.35	426.00	23,153	0.00	0	120.00	6,522
Transformer Copper	TN	1	0.00	0.00	444.00	0	0.00	0	5,000.00	0
Storage Battery	TN	2	3.00	6.00	426.00	2,556	0.00	0	120.00	720
Underground Ducts - Concrete	CY	1	2,778.00	2,778.00	299.00	830,622	98.00	272,244	0.00	0
Engineered Hangers	TN	1	375.00	375.00	426.00	159,750	0.00	0	120.00	45,000
Non-Engineered hangers	TN	1	40.00	40.00	426.00	17,040	0.00	0	120.00	4,800
Conduit - rigid aluminum - Access Electrical	TN	2	21.43	42.86	426.00	18,258	0.00	0	1,340.00	57,432
Underground Conduit - Access Electrical	CY	2	10.00	20.00	31.20	624	98.00	1,960	0.00	0
Exposed Conduits and Trays - Access Electrical	TN	2	92.90	185.80	426.00	79,151	0.00	0	1,340.00	248,972
Buswork - Aluminum	TN	2	12.41	24.82	426.00	10,573	0.00	0	1,340.00	33,259
Motor Control Centers - Access Electrical	TN	10	37.50	375.00	426.00	159,750	0.00	0	120.00	45,000
Copper Wiring - 24,000 ft.	TN	1	7.92	7.92	720.00	5,702	0.00	0	2,100.00	16,632
Power/Control Wiring - 390,000 ft.	TN	1	288.00	288.00	720.00	207,360	0.00	0	2,100.00	604,800
Main Control Board for B-T-G	TN	1	3.00	3.00	426.00	1,278	0.00	0	120.00	360
Load Control Centers Transformers	TN	9	3.15	28.35	426.00	12,077	0.00	0	120.00	3,402
Control Boards - PECC	TN	1	209.40	209.40	426.00	89,204	0.00	0	120.00	25,128
Switchgear - 4,160v Metalclad - Access Electrical	TN	1	20.00	20.00	426.00	8,520	0.00	0	120.00	2,400
Switchgear - 480v Metalclad - Access Electrical	TN	1	18.00	18.00	426.00	7,668	0.00	0	120.00	2,160
						1,862,741		471,380		1,163,799
High Initial Response Exciter System										
GEC W/LCI	TN	4	38.50	154.00	426.00	65,604	0.00	0	120.00	18,480
GEC WO/LCI	TN	4	26.00	104.00	426.00	44,304	0.00	0	120.00	12,480
Steam Turbine Excitation Equipment	TN	2	37.50	75.00	426.00	31,950	0.00	0	120.00	9,000
Concrete	CY	1	420.00	420.00	78.00	32,760	98.00	41,160	0.00	0
						174,618		41,160		39,960

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo- nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Total Account 345						2,037,359		512,540		1,203,759
TOTAL SANFORD UNITS 4 & 5						<u>14,849,469</u>		<u>5,626,719</u>		<u>7,522,882</u>

Scherer Plant

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Scherer Unit 4 and Related Common Facilities

The Scherer Steam Plant is a coal fired generating station consisting of four units and all the common facilities required in generating electricity. It is located on 12,000 acres of land (the main operating area of the plant site is approximately 3,500 acres) in Monroe County near the Ocmulgee River about 17 miles north of Macon, Georgia. Although built for Georgia Power Corporation (GPC), Florida Power & Light Company (FPL) and Jacksonville Electric Authority (JEA) have completed the purchase of one generating unit, Scherer Unit 4, and related common facilities. The installment purchase of these facilities was effected in four installments over the period from 1991 to 1995. FPL owns 76.36% and JEA owns 23.64% of Unit 4. FPL owns 38.18% of the common facilities related to units 3 and 4 and 19.09% of those common facilities related to all four units.

Scherer Unit 4 achieved initial operation on December 21, 1988 and was declared commercial on February 28, 1989. The unit consists of a boiler turbine generator, condenser, a 530-foot high natural draft-cooling tower, a shared smokestack (shared with unit 3), electrical switching equipment, and water and fuel facilities. Common facilities include the power house (which houses the four generating units at the site), Lake Juliette (a man-made 3,600 acre lake), a 350 acre ash disposal pond, an ash settling pond, a retention pond, a coal storage yard and a 500 kv switchyard, to interconnect the 4 units at the site to Georgia Power's transmission system. For purposes of this dismantlement study, the estimated retirement dates for Scherer are as follows:

<u>Unit</u>	<u>Year</u>
Common to Units 1 – 4	2029
Common to Units 3 & 4	2029
Unit 4	2029

The dismantlement of the plants is assumed to require 2 years beginning in 2034.

Scherer Unit 4 can produce 818 megawatts of electricity. The boiler is capable of producing 5,790,000 pounds of steam per hour at 2,400 pounds per square inch pressure at 1,000 degrees Fahrenheit. Under full load conditions the boiler burns 322 tons of coal per hour (7,728 tons per day). Scherer burns western coal which is delivered by rail from Powder River Basin and is unloaded by a sophisticated coal handling system which is capable of unloading an 80 car train in a half hour. The unit uses a closed loop steam cycle with a separate loop of water drawn from Lake Juliette to serve as a coolant in the condensers. The turbine generators, manufactured by General Electric, have a nameplate generating capacity of 818 megawatts and at full load produce 1.2 million horsepower. Electrostatic precipitators are used to remove more than 99% of the fly ash from the flue gasses that leave the boiler after the coal burning process. An automatic opacity sensor in the 1,000-foot stack monitors emissions.

Florida Power & Light Company last requested and received approval for a change in dismantlement accruals for the Scherer Units in Docket No. 030558-EI, Order No. PSC-04-0086-PAA-EI, issued on January 27, 2004. The effective date of the current accruals is January 1, 2003.

SCHERER
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
Scherer Common (supporting Units 1 through 4)					
<u>Production Plant</u>					
311	Structures and Improvements	1,031,241	888,934	80,004	1,840,171
312	Boiler Plant Equipment	4,175,389	3,164,931	527,149	6,813,171
314	Turbogenerator Units	225,517	173,280	34,968	363,829
315	Accessory Electrical Equipment	2,182	0	960	1,222
316	Miscellaneous Equipment	952	0	420	532
	Subtotal	5,435,281	4,227,145	643,501	9,018,925
	Site Management Expenses	1,034,092			1,034,092
	Landfill Material/Monitoring	4,307,982			4,307,982
	Intake & Discharge Backfill	70,250			70,250
	Ash Pond Consolidation and Removal	19,210,973			19,210,973
	Grading & Seeding	50,567,679			50,567,679
	Subtotal	75,190,976	0	0	75,190,976
	Total	80,626,257	4,227,145	643,501	84,209,901
	Contingency - 16%	12,900,201	676,343		13,576,544
	Total Scherer Common (supporting Units 1 through 4)	93,526,459	4,903,488	643,501	97,766,446
	Unusable M&S Inventory	2,645,874		436,569	2,209,305
	Total Scherer Common including Unusable M & S	96,172,333	4,903,488	1,080,070	99,995,751
	FPL's Ownership Percentage - 19.09%	18,359,298	936,076	206,185	19,089,189
					19,089,189
<u>Scherer Common (supporting Units 3 & 4)</u>					
311	Structures and Improvements	114,774	148,655	8,661	254,768
312	Boiler Plant Equipment	2,673,019	2,453,902	88,541	5,038,380
314	Turbogenerator Units	10,513	6,742	3,360	13,895
315	Accessory Electrical Equipment	0	0	0	0
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	2,798,306	2,609,299	100,562	5,307,043
	Contingency - 16%	447,729	417,488		865,217
	Total Scherer Common (supporting Units 3 & 4)	3,246,035	3,026,787	100,562	6,172,260
	FPL's Ownership Percentage - 38.18%	1,239,336	1,155,627	38,395	2,356,569
<u>Scherer Unit 4</u>					
311	Structures and Improvements	982,671	173,285	369,420	786,536
312	Boiler Plant Equipment	10,103,206	309,473	5,026,784	5,385,895
314	Turbogenerator Units	10,244,586	2,534,492	883,640	11,895,438
315	Accessory Electrical Equipment	466,419	0	1,631,638	(1,165,219)
316	Miscellaneous Equipment	12,276	0	5,400	6,876
	Subtotal	21,809,158	3,017,250	7,916,882	16,909,526
	Contingency - 16%	3,489,465	482,760		3,972,225
	Total Scherer Unit 4	25,298,624	3,500,010	7,916,882	20,881,752
	FPL's Ownership Percentage - 76.36%	19,318,029	2,672,608	6,045,331	15,945,305
	Total Dismantlement Costs - FPL's Ownership	35,916,663	4,764,311	6,289,911	37,391,063

SCHERER
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Scherer Common (supporting Units 1 through 4)	10,510,482	7,848,817	936,076	206,185	19,089,189
Scherer Common (supporting Units 3 & 4)	743,602	495,734	1,155,627	38,395	2,356,569
Scherer Unit 4	11,590,817	7,727,212	2,672,608	6,045,331	15,945,305
Total	22,844,901	16,071,763	4,764,311	6,289,911	37,391,063

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

SCHERER DISMANTLEMENT ASSUMPTIONS

FPL and the Jacksonville Electric Authority (JEA) are joint owners of Scherer Unit 4 and related Common Facilities. Contractually each co-owner is responsible for his share of all dismantlement costs.

FPL will provide management personnel for the dismantlement effort.

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

FPL will provide site security during the dismantlement.

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

The land will be made available for future use.

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

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

The following items will be removed:

- a. All structures, equipment, and concrete pads, pedestals, foundations, etc;
- b. All underground gas, oil, sewer and water piping and electrical conduits (underground concrete piping to be collapsed);
- c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

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

All coal except unrecoverable base in the storage area will be burned before dismantling occurs. Unrecoverable base coal will be removed to the ash pond.

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

The estimate does not reflect land value or its resale.

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

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

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

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

SCHERER DISMANTLEMENT ASSUMPTIONS (continued)

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

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

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

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

<u>Unit</u>	<u>Economic Recovery Date</u>
Common to Units 1 - 4	2029
Common to Units 3 & 4	2029
Unit 4	2029

FPL's Environmental Department recently completed a survey of asbestos quantities at our fossil sites, which estimated the cost to abate asbestos in the Scherer Unit 4 cooling tower fill material at \$8,683,391.

DISMANTLING ACTIVITIES: COAL FIRED PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove solid and liquid waste from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines. Remove underground piping and backfill all trenches.
- Remove main steam, hot and cold piping, downcomers, valves and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove makeup structure, equipment, pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal, including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Remove fire protection, building heating, compressors, air dryers, control equipment and electrical systems.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestals, foundations, and heavy concrete structures and buildings, stack foundations, equipment foundations, and substructures. Remove to landfill.
- Install environmental monitoring equipment, for example, at wells.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove railroad tracks.
- Test and remove contaminated soil/bases – all areas.

DISMANTLING ACTIVITIES: COAL FIRED PLANTS

(Continued)

- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.
- Remove gas supply metering site, valve stations, underground distribution system.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

SCHERER DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

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

REMOVAL COST FACTORS

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

Labor Rate

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

Labor	\$39.85	X	6	=	\$239.11
Foreman	\$50.73	X	1	=	\$50.73
Heavy Equipment Operator	\$48.60	X	1	=	\$48.60
Total Cost per hour of 8 man crew					<u>\$338.43</u>
Cost per man hour			\$338.43 / 8	=	<u>\$42.30</u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					23,487.95
Front End Loader					2,742.95
Cutting Equipment					231.75
Total per month					<u>\$26,463</u>
	26,462.65	/	176	hours per month =	150.36
Cost per man hour			\$150.36 / 8	=	\$18.79
Plus: amount for small tools					1.00
Total Cost per man hour					<u>\$19.79</u>

SCHERER DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$42.30
Equipment	19.79
Total	<u>\$62.10</u>
 Rounded	 <u>\$62.00</u>
 For Concrete demolition add \$5.00 per hour additional equipment charge.	 <u>\$67.00</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)	\$62.00	2.50 MH / Ton	\$155.00 / Ton
Heavy Steel (2)	\$62.00	3.30 MH / Ton	\$204.60 / Ton
General Steel	\$62.00	4.40 MH / Ton	\$272.80 / Ton
Light Steel	\$62.00	7.10 MH / Ton	\$440.20 / Ton
Concrete	\$67.00	0.48 MH / CY	\$32.16 / CY
Reinforced Concrete	\$67.00	1.20 MH / CY	\$80.40 / CY
Copper-Elect. Cable & Generator Leads &	\$62.00	12.00 MH / Ton	\$744.00 / Ton
Copper - Generator	\$62.00	9.80 MH / Ton	\$607.60 / Ton
Copper - Transformer	\$62.00	7.40 MH / Ton	\$458.80 / Ton
General Insulation	\$62.00	1.00 MH / CY	\$62.00 / CY
Inground Pipe-Metal(3)	\$62.00	6.00 MH / Ton	\$372.00 / Ton
Concrete Pipe	\$67.00	4.60 MH / Ton	\$308.20 / CY

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

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Swift Creek Landfill. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of \$29.00/ton, and the haul rate, \$185 per haul (including driver) were provided by Southland Waste Systems of Macon, Georgia.

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

SCHERER DISMANTLEMENT STUDY

Concrete

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

Truck Cost	\$185.00 / haul	X	1 haul	=	\$185.00
Tipping Fees	\$29.00 / ton	X	30.5 tons	=	884.50
Total Cost per round Trip					<u>\$1,069.50</u>

Cost per Cubic Yard	\$1,069.50 / 15.38 cubic yards =	\$69.54
Plus 10% contractor profit		<u>6.95</u>
Total Cost per Cubic Yard		<u>\$76.49</u>

Rounded Cost per Cubic Yard \$76.00

Insulation - Calcium Silicate (Non-Hazardous)

A trailer with a 40 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 40 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 40 cubic yards times .060750 tons/cubic yard = 2.43 tons. (The dumpster charge is the same regardless of whether capacity is 20, 30 or 40 CY.)

Dumpster Charge	\$185.00 / haul	X	1 haul	=	\$185.00
Tipping Fees	\$29.00 / ton	X	2.43 tons	=	70.47
Total Cost per round Trip					<u>\$255.47</u>

Cost per Cubic Yard	\$255.47 / 36 cubic yards =	\$7.10
Plus 10% contractor profit		<u>0.71</u>
Total Cost per Cubic Yard		<u>\$7.81</u>

Rounded Cost per Cubic Yard \$8.00

SCHERER DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

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

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

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Construction Estimating Department are: FPL expenses of \$19,202 per month, both office and site, and contractor's expenses of \$23,885 per month. These expenses are to be incurred over the 24 month dismantlement period for the Scherer Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractor's expenses include field management, supervision, security, etc..

Site Management Expenses per month	\$43,087
Number of months	24
Total Site Management Expenses	<u>\$1,034,092</u>

Intake & Discharge Backfill

FPL's Power Generation Department (PGD) developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 for the intake and 1,120 cubic yards for the discharge will need to be filled. FPL's Construction Estimating Department has updated the costs. The cost for the intake is \$39,120. The cost for the discharge is \$31,130 making a total cost of:

<u>\$70,250</u>

SCHERER DISMANTLEMENT STUDY

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by FPL's Power Generation Division has been updated by the Construction Estimating Department. The cost factor is \$56,186 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Scherer Acreage to be graded and seeded	900.00
Cost Factor	<u>\$56,186</u>
Total Grading and Seeding Expense	<u><u>\$50,567,679</u></u>

Ash Pond

Common to Scherer Units 1 - 4 is a 490 acre ash pond. Georgia Power Corporation has estimated the cost of activities associated with removing this pond as follows: Georgia Power has not updated the estimate since developing this analysis.

<u>Description</u>	
Ash Consolidation to 49 acres	\$8,447,880
Multi-layer Subtitle D Cap/18" clay cap	8,359,082
Design and Engineering	112,513
Site Suitability Study	63,333
Well Installation	80,667
Annual Maintenance	515,000
Groundwater Monitoring (20 wells)	<u>1,632,498</u>
Total Cost to dismantle Ash Pond	<u><u>\$19,210,973</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 Scherer, the following cost estimates have been identified:

<u>Description</u>	<u>Amount</u>
Asbestos [see Unit 4 detail]	<u>\$8,683,391</u>
Special Waste	<u>4,307,982</u>
Total	<u><u>\$12,991,373</u></u>

SCHERER DISMANTLEMENT STUDY

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
SCHERER SITE COMMON										
(SUPPORTING UNITS 1 THROUGH 4)										
FERC Account 311										
Structures & Improvements										
Ponds										
Concrete - Spillway	CY	1	696.0	696.0	80.40	55,958	76.00	52,896	0.00	0
Subtotal						55,958		52,896		0
Ash Disposal Pond:										
Concrete - Spillway	CY	1	285.0	285.0	80.40	22,914	76.00	21,660	0.00	0
Subtotal						22,914		21,660		0
Maintenance Equipment Storage House										
Substructure Concrete	CY	1	84.0	84.0	80.40	6,754	76.00	6,384	0.00	0
Structural Steel	TN	1	15.0	15.0	204.60	3,069	0.00	0	120.00	1,800
Metal Siding	TN	1	1.1	1.1	440.20	484	0.00	0	120.00	132
Subtotal						10,307		6,384		1,932
Water Treatment Building										
Substructure Concrete	CY	1	3,400.0	3,400.0	80.40	273,360	76.00	258,400	0.00	0
Structural Steel	TN	1	220.0	220.0	204.60	45,012	0.00	0	120.00	26,400
Metal Siding	TN	1	16.0	16.0	440.20	7,043	0.00	0	120.00	1,920
Metal Wall Panel	TN	1	14.6	14.6	440.20	6,427	0.00	0	120.00	1,752
Masonry - Concrete Block	CY	1	200.0	200.0	32.16	6,432	76.00	15,200	0.00	0
Roof - Precast Concrete Roof Decking	CY	1	206.0	206.0	32.16	6,625	76.00	15,656	0.00	0
Other Superstructure Concrete	CY	1	450.0	450.0	32.16	14,472	76.00	34,200	0.00	0
Subtotal						359,371		323,456		30,072
Training Building										
Substructure Concrete	CY	1	230.0	230.0	80.40	18,492	76.00	17,480	0.00	0
Structural Steel	TN	1	40.0	40.0	204.60	8,184	0.00	0	120.00	4,800
Subtotal						26,676		17,480		4,800
Hydrogen House										
Substructure Concrete	CY	1	183.0	183.0	80.40	14,713	76.00	13,908	0.00	0
Precast Concrete Wall Panel	CY	1	223.3	223.3	32.16	7,181	76.00	16,971	0.00	0
Masonry - Concrete Block	CY	1	273.3	273.3	32.16	8,789	76.00	20,771	0.00	0
Roof - Precast Concrete Roof Decking	CY	1	217.8	217.8	32.16	7,004	76.00	16,553	0.00	0
Subtotal						37,687		68,203		0
Precipitator Control House										
Substructure Concrete	CY	1	611.0	611.0	80.40	49,124	76.00	46,436	0.00	0
Subtotal						49,124		46,436		0
Fire Protection Building										
Substructure Concrete - Valve House	CY	1	246.0	246.0	80.40	19,778	76.00	18,696	0.00	0
Substructure Concrete - Building #1	CY	1	261.0	261.0	80.40	20,984	76.00	19,836	0.00	0
Substructure Concrete - Building #2	CY	1	108.0	108.0	80.40	8,683	76.00	8,208	0.00	0
Masonry Block Building #1 & #2	CY	1	518.7	518.7	32.16	16,681	76.00	39,421	0.00	0

SCHERER DISMANTLEMENT STUDY

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
Precast Roof Panel - Building #1 & #2	CY	1	4.1	4.1	32.16	132	76.00	311	0.00	0
Subtotal						66,258		86,472		0
Service Water Chlorine House										
Substructure Concrete	CY	1	186.0	186.0	80.40	14,954	76.00	14,136	0.00	0
Structural Steel	TN	1	22.0	22.0	204.60	4,501	0.00	0	120.00	2,640
Subtotal						19,455		14,136		2,640
Security Building										
Precast Concrete Wall Panel	CY	1	137.8	137.8	32.16	4,432	76.00	10,473	0.00	0
Masonry - Concrete Block	CY	1	141.7	141.7	32.16	4,557	76.00	10,769	0.00	0
Precast Concrete Roof Decking	CY	1	80.6	80.6	32.16	2,592	76.00	6,126	0.00	0
Subtotal						11,581		27,368		0
Well Pump House										
Substructure Concrete - Well Pump House	CY	1	22.0	22.0	80.40	1,769	76.00	1,672	0.00	0
Substructure Concrete - Pump House #2	CY	1	9.0	9.0	80.40	724	76.00	684	0.00	0
Structural Steel - Well Pump House	TN	1	3.0	3.0	204.60	614	0.00	0	120.00	360
Structural Steel - Pump House #2	TN	1	1.0	1.0	204.60	205	0.00	0	120.00	120
Precast Wall Panel - Well Pump	TN	1	100.0	100.0	440.20	44,020	0.00	0	0.00	0
Precast Roof - Well Pump House	CY	1	31.1	31.1	32.16	1,000	76.00	2,364	0.00	0
Concrete - Roof - Pump House #2	CY	1	2.0	2.0	32.16	64	76.00	152	0.00	0
Metal Siding - Pump House #2	TN	1	270.0	270.0	440.20	118,854	0.00	0	120.00	32,400
Subtotal						167,250		4,872		32,880
Lube Oil Storage House										
Substructure Concrete	CY	1	56.0	56.0	80.40	4,502	76.00	4,256	0.00	0
Structural Steel	TN	1	26.0	26.0	204.60	5,320	0.00	0	120.00	3,120
Precast Concrete Wall Panel	CY	1	146.7	146.7	32.16	4,718	76.00	11,149	0.00	0
Masonry - Concrete Block	CY	1	204.4	204.4	32.16	6,574	76.00	15,534	0.00	0
Precast Concrete Roof Decking	CY	1	63.1	63.1	32.16	2,029	76.00	4,796	0.00	0
Subtotal						23,143		35,735		3,120
Waste Water Control House										
Architectural Work:										
Masonry Block - House #1	CY	1	54.4	54.4	32.16	1,750	76.00	4,134	0.00	0
Masonry Block - House #2	CY	1	54.4	54.4	32.16	1,750	76.00	4,134	0.00	0
Precast Roof Panel - House #1	CY	1	35.6	35.6	32.16	1,145	76.00	2,706	0.00	0
Precast Roof Panel - House #2	CY	1	35.6	35.6	32.16	1,145	76.00	2,706	0.00	0
Subtotal						5,790		13,680		0
Air Compressor House										
Substructure Concrete	CY	1	50.0	50.0	80.40	4,020	76.00	3,800	0.00	0
Structural Steel	TN	1	12.0	12.0	204.60	2,455	0.00	0	120.00	1,440
Subtotal						6,475		3,800		1,440
River Intake Switchgear Building										
Substructure Concrete	CY	1	50.0	50.0	80.40	4,020	76.00	3,800	0.00	0
Structural Steel	TN	1	9.0	9.0	204.60	1,841	0.00	0	120.00	1,080
Masonry - Concrete Block	CY	1	33.3	33.3	32.16	1,071	76.00	2,531	0.00	0

SCHERER DISMANTLEMENT STUDY

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
Precast Concrete Wall Panel	CY	1	90.0	90.0	32.16	2,894	76.00	6,840	0.00	0
Precast Concrete Roof Decking	CY	1	57.2	57.2	32.16	1,840	76.00	4,347	0.00	0
Subtotal						11,666		17,518		1,080
Nitrogen Storage Pad										
Substructure Concrete	CY	1	4.0	4.0	80.40	322	76.00	304	0.00	0
Subtotal						322		304		0
Sewage Treatment Facility										
Collection System Piping Concrete	CY	1	24.0	24.0	80.40	1,930	76.00	1,824	0.00	0
Subtotal						1,930		1,824		0
Utility Trench Concrete	CY	1	103.0	103.0	80.40	8,281	76.00	7,828	0.00	0
Waste Water Treatment System										
Concrete - Chemical Waste Basin	CY	1	440.0	440.0	80.40	35,376	76.00	33,440	0.00	0
Subtotal						35,376		33,440		0
Foundation:										
Concrete - Waste Water Basins	CY	1	1,275	1,275.0	80.40	102,510	76.00	96,900	0.00	0
Subtotal						102,510		96,900		0
Security Guard House										
Substructure Concrete	CY	1	43.0	43.0	80.40	3,457	76.00	3,268	0.00	0
Subtotal						3,457		3,268		0
Water Treatment Chlorine Storage House										
Structural Steel	TN	1	17.0	17.0	204.60	3,478	0.00	0	120.00	2,040
Precast Concrete Roof Decking	CY	1	69.4	69.4	32.16	2,232	76.00	5,274	0.00	0
Subtotal						5,710		5,274		2,040
Total Account 311						1,031,241		888,934		80,004
FERC Account 312										
Boiler Plant Equipment										
Auxiliary Boiler System										
Foundation Concrete	CY	1	20	20	80.40	1,608	76.00	1,520	0.00	0
Boiler	TN	2	328	656	204.60	134,218	0.00	0	120.00	78,720
Subtotal						135,826		1,520		78,720
Feedwater System:										
Pump	TN	3	23	69	272.80	18,823	0.00	0	120.00	8,280
4" Pipe	TN	1	2	2	272.80	546	0.00	0	120.00	240
Subtotal						19,369		0		8,520
Steam Distrib. System										
Piping - less than 4"	TN	1	3	3	272.80	818	0.00	0	120.00	360
8" Pipe	TN	1	5	5	272.80	1,364	0.00	0	120.00	600
10" Pipe	TN	1	14	14	272.80	3,819	0.00	0	120.00	1,680
14" Pipe	TN	1	85	85	272.80	23,188	0.00	0	120.00	10,200
16" Pipe	TN	1	4	4	272.80	1,091	0.00	0	120.00	480
Subtotal						30,280		0		13,320

SCHERER DISMANTLEMENT STUDY

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
Coal Handling System										
Unloading Conveyors	TN	1	26	26	272.80	7,093	0.00	0	120.00	3,120
Conveyor Motors	TN	4	0	1	272.80	327	0.00	0	120.00	144
Structural Steel - Conveyor S1	TN	1	91	91	204.60	18,619	0.00	0	120.00	10,920
Structural Steel - Conveyor S2	TN	1	91	91	204.60	18,619	0.00	0	120.00	10,920
Metal Siding - Conveyor S1	TN	1	7	7	440.20	3,081	0.00	0	120.00	840
Metal Siding - Conveyor S2	TN	1	5	5	440.20	2,201	0.00	0	120.00	600
Metal Roofing - Conveyor S1	TN	1	6	6	440.20	2,641	0.00	0	120.00	720
Metal Roofing - Conveyor S2	TN	1	6	6	440.20	2,641	0.00	0	120.00	720
Foundation Concrete - Conveyor S1	CY	1	226	226	80.40	18,170	76.00	17,176	0.00	0
Foundation Concrete - Conveyor S2	CY	1	226	226	80.40	18,170	76.00	17,176	0.00	0
Tunnel - Conveyor S1	TN	1	470	470	272.80	128,216	0.00	0	120.00	56,400
Tunnel - Conveyor S2	TN	1	470	470	272.80	128,216	0.00	0	120.00	56,400
Conveyor Concrete - Superstructure (S1)	CY	1	26	26	80.40	2,090	76.00	1,976	0.00	0
Conveyor Concrete - Superstructure (S2)	CY	1	26	26	80.40	2,090	76.00	1,976	0.00	0
Conveyor S1	TN	1	15	15	272.80	4,092	0.00	0	120.00	1,800
Conveyor S2	TN	1	15	15	272.80	4,092	0.00	0	120.00	1,800
Motor	TN	2	3	5	272.80	1,364	0.00	0	120.00	600
Conveyor to Crshr Hse Concrete - Tunnel	CY	1	795	795	80.40	63,918	76.00	60,420	0.00	0
Subtotal						425,640		98,724		144,984
Coal Storage Area										
Unburned Coal	CY	1	35,000	35,000	0.00	0	5.00	175,000	0.00	0
Concrete - Pump Structure	CY	1	235	235	80.40	18,894	76.00	17,860	0.00	0
Concrete - Drainage Channel	CY	1	6,400	6,400	80.40	514,560	76.00	486,400	0.00	0
Concrete - Storage Pond	CY	1	5,635	5,635	80.40	453,054	76.00	428,260	0.00	0
Car Unloading Area Foundation Concrete	CY	1	10,920	10,920	80.40	877,968	76.00	829,920	0.00	0
Structural Metal - Grating	TN	1	50	50	272.80	13,640	0.00	0	120.00	6,000
Subtotal						1,878,116		1,937,440		6,000
Reclaim System										
Hopper & Tunnel Structure - Concrete	CY	1	1,070	1,070	80.40	86,028	76.00	81,320	0.00	0
Hopper & Frestle Concrete	CY	1	2,825	2,825	80.40	227,130	76.00	214,700	0.00	0
Tunnel - Concrete	CY	1	752	752	80.40	60,461	76.00	57,152	0.00	0
Structural Metal - Support Steel	TN	1	21	21	204.60	4,297	0.00	0	120.00	2,520
Reclaim Conveyor	LF	1	232	232	272.80	63,290	0.00	0	120.00	27,840
Motor	TN	2	1	2	272.80	546	0.00	0	120.00	240
Subtotal						441,752		353,172		30,600
Coal Handling Service Building										
Substructure Concrete - Building Found.	CY	1	1,273	1,273	80.40	102,348	76.00	96,748	0.00	0
Concrete - Paving	CY	1	2,050	2,050	80.40	164,820	76.00	155,800	0.00	0
Concrete - Ramp	CY	1	205	205	80.40	16,482	76.00	15,580	0.00	0
Structural Steel	TN	1	161	161	204.60	32,941	0.00	0	120.00	19,320
Precast Concrete Roof Decking	CY	1	903	903	32.16	29,050	76.00	68,651	0.00	0
Concrete - Roof	CY	1	229	229	32.16	7,365	76.00	17,404	0.00	0
Metal Siding	TN	1	16	16	440.20	7,043	0.00	0	120.00	1,920
Subtotal						360,050		354,183		21,240

SCHERER DISMANTLEMENT STUDY

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
Coal Handling Control House										
Substructure Concrete	CY	1	107	107	80.40	8,603	76.00	8,132	0.00	0
Structural Steel	TN	1	39	39	272.80	10,639	0.00	0	120.00	4,680
Superstructure - Concrete	CY	1	36	36	80.40	2,894	76.00	2,736	0.00	0
Superstructure - Metal Siding	TN	1	6	6	440.20	2,514	0.00	0	120.00	685
Subtotal						24,650		10,868		5,365
Fuel Handling Railroad										
Trestles - Structural Steel	TN	1	995	995	204.60	203,577	0.00	0	120.00	119,400
Trestles - Concrete Abutment	CY	1	117	117	80.40	9,407	76.00	8,892	0.00	0
Trestles - Concrete Bents	CY	1	1,550	1,550	80.40	124,620	76.00	117,800	0.00	0
Grating	TN	1	50	50	272.80	13,640	0.00	0	120.00	6,000
Subtotal						351,244		126,692		125,400
Wet Ash Handling System - Transport System										
Supports - Concrete	CY	1	425	425	80.40	34,170	76.00	32,300	0.00	0
Piping - Grating	TN	1	80	80	272.80	21,824	0.00	0	120.00	9,600
Piping - Trench Concrete	CY	1	2,800	2,800	80.40	225,120	76.00	212,800	0.00	0
Subtotal						281,114		245,100		9,600
Control Air System										
Air Distrib System - Less than 4" Pipe	TN	1	34	34	272.80	9,275	0.00	0	120.00	4,080
Subtotal						9,275		0		4,080
Service Water System										
Service Water Pumping Substruct Concrete	CY	1	456	456	80.40	36,662	76.00	34,656	0.00	0
Masonry Wall	CY	1	25	25	32.16	804	76.00	1,900	0.00	0
Precast Concrete Roof Decking	CY	1	9	9	32.16	286	76.00	676	0.00	0
Less than 4" Pipe	TN	1	12	12	272.80	3,274	0.00	0	120.00	1,440
4" Pipe	TN	1	8	8	272.80	2,182	0.00	0	120.00	960
6" Pipe	TN	1	40	40	272.80	10,912	0.00	0	120.00	4,800
8" Pipe	TN	11	50	550	272.80	150,040	0.00	0	120.00	66,000
12" Pipe	TN	1	14	14	272.80	3,819	0.00	0	120.00	1,680
16" Pipe	TN	1	5	5	272.80	1,364	0.00	0	120.00	600
Subtotal						209,343		37,232		75,480
Chemical Waste Treatment System										
Sedimentation Tank	TN	6	4	23	272.80	6,220	0.00	0	120.00	2,736
Filtration Pump	TN	4	2	9	272.80	2,510	0.00	0	120.00	1,104
Subtotal						8,730		0		3,840
Total Account 312						4,175,389		3,164,931		527,149
FERC Account 314										
Turbogenerator Units										
Cooling Water System										
Cooling Water Dischrge Structure Concr	CY	1	810	810	80.40	65,124	76.00	61,560	0.00	0
Subtotal						65,124		61,560		0
Storage Water Intake Structure:										
Concrete	CY	1	948	948	80.40	76,219	76.00	72,048	0.00	0
Concrete - Deflector Wall	CY	1	144	144	32.16	4,631	76.00	10,944	0.00	0

SCHERER DISMANTLEMENT STUDY

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
Concrete - Superstructure	CY	1	325	325	32.16	10,452	76.00	24,700	0.00	0
Grating	TN	1	11	11	272.80	3,001	0.00	0	120.00	1,320
Structural Steel	TN	1	17	17	204.60	3,478	0.00	0	120.00	2,040
Subtotal						97,781		107,692		3,360
Storage Water Supply System										
Pump	TN	4	5	18	272.80	4,910	0.00	0	120.00	2,160
Motor	TN	4	11	44	272.80	12,112	0.00	0	120.00	5,328
Subtotal						17,022		0		7,488
Storage Pond Intake Structure										
Intake Structure Concrete	CY	1	53	53	80.40	4,261	76.00	4,028	0.00	0
Grating	TN	1	3	3	272.80	818	0.00	0	120.00	360
Subtotal						5,079		4,028		360
Lifting System										
Overhead Crane	TN	1	198	198	204.60	40,511	0.00	0	120.00	23,760
Subtotal						40,511		0		23,760
Total Account 314						225,517		173,280		34,968
FERC Account 315										
Accessory Electrical Equipment										
A.C. System - 4kv										
Distribution System Switchgear Frame	TN	8	1	8	272.80	2,182	0.00	0	120.00	960
Total Account 315						2,182		0		960
FERC Account 316										
Miscellaneous Plant Equipment										
Station Maintenance Equipment	TN	1	0.50	0.5	272.80	136	0.00	0	120.00	60
Station Test Equipment	TN	1	0.50	0.5	272.80	136	0.00	0	120.00	60
Machine Shop Equipment	TN	1	0.50	0.5	272.80	136	0.00	0	120.00	60
Station Stores Equipment	TN	1	0.50	0.5	272.80	136	0.00	0	120.00	60
Training Equipment	TN	1	0.50	0.5	272.80	136	0.00	0	120.00	60
Plant Furnishings	TN	1	0.50	0.5	272.80	136	0.00	0	120.00	60
Site Support Mobile Equipment	TN	1	0.50	0.5	272.80	136	0.00	0	120.00	60
Total Account 316						952		0		420
TOTAL SCHERER SITE COMMON (SUPPORTING UNITS 1 THROUGH 4)						5,435,281		4,227,145		643,501
SCHERER UNITS 3 & 4 COMMON										
FERC Account 311										
Structures & Improvements										
Emergency Generator Building										
Substructure Concrete	CY	1	104.0	104.0	80.40	8,362	76.00	7,904	0.00	0
Structural Steel	TN	1	17.0	17.0	204.60	3,478	0.00	0	120.00	2,040
Metal Siding	TN	1	2,350.0	1.2	440.20	517	0.00	0	120.00	141
Insulation	CY	1	125.0	125.0	62.00	7,750	8.00	1,000	0.00	0

SCHERER DISMANTLEMENT STUDY

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
Masonry - Concrete Block	CY	1	136.7	136.7	32.16	4,396	76.00	10,389	0.00	0
Roof - Precast Concrete Roof Decking	CY	1	170.0	170.0	32.16	5,467	76.00	12,920	0.00	0
Subtotal						29,970		32,213		2,181
Substructure Concrete - House #1	CY	1	187.0	187.0	80.40	15,035	76.00	14,212	0.00	0
Substructure Concrete - House #2	CY	1	187.0	187.0	80.40	15,035	76.00	14,212	0.00	0
Structural Steel - House #1	TN	1	27.0	27.0	204.60	5,524	0.00	0	120.00	3,240
Structural Steel - House #2	TN	1	27.0	27.0	204.60	5,524	0.00	0	120.00	3,240
Masonry Block - House #1	CY	1	245.0	245.0	32.16	7,879	76.00	18,620	0.00	0
Masonry Block - House #2	CY	1	215.6	215.6	32.16	6,934	76.00	16,386	0.00	0
Insulation	CY	1	100.0	100.0	62.00	6,200	8.00	800	0.00	0
Precast Wall Panel - House #1	CY	1	173.1	173.1	32.16	5,567	76.00	13,156	0.00	0
Precast Wall Panel - House #2	CY	1	173.1	173.1	32.16	5,567	76.00	13,156	0.00	0
Precast Roof Panel - House #1	CY	1	164.4	164.4	32.16	5,287	76.00	12,494	0.00	0
Precast Roof Panel - House #2	CY	1	164.4	164.4	32.16	5,287	76.00	12,494	0.00	0
Subtotal						83,839		115,530		6,480
Chem Wst Trtmnt Contr Hse										
Substr Concrete	CY	1	12.0	12.0	80.40	965	76.00	912	0.00	0
Subtotal						965		912		0
Total Account 311						114,774		148,655		8,661
FERC Account 312										
Boiler Plant Equipment										
Lighter Oil System										
Fuel Supply Facilities, Lighter Oil System										
Fuel Supply Facils Foundation Concrete	CY	1	182.0	182.0	80.40	14,633	76.00	13,832	0.00	0
Fuel Storage Facils Foundation Concrete	CY	1	182.0	182.0	80.40	14,633	76.00	13,832	0.00	0
Subtotal						29,266		27,664		0
Fuel Storage Facilities										
Foundation	CY	1	50.0	50.0	80.40	4,020	76.00	3,800	0.00	0
Retaining Enclosure - Concrete	CY	1	630.0	630.0	80.40	50,652	76.00	47,880	0.00	0
Tank Demolition	TN	2	7.0	14.0	n/a	50,000	0.00	0	120.00	1,680
Soil Remediation					n/a	0	n/a	148,666	0.00	0
Clean Tank (11,900 bbl capacity)	BBL	2	1.0	2.0	n/a	0	n/a	13,000	0.00	0
Subtotal						104,672		213,346		1,680
Stack										
Subfoundation, Stack	CY	1	20,000.0	20,000.0	80.40	1,608,000	76.00	1,520,000	0.00	0
Concrete	CY	1	8,300.0	8,300.0	80.40	667,320	76.00	630,800	0.00	0
Steel Liner	TN	1	220.0	220.0	272.80	60,016	0.00	0	120.00	26,400
Subtotal						2,335,336		2,150,800		26,400
Coal Handling Switchgear House										
Subfound Wrk, Cl Hndlg Switchgear House										
Substructure Concrete	CY	1	195.0	195.0	80.40	15,678	76.00	14,820	0.00	0
Structural Steel	TN	1	22.0	22.0	272.80	6,002	0.00	0	120.00	2,640
Superstructure - Metal Siding	TN	1	3.6	3.6	440.20	1,604	0.00	0	120.00	437
Subtotal						23,284		14,820		3,077

SCHERER DISMANTLEMENT STUDY

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
Treated Water System										
Raw Water Supply Pump	TN	4	15.0	60.0	272.80	16,368	0.00	0	120.00	7,200
Water Treatment System - Tank	TN	1	9.0	9.0	272.80	2,455	0.00	0	120.00	1,080
4" Pipe	TN	1	14.0	14.0	272.80	3,819	0.00	0	120.00	1,680
Subtotal						22,642		0		9,960
Chemical Storage Facilities:										
Tank Foundation Concrete	CY	1	320.0	320.0	80.40	25,728	76.00	24,320	0.00	0
Retaining Wall Concrete	CY	1	24.0	24.0	80.40	1,930	76.00	1,824	0.00	0
Less than 4" Pipe	TN	1	49.0	49.0	272.80	13,367	0.00	0	120.00	5,880
Subtotal						41,025		26,144		5,880
Condensate Storage & Transfer:										
Tank Foundation Concrete	CY	1	108.0	108.0	80.40	8,683	76.00	8,208	0.00	0
Tank	TN	4	60.0	240.0	272.80	65,472	0.00	0	120.00	28,800
Piping - Trench Concrete	CY	1	120.0	120.0	80.40	9,648	76.00	9,120	0.00	0
Pump	TN	4	1.8	7.2	272.80	1,964	0.00	0	120.00	864
Water Treatment Pump	TN	4	1.5	6.0	272.80	1,637	0.00	0	120.00	720
Water Treatment Tank	TN	2	6.5	13.0	272.80	3,546	0.00	0	120.00	1,560
Subtotal						90,950		17,328		31,944
Filtered Water System										
Supply system Piping:										
Less than 4" Pipe	TN	1	4.0	4.0	272.80	1,091	0.00	0	120.00	480
4" Pipe	TN	1	6.0	6.0	272.80	1,637	0.00	0	120.00	720
6" Pipe	TN	1	18.0	18.0	272.80	4,910	0.00	0	120.00	2,160
Subtotal						7,638		0		3,360
Filtered Water Storage System:										
Foundation Concrete	CY	1	50.0	50.0	80.40	4,020	76.00	3,800	0.00	0
Tank	TN	1	52.0	52.0	272.80	14,186	0.00	0	120.00	6,240
Subtotal						18,206		3,800		6,240
Total Account 312						2,673,019		2,453,902		88,541
FERC Account 314										
Turbogenerator Equipment										
Lube Oil System										
Oil Storage Tank		2	14.0	28.0	n/a	5,000	n/a	0	120.00	3,360
Soil Remediation		1			n/a	0	n/a	2,262		
Tank Cleaning		1			n/a	0	n/a	4,480		
Oil Storage Tank Foundation Concrete		1	64.0	64.0	n/a	5,513	n/a	0	0.00	0
Subtotal						10,513		6,742		3,360
Total Account 314						10,513		6,742		3,360
TOTAL SCHERER UNITS 3 & 4 COMMON						2,798,306		2,609,299		100,562

SCHERER DISMANTLEMENT STUDY

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
SCHERER UNIT 4										
FERC Account 311										
Structures & Improvements										
Architectural										
Grating	TN	1	95.0	95.0	272.80	25,916	0.00		120.00	11,400
Masonry Block - MCC Room	CY	1	31.2	31.2	32.16	1,003	76.00	2,371	0.00	0
Masonry Block - Battery Room	CY	1	49.3	49.3	32.16	1,585	76.00	3,747	0.00	0
Metal Panel - Operator Floor	CY	1	5.5	5.5	440.20	2,421	0.00	0	120.00	660
Metal Panel - Switchgear Room	CY	1	8.5	8.5	440.20	3,742	0.00	0	120.00	1,020
Insulation	CY	1	200.0	200.0	62.00	12,400	8.00	1,600	0.00	0
Superstructure - Concrete Roof	CY	1	586.0	586.0	32.16	18,846	76.00	44,536	0.00	0
Subtotal						65,913		52,254		13,080
Fire Protection System - Piping	TN	1	12.0	12.0	272.80	3,274	0.00		120.00	1,440
Steam Generator Building										
Grating	TN	1	920.0	920.0	440.20	404,984	0.00	0	120.00	110,400
Masonry Block - Restrooms	CY	1	32.2	32.2	32.16	1,036	76.00	2,447	0.00	0
Metal Panel - Compressor Room	TN	1	3.7	3.7	440.20	1,629	0.00	0	120.00	444
Metal Panel - Elevator Encl	TN	1	16.9	16.9	440.20	7,439	0.00	0	120.00	2,028
Metal Panel - Water Analysis Room	TN	1	5.2	5.2	440.20	2,289	0.00	0	120.00	624
Metal Panel - Operator FI Encl	TN	1	3.5	3.5	440.20	1,541	0.00	0	120.00	420
Metal Panel - Air Compr Room	TN	1	5.3	5.3	440.20	2,333	0.00	0	120.00	636
Accoustical Panel - Fan Room	TN	1	12.1	12.1	440.20	5,326	0.00	0	120.00	1,452
Insulation	CY	1	250.0	250.0	62.00	15,500	8.00	2,000	0.00	0
Metal Panel - HVAC Room	TN	1	4.3	4.3	440.20	1,893	0.00	0	120.00	516
Metal Panel - MCC Room	TN	1	1.2	1.2	440.20	528	0.00	0	120.00	144
Subtotal						444,498		4,447		116,664
Superstructure										
Metal Panel - Record Storage Room	TN	1	2.9	2.9	440.20	1,277	0.00	0	120.00	348
Metal Panel - LightingMCC Room	TN	1	0.9	0.9	440.20	396	0.00	0	120.00	108
Metal Panel - Tripper Room	TN	1	36.1	36.1	440.20	15,891	0.00	0	120.00	4,332
Metal Panel - Cable Spread Room	TN	1	7.4	7.4	440.20	3,257	0.00	0	120.00	888
Subtotal						20,821		0		5,676
Coal Bunker	TN	1	1,895.0	1,895.0	204.60	387,717	0.00	0	120.00	227,400
Superstructure Concrete										
Roof - Concrete	CY	1	1,520.0	1,520.0	32.16	48,883	76.00	115,520	0.00	0
Subtotal						48,883		115,520		0
Fire Protection System										
Less than 4" Pipe	TN	1	5.0	5.0	272.80	1,364	0.00	0	120.00	600
4" Pipe	TN	1	3.0	3.0	272.80	818	0.00	0	120.00	360
6" Pipe	TN	1	13.0	13.0	272.80	3,546	0.00	0	120.00	1,560
8" Pipe	TN	1	13.0	13.0	272.80	3,546	0.00	0	120.00	1,560
10" Pipe	TN	1	9.0	9.0	204.60	1,841	0.00	0	120.00	1,080
Subtotal						11,115		0		5,160

SCHERER DISMANTLEMENT STUDY

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
Environmental Monitoring Facility										
Concrete Substructure	CY	1	14.0	14.0	32.16	450	76.00	1,064		0
Subtotal						450		1,064		0
Total Account 311						982,671		173,285		369,420
FERG Account 312										
Boiler Plant Equipment										
Steam Generating System										
Boiler Enclosure										
Boiler	TN	1	14,506.0	14,506.0	204.60	2,967,928	0.00	0	120.00	1,740,720
Boiler Setting Insulation	CY	1	3,300.0	3,300.0	62.00	204,600	8.00	26,400	0.00	0
Air Heaters Casing	TN	1	1,122.0	1,122.0	272.80	306,082	0.00	0	120.00	134,640
Subtotal						3,478,610		26,400		1,875,360
Seal Air System:										
Seal Air System Fan	TN	2	35.0	70.0	272.80	19,096	0.00	0	120.00	8,400
Boiler Intake Ductwork	TN	1	800.0	800.0	272.80	218,240	0.00	0	120.00	96,000
Boiler Exhaust Ductwork	TN	1	845.0	845.0	272.80	230,516	0.00	0	120.00	101,400
Gas Recirculation Ductwork	TN	1	816.0	816.0	272.80	222,605	0.00	0	120.00	97,920
Gas Recircul. Fan	TN	1	46.0	46.0	272.80	12,549	0.00	0	120.00	5,520
Gas Recircul. Fan Drive	TN	1	12.0	12.0	272.80	3,274	0.00	0	120.00	1,440
Soot Blowers	TN	182	0.2	36.0	272.80	9,821	0.00	0	120.00	4,320
Subtotal						716,101		0		315,000
Boiler Water Circulating System										
Boiler Water Circulation Pump	TN	4	31.0	124.0	272.80	33,827	0.00	0	120.00	14,880
Subtotal						33,827		0		14,880
Pulverized Coal Firing System										
Boiler Burners	TN	9	0.5	4.5	272.80	1,228	0.00	0	120.00	540
Pulverizer	TN	9	23.0	207.0	204.60	42,352	0.00	0	120.00	24,840
Motor - 600 hp (7 ea) & 800 hp (2 ea)	TN	9	3.8	34.2	272.80	9,330	0.00	0	120.00	4,104
Foundation Concrete	CY	1	208.0	208.0	80.40	16,723	76.00	15,808	0.00	0
Coal Feeders	TN	9	5.0	45.0	204.60	9,207	0.00	0	120.00	5,400
Subtotal						78,840		15,808		34,884
Primary Air System:										
Primary Air Ductwork	TN	1	845.0	845.0	272.80	230,516	0.00	0	120.00	101,400
Fan	TN	2	66.0	132.0	272.80	36,010	0.00	0	120.00	15,840
Motor	TN	2	30.3	60.6	272.80	16,532	0.00	0	120.00	7,272
Foundation Concrete	CY	1	95.0	95.0	80.40	7,638	76.00	7,220	0.00	0
Coal Firing System Piping	TN	1	17.0	17.0	272.80	4,638	0.00	0	120.00	2,040
Coal Firing System Hoist	TN	19	26.0	494.0	272.80	134,763	0.00	0	120.00	59,280
Subtotal						430,097		7,220		185,832
Lighter Oil System										
Ignitors	TN	72	0.2	14.4	272.80	3,928	0.00	0	120.00	1,728
Fuel Supply Motor	TN	2	0.4	0.8	440.20	352	0.00	0	120.00	96
Piping	TN	1	7.0	7.0	440.20	3,081	0.00	0	120.00	840
Subtotal						7,361		0		2,664

SCHERER DISMANTLEMENT STUDY

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
Fuel Storage Facilities, Lighter Oil System										
Fuel Storage Pump	TN	2	1.5	3.0	440.20	1,321	0.00	0	120.00	360
Fuel Storage Piping - 3"	TN	1	3.0	3.0	440.20	1,321	0.00	0	120.00	360
Insulation	CY	1	100.0	100.0	62.00	6,200	8.00	800	0.00	0
Feedwater Motor	TN	1	9.9	9.9	272.80	2,701	0.00	0	120.00	1,188
Subtotal						11,543		800		1,908
Boiler Plant Equipment										
Blowdown Piping										
Blowdown Piping -Less than 4" Pipe	TN	1	14.0	14.0	440.20	6,163	0.00	0	120.00	1,680
Blowdown Piping -6" Pipe	TN	1	3.0	3.0	272.80	818	0.00	0	120.00	360
Blowdown Piping -12" Pipe	TN	1	6.0	6.0	204.60	1,228	0.00	0	120.00	720
Blowdown Piping -16" Pipe	TN	1	8.0	8.0	204.60	1,637	0.00	0	120.00	960
Insulation	CY	1	125.0	125.0	62.00	7,750	8.00	1,000	0.00	0
Blowdown Piping -24" Pipe	TN	1	30.0	30.0	204.60	6,138	0.00	0	120.00	3,600
Subtotal						23,734		1,000		7,320
Draft System										
Precipitators Foundation - Concrete	CY	4	185.0	740.0	80.40	59,496	76.00	56,240	0.00	0
Precipitators Drainage Slab - Concrete	CY	1	830.0	830.0	80.40	66,732	76.00	63,080	0.00	0
Precipitator	TN	4	1,915.0	7,660.0	204.60	1,567,236	0.00	0	120.00	919,200
Precipitator Structural Steel	TN	1	410.0	410.0	204.60	83,886	0.00	0	120.00	49,200
Precipitator Grating	TN	1	25.0	25.0	440.20	11,005	0.00	0	120.00	3,000
Forced Draft Fan Outlet Ductwork	TN	1	80.0	80.0	272.80	21,824	0.00	0	120.00	9,600
Forced Draft Fan Foundation	CY	1	25.0	25.0	80.40	2,010	76.00	1,900	0.00	0
Forced Draft Fan Support Steel	TN	1	150.0	150.0	204.60	30,690	0.00	0	120.00	18,000
Precip. Inlet Ductwork	TN	1	783.0	783.0	272.80	213,602	0.00	0	120.00	93,960
Precip. Foundation Support Steel	TN	1	200.0	200.0	204.60	40,920	0.00	0	120.00	24,000
Precip. Foundation Concrete	CY	1	200.0	200.0	80.40	16,080	76.00	15,200	0.00	0
Precip. Outlet Ductwork	TN	1	427.0	427.0	272.80	116,486	0.00	0	120.00	51,240
Precip. Ductwork Foundation - Concrete	CY	1	100.0	100.0	80.40	8,040	76.00	7,600	0.00	0
Precip. Ductwork Support Steel	TN	1	400.0	400.0	204.60	81,840	0.00	0	120.00	48,000
Induced Draft Ductwork	TN	1	684.0	684.0	272.80	186,595	0.00	0	120.00	82,080
ID Fan Ductwork Foundation - Concrete	CY	1	100.0	100.0	80.40	8,040	76.00	7,600	0.00	0
ID Fan Ductwork Fndtn - Support Steel	TN	1	531.0	531.0	204.60	108,643	0.00	0	120.00	63,720
Ductwork System Insulation	CY	1	450.0	450.0	62.00	27,900	8.00	3,600	0.00	0
Subtotal						2,651,025		155,220		1,362,000
Forced Draft Fans & Drives, Draft System										
Forced Draft Fans	TN	4	62.5	250.0	272.80	68,200	0.00	0	120.00	30,000
Forced Draft Fan Motors	TN	4	16.1	64.4	272.80	17,568	0.00	0	120.00	7,728
Forced Draft Fan Foundation - Concrete	CY	1	4.0	4.0	80.40	322	76.00	304	0.00	0
Subtotal						86,090		304		37,728
Induced Draft Fans										
Fans	TN	4	282.0	1,128.0	272.80	307,718	0.00	0	120.00	135,360
Induced Draft Fan Motors	TN	4	22.0	88.0	272.80	24,006	0.00	0	120.00	10,560
Subtotal						331,724		0		145,920
Transfer Conveyor										
Magnetic Separator	TN	1	3.0	3.0	204.60	614	0.00	0	120.00	360
Subtotal						614		0		360

SCHERER DISMANTLEMENT STUDY

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
Conveyor to Crusher House:										
Support Steel	TN	1	155.0	155.0	204.60	31,713	0.00	0	120.00	18,600
Conveyor Foundation - Concrete	CY	1	212.0	212.0	80.40	17,045	76.00	16,112	0.00	0
Conveyor - Concrete Superstructure	CY	1	84.0	84.0	32.16	2,701	76.00	6,384	0.00	0
Conveyor - Metal Roofing	TN	1	9.0	9.0	272.80	2,455	0.00	0	120.00	1,080
Conveyor - Metal Siding	TN	1	15.0	15.0	272.80	4,092	0.00	0	120.00	1,800
Conveyor - Motor	TN	1	1.6	1.6	272.80	436	0.00	0	120.00	192
Subtotal						58,442		22,496		21,672
Boiler Plant Equipment										
Conveyor to Powerhouse:										
Support Steel	TN	1	308.0	308.0	204.60	63,017	0.00	0	120.00	36,960
Conveyor - Metal Roofing	TN	1	12.0	12.0	272.80	3,274	0.00	0	120.00	1,440
Conveyor - Metal Siding	TN	1	20.0	20.0	272.80	5,456	0.00	0	120.00	2,400
Conveyor - Motor	TN	1	1.7	1.7	272.80	464	0.00	0	120.00	204
Subtotal						72,211		0		41,004
Tripper Conveyor:										
Motor	TN	3	1,562.0	4,686.0	272.80	1,278,341	0.00	0	120.00	562,320
Carriage	TN	1	2.0	2.0	272.80	546	0.00	0	120.00	240
Subtotal						1,278,887		0		562,560
Crushing System										
Crusher	TN	1	26.0	26.0	272.80	7,093	0.00	0	120.00	3,120
Crusher Motor	TN	1	9.4	9.4	272.80	2,564	0.00	0	5,000.00	47,000
Subtotal						9,657		0		50,120
Sampling System (Sampler & Control Instl)	TN	1	7.0	7.0	272.80	1,910	0.00		120.00	840
Coal Handling Motor Control House										
Substructure Concrete	CY	1	70.0	70.0	80.40	5,628	76.00	5,320	0.00	0
Structural Steel	TN	1	8.0	8.0	204.60	1,637	0.00	0	120.00	960
Roof Decking Concrete	CY	1	117.8	117.8	32.16	3,788	76.00	8,953	0.00	0
Wall Panel Concrete	CY	1	191.1	191.1	32.16	6,146	76.00	14,524	0.00	0
Subtotal						17,199		28,797		960
Coal Handling Crusher House										
Substructural Concrete	CY	1	295.0	295.0	80.40	23,718	76.00	22,420	0.00	0
Structural Steel	TN	1	194.0	194.0	204.60	39,692	0.00	0	120.00	23,280
Subtotal						63,410		22,420		23,280
Architectural Work - Superstructure:										
Masonry - Concrete Block	CY	1	161.1	161.1	32.16	5,181	76.00	12,244	0.00	0
Concrete	CY	1	85.0	85.0	32.16	2,734	76.00	6,460	0.00	0
Metal Siding	TN	1	12.0	12.0	272.80	3,274	0.00	0	120.00	1,440
Subtotal						11,189		18,704		1,440
Wet Ash Handling System										
Pyrite Hopper	TN	2	2.4	4.8	272.80	1,309	0.00	0	120.00	576
4" & 12" Pipe	TN	1	3.0	3.0	272.80	818	0.00	0	120.00	360
Subtotal						2,127		0		936

SCHERER DISMANTLEMENT STUDY

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
Boiler Bottom Ash Removal System:										
Clinker Grinder	TN	4	3.0	12.0	204.60	2,455	0.00	0	120.00	1,440
Piping - 4"	TN	1	4.0	4.0	272.80	1,091	0.00	0	120.00	480
Piping - 6"	TN	1	4.0	4.0	272.80	1,091	0.00	0	120.00	480
Piping - 8"	TN	1	30.0	30.0	272.80	8,184	0.00	0	120.00	3,600
Piping - Ash 10"	TN	1	24.0	24.0	204.60	4,910	0.00	0	120.00	2,880
Piping - 12"	TN	1	3.0	3.0	204.60	614	0.00	0	120.00	360
Air Separator & Tank	TN	1	2.0	2.0	272.80	546	0.00	0	120.00	240
Transport System - Pump	TN	6	15.2	91.2	272.80	24,879	0.00	0	120.00	10,944
Transport System - Motor	TN	6	5.2	31.2	272.80	8,511	0.00	0	120.00	3,744
Subtotal						52,281		0		24,168
Boiler Plant Equipment										
Sluice Water System										
Less than 4" Pipe	TN	1	8.0	8.0	272.80	2,182	0.00	0	120.00	960
4" Pipe	TN	1	7.0	7.0	272.80	1,910	0.00	0	120.00	840
6" Pipe	TN	1	8.0	8.0	272.80	2,182	0.00	0	120.00	960
10" Pipe	TN	1	13.0	13.0	204.60	2,660	0.00	0	120.00	1,560
12" Pipe	TN	1	5.0	5.0	204.60	1,023	0.00	0	120.00	600
Lifting System Motor	TN	2	1.1	2.2	272.80	600	0.00	0	120.00	264
Lifting System Hoist	TN	1	18.0	18.0	272.80	4,910	0.00	0	120.00	2,160
Subtotal						15,467		0		7,344
Control Air System:										
Air Dryer	TN	1	9.7	9.7	272.80	2,646	0.00	0	120.00	1,164
Compressor	TN	1	6.0	6.0	272.80	1,637	0.00	0	120.00	720
Subtotal						4,283		0		1,884
Air Distribution System - Piping:										
Less than 4" Pipe	TN	1	37.0	37.0	272.80	10,094	0.00	0	120.00	4,440
4" Pipe	TN	1	2.0	2.0	272.80	546	0.00	0	120.00	240
8" Pipe	TN	1	5.0	5.0	272.80	1,364	0.00	0	120.00	600
Subtotal						12,004		0		5,280
Plant Service Water System										
Plant Service Water Pump	TN	1	22.0	22.0	272.80	6,002	0.00	0	120.00	2,640
Motor	TN	1	14.4	14.4	272.80	3,928	0.00	0	120.00	1,728
Subtotal						9,930		0		4,368
Piping, Main line:										
Less than 4" Pipe	TN	1	3.0	3.0	272.80	818	0.00	0	120.00	360
4" Pipe	TN	1	6.0	6.0	272.80	1,637	0.00	0	120.00	720
6" Pipe	TN	1	18.0	18.0	272.80	4,910	0.00	0	120.00	2,160
Insulation	CY	1	100.0	100.0	62.00	6,200	8.00	800	0.00	0
10" Pipe	TN	1	12.0	12.0	204.60	2,455	0.00	0	120.00	1,440
12" Pipe	TN	1	4.0	4.0	204.60	818	0.00	0	120.00	480
16" Pipe	TN	1	5.0	5.0	204.60	1,023	0.00	0	120.00	600
Subtotal						17,861		800		5,760

SCHERER DISMANTLEMENT STUDY

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
Main Turbine Steam System										
Main Steam Piping:										
18" Pipe	TN	1	11.0	11.0	204.60	2,251	0.00	0	120.00	1,320
Insulation	CY	1	100.0	100.0	62.00	6,200	8.00	800	0.00	0
22" Pipe	TN	1	105.0	105.0	204.60	21,483	0.00	0	120.00	12,600
28" Pipe	TN	1	202.0	202.0	204.60	41,329	0.00	0	120.00	24,240
Subtotal						71,263		800		38,160
Hot Reheat Piping:										
32" Pipe	TN	1	224.0	224.0	204.60	45,830	0.00	0	120.00	26,880
Insulation	CY	1	100.0	100.0	62.00	6,200	8.00	800	0.00	0
42" Pipe	TN	1	193.0	193.0	204.60	39,488	0.00	0	120.00	23,160
Subtotal						91,518		800		50,040
Cold Reheat Piping:										
32 3/4" Pipe	TN	1	60.0	60.0	204.60	12,276	0.00	0	120.00	7,200
Insulation	CY	1	100.0	100.0	62.00	6,200	8.00	800	0.00	0
42" Pipe	TN	1	76.0	76.0	204.60	15,550	0.00	0	120.00	9,120
Subtotal						34,026		800		16,320
Main Steam Bypass System Piping:										
12" Pipe	TN	1	13.0	13.0	204.60	2,660	0.00	0	120.00	1,560
Insulation	CY	1	100.0	100.0	62.00	6,200	8.00	800	0.00	0
24" Pipe	TN	1	65.0	65.0	204.60	13,299	0.00	0	120.00	7,800
Subtotal						22,159		800		9,360
Extraction Steam System										
8" Pipe	TN	1	3.0	3.0	272.80	818	0.00	0	120.00	360
Insulation	CY	1	100.0	100.0	62.00	6,200	8.00	800	0.00	0
12" Pipe	TN	1	8.0	8.0	204.60	1,637	0.00	0	120.00	960
Subtotal						8,655		800		1,320
LP Heater Steam Piping:										
18" Pipe	TN	1	4.0	4.0	204.60	818	0.00	0	120.00	480
24" Pipe	TN	1	9.0	9.0	204.60	1,841	0.00	0	120.00	1,080
Insulation	CY	1	100.0	100.0	62.00	6,200	8.00	800	0.00	0
26" Pipe	TN	1	5.0	5.0	204.60	1,023	0.00	0	120.00	600
30" Pipe	TN	1	11.0	11.0	204.60	2,251	0.00	0	120.00	1,320
36" Pipe	TN	1	12.0	12.0	204.60	2,455	0.00	0	120.00	1,440
42" Pipe	TN	1	12.0	12.0	204.60	2,455	0.00	0	120.00	1,440
54" Pipe	TN	1	10.0	10.0	204.60	2,046	0.00	0	120.00	1,200
Subtotal						19,089		800		7,560
Soot Blower Steam Piping:										
Less than 4" Pipe	TN	1	2.0	2.0	272.80	546	0.00	0	120.00	240
Insulation	CY	1	100.0	100.0	62.00	6,200	8.00	800	0.00	0
4" Pipe	TN	1	21.0	21.0	272.80	5,729	0.00	0	120.00	2,520
6" Pipe	TN	1	7.0	7.0	272.80	1,910	0.00	0	120.00	840
Subtotal						14,385		800		3,600

SCHERER DISMANTLEMENT STUDY

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Air Heater Steam Piping:										
Less than 4" Pipe	TN	1	1.0	1.0	272.80	273	0.00	0	120.00	120
Insulation	CY	1	100.0	100.0	62.00	6,200	8.00	800	0.00	0
6" Pipe	TN	1	2.0	2.0	272.80	546	0.00	0	120.00	240
10" Pipe	TN	1	9.0	9.0	204.60	1,841	0.00	0	120.00	1,080
Subtotal						8,860		800		1,440
Deaerator Steam Piping:										
18" Pipe	TN	1	12.0	12.0	204.60	2,455	0.00	0	120.00	1,440
Insulation	CY	1	50.0	50.0	62.00	3,100	8.00	400	0.00	0
24" Pipe	TN	1	3.0	3.0	204.60	614	0.00	0	120.00	360
Subtotal						6,169		400		1,800
Turbine Gland Seal System Piping:										
Less than 4" Pipe	TN	1	1.0	1.0	272.80	273	0.00	0	120.00	120
4" Pipe	TN	1	4.0	4.0	272.80	1,091	0.00	0	120.00	480
Insulation	CY	1	50.0	50.0	62.00	3,100	8.00	400	0.00	0
18" Pipe	TN	1	12.0	12.0	204.60	2,455	0.00	0	120.00	1,440
24" Pipe	TN	1	3.0	3.0	204.60	614	0.00	0	120.00	360
Subtotal						7,533		400		2,400
Vent & Drain Systems										
Boiler Vent Piping:										
Less than 4" Pipe	TN	1	41.0	41.0	272.80	11,185	0.00	0	120.00	4,920
Insulation	CY	1	75.0	75.0	62.00	4,650	8.00	600	0.00	0
6" Pipe	TN	1	24.0	24.0	272.80	6,547	0.00	0	120.00	2,880
10" Pipe	TN	1	8.0	8.0	204.60	1,637	0.00	0	120.00	960
12" Pipe	TN	1	4.0	4.0	204.60	818	0.00	0	120.00	480
16" Pipe	TN	1	42.0	42.0	204.60	8,593	0.00	0	120.00	5,040
18" Pipe	TN	1	14.0	14.0	204.60	2,864	0.00	0	120.00	1,680
20" Pipe	TN	1	50.0	50.0	204.60	10,230	0.00	0	120.00	6,000
30" Pipe	TN	1	5.0	5.0	204.60	1,023	0.00	0	120.00	600
Subtotal						47,547		600		22,560
High Pressure Heater Vent & Drain System:										
6" Pipe	TN	1	7.0	7.0	272.80	1,910	0.00	0	120.00	840
Subtotal						1,910		0		840
Low Pressure Heater Vent & Drain System:										
Less than 4" Pipe	TN	1	27.0	27.0	272.80	7,366	0.00	0	120.00	3,240
Insulation	CY	1	75.0	75.0	62.00	4,650	8.00	600	0.00	0
6" Pipe	TN	1	4.0	4.0	272.80	1,091	0.00	0	120.00	480
8" Pipe	TN	1	3.0	3.0	272.80	818	0.00	0	120.00	360
10" Pipe	TN	1	4.0	4.0	204.60	818	0.00	0	120.00	480
12" Pipe	TN	1	17.0	17.0	204.60	3,478	0.00	0	120.00	2,040
Subtotal						18,221		600		6,600
Steam Vent And Drain System										
Steam Vent	TN	3	6.0	18.0	272.80	4,910	0.00	0	120.00	2,160
Subtotal						4,910		0		2,160

SCHERER DISMANTLEMENT STUDY

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
Condensate Vent & Drain System										
Condensate Vent Pipe - 6" [& 18"]	TN	1	7.0	7.0	272.80	1,910	0.00	0	120.00	840
Subtotal						1,910		0		840
Condensate System:										
Less than 4" Pipe	TN	1	11.0	11.0	272.80	3,001	0.00	0	120.00	1,320
6" Pipe	TN	1	32.0	32.0	272.80	8,730	0.00	0	120.00	3,840
10" Pipe	TN	1	2.0	2.0	204.60	409	0.00	0	120.00	240
14" Pipe	TN	1	4.0	4.0	204.60	818	0.00	0	120.00	480
16" Pipe	TN	1	59.0	59.0	204.60	12,071	0.00	0	120.00	7,080
20" Pipe	TN	1	29.0	29.0	204.60	5,933	0.00	0	120.00	3,480
24" Pipe	TN	1	2.0	2.0	204.60	409	0.00	0	120.00	240
36" Pipe	TN	1	5.0	5.0	204.60	1,023	0.00	0	120.00	600
Subtotal						32,394		0		17,280
Boiler Plant Piping System Insulation	CY	1	45	45.0	62.00	2,790	8.00	360	0.00	0
Low Pressure Heaters, Condensate System										
Low Pressure Heaters	TN	4	39.3	157.2	272.80	42,884	0.00	0	120.00	18,864
Subtotal						42,884		0		18,864
Deaerator & Tank, Condensate System										
Deaerator	TN	1	9.0	9.0	272.80	2,455	0.00	0	120.00	1,080
Steel	TN	1	6.0	6.0	272.80	1,637	0.00	0	120.00	720
Deaerator Storage Tank	TN	1	78.0	78.0	272.80	21,278	0.00	0	120.00	9,360
Steel	TN	1	8.0	8.0	272.80	2,182	0.00	0	120.00	960
Insulation & Lagging	CY	1	8.0	8.0	62.00	498	8.00	64	0.00	0
Subtotal						28,048		64		12,120
Condensate Pumps & Drives										
Condensate Pump	TN	3	8.0	24.0	272.80	6,547	0.00	0	120.00	2,880
Condensate Motor	TN	3	8.0	24.0	272.80	6,547	0.00	0	120.00	2,880
Subtotal						13,094		0		5,760
Condensate Auxiliary Systems										
Chemical Feed System Pump	TN	8	0.3	2.4	272.80	655	0.00	0	120.00	288
Subtotal						655		0		288
Chemical Feed Piping:										
Less than 4" Pipe	TN	1	34.0	34.0	272.80	9,275	0.00	0	120.00	4,080
10" Pipe	TN	1	55.0	55.0	204.60	11,253	0.00	0	120.00	6,600
12" Pipe	TN	1	42.0	42.0	204.60	8,593	0.00	0	120.00	5,040
Subtotal						29,121		0		15,720
Spray Water System Piping:										
6" Pipe	TN	1	5.0	5.0	272.80	1,364	0.00	0	120.00	600
8" Pipe	TN	1	4.0	4.0	272.80	1,091	0.00	0	120.00	480
12" Pipe	TN	1	6.0	6.0	204.60	1,228	0.00	0	120.00	720
14" Pipe	TN	1	5.0	5.0	204.60	1,023	0.00	0	120.00	600
Subtotal						4,706		0		2,400

SCHERER DISMANTLEMENT STUDY

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
Feedwater System										
<u>Feedwater Piping:</u>										
12" Pipe	TN	1	3.0	3.0	204.60	614	0.00	0	120.00	360
16" Pipe	TN	1	23.0	23.0	204.60	4,706	0.00	0	120.00	2,760
18" Pipe	TN	1	19.0	19.0	204.60	3,887	0.00	0	120.00	2,280
20" Pipe	TN	1	4.0	4.0	204.60	818	0.00	0	120.00	480
28" Pipe	TN	1	11.0	11.0	204.60	2,251	0.00	0	120.00	1,320
Insulation	CY	1	50.0	50.0	62.00	3,100	8.00	400	0.00	0
Subtotal						15,376		400		7,200
<u>High Pressure Heaters, Feedwater System</u>										
High Pressure Heater	TN	4	55.0	220.0	272.80	60,016	0.00	0	120.00	26,400
Subtotal						60,016		0		26,400
<u>Feedwater Pumps & Drives, Feedwater System</u>										
Feedwater Pump	TN	1	15.0	15.0	204.60	3,069	0.00	0	120.00	1,800
Turbine Drives	TN	2	55.5	111.0	204.60	22,711	0.00	0	120.00	13,320
Subtotal						25,780		0		15,120
<u>Feedwater Auxiliary System</u>										
<u>Feedwater Minimum Flow Lines - Piping:</u>										
4" Pipe	TN	1	3.0	3.0	272.80	818	0.00	0	120.00	360
6" Pipe	TN	1	11.0	11.0	272.80	3,001	0.00	0	120.00	1,320
Subtotal						3,819		0		1,680
Feedwater System Insulation	CY	1	35.0	35.0	62.00	2,170	8.00	280	0.00	0
<u>Lube Oil System</u>										
Piping - Less than 4"	TN	1	6.0	6.0	272.80	1,637	0.00	0	120.00	720
Pump	TN	2	4.5	9.0	272.80	2,455	0.00	0	120.00	1,080
Filter	TN	2	4.0	8.0	272.80	2,182	0.00	0	120.00	960
Subtotal						6,274		0		2,760
<u>Feedwater Pmp Turb Oil Sys, Lube Oil System</u>										
Fdwtr Pump Turb Oil Pipe - Less than 4"	TN	1	1.0	1.0	272.80	273	0.00	0	120.00	120
<u>Nitrogen System</u>										
Less Than 4" Pipe	TN	1	3.0	3.0	272.80	818	0.00	0	120.00	360
10" Pipe	TN	1	2.0	2.0	204.60	409	0.00	0	120.00	240
Subtotal						1,227		0		600
Total Account 312						10,103,206		309,473		5,026,784
FERC Account 314										
Turbogenerator Units										
<u>Turbine Generator System</u>										
Foundation - Concrete	CY	1	3,435.0	3,435.0	80.40	276,174	76.00	261,060	0.00	0
Subtotal						276,174		261,060		0

SCHERER DISMANTLEMENT STUDY

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
Turbine Generator										
Section Casing or Shell	TN	1	815.0	815.0	155.00	126,325	0.00	0	120.00	97,800
Generator Copper	TN	1	127.6	127.6	607.60	77,530	0.00	0	5,000.00	638,000
Turbine System Insulation	CY	1	10.0	10.0	62.00	620	8.00	80	0.00	0
Subtotal						204,475		80		735,800
Turbine Drain System:										
Less than 4" Pipe	TN	1	3.0	3.0	272.80	818	0.00	0	120.00	360
Subtotal						818		0		360
Generator Cooling & Purge System										
Generator Purge Piping - less than 4"	TN	1	41.0	41.0	272.80	11,185	0.00	0	120.00	4,920
Subtotal						11,185		0		4,920
Condensing System										
Condenser Casing	TN	1	756.0	756.0	272.80	206,237	0.00	0	120.00	90,720
Subtotal						206,237		0		90,720
Condenser Connections Piping:										
6" Pipe	TN	1	3.0	3.0	272.80	818	0.00	0	120.00	360
8" Pipe	TN	1	4.0	4.0	272.80	1,091	0.00	0	120.00	480
12" Pipe	TN	1	6.0	6.0	204.60	1,228	0.00	0	120.00	720
24" Pipe	TN	1	2.0	2.0	204.60	409	0.00	0	120.00	240
Subtotal						3,546		0		1,800
Vacuum System Piping:										
8" Pipe	TN	1	5.0	5.0	272.80	1,364	0.00	0	120.00	600
10" Pipe	TN	1	7.0	7.0	204.60	1,432	0.00	0	120.00	840
Vacuum System Pump	TN	3	11.7	35.1	204.60	7,181	0.00	0	120.00	4,212
Vacuum System Motor	TN	3	5.2	15.6	204.60	3,192	0.00	0	120.00	1,872
Subtotal						13,169		0		7,524
Cooling Water Pumps & Drives										
Cooling Water Pumps	TN	2	6.5	13.0	204.60	2,660	0.00	0	120.00	1,560
Cooling Water Motors	TN	2	25.7	51.4	204.60	10,516	0.00	0	120.00	6,168
Foundation Concrete C W Pumps & Drives	CY	1	23.0	23.0	80.40	1,849	76.00	1,748	0.00	0
Subtotal						15,025		1,748		7,728
Cooling Tower										
Substructure Concrete - Reinf	CY	1	14,924.3	14,924.3	80.40	1,199,911	76.00	1,134,244	0.00	0
Asbestos in Transite Panels for Fill	CY	1	6,432.1	6,432.1	1,250.00	8,040,175	100.00	643,214		
Concrete	CY	1	6,499.8	6,499.8	32.16	209,034	76.00	493,986	0.00	0
Subtotal						9,449,120		2,271,444		0
Cooling Tower Equipment										
Piping:										
16" Pipe	TN	1	13.0	13.0	204.60	2,660	0.00	0	120.00	1,560
36" Pipe	TN	1	219.0	219.0	204.60	44,807	0.00	0	120.00	26,280
Subtotal						47,467		0		27,840

SCHERER DISMANTLEMENT STUDY

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
Lube Oil System:										
Turbine Generator Oil Filtrng Unit	TN	1	40.0	40.0	272.80	10,912	0.00	0	120.00	4,800
Lube Oil Piping - less than 4"	TN	1	2.0	2.0	440.20	880	0.00	0	120.00	240
Lube Oil Piping - 4" Pipe	TN	1	6.0	6.0	272.80	1,637	0.00	0	120.00	720
Lube Oil Pump	TN	3	3.3	9.9	272.80	2,701	0.00	0	120.00	1,188
Lube Oil Piping Insulation	CY	1	20.0	20.0	62.00	1,240	8.00	160	0.00	0
Subtotal						17,370		160		6,948
Total Account 314						10,244,586		2,534,492		883,640
FERC Account 315										
Accessory Elec Equip										
Cable										
Power/Control/Lighting Cable	TN	1	297.9	297.9	744.00	221,638	0.00	0	2,100.00	625,590
Raceway Conduit - Aluminum	TN	1	141.5	141.5	440.20	62,288	0.00	0	1,340.00	189,610
Cabletray - Aluminum	TN	1	30.5	30.5	440.20	13,426	0.00	0	1,340.00	40,870
Subtotal						297,352		0		856,070
Bus Eqpmnt & Suppts, Gener Bus Sys										
Bus	TN	1	9.2	9.2	204.60	1,882	0.00	0	120.00	1,104
Subtotal						1,882		0		1,104
A.C. System - 120/208v:										
Distribution Panel	TN	28	1.0	28.0	440.20	12,326	0.00	0	120.00	3,360
Distribution Switchgear	TN	4	2.5	10.0	440.20	4,402	0.00	0	120.00	1,200
Subtotal						16,728		0		4,560
A.C. System - 480v										
Motor Control Center	TN	3	2.5	7.5	272.80	2,046	0.00	0	120.00	900
Panel	TN	1	0.5	0.5	272.80	136	0.00	0	120.00	60
Switchgear	TN	3	10.0	30.0	204.60	6,138	0.00	0	120.00	3,600
Subtotal						8,320		0		4,560
Transformer System										
Transformer - Power/Lighting	TN	20	1.0	20.0	204.60	4,092	0.00	0	120.00	2,400
Copper	TN	1	5.6	5.6	458.80	2,569	0.00	0	5,000.00	28,000
Subtotal						6,661		0		30,400
Distribution System AC System - 277/480v										
Circuit Breaker - AC System 277/480v	TN	1	1.2	1.2	272.80	327	0.00	0	120.00	144
Switchgear - AC System 277/480v	TN	1	3.0	3.0	204.60	614	0.00	0	120.00	360
Subtotal						941		0		504
A.C. System - 4kv:										
Distribution Switchgear										
Transformer - Station Service	TN	2	50.4	100.8	204.60	20,624	0.00	0	120.00	12,096
Transformer Copper	TN	2	35.4	70.8	458.80	32,483	0.00	0	5,000.00	354,000
Transformer - Startup Station Service	TN	1	59.7	59.7	204.60	12,215	0.00	0	120.00	7,164
Transformer Copper	TN	1	41.6	41.6	458.80	19,086	0.00	0	5,000.00	208,000
Subtotal						84,408		0		581,260

SCHERER DISMANTLEMENT STUDY

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
A.C. System - 6.9kv:										
Bus Section - Station Service Bus	TN	1	12.5	12.5	744.00	9,300	0.00	0	120.00	1,500
Switchgear Frame	TN	1	100.0	100.0	204.60	20,460	0.00	0	120.00	12,000
Transformer - Startup Station Service	TN	1	39.0	39.0	204.60	7,979	0.00	0	120.00	4,680
Transformer Copper	TN	1	27.0	27.0	458.80	12,388	0.00	0	5,000.00	135,000
Subtotal						50,127		0		153,180
Total Account 315						466,419		0		1,631,638
FERC Account 316										
Misc Plant Equip										
Central Vacuum Cleaning System										
Pump	TN	2	3.5	7.0	272.80	1,910	0.00	0	120.00	840
Less than 4" Pipe	TN	1	5.0	5.0	272.80	1,364	0.00	0	120.00	600
4" Pipe	TN	1	23.0	23.0	272.80	6,274	0.00	0	120.00	2,760
8" Pipe	TN	1	10.0	10.0	272.80	2,728	0.00	0	120.00	1,200
Total Account 316						12,276		0		5,400
TOTAL SCHERER UNIT 4						21,809,158		3,017,250		7,916,882
GRAND TOTAL SCHERER						30,042,746		9,853,694		8,660,945

St. Johns River Plant

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St. Johns River Power Park

The St. Johns River Power Park (SJRPP) Plant is jointly owned by the Jacksonville Electric Authority, 80% ownership share and Florida Power & Light Company, 20% ownership share. The site is located in the northeast section of the City of Jacksonville in Duval County, Florida. Both Units No. 1 and No. 2 are coal fired units arranged for semi-outdoor operation. A common unloading bay is located between and joins the Unit No. 1 and Unit No. 2 turbine buildings. The control building, a five (5) story common facility is located between Units No. 1 and 2. The two units have a combined maximum generator nameplate rating of 1,358 megawatts. Units No. 1 and 2 went into commercial operation during 1987 and 1988, respectively. For purposes of this dismantlement study, the estimated retirement dates for these units are as follows:

<u>Unit</u>	<u>Year</u>
Unit 1	2028
Unit 2	2028
Common	2028
Gypsum & Ash Handling Equipment	2028
Coal & Limestone Handling Equipment	2028

The dismantlement of the plants is assumed to require 2 years beginning in 2033.

Two hyperbolic natural draft cooling towers, one for each unit, are located northeast of the Unit No. 2 turbine building. The coal handling system includes a rotary rail car dumper equipped with a static weight scale, a train positioner, a type 410 stainless steel receiving bin, four short belt feeders, a cross conveyor, two series arranged elevating conveyors, a belt scale, and two magnetic separators.

The 20% ownership share noted above has been used to determine Florida Power & Light Company's share of the responsibility for the cost of dismantlement of the St. Johns River Power Park Units.

Florida Power & Light Company last requested and received approval for a change in dismantlement accruals for the St. Johns River Power Park Units (including Common and Gypsum and Fly Ash Handling Facilities) in Docket No. 030558-EI, Order No. PSC-04-0086-PAA-EI issued on January 27, 2004. These rates became effective as of January 1, 2003.

ST. JOHNS RIVER POWER PARK
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Removal Cost at 20%	Disposal Cost (B)	Disposal Cost at 20%	Salvage Value (C)	Salvage Value at 20%	Total (D)=(A + B - C)	FPL's 20% Portion (E)=(D) * .2
<u>SJRPP Common Plant</u>									
<u>Production Plant</u>									
311	Improvements to Site	2,699,372	539,874	1,811,567	362,313	627,803	125,561	3,883,136	776,627
312	Boiler Plant Equipment	1,485,144	297,029	1,586,239	317,248	49,966	9,993	3,021,417	604,283
315	Accessory Electrical Equipment	790,616	158,123	137,724	27,545	1,849,224	369,845	(920,884)	(184,177)
316	Misc. Power Plant Equipment	34,745	6,949	0	0	20,443	4,089	14,302	2,860
	Subtotal	5,009,876	1,001,975	3,535,530	707,106	2,547,436	509,487	5,997,970	1,199,594
<u>Other Site Costs:</u>									
	Site Management Expenses	1,034,092	206,818					1,034,092	206,818
	Special Waste	188,700	37,740					188,700	37,740
	Intake & Discharge Backfill	39,120	7,824					39,120	7,824
	Grading & Seeding	21,951,991	4,390,398					21,951,991	4,390,398
	Subtotal	23,213,903	4,642,781	0	0	0	0	23,213,903	4,642,781
	Total	28,223,779	5,644,756	3,535,530	707,106	2,547,436	509,487	29,211,873	5,842,375
	Contingency - 16%	4,515,805	903,161	565,685	113,137			5,081,489	1,016,298
	Total SJRPP Common Excluding Unusable M&S	32,739,583	6,547,917	4,101,214	820,243	2,547,436	509,487	34,293,362	6,858,672
	Unusable M&S Inventory	16,500,000	3,300,000			1,650,000	330,000	14,850,000	2,970,000
	Total SJRPP Common Including Unusable M&S	49,239,583	9,847,917	4,101,214	820,243	4,197,436	839,487	49,143,362	9,828,672
<u>SJRPP Units 1 & 2</u>									
311	Improvements to Site	4,801,284	960,257	2,701,065	540,213	934,841	186,968	6,567,508	1,313,502
312	Boiler Plant Equipment	18,635,274	3,727,055	2,885,039	577,008	8,293,810	1,658,762	13,226,503	2,645,301
314	Turbogenerator Units	8,335,666	1,667,133	4,535,709	907,142	1,901,466	380,293	10,969,909	2,193,982
315	Accessory Electrical Equipment	3,892,434	778,487	1,053,009	210,602	7,436,134	1,487,227	(2,490,692)	(498,138)
316	Misc. Power Plant Equipment	62,506	12,501	24,840	4,968	15,859	3,172	71,487	14,297
353	Switchyard	0	0	0	0	0	0	0	0
	Subtotal	35,727,163	7,145,433	11,199,662	2,239,932	18,582,111	3,716,422	28,344,715	5,668,943
	Contingency - 16%	5,716,346	1,143,269	1,791,946	358,389			7,508,292	1,501,658
	Total SJRPP Units 1 & 2	41,443,509	8,288,702	12,991,608	2,598,322	18,582,111	3,716,422	35,853,007	7,170,601
<u>SJRPP Coal and Limestone Handling</u>									
311	Improvements to Site	557,614	111,523	444,226	88,845	28,768	5,754	973,072	194,614
312	Boiler Plant Equipment	6,708,478	1,341,696	2,562,018	512,404	2,115,598	423,120	7,154,898	1,430,980
315	Accessory Electrical Equipment	518,733	103,747	2,120	424	369,661	73,932	151,191	30,238
	Subtotal	7,784,825	1,556,965	3,008,363	601,673	2,514,027	502,805	8,279,161	1,655,832
	Contingency - 16%	1,245,572	249,114	481,338	96,268			1,726,910	345,382
	Total SJRPP Coal and Limestone Handling	9,030,397	1,806,079	3,489,701	697,940	2,514,027	502,805	10,006,071	2,001,214
<u>SJRPP Ash and Gypsum Handling</u>									
312	Boiler Plant Equipment	1,575,987	315,197	991,660	198,332	239,183	47,837	2,328,464	465,693
	Contingency - 16%	252,158	50,432	158,666	31,733			410,823	82,165
	Total SJRPP Ash and Gypsum Handling	1,828,145	365,629	1,150,325	230,065	239,183	47,837	2,739,287	547,857
	Total Dismantlement Costs	101,541,634	20,308,327	21,732,850	4,346,570	25,532,756	5,106,551	97,741,728	19,548,346

ST. JOHNS RIVER POWER PARK
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
SJRPP Common - FPL's Portion	3,928,750	5,919,167	820,243	839,487	9,828,672
SJRPP Units 1 & 2	4,973,221	3,315,481	2,598,322	3,716,422	7,170,601
SJRPP Coal & Limestone Handling	1,083,648	722,432	697,940	502,805	2,001,214
SJRPP Gypsum & Ash Handling	219,377	146,252	230,065	47,837	547,857
Total	10,204,996	10,103,331	4,346,570	5,106,551	19,548,346

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

ST JOHNS RIVER POWER PARK DISMANTLEMENT ASSUMPTIONS

FPL and the Jacksonville Electric Authority (JEA) are joint owners of St. Johns River Power Park Units 1 and 2 and related Common Facilities. Contractually each co-owner is responsible for his share of all dismantlement costs.

FPL will provide management personnel for the dismantlement effort.

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

FPL will provide site security during the dismantlement.

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

The land will be made available for future use.

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

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

The following items will be removed:

- a. All structures, equipment, and concrete pads, pedestals, foundations, etc;
- b. All underground gas, oil, sewer and water piping and electrical conduits;
- c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

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

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

The estimate does not reflect land value or its resale.

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

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

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

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

St Johns River Power Park's railroad spur will be removed. However, line items for removal, disposal and salvage of rail, cross-ties, etc. are not included in this study. Contractors that perform track removal will generally take up the track, dispose of the cross-ties and keep the rails, spikes and other salvageable material as payment.

ST JOHNS RIVER POWER PARK DISMANTLEMENT ASSUMPTIONS (continued)

The coal and limestone yards are lined with impermeable vinyl to prevent any seepage into the ground soil; further, it is assumed that coal and limestone stockpiles will have been consumed virtually in their entirety at the termination of power generation; plant operations personnel will dispose of any coal, limestone, gypsum or ash that may remain.

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

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

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

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

<u>Unit</u>	<u>Economic Recovery Date</u>
Common	2028
Unit 1	2028
Unit 2	2028
Coal & Limestone Handling Equipment	2028
Gypsum & Ash Handling Equipment	2028

St. Johns River Power Park Units 1 and 2 and all common facilities are asbestos free.

DISMANTLING ACTIVITIES: COAL FIRED PLANTS

- Remove loose equipment, furniture, and spare parts.
- Drain liquids, drum-up, and dispose of drums.
- Remove solid and liquid waste from waste treatment processing areas – landfilled material, precipitated material in ponds and tanks, contaminated resins and reactants.
- Strip all insulation and covering, package and remove to acceptable landfill.
- Collapse circulating water lines. Remove underground piping and backfill all trenches.
- Remove main steam, hot and cold piping, downcomers, valves and supports, pumps, motors, generator auxiliary equipment, feedwater heaters, soot blowers, and condensers.
- Remove makeup structure, equipment, pumps, piping and valves.
- Remove systems that must be completed prior to the start of the boiler removal, including lube oil pumps, all piping, instrument and electrical systems.
- Remove forced drafts and induced draft ductwork, air heaters and fans.
- Remove hoppers, burners, upper and lower headers, manways, and waterwalls.
- Remove heavy steel structures and above ground steel – precut key members, lower and cut at ground level.
- Remove fire protection, building heating, compressors, air dryers, control equipment and electrical systems.
- Disassemble crane, boiler feed pumps, and turbine generator.
- Separate scrap metals, and remove to scrap yard.
- Remove and dispose of miscellaneous rubble.
- Remove turbine pedestals, foundations, and heavy concrete structures and buildings, stack foundations, equipment foundations, and substructures. Remove to landfill.
- Install environmental monitoring equipment, for example, at wells.
- Cut off piles and remove pile caps. Remove concrete encased duct banks and underground piping.
- Remove railroad tracks.
- Test and remove contaminated soil/bases – all areas.

DISMANTLING ACTIVITIES: COAL FIRED PLANTS

(Continued)

- Remove or improve remaining site facilities such as buildings, fences, parking areas in accordance with local code and regulations.
- Install/modify existing site storm water runoff system.
- Remove gas supply metering site, valve stations, underground distribution system.
- Remove marine facilities such as fuel unloading docks, equipment, bridges, and dams.
- Cut and remove oil tanks, piping, valves, and supports.
- Remove top soil/gravel, backfill, and remove barrier wall foundation.
- Backfill, site grading, seeding and mulching.

ST. JOHNS RIVER POWER PARK DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

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

REMOVAL COST FACTORS

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

Labor Rate

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

Labor	\$36.85	X	6	=	\$221.12
Foreman	\$46.92	X	1	=	\$46.92
Heavy Equipment Operator	\$44.94	X	1	=	\$44.94
Total Cost per hour of 8 man crew					<u>\$312.98</u>
Cost per man hour		\$312.98 /	8	=	<u>\$39.12</u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					24,940.03
Front End Loader					2,912.53
Cutting Equipment					231.75
Total per month					<u>28,084.30</u>
\$28,084	/	176	hours per month =		159.57
Cost per man hour		\$159.57 /	8	=	\$19.95
Plus: amount for small tools					1.00
Total Cost per man hour					<u>\$20.95</u>

ST. JOHNS RIVER POWER PARK DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$39.12
Equipment	20.95
Total	<u>\$60.07</u>
Rounded to nearest dollar	<u>\$60.00</u>
For Concrete demolition add \$5.00 per hour additional equipment charge.	<u>\$65.00</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)	\$60.00	2.50 MH / Ton	\$150.00 / Ton
Heavy Steel (2)	\$60.00	3.30 MH / Ton	\$198.00 / Ton
General Steel	\$60.00	4.40 MH / Ton	\$264.00 / Ton
Light Steel	\$60.00	7.10 MH / Ton	\$426.00 / Ton
Concrete	\$65.00	0.48 MH / CY	\$31.20 / CY
Reinforced Concrete	\$65.00	1.20 MH / CY	\$78.00 / CY
Copper-Elect. Cable & Generator Leads	\$60.00	12.00 MH / Ton	\$720.00 / Ton
Copper - Generator	\$60.00	9.80	\$588.00 / Ton
Copper - Transformer	\$60.00	7.40	\$444.00 / Ton
General Insulation	\$60.00	1.00 MH / CY	\$60.00 / CY
Inground Pipe-Metal(3)	\$60.00	6.00 MH / Ton	\$360.00 / Ton
Concrete Pipe	\$65.00	4.60 MH / Ton	\$299.00 / 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 Nine Mile Road Landfill near SJRPP. Concrete and non-asbestos insulation are non-hazardous wastes. The tipping fee is \$28.50/ton. The dumpster cost, including driver, is \$98.00 per haul for all size dumpsters.

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

ST. JOHNS RIVER POWER PARK DISMANTLEMENT STUDY

Concrete

One cubic yard of concrete in place weighs 3,950 pounds. One cubic yard becomes 1.3 cubic yards after demolition. Each load will contain 15.4 cubic yards (20 cu. yds./1.3) of in place concrete. 15.4 cubic yards weighs 61,000 pounds or 30.50 tons.

Truck Cost	\$98.00 / haul		1 haul	=	98.00
Tipping Fees	\$28.50 / ton	X	30.5 tons	=	<u>869.25</u>
Total Cost per round Trip					<u>\$967.25</u>

Cost per Cubic Yard	\$967.25 / 15.4 cubic yards =				\$62.81
Plus 10% contractor profit					<u>6.28</u>
Total Cost per Cubic Yard					<u><u>\$69.09</u></u>

Rounded Cost per Cubic Yard					<u><u>\$69.00</u></u>
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Insulation - Calcium Silicate (Non-Hazardous)

A trailer with a 40 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 40 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 40 cubic yards times .060750 tons/cubic yard = 2.43 tons.

Truck Cost	\$98.00 / haul	X	1 haul	=	98.00
Tipping Fees	\$28.50 / ton	X	2.43 tons	=	<u>69.26</u>
Total Cost per round Trip					<u>\$167.26</u>

Cost per Cubic Yard	\$167.26 / 36 cubic yards =				\$4.65
Plus 10% contractor profit					<u>0.46</u>
Total Cost per Cubic Yard					<u><u>\$5.11</u></u>

Rounded Cost per Cubic Yard					<u><u>\$5.00</u></u>
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ST. JOHNS RIVER POWER PARK DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

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

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

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Power Generation Division (PGD) and updated by Construction Estimating are: FPL expenses of \$19,202 per month, both office and site and contractor's expenses of \$23,885 per month for site indirect costs. These expenses are to be incurred over the 24 month dismantlement period for St. Johns Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractor's expenses include field management, supervision, security and other costs.

Site Management Expenses per month	\$43,087
Number of months	24
Total Site Management Expenses	<u>\$1,034,092</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. The cost to back-fill the Intake is \$39,120; to back-fill the discharge is \$31,131. (St. Johns uses cooling towers and thus has no discharge.) The backfill cost has been updated by Construction Estimating as follows:

	<u>Cost/Unit</u>	<u>Quantity</u>	
Intake	\$39,120	1	\$39,120
Discharge	\$31,131	0	\$0
			<u>\$39,120</u>

ST. JOHNS RIVER POWER PARK DISMANTLEMENT STUDY

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field area. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD and updated by Construction Estimating is \$56,186 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

St. John's Acreage to be graded and seeded	390.70
Cost Factor	\$56,186
Total Grading and Seeding Expense	<u>\$21,951,991</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 St Johns River, the following cost estimates have been identified.

<u>Description</u>	<u>Amount</u>
Asbestos	\$0
Lead in paint	900
Basins Clean Out/Material	70,000
Special Waste	23,000
Tanks/Washwater	60,000
Soil/Other Contamination	34,800
Total	<u>\$188,700</u>

ST. JOHNS RIVER POWER PARK

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
ST. JOHNS SITE COMMON										
FERC Account 311										
Improvements to Site										
Yard Structures										
Roads (asphalt 81,290 sy)	CY	1	4,512.00	4,512.00	31.20	140,774	69.00	311,328	0.00	0
Parking (asphalt 1,945 sy)	CY	1	107.00	107.00	31.20	3,338	69.00	7,383	0.00	0
Yard Lighting Foundations - Reinf Concrete	CY	1	253.00	253.00	78.00	19,734	69.00	17,457	0.00	0
Yard Light Poles (180) - Aluminum	TN	1	45.00	45.00	426.00	19,170	0.00	0	1,340.00	60,300
Railroad Crossover Walkway - Struc Steel	TN	1	12.00	12.00	198.00	2,376	0.00	0	120.00	1,440
RR Crossover Walkway - Handrailing, Platforms	TN	1	2.00	2.00	426.00	852	0.00	0	120.00	240
Bulk Gas Storage Foundation - Reinf Conc	CY	1	18.00	18.00	78.00	1,404	69.00	1,242	0.00	0
Bulk Gas Storage - Support Steel & Tanks	TN	1	14.67	14.67	264.00	3,873	0.00	0	120.00	1,760
Bulk Gas Piping, Vlvs Under 4" - Steel	TN	1	9.53	9.53	426.00	4,060	0.00	0	120.00	1,144
Pipe Rack Foundations - Reinforced Concrete	CY	1	525.00	525.00	78.00	40,950	69.00	36,225	0.00	0
Hydrazine Storage Tank - Steel	TN	1	4.19	4.19	264.00	1,107	0.00	0	120.00	503
New Lube Oil Storage Tank - Steel	TN	1	3.57	3.57	264.00	942	0.00	0	120.00	428
Used Lube Oil Storage Tank - Steel	TN	1	4.99	4.99	264.00	1,317	0.00	0	120.00	599
Lube Oil Storage Shed Foundation - Reinf Conc	CY	1	20.07	20.07	78.00	1,565	69.00	1,385	0.00	0
Lube Oil Storage Shed - Structural Steel	TN	1	7.00	7.00	198.00	1,386	0.00	0	120.00	840
Lube Oil Storage Shed - Steel Siding	TN	1	1.00	1.00	264.00	264	0.00	0	120.00	120
Sewage Treatment Plant - Steel Plate	TN	1	6.73	6.73	264.00	1,777	0.00	0	120.00	808
Sewage Treatment Plant Fndation - Reinf Conc	CY	1	44.44	44.44	78.00	3,466	69.00	3,066	0.00	0
Subtotal						248,357		378,086		68,182
Waste Water Treatment Area										
Waste Water Treatment Area - Structural Steel	TN	1	21.00	21.00	198.00	4,158	0.00	0	120.00	2,520
WWT Bldg Siding/ Roofing - Steel (11,400 sf)	TN	1	14.25	14.25	264.00	3,762	0.00	0	120.00	1,710
Waste Water Treatment Area - Misc. Steel	TN	1	24.00	24.00	426.00	10,224	0.00	0	120.00	2,880
WWT Area - Tank Walkway Platforms/ Ladders	TN	1	30.00	30.00	426.00	12,780	0.00	0	120.00	3,600
WWT Area/ Bldg Foundations - Reinf Concrete	CY	1	2,754.00	2,754.00	78.00	214,812	69.00	190,026	0.00	0
WWT Bldg Interior Walls - Concrete Block	CY	1	12.59	12.59	31.20	393	69.00	869	0.00	0
WWT Building - Floccpress Unit	TN	2	7.60	15.20	264.00	4,013	0.00	0	120.00	1,824
WWT Building - Floccpress Unit Conveyor	TN	1	2.00	2.00	264.00	528	0.00	0	120.00	240
Lime Storage Silo - Steel	TN	1	14.22	14.22	198.00	2,816	0.00	0	120.00	1,706
Lime Handling Equipment - Steel	TN	1	5.00	5.00	264.00	1,320	0.00	0	120.00	600
Reaction Tank/ Agitator - Steel	TN	2	8.92	17.84	264.00	4,710	0.00	0	120.00	2,141
Influent Distrib Structure/ I-beam Supports	TN	1	5.95	5.95	264.00	1,571	0.00	0	120.00	714
Reactor Clarifier Tank/ Agitator - Steel	TN	2	35.80	71.60	198.00	14,177	0.00	0	120.00	8,592
Clarifier Underflow Pump/ Motor	TN	3	1.77	5.30	264.00	1,398	0.00	0	120.00	635
Clarifier Overflow Pump/ Motor	TN	3	1.22	3.66	264.00	966	0.00	0	120.00	439
Gravity Filter Tank - Steel	TN	4	10.40	41.60	198.00	8,237	0.00	0	120.00	4,992
Sludge Thickener Tank/ Agitator - Steel	TN	2	18.09	36.18	198.00	7,164	0.00	0	120.00	4,342
Gravity Filter Blower - Steel	TN	2	2.00	4.00	264.00	1,056	0.00	0	120.00	480
Hydropneumatic Tank - Steel	TN	1	3.25	3.25	264.00	858	0.00	0	120.00	390
Backwash Waste Pump/ Motor	TN	3	1.47	4.40	264.00	1,163	0.00	0	120.00	528
Thickener Underflow Pump/ Motor	TN	3	1.33	3.99	264.00	1,053	0.00	0	120.00	479
Floccpress Tank/ Pump System (skid-mounted)	TN	2	4.00	8.00	264.00	2,112	0.00	0	120.00	960
Concentrated Sulfuric Acid Strg Tank - Steel	TN	1	7.03	7.03	264.00	1,856	0.00	0	120.00	844
Caustic Storage Tank - Steel	TN	1	5.12	5.12	264.00	1,352	0.00	0	120.00	614
pH Attenuation/ Adjustment Tank - Reinf Conc	CY	1	45.77	45.77	78.00	3,570	69.00	3,158	0.00	0
pH Attenuation/ Adjustment Tank Agitators	TN	1	1.00	1.00	426.00	426	0.00	0	120.00	120
Final Effluent Discharge Pump/ Motor	TN	2	1.22	2.44	264.00	644	0.00	0	120.00	293
Caustic Tank/ Pump System (skid-mounted)	TN	1	2.00	2.00	264.00	528	0.00	0	120.00	240

ST. JOHNS RIVER POWER PARK

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 Tank/ Pump System (skid-mounted)	TN	1	2.00	2.00	264.00	528	0.00	0	120.00	240
Waste Wtr Pumping Station Fndtns - Reinf Conc	CY	1	772.00	772.00	78.00	60,216	69.00	53,268	0.00	0
Fiberglass-reinforced Piping (FRP)	CY	1	3.43	3.43	31.20	107	69.00	237	0.00	0
Piping, Valves Under 4" - Steel	TN	1	3.06	3.06	426.00	1,304	0.00	0	120.00	367
Subtotal						369,800		247,558		42,491
<u>Yard Fire Protection System</u>										
Motor-driven Firepump 350 hp	TN	1	3.00	3.00	264.00	792	0.00	0	120.00	360
Engine-driven Firepump 400 hp Cummins	TN	1	3.25	3.25	264.00	858	0.00	0	120.00	390
Firepump Building Foundation - Reinf Concrete	CY	1	14.88	14.88	78.00	1,161	69.00	1,027	0.00	0
Firepump Bldg Walls & Roof - Reinf Concrete	CY	1	34.93	34.93	78.00	2,725	69.00	2,410	0.00	0
Piping, Valves Over 8" - Steel	TN	1	4.86	4.86	198.00	962	0.00	0	120.00	583
Subtotal						6,497		3,437		1,333
<u>Domestic Water System</u>										
Potable Water Pump/ Motor (Peerless)	TN	2	1.00	2.00	264.00	528	0.00	0	120.00	240
Piping, Valves Under 4" - Steel	TN	1	9.23	9.23	426.00	3,933	0.00	0	120.00	1,108
Piping, Valves 4" to 8" - Steel	TN	1	31.53	31.53	264.00	8,323	0.00	0	120.00	3,783
Piping, Valves Over 8" - Steel	TN	1	1.49	1.49	198.00	295	0.00	0	120.00	178
Subtotal						13,079		0		5,310
<u>Water Treatment System Area</u>										
Well Water Pump/ Motor/ Accessories	TN	3	5.00	15.00	264.00	3,960	0.00	0	120.00	1,800
Service Water Pump/ Motor	TN	5	3.22	16.09	264.00	4,247	0.00	0	120.00	1,931
Carbon Filter Tank - Steel	TN	3	7.70	23.10	264.00	6,098	0.00	0	120.00	2,772
Weak Cation Exchange Tank - Steel	TN	2	4.50	9.00	264.00	2,376	0.00	0	120.00	1,080
Strong Cation Exchange Tank - Steel	TN	2	5.18	10.36	264.00	2,735	0.00	0	120.00	1,243
Weak Anion Exchange Tank - Steel	TN	2	4.60	9.20	264.00	2,429	0.00	0	120.00	1,104
Strong Anion Exchange Tank - Steel	TN	2	5.40	10.80	264.00	2,851	0.00	0	120.00	1,296
Mixed Bed Exchange Tank - Steel	TN	2	3.40	6.80	264.00	1,795	0.00	0	120.00	816
Degassifier Storage Tank - Steel	TN	2	4.64	9.27	264.00	2,447	0.00	0	120.00	1,112
Well Water Storage Tank - Steel	TN	2	96.38	192.75	264.00	50,886	0.00	0	120.00	23,130
Well Wtr Storage Tank Foundation - Reinf Conc	CY	1	108.00	216.00	78.00	16,848	69.00	14,904	0.00	0
Waste Water Neutralization Tank - Steel	TN	2	14.27	28.54	198.00	5,650	0.00	0	120.00	3,424
Waste Wtr Neutr Tank Foundation - Reinf Conc	CY	1	57.00	114.00	78.00	8,892	69.00	7,866	0.00	0
Caustic Storage Tank - Steel	TN	1	7.76	7.76	264.00	2,049	0.00	0	120.00	931
Acid Storage Tank - Steel	TN	1	6.71	6.71	264.00	1,770	0.00	0	120.00	805
Dilution Water Heater - Steel	TN	1	9.65	9.65	264.00	2,548	0.00	0	120.00	1,158
Sodium Hypochloride Storage Tank - Steel	TN	1	3.99	3.99	264.00	1,053	0.00	0	120.00	479
Storage Tank - Steel (unmarked)	TN	1	5.00	5.00	264.00	1,320	0.00	0	120.00	600
Well Water Aerator w/ Fans (aluminum)	TN	2	6.25	12.50	264.00	3,300	0.00	0	120.00	1,500
Well Water Aerator Platform - Struc Steel	TN	1	35.00	35.00	198.00	6,930	0.00	0	120.00	4,200
Aerator Platform - Stairs, Railing, Platforms	TN	1	6.75	6.75	426.00	2,876	0.00	0	120.00	810
Aerator Platform Foundation - Reinf Concrete	CY	1	42.00	42.00	78.00	3,276	69.00	2,898	0.00	0
Pipe Supports - Steel	TN	1	15.00	15.00	264.00	3,960	0.00	0	120.00	1,800
Pipe Support Foundations - Reinf Concrete	CY	1	30.00	30.00	78.00	2,340	69.00	2,070	0.00	0
Water Treatment Bldg Foundation - Reinf Conc	CY	1	124.07	124.07	78.00	9,677	69.00	8,561	0.00	0
Water Treatment Bldg Roof - Reinf Concrete	CY	1	92.59	92.59	78.00	7,222	69.00	6,389	0.00	0
Water Treatment Bldg Walls - Concrete Block	CY	1	107.20	107.20	31.20	3,345	69.00	7,397	0.00	0
Water Treatment Building - HVAC	TN	1	1.00	1.00	264.00	264	0.00	0	120.00	120
Water Treatment Control Console (indoor)	TN	1	2.00	2.00	264.00	528	0.00	0	120.00	240
Piping, Valves Under 4" - Steel	TN	1	31.27	31.27	426.00	13,322	0.00	0	120.00	3,753
Piping, Valves 4" to 8" - Steel	TN	1	56.92	56.92	264.00	15,028	0.00	0	120.00	6,831
Piping, Valves Over 8" - Steel	TN	1	101.49	101.49	198.00	20,094	0.00	0	120.00	12,178

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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
Subtotal						212,117		50,084		75,113
<u>Cooling Tower Make-up Area - JEA Northside Station</u>										
Make-up Structure & Flume - Reinf Concrete	CY	1	1,163.00	1,163.00	78.00	90,714	69.00	80,247	0.00	0
Support Steel	TN	1	15.00	15.00	264.00	3,960	0.00	0	120.00	1,800
Miscellaneous Steel	TN	1	2.50	2.50	426.00	1,065	0.00	0	120.00	300
Make-up Pump/ Motor	TN	3	8.21	24.64	264.00	6,504	0.00	0	120.00	2,957
Rotary Strainer w/ Motor	TN	2	35.00	70.00	198.00	13,860	0.00	0	120.00	8,400
ChlorMaster Control Console	TN	1	1.50	1.50	264.00	396	0.00	0	120.00	180
Chlorine Generator (skid-mounted)	TN	4	2.97	11.88	264.00	3,137	0.00	0	120.00	1,426
Miscellaneous Pumps and Equipment	TN	1	1.50	1.50	426.00	639	0.00	0	120.00	180
FRP Piping - 48" Make-up & 42" Blowdown	CY	1	657.06	657.06	31.20	20,500	69.00	45,337	0.00	0
Subtotal						140,775		125,584		15,242
<u>Cooling Tower Electrical Building</u>										
Foundation - Reinforced Concrete	CY	1	2,829.00	2,829.00	78.00	220,662	69.00	195,201	0.00	0
Roof - Reinforced Concrete	CY	1	11.11	11.11	78.00	867	69.00	767	0.00	0
Walls - Concrete Block	CY	1	28.59	28.59	31.20	892	69.00	1,973	0.00	0
HVAC	TN	1	1.50	1.50	264.00	396	0.00	0	120.00	180
Subtotal						222,817		197,940		180
<u>Cooling Tower Chlorination System</u>										
Foundation - Reinforced Concrete	CY	1	185.00	185.00	78.00	14,430	69.00	12,765	0.00	0
Sulfuric Acid Tank - Steel	TN	1	6.71	6.71	264.00	1,770	0.00	0	120.00	805
Miscellaneous Pumps and Equipment	TN	1	2.00	2.00	426.00	852	0.00	0	120.00	240
Subtotal						17,052		12,765		1,045
<u>Station Structure Buildings/ Yard Area Piping</u>										
Structural Steel	TN	1	1,779.00	1,779.00	198.00	352,242	0.00	0	120.00	213,480
Miscellaneous Steel	TN	1	3.00	3.00	426.00	1,278	0.00	0	120.00	360
Grating - Steel (445 sf)	TN	1	2.40	2.40	426.00	1,024	0.00	0	120.00	288
Checkerplate - Steel (139 sf)	TN	1	1.04	1.04	426.00	444	0.00	0	120.00	125
Handrailing - Steel (188 lf)	TN	1	1.00	1.00	426.00	426	0.00	0	120.00	120
Ladders/ Stairs - Steel	TN	1	19.00	19.00	426.00	8,094	0.00	0	120.00	2,280
Footings, Columns & Piers - Reinf Concrete	CY	1	1,007.00	1,007.00	78.00	78,546	69.00	69,483	0.00	0
Grade Floors - Reinforced Concrete	CY	1	2,694.00	2,694.00	78.00	210,132	69.00	185,886	0.00	0
Walls - Concrete Block (180,310 sf)	CY	1	2,982.90	2,982.90	31.20	93,066	69.00	205,820	0.00	0
Floor Slabs - Reinforced Concrete	CY	1	2,672.00	2,672.00	78.00	208,416	69.00	184,368	0.00	0
Misc. Foundations - Reinforced Concrete	CY	1	958.00	958.00	78.00	74,724	69.00	66,102	0.00	0
Steel Siding/ Roofing (36,285 sf)	TN	1	49.89	49.89	264.00	13,171	0.00	0	120.00	5,987
Built-up Roofing (52,500 sf)	CY	1	37.22	37.22	31.20	1,161	69.00	2,568	0.00	0
Steel Roof Decking (5,700 sf)	TN	1	8.55	8.55	426.00	3,642	0.00	0	120.00	1,026
HVAC Ductwork - Steel	TN	1	59.95	59.95	264.00	15,827	0.00	0	120.00	7,194
HVAC Piping - Steel	TN	1	800.00	800.00	198.00	158,400	0.00	0	120.00	96,000
Svc Bldg Cranes & I-beam Supports (total)	TN	1	20.00	20.00	264.00	5,280	0.00	0	120.00	2,400
100-ton Gantry Crane	TN	1	140.00	140.00	198.00	27,720	0.00	0	120.00	16,800
Gantry Crane Rail (135#/yd @ 1,020 lf)	TN	1	22.95	22.95	426.00	9,777	0.00	0	120.00	2,754
AQCS Building Elevator	TN	1	8.20	8.20	198.00	1,624	0.00	0	120.00	984
Copper Tubing	TN	1	1.47	1.47	426.00	627	0.00	0	5,000.00	7,356
Piping, Valves Under 4" - Steel	TN	1	1.62	1.62	426.00	691	0.00	0	120.00	195
Piping, Valves 4" to 8" - Steel	TN	1	3.23	3.23	264.00	852	0.00	0	120.00	387
Piping, Valves Under 4" - Cast Iron	TN	1	9.18	9.18	426.00	3,911	0.00	0	120.00	1,102
Piping, Valves 4" to 8" - Cast Iron	TN	1	39.48	39.48	264.00	10,422	0.00	0	120.00	4,737
Piping, Valves Over 8" - Cast Iron	TN	1	4.12	4.12	198.00	815	0.00	0	120.00	494

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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, Valves - Cast Iron (underground)	TN	1	21.40	21.40	210.00	4,494	0.00	0	120.00	2,568
Oily Waste Piping, Vlvs 4" to 8" - Cast Iron	TN	1	3.26	3.26	264.00	861	0.00	0	120.00	391
PVC Piping (above ground)	CY	1	15.60	15.60	31.20	487	69.00	1,077	0.00	0
PVC Piping (below grade)	CY	1	17.32	17.32	31.20	540	69.00	1,195	0.00	0
Fiberglass-reinforced Piping (FRP)	CY	1	116.82	116.82	31.20	3,645	69.00	8,060	0.00	0
Subtotal						1,292,340		724,559		367,029
Warehouse Structures										
Foundations - Reinforced Concrete	CY	1	1,037.00	1,037.00	78.00	80,886	69.00	71,553	0.00	0
Structural Steel	TN	1	280.00	280.00	198.00	55,440	0.00	0	120.00	33,600
Siding/ Roofing - Steel	TN	1	139.32	139.32	264.00	36,780	0.00	0	120.00	16,718
HVAC Equipment & Ducting	TN	1	13.00	13.00	264.00	3,432	0.00	0	120.00	1,560
Subtotal						176,538		71,553		51,878
Total Account 311						2,699,372		1,811,567		627,803
FERC Account 312										
Boiler Plant Service Equipment										
Auxiliary Boiler System										
Boiler	TN	2	53.21	106.42	198.00	21,071	0.00	0	120.00	12,770
Economizer	TN	2	7.66	15.33	264.00	4,046	0.00	0	120.00	1,839
Forced Draft Fan/ Motor	TN	2	2.96	5.93	264.00	1,565	0.00	0	120.00	711
Flues, Ductwork & Stack	TN	1	31.61	31.61	264.00	8,345	0.00	0	120.00	3,793
Deaerator & Boiler Feed Pump Package	TN	1	17.75	17.75	264.00	4,686	0.00	0	120.00	2,130
Miscellaneous Steel	TN	1	11.25	11.25	426.00	4,790	0.00	0	120.00	1,349
Piping, Valves 4" to 8" - Steel	TN	1	3.06	3.06	426.00	1,305	0.00	0	120.00	368
Subtotal						45,808		0		22,961
Chimney										
Foundation - Reinforced Concrete	CY	1	6,795.00	6,795.00	78.00	530,010	69.00	468,855	0.00	0
Structure - Reinforced Concrete	CY	1	6,394.00	6,394.00	78.00	498,732	69.00	441,186	0.00	0
Floor Slabs - Reinforced Concrete	CY	1	60.00	60.00	78.00	4,680	69.00	4,140	0.00	0
Brick Liner	CY	2	4,759.40	9,518.80	31.20	296,987	69.00	656,797	0.00	0
Ladders - Steel (625 lf)	TN	1	8.25	8.25	426.00	3,515	0.00	0	120.00	990
Platforms - Steel (3,840 sf)	TN	1	20.74	20.74	426.00	8,834	0.00	0	120.00	2,488
Roof Deck - Steel (2,601 sf)	TN	1	3.90	3.90	426.00	1,662	0.00	0	120.00	468
Subtotal						1,344,419		1,570,978		3,947
Light Oil Service										
Light Oil Storage Tank - Steel	TN	1	73.05	73.05	198.00	14,464	0.00	0	120.00	8,766
Light Oil Storage Tank - Demolition	TN	1	73.00	73.00	n/a	12,500	0.00	0	120.00	8,760
Tank/ Pump Foundations - Reinforced Concrete	CY	1	164.00	164.00	n/a	25,883	69.00	11,316	0.00	0
Soil Remediation	CY	1	n/a	0.00	n/a	10,619	0.00	0	0.00	0
Tank Retainer Wall - Concrete Block	CY	1	57.17	57.17	31.20	1,784	69.00	3,945	0.00	0
Miscellaneous Pumps/ Motors	TN	1	1.50	1.50	426.00	639	0.00	0	120.00	180
Miscellaneous Steel/ Walkways	TN	1	4.00	4.00	426.00	1,704	0.00	0	120.00	480
Piping, Valves Under 4" - Steel	TN	1	22.25	22.25	426.00	9,479	0.00	0	120.00	2,670
Piping, Valves 4" to 8" - Steel	TN	1	18.35	18.35	264.00	4,846	0.00	0	120.00	2,203
Clean Light Oil Strg Tank	EA	1	n/a	n/a	n/a	13,000	0.00	0	0.00	0
Subtotal						94,917		15,261		23,059
Total Account 312						1,485,144		1,586,239		49,966
FERC Account 315										

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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
Accessory Electrical Equipment										
Power Conversion Equipment										
Start-up Transformer Shell, Tank, Fittings	TN	2	33.31	66.62	198.00	13,190	0.00	0	120.00	7,994
Start-up Transformer Copper	TN	1	81.69	81.69	444.00	36,268	0.00	0	5,000.00	408,425
Start-up Transformer Foundation - Reinf Conc	CY	1	324.00	324.00	78.00	25,272	69.00	22,356	0.00	0
Chem Treatment Area - Station Svc Transformer	TN	2	1.00	2.00	264.00	528	0.00	0	120.00	240
Chemical Treatment Area - Transformer Copper	TN	2	1.22	2.44	444.00	1,083	0.00	0	5,000.00	12,200
480V Power Control Centers (total)	TN	1	31.92	31.92	264.00	8,427	0.00	0	120.00	3,830
480V Motor Control Center	TN	10	2.40	24.00	264.00	6,336	0.00	0	120.00	2,880
Cooling Tower Chlor System - AC/DC Rectifier	TN	2	12.50	25.00	198.00	4,950	0.00	0	120.00	3,000
JEA Northside - Station Service Transformer	TN	2	1.00	2.00	264.00	528	0.00	0	120.00	240
JEA Northside - Transformer Copper	TN	1	2.48	2.48	444.00	1,101	0.00	0	5,000.00	12,400
JEA Northside - AC/DC Rectifier	TN	1	12.50	12.50	198.00	2,475	0.00	0	120.00	1,500
JEA Northside - Gould 480V Switchgear	TN	1	3.00	3.00	264.00	792	0.00	0	120.00	360
Emergency Diesel Generator - Plant	TN	1	69.64	69.64	198.00	13,789	0.00	0	120.00	8,357
Emerg Dsl Gen Fuel Tank Fndation - Reinf Conc	CY	1	17.00	17.00	78.00	1,326	69.00	1,173	0.00	0
Emergency Diesel Generator - FGDS	TN	1	21.80	21.80	198.00	4,316	0.00	0	120.00	2,616
Conduit - Steel	TN	1	122.66	122.66	426.00	52,252	0.00	0	120.00	14,719
Cable Tray - Steel	TN	1	76.47	76.47	426.00	32,574	0.00	0	120.00	9,176
Cable Tray Support Steel	TN	1	26.70	26.70	264.00	7,049	0.00	0	120.00	3,204
Insulated Copper Wiring	TN	1	607.53	607.53	720.00	437,423	0.00	0	2,100.00	1,275,818
Bare Copper Wiring	TN	1	16.45	16.45	720.00	11,846	0.00	0	5,000.00	82,265
Conduit Ductbank - Reinforced Concrete	CY	1	1,655.00	1,655.00	78.00	129,090	69.00	114,195	0.00	0
Total Account 315						790,616		137,724		1,849,224
FERC Account 316										
Miscellaneous Power Plant Equipment										
Personnel Elevator	TN	1	6.36	6.36	264.00	1,679	0.00	0	120.00	763
Freight Elevator	TN	1	9.00	9.00	264.00	2,376	0.00	0	120.00	1,080
Elevator Framing - Steel	TN	1	155.00	155.00	198.00	30,890	0.00	0	120.00	18,600
Total Account 316						34,745		0		20,443
TOTAL SITE COMMON						5,009,876		3,535,530		2,547,436
ST. JOHNS UNITS 1 & 2										
FERC Account 311										
Improvements to Site										
Site - General										
Above Ground Pipe Racks - Structural Steel	TN	1	1,405.00	1,405.00	198.00	278,190	0.00	0	120.00	168,600
Above Ground Pipe Rack Fndtions - Reinf Conc	CY	1	4,198.00	4,198.00	78.00	327,288	69.00	289,524	0.00	0
Pipe Sleepers - Structural Steel	TN	1	30.00	30.00	198.00	5,940	0.00	0	120.00	3,600
Pipe Sleeper Foundations - Reinf Concrete	CY	1	461.00	461.00	78.00	35,958	69.00	31,809	0.00	0
Subtotal						647,376		321,333		172,200
Station Structures										
Turbine Gen Bldg Columns, Footings, Piers	CY	1	7,216.00	7,216.00	78.00	562,848	69.00	497,904	0.00	0
Turbine Gen Bldg Foundation Wall & Trench	CY	1	100.00	100.00	78.00	7,800	69.00	6,900	0.00	0
Turbine Gen Bldg Misc Fndations - Reinf Conc	CY	1	726.00	726.00	78.00	56,628	69.00	50,094	0.00	0
Turbine Gen Bldg Grade Floor - Reinf Concrete	CY	1	1,934.00	1,934.00	78.00	150,852	69.00	133,446	0.00	0
Turbine Gen Bldg Floor Slabs - Reinf Concrete	CY	1	2,567.00	2,567.00	78.00	200,226	69.00	177,123	0.00	0
Turbine Generator Bldg - Structural Steel	TN	1	3,926.00	3,926.00	198.00	777,348	0.00	0	120.00	471,120
Turbine Gen Bldg - Deck Grating (25,070 sf)	TN	1	135.38	135.38	426.00	57,671	0.00	0	120.00	16,245
Turbine Gen Bldg - Handrails (1,960 lf)	TN	1	9.80	9.80	426.00	4,175	0.00	0	120.00	1,176
Turbine Generator Bldg - Ladders & Stairs	TN	1	110.00	110.00	426.00	46,860	0.00	0	120.00	13,200

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Turbine Gen Bldg - Checkerplate (63,502 sf)	TN	1	476.27	476.27	426.00	202,889	0.00	0	120.00	57,152
Turbine Gen Bldg - Concrete Block (27,144 sf)	CY	1	449.00	449.00	31.20	14,009	69.00	30,981	0.00	0
T-G Bldg - Steel Siding (167,687 sf)	TN	1	209.61	209.61	264.00	55,337	0.00	0	120.00	25,153
T-G Bldg - Built-up Roofing (63,700 sf)	CY	1	45.15	45.15	31.20	1,409	69.00	3,116	0.00	0
Turbine Generator Building - HVAC Ductwork	TN	1	93.01	93.01	264.00	24,554	0.00	0	120.00	11,161
Turbine Generator Building - HVAC Piping	TN	1	60.00	60.00	264.00	15,840	0.00	0	120.00	7,200
Blr Area Columns, Footings, Piers - Reinf Conc	CY	1	1,111.00	1,111.00	78.00	86,658	69.00	76,659	0.00	0
Boiler Area Foundations - Reinforced Concrete	CY	1	15,492.00	15,492.00	78.00	1,208,376	69.00	1,068,948	0.00	0
Boiler Area Fndtn Wall & Trench - Reinf Conc	CY	1	51.00	51.00	78.00	3,978	69.00	3,519	0.00	0
Boiler Area Misc. Foundations - Reinf Conc	CY	1	711.00	711.00	78.00	55,458	69.00	49,059	0.00	0
Boiler Area Ash Hopper Fndation -Reinf Conc	CY	1	540.00	540.00	78.00	42,120	69.00	37,260	0.00	0
Boiler Area Grade Floor - Reinforced Concrete	CY	1	1,311.00	1,311.00	78.00	102,258	69.00	90,459	0.00	0
Boiler Area Suspended Floor - Reinf Concrete	CY	1	752.00	752.00	78.00	58,656	69.00	51,888	0.00	0
Boiler Area Column Encasement - Reinf Conc	CY	1	350.00	350.00	78.00	27,300	69.00	24,150	0.00	0
Boiler Area Walls - Concrete Block(18,290 sf)	CY	1	302.58	302.58	31.20	9,440	69.00	20,878	0.00	0
Boiler Area - Steel Siding (98,790 sf)	TN	1	123.49	123.49	264.00	32,601	0.00	0	120.00	14,819
Boiler Area - Built-up Roofing (40,190 sf)	CY	1	28.49	28.49	31.20	889	69.00	1,966	0.00	0
Boiler Area - Roof Plating (37,400 sf)	TN	1	56.10	56.10	426.00	23,899	0.00	0	120.00	6,732
Boiler Area - HVAC Ductwork	TN	1	208.95	208.95	264.00	55,163	0.00	0	120.00	25,074
Boiler Area - Deck Grating (700 sf)	TN	1	3.78	3.78	426.00	1,610	0.00	0	120.00	454
Boiler Area - Checkerplate (450 sf)	TN	1	3.38	3.38	426.00	1,438	0.00	0	120.00	405
Boiler Area - Miscellaneous Steel	TN	1	60.00	60.00	426.00	25,560	0.00	0	120.00	7,200
Heater Bay - Structural Steel	TN	1	650.00	650.00	198.00	128,700	0.00	0	120.00	78,000
FD/ID Fan Building Foundations - Reinf Conc	CY	1	279.16	279.16	78.00	21,774	69.00	19,262	0.00	0
FD/ID Fan Buildings Roofs - Reinf Concrete	CY	1	279.16	279.16	78.00	21,774	69.00	19,262	0.00	0
FD/ID Fan Bldgs - Concrete Block Walls	CY	1	242.30	242.30	31.20	7,560	69.00	16,719	0.00	0
FD/ID Fan Bldgs - Structural Steel	TN	1	30.00	30.00	198.00	5,940	0.00	0	120.00	3,600
FD/ID Fan Bldgs - Ladders/ Guardrailing	TN	1	4.00	4.00	426.00	1,704	0.00	0	120.00	480
FD/ID Fan Bldgs - HVAC & Ducting	TN	1	31.70	31.70	264.00	8,369	0.00	0	120.00	3,804
Fiberglass-reinforced Piping (FRP)	TN	1	2.03	2.03	78.00	158	69.00	140	0.00	0
Piping, Valves Under 4" - Steel	TN	1	4.12	4.12	426.00	1,757	0.00	0	120.00	495
Piping, Valves 4" to 8" - Steel	TN	1	9.61	9.61	264.00	2,536	0.00	0	120.00	1,153
Piping, Valves Under 4" - Cast Iron	TN	1	17.19	17.19	426.00	7,323	0.00	0	120.00	2,063
Piping, Valves 4" to 8" - Cast Iron	TN	1	74.01	74.01	264.00	19,540	0.00	0	120.00	8,882
Piping, Valves Over 8" - Cast Iron	TN	1	51.23	51.23	198.00	10,144	0.00	0	120.00	6,148
Piping (underground) - Cast Iron	TN	1	7.72	7.72	360.00	2,780	0.00	0	120.00	927
Subtotal						4,153,908		2,379,732		762,641
Total Account 311						4,801,284		2,701,065		934,841
FERC Account 312										
Boiler Plant Service Equipment										
Boiler Plant Equipment										
Boiler Structural Steel	TN	1	7,414.00	7,414.00	198.00	1,467,972	0.00	0	120.00	889,680
Boiler Top Steel	TN	1	3,300.00	3,300.00	198.00	653,400	0.00	0	120.00	396,000
Grating, Checkerplate, Handrailing	TN	1	836.00	836.00	426.00	356,136	0.00	0	120.00	100,320
Buckstays	TN	1	917.10	917.10	426.00	390,685	0.00	0	120.00	110,052
Flues & Ducts	TN	1	1,809.08	1,809.08	264.00	477,597	0.00	0	120.00	217,090
APH Support Steel	TN	1	1,094.00	1,094.00	264.00	288,816	0.00	0	120.00	131,280
Coal Conduit - Steel	TN	1	1,008.00	1,008.00	264.00	266,112	0.00	0	120.00	120,960
Steam Generation Unit - including:										
Steam Drum (Drum, Internals, Supports)	TN	2	443.55	887.10	198.00	175,646	0.00	0	120.00	106,452
Burner Area	TN	1	879.00	879.00	198.00	174,042	0.00	0	120.00	105,480
Penthouse Area	TN	1	434.00	434.00	198.00	85,932	0.00	0	120.00	52,080

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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
Heat Recovery Area	TN	1	2,935.00	2,935.00	198.00	581,130	0.00	0	120.00	352,200
Hopper Area	TN	1	1,921.00	1,921.00	198.00	380,358	0.00	0	120.00	230,520
Water Walls/ Headers	TN	1	2,056.00	2,056.00	198.00	407,088	0.00	0	120.00	246,720
Downcomers	TN	1	858.00	858.00	198.00	169,884	0.00	0	120.00	102,960
Air Preheater/ Steam Coil Heater	TN	2	1,455.00	2,910.00	198.00	576,180	0.00	0	120.00	349,200
Superheater	TN	2	294.00	588.00	198.00	116,424	0.00	0	120.00	70,560
Reheater	TN	2	1,102.50	2,205.00	198.00	436,590	0.00	0	120.00	264,600
Economizer	TN	2	492.20	984.40	198.00	194,911	0.00	0	120.00	118,128
Dampers	TN	1	440.54	440.54	198.00	87,227	0.00	0	120.00	52,865
Speed Reducers	TN	1	295.00	295.00	264.00	77,880	0.00	0	120.00	35,400
Steam Sampling System	TN	2	1.50	3.00	264.00	792	0.00	0	120.00	360
Blr Setting Insulation	CY	1	8,148.00	8,148.00	60.00	488,880	5.00	40,740	0.00	0
Soot Blower	TN	116	1.88	217.50	264.00	57,420	0.00	0	120.00	26,100
Soot Blower Supports	TN	1	40.00	40.00	264.00	10,560	0.00	0	120.00	4,800
Safety/ Relief Valves & Silencers	TN	1	21.00	21.00	264.00	5,544	0.00	0	120.00	2,520
Instrument Air Compressor/ Coolers	TN	4	11.15	44.60	198.00	8,831	0.00	0	120.00	5,352
Instrument Air Compressor Motor	TN	4	6.16	24.64	264.00	6,504	0.00	0	120.00	2,956
Instrument Air Dryer	TN	2	1.65	3.30	264.00	871	0.00	0	120.00	396
Instrument Air Receiver	TN	2	3.85	7.70	264.00	2,033	0.00	0	120.00	924
Instrument Air Piping, Vlvs Under 4" - Steel	TN	1	154.41	154.41	426.00	65,778	0.00	0	120.00	18,529
Instrument Air Piping, Vlvs 4" to 8" - Steel	TN	1	5.82	5.82	264.00	1,537	0.00	0	120.00	699
Instrument Air Piping, Valves Over 8" - Steel	TN	1	2.98	2.98	198.00	591	0.00	0	120.00	358
Instr Air Compressor Foundations - Reinf Conc	CY	1	360.00	360.00	78.00	28,080	69.00	24,840	0.00	0
F/D & Primary Air Fans, Blowers & Accessories	TN	2	452.50	905.00	198.00	179,190	0.00	0	120.00	108,600
Forced Draft/ Prmry Air Fan Fndtns - Rnf Conc	CY	1	1,772.00	1,772.00	78.00	138,216	69.00	122,268	0.00	0
HVAC Ductwork	TN	1	165.60	165.60	264.00	43,718	0.00	0	120.00	19,872
Subtotal						8,402,554		187,848		4,244,012
Boiler Plant Auxiliaries										
Feed Water System										
#1 Feedwater Heater - HP	TN	2	139.25	278.50	198.00	55,143	0.00	0	120.00	33,420
#2 Feedwater Heater - HP	TN	2	133.40	266.80	198.00	52,826	0.00	0	120.00	32,016
#3 Feedwater Heater - IP	TN	2	39.35	78.70	198.00	15,583	0.00	0	120.00	9,444
#4 Feedwater Deaerator Heater	TN	2	85.12	170.24	198.00	33,708	0.00	0	120.00	20,429
#5 Feedwater Heater - LP	TN	2	21.30	42.60	198.00	8,435	0.00	0	120.00	5,112
#6 Feedwater Heater - LP	TN	2	28.70	57.40	198.00	11,365	0.00	0	120.00	6,888
#7 Feedwater Heater A&B - LP	TN	2	41.70	83.40	198.00	16,513	0.00	0	120.00	10,008
#8 Feedwater Heater A&B - LP	TN	2	26.00	52.00	198.00	10,296	0.00	0	120.00	6,240
Boiler Feed Pump/ Baseplate	TN	4	21.50	86.00	198.00	17,028	0.00	0	120.00	10,320
Boiler Feed Pump Turbine	TN	4	53.50	214.00	198.00	42,372	0.00	0	120.00	25,680
Turbine Control Console	TN	4	2.25	9.00	264.00	2,376	0.00	0	120.00	1,080
Turbine L/O System Tank, HP Vlv, Cooler, etc.	TN	4	8.09	32.34	264.00	8,538	0.00	0	120.00	3,881
Turbine LP Stop Valve	TN	4	7.70	30.80	264.00	8,131	0.00	0	120.00	3,696
Boiler Feed Pump/ Trbn Pedestal - Reinf Conc	CY	1	1,706.00	1,706.00	78.00	133,068	69.00	117,714	0.00	0
Boiler Feed Booster Pump/ Speed Changer	TN	4	5.45	21.80	264.00	5,755	0.00	0	120.00	2,616
Heater Drain Pump	TN	2	6.89	13.78	264.00	3,637	0.00	0	120.00	1,653
Heater Drain Pump Motor	TN	2	2.50	4.99	264.00	1,317	0.00	0	120.00	599
LP Heater Drain Tank - Steel	TN	2	6.66	13.32	264.00	3,516	0.00	0	120.00	1,598
Steam Coil Air Heater Drain Tank	TN	2	1.80	3.60	264.00	950	0.00	0	120.00	432
Boiler Cold Fill Pump w/ Motor	TN	2	3.06	6.13	264.00	1,617	0.00	0	120.00	735
Condensate Storage Tank - Steel	TN	2	81.60	163.20	198.00	32,314	0.00	0	120.00	19,584
Condensate Strg Tank Foundation - Reinf Conc	CY	1	216.00	216.00	78.00	16,848	69.00	14,904	0.00	0
Steam & Water Sample Analysis Cabinet - Steel	TN	2	3.40	6.80	264.00	1,795	0.00	0	120.00	816
Steam & Wtr Sample Analysis Monitoring Board	TN	2	1.90	3.80	264.00	1,003	0.00	0	120.00	456

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Hydrazine System - tanks, pumps, skid (steel)	TN	2	2.50	5.00	264.00	1,320	0.00	0	120.00	600
Ammonia System - tanks, pumps, skid (steel)	TN	2	2.50	5.00	264.00	1,320	0.00	0	120.00	600
Phosphate System - tanks, pumps, skid (steel)	TN	2	2.75	5.50	264.00	1,452	0.00	0	120.00	660
Ammonium Hydroxide Storage Tank - Steel	TN	2	2.75	5.50	264.00	1,452	0.00	0	120.00	660
Piping, Vlvs Under 4" - Steel	TN	1	10.92	10.92	426.00	4,654	0.00	0	120.00	1,311
Piping, Vlvs 4" to 8" - Steel	TN	1	47.75	47.75	264.00	12,606	0.00	0	120.00	5,730
Piping, Vlvs Over 8" - Steel	TN	1	246.54	246.54	198.00	48,815	0.00	0	120.00	29,585
System Insulation	CY	1	91.39	91.39	60.00	5,483	5.00	457	0.00	0
Subtotal						561,238		133,075		235,849
Boiler Plant Piping - All Systems										
Piping, Vlvs Under 4" - Steel	TN	1	115.82	115.82	426.00	49,338	0.00	0	120.00	13,898
Piping, Vlvs 4" to 8" - Steel	TN	1	159.23	159.23	264.00	42,038	0.00	0	120.00	19,108
Piping, Vlvs Over 8" - Steel	TN	1	1,047.09	1,047.09	198.00	207,324	0.00	0	120.00	125,651
System Insulation	CY	1	103.94	103.94	60.00	6,236	5.00	520	0.00	0
Subtotal						304,936		520		158,657
Induced Draft Equipment										
Induced Draft Fan/ Hydraulic Coupling	TN	8	82.15	657.20	198.00	130,126	0.00	0	120.00	78,864
Induced Draft Fan Motor	TN	8	15.00	120.00	198.00	23,760	0.00	0	120.00	14,400
Induced Draft Fan Lube Oil Supply Unit	TN	8	1.15	9.20	264.00	2,429	0.00	0	120.00	1,104
ID Fan/ Motor Foundations - Reinf Concrete	CY	1	4,285.00	4,285.00	78.00	334,230	69.00	295,665	0.00	0
System Insulation	CY	1	135.60	135.60	60.00	8,136	5.00	678	0.00	0
Subtotal						498,680		296,343		94,368
Electrostatic Precipitator										
Precipitator Foundations - Reinf Conc	CY	1	9,621.00	9,621.00	78.00	750,438	69.00	663,849	0.00	0
Assembled Precipitator - Steel	TN	2	5,581.30	11,162.60	198.00	2,210,195	0.00	0	120.00	1,339,512
Precipitator Support Steel	TN	1	1,002.50	1,002.50	198.00	198,495	0.00	0	120.00	120,300
Ductwork - Steel	TN	1	1,666.00	1,666.00	198.00	329,868	0.00	0	120.00	199,920
Ductwork Support Steel	TN	1	625.60	625.60	264.00	165,158	0.00	0	120.00	75,072
Platforms, Stairs & Walkways - Steel	TN	1	391.60	391.60	426.00	166,822	0.00	0	120.00	46,992
Platforms, Stairs & Walkways Support Steel	TN	1	167.80	167.80	264.00	44,299	0.00	0	120.00	20,136
Subtotal						3,865,275		663,849		1,801,932
Flue Gas Desulfurization System (FGDS)										
FDGS Foundations - Reinforced Concrete	CY	1	16,004.00	16,004.00	78.00	1,248,312	69.00	1,104,276	0.00	0
Absorber Tower - Steel	TN	6	314.67	1,888.00	198.00	373,824	0.00	0	120.00	226,560
Absorber Tower Agitator/ Motor	TN	30	1.50	44.91	264.00	11,856	0.00	0	120.00	5,389
Absorber Tower Damper	TN	14	20.00	280.00	198.00	55,440	0.00	0	120.00	33,600
Absorber Feed Tank	TN	6	91.83	551.00	198.00	109,098	0.00	0	120.00	66,120
Absorber Feed Pump/ Motor	TN	24	13.30	319.20	198.00	63,202	0.00	0	120.00	38,304
Absorber Feed Tank Agitator/ Motor	TN	6	7.37	44.23	264.00	11,676	0.00	0	120.00	5,307
Absorber Feed Hydroclones	TN	1	5.70	5.70	426.00	2,428	0.00	0	120.00	684
Quencher Hydroclones	TN	1	9.60	9.60	426.00	4,090	0.00	0	120.00	1,152
Quencher Hydroclone Pump/ Motor	TN	12	12.40	148.80	198.00	29,462	0.00	0	120.00	17,856
Well Water Tank	TN	2	19.00	38.00	198.00	7,524	0.00	0	120.00	4,560
Well Water Deluge Pump/ Motor	TN	6	2.05	12.32	264.00	3,251	0.00	0	120.00	1,478
Waste Slurry Storage Tank	TN	2	77.50	155.00	198.00	30,690	0.00	0	120.00	18,600
Waste Slurry Tank Agitator/ Motor	TN	4	4.35	17.40	264.00	4,594	0.00	0	120.00	2,088
Oxidation Air Compressor/ Motor	TN	5	14.97	74.86	198.00	14,823	0.00	0	120.00	8,984
Waste Transfer Tank	TN	6	4.50	27.00	264.00	7,128	0.00	0	120.00	3,240
Waste Transfer Pump/ Motor & Agitator/ Motor	TN	6	1.28	7.66	264.00	2,021	0.00	0	120.00	919
Flues	TN	1	1,652.00	1,652.00	198.00	327,096	0.00	0	120.00	198,240

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Reheater System Support Steel	TN	1	1,254.00	1,254.00	198.00	248,292	0.00	0	120.00	150,480
Reheater	TN	2	28.33	56.66	198.00	11,219	0.00	0	120.00	6,799
Reheater Fan	TN	4	27.85	111.40	198.00	22,057	0.00	0	120.00	13,368
Reheater Fan Motor - 350 hp	TN	4	3.85	15.40	264.00	4,066	0.00	0	120.00	1,848
Reheater Accessories	TN	1	655.00	655.00	198.00	129,690	0.00	0	120.00	78,600
Reheater Outlet Damper	TN	2	6.25	12.50	264.00	3,300	0.00	0	120.00	1,500
Expansion Joints	TN	1	20.86	20.86	264.00	5,507	0.00	0	120.00	2,503
Pipe Racks & Cable Trays Support Steel	TN	1	289.00	289.00	264.00	76,296	0.00	0	120.00	34,680
FGDS Control Board - Steel	TN	2	1.75	3.50	264.00	924	0.00	0	120.00	420
FGDS Waste Disposal Control Console - Steel	TN	2	1.00	2.00	264.00	528	0.00	0	120.00	240
Stack Emission Monitoring Cabinet - Steel	TN	2	1.00	2.00	264.00	528	0.00	0	120.00	240
Fiberglass-reinforced Piping	TN	1	23.36	23.36	426.00	9,952	0.00	0	120.00	2,803
Piping, Vlvs Under 4" - Steel	TN	1	27.88	27.88	426.00	11,875	0.00	0	120.00	3,345
Piping, Vlvs 4"-8" - Steel	TN	1	64.21	64.21	264.00	16,952	0.00	0	120.00	7,705
Piping, Vlvs Over 8" - Steel	TN	1	330.31	330.31	198.00	65,402	0.00	0	120.00	39,638
Subtotal						2,913,103		1,104,276		977,251
Ash Handling Area										
Foundations - Reinforced Concrete	CY	1	3,999.00	3,999.00	78.00	311,922	69.00	275,931	0.00	0
Structural Steel	TN	1	100.00	100.00	198.00	19,800	0.00	0	120.00	12,000
Space Heater Control Panel/Fan Isolator Panel	TN	2	3.86	7.72	264.00	2,038	0.00	0	120.00	926
Forced Draft Fan Control Panel	TN	6	3.48	20.85	264.00	5,504	0.00	0	120.00	2,502
Induced Draft Fan Control Panel	TN	16	4.45	71.14	264.00	18,780	0.00	0	120.00	8,536
Bottom Ash Control Board	TN	2	5.00	10.00	264.00	2,640	0.00	0	120.00	1,200
Fly Ash Control Board/ Pedestal	TN	2	2.13	4.25	264.00	1,122	0.00	0	120.00	510
Fly Ash Master Logic Cabinet/ Pedestal	TN	2	4.00	8.00	264.00	2,112	0.00	0	120.00	960
Fly Ash Handling System 1A/2A Logic Cabinet	TN	2	1.75	3.50	264.00	924	0.00	0	120.00	420
Fly Ash Handling System 1B/2B Logic Cabinet	TN	2	1.75	3.50	264.00	924	0.00	0	120.00	420
Fly Ash Handling System 1C/2C Logic Cabinet	TN	2	1.50	3.00	264.00	792	0.00	0	120.00	360
Mill Reject Tanks - Steel (total)	TN	1	73.21	73.21	198.00	14,495	0.00	0	120.00	8,785
Ash Hoppers - Steel (total)	TN	1	206.24	206.24	198.00	40,836	0.00	0	120.00	24,749
Adaptor/ Slide Plates - Steel	TN	1	7.30	7.30	426.00	3,108	0.00	0	120.00	875
Nonsaleable Ash Conveyor Blower/ Motor	TN	4	1.87	7.46	264.00	1,969	0.00	0	120.00	895
Nonsaleable Ash Fluidizing Blower/ Motor	TN	4	3.41	13.63	264.00	3,599	0.00	0	120.00	1,636
Fly Ash Precipitator Fluidizing Blower/ Motor	TN	4	2.98	11.90	264.00	3,142	0.00	0	120.00	1,428
Fly Ash Precipitator Conveyor Blower/ Motor	TN	6	8.93	53.55	264.00	14,137	0.00	0	120.00	6,426
Silo Conveying Blower/ Motor	TN	6	1.87	11.19	264.00	2,954	0.00	0	120.00	1,343
Bottom Ash Slurry Pump/ Motor	TN	4	6.06	24.25	264.00	6,402	0.00	0	120.00	2,910
Bottom Ash Collection Conveyor	TN	2	8.33	16.67	264.00	4,400	0.00	0	120.00	2,000
Pyrites Collection Conveyor	TN	2	8.33	16.67	264.00	4,400	0.00	0	120.00	2,000
Clinker Grinder	TN	8	3.54	28.36	264.00	7,486	0.00	0	120.00	3,403
Flanged Tees - Steel	TN	1	34.64	34.64	426.00	14,755	0.00	0	120.00	4,156
Idlers - Steel	TN	1	6.03	6.03	426.00	2,567	0.00	0	120.00	723
Air Lock Assembly - Steel	TN	178	1.00	178.00	264.00	46,992	0.00	0	120.00	21,360
Exhaust Silencers - Steel	TN	1	8.70	8.70	426.00	3,704	0.00	0	120.00	1,043
Refractory	CY	1	194.43	194.43	31.20	6,066	69.00	13,416	0.00	0
Bottom Ash Area Sump Pump/ Motor	TN	6	2.29	13.74	264.00	3,627	0.00	0	120.00	1,649
Economizer Hopper Pressurized Ash Fdr (total)	TN	1	10.20	10.20	264.00	2,693	0.00	0	120.00	1,224
Air Preheater Hopper Press Ash Feeder (total)	TN	1	13.60	13.60	264.00	3,590	0.00	0	120.00	1,632
Precip Hopper Pressurized Ash Feeder (total)	TN	1	151.20	151.20	264.00	39,917	0.00	0	120.00	18,144
Precip Ash Strg Silo Pressurized Ash Feeder	TN	16	1.20	19.20	264.00	5,069	0.00	0	120.00	2,304
Nonsaleable Ash Strg Silo Pressurized Ash Fdr	TN	8	1.20	9.60	264.00	2,534	0.00	0	120.00	1,152
Stairs, Ladders, Handrailing, Walkways	TN	1	79.21	79.21	426.00	33,743	0.00	0	120.00	9,505
Piping, Vlvs 4" to 8" - Steel	TN	1	791.72	791.72	264.00	209,015	0.00	0	120.00	95,007

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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 Over 8" - Steel	TN	1	639.05	639.05	198.00	126,531	0.00	0	120.00	76,686
Subtotal						974,290		289,347		318,870
Coal Silo Bays										
Structural Steel	TN	1	3,281.00	3,281.00	198.00	649,638	0.00	0	120.00	393,720
Deck Grating - Steel (2,885 sf)	TN	1	15.58	15.58	426.00	6,637	0.00	0	120.00	1,869
Handrailing - Steel (2,190 lf)	TN	1	10.95	10.95	426.00	4,665	0.00	0	120.00	1,314
Ladders/ Stairs - Steel	TN	1	74.00	74.00	426.00	31,524	0.00	0	120.00	8,880
Grade Floor - Reinforced Concrete	CY	1	257.00	257.00	78.00	20,046	69.00	17,733	0.00	0
Floor Slab - Reinforced Concrete	CY	1	545.00	545.00	78.00	42,510	69.00	37,605	0.00	0
Steel Siding (32,466 sf)	TN	1	40.58	40.58	264.00	10,714	0.00	0	120.00	4,870
Built-up Roofing (19,100 sf)	CY	1	26.74	26.74	31.20	834	69.00	1,845	0.00	0
Roof Plating (18,620 sf)	TN	1	27.93	27.93	426.00	11,898	0.00	0	120.00	3,352
Walls - Conc Block (700 sf)	CY	1	11.58	11.58	31.20	361	69.00	799	0.00	0
HVAC Ductwork - Steel	TN	1	53.74	53.74	264.00	14,187	0.00	0	120.00	6,449
Silo Bay Misc. Foundations - Reinf Conc	CY	1	2,200.00	2,200.00	78.00	171,600	69.00	151,800	0.00	0
Subtotal						964,614		209,782		420,454
Miscellaneous Equipment & Steel	TN	1	353.48	353.48	426.00	150,582	0.00	0	120.00	42,418
Total Account 312						18,635,274		2,885,039		8,293,810
FERC Account 314										
Turbogenerator Unit										
Turbogenerator Equipment										
Turbine Pedestal - Reinforced Concrete	CY	1	6,252.00	6,252.00	78.00	487,656	69.00	431,388	0.00	0
Turbine Generator	TN	2	487.77	975.55	150.00	146,332	0.00	0	120.00	117,066
Exciter	TN	2	28.36	56.72	198.00	11,231	0.00	0	120.00	6,806
Generator Copper	TN	1	41.63	41.63	588.00	24,480	0.00	0	5,000.00	208,160
Main Lube Oil Cooler	TN	4	5.00	20.00	264.00	5,280	0.00	0	120.00	2,400
Lube Oil Conditioning System - Steel	TN	2	4.50	9.00	264.00	2,376	0.00	0	120.00	1,080
Lube Oil Batch Tank - Steel	TN	2	4.12	8.24	264.00	2,175	0.00	0	120.00	989
Piping, Vlvs Under 4" - Steel	TN	1	12.68	12.68	426.00	5,402	0.00	0	120.00	1,522
Piping, Vlvs 4" to 8" - Steel	TN	1	12.39	12.39	264.00	3,270	0.00	0	120.00	1,486
Piping, Vlvs Over 8" - Steel	TN	1	9.02	9.02	198.00	1,786	0.00	0	120.00	1,083
System Insulation	CY	1	14.33	14.33	60.00	860	5.00	72	0.00	0
Subtotal						690,847		431,460		340,591
Condenser										
Condenser Shell - Steel	TN	2	508.70	1,013.40	264.00	267,538	0.00	0	120.00	121,608
Condenser Tubes - Titanium	TN	1	324.40	324.40	426.00	138,194	0.00	0	4,000.00	1,297,600
Subtotal						405,732		0		1,419,208
Circulating Water System										
Circ Water Pump/ Baseplate	TN	4	15.22	60.88	198.00	12,054	0.00	0	120.00	7,306
Circ Water Pump Motor	TN	4	15.50	62.00	198.00	12,276	0.00	0	120.00	7,440
Circ Water Booster Pump/ Motor	TN	4	3.90	15.60	264.00	4,118	0.00	0	120.00	1,872
Circ Water Piping/ Elbows - 108" Concrete	TN	1	7,684.31	7,684.31	299.00	2,297,609	0.00	0	0.00	0
Piping, Vlvs 4"-8" - Steel	TN	1	3.58	3.58	264.00	946	0.00	0	120.00	430
Piping, Vlvs Over 8" - Steel	TN	1	51.24	51.24	198.00	10,145	0.00	0	120.00	6,149
Subtotal						2,337,149		0		23,196
Auxiliary Equipment										
Condensate Pump	TN	6	15.00	89.98	198.00	17,816	0.00	0	120.00	10,798

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Condensate Pump Motor	TN	6	4.78	28.65	264.00	7,564	0.00	0	120.00	3,438
Condensate Pmps/Mtrs Foundation - Reinf Conc	CY	1	1,014.00	1,014.00	78.00	79,092	69.00	69,966	0.00	0
Mechanical Vacuum Pump/ Motor	TN	6	3.00	18.00	264.00	4,752	0.00	0	120.00	2,160
Condenser Exhauster (skid-mounted)	TN	2	7.50	15.00	264.00	3,960	0.00	0	120.00	1,800
Steam Packing Exhauster	TN	2	5.45	10.90	264.00	2,878	0.00	0	120.00	1,308
Piping, Vlvs Under 4" - Steel	TN	1	21.51	21.51	426.00	9,162	0.00	0	120.00	2,581
Piping, Vlvs 4"-8" - Steel	TN	1	30.30	30.30	264.00	7,999	0.00	0	120.00	3,636
Piping, Vlvs Over 8" - Steel	TN	1	220.16	220.16	198.00	43,592	0.00	0	120.00	26,419
Piping Insulation	CY	1	50.17	50.17	60.00	3,010	5.00	251	0.00	0
Subtotal						179,824		70,217		52,140
Closed Cooling Water System										
Closed Cooling Water Pump/ Baseplate	TN	8	3.05	24.40	264.00	6,442	0.00	0	120.00	2,928
Closed Cooling Water Pump Motor	TN	8	6.43	51.44	264.00	13,580	0.00	0	120.00	6,173
Closed Cooling Water Heat Exchanger	TN	6	13.35	80.10	198.00	15,860	0.00	0	120.00	9,612
Closed Cooling Water Heater Drain Tank	TN	2	1.85	3.70	264.00	977	0.00	0	120.00	444
Piping, Vlvs Under 4" - Steel	TN	1	13.87	13.87	426.00	5,909	0.00	0	120.00	1,664
Piping, Vlvs 4" to 8" - Steel	TN	1	52.17	52.17	264.00	13,774	0.00	0	120.00	6,261
Piping, Vlvs Over 8" - Steel	TN	1	82.17	82.17	198.00	16,270	0.00	0	120.00	9,861
Subtotal						72,811		0		36,943
Cooling Tower										
Foundation - Reinf Conc	CY	1	15,916.00	15,916.00	78.00	1,241,448	69.00	1,098,204	0.00	0
Diagonal Columns - Reinf Conc	CY	1	2,419.00	2,419.00	78.00	188,682	69.00	166,911	0.00	0
Misc Structures - Reinf Conc	CY	1	220.00	220.00	78.00	17,160	69.00	15,180	0.00	0
Veil - Reinf Conc	CY	1	24,767.00	24,767.00	78.00	1,931,826	69.00	1,708,923	0.00	0
Thrust Blocks - Reinf Conc	CY	1	200.00	200.00	78.00	15,600	69.00	13,800	0.00	0
Fill Support & Flume - Reinf Conc	CY	1	5,896.00	5,896.00	78.00	459,888	69.00	406,824	0.00	0
Precast Fabrication - Reinf Conc	CY	1	4,654.00	4,654.00	78.00	363,012	69.00	321,126	0.00	0
PVC Fill (652,000 cf)	CY	1	3,340.00	3,340.00	78.00	260,520	69.00	230,460	0.00	0
Blowdown Pump/ Motor	TN	4	2.83	11.30	264.00	2,983	0.00	0	120.00	1,356
Blowdown Pump Pit/Thrust Blocks - Reinf Conc	CY	1	1,044.00	1,044.00	78.00	81,432	69.00	72,036	0.00	0
Blowdown Pump Area - Misc. Steel	TN	1	105.00	105.00	426.00	44,730	0.00	0	120.00	12,600
Interior Walkway (1,350 lf)	TN	2	20.25	40.50	264.00	10,692	0.00	0	120.00	4,860
Exterior Vertical Caged Ladder	TN	2	4.99	9.98	264.00	2,635	0.00	0	120.00	1,198
Subtotal						4,620,608		4,033,464		20,014
Cooling Tower Chlorination System										
Liquid Chiller Unit	TN	2	4.00	8.00	264.00	2,112	0.00	0	120.00	960
Chlorine Generator (skid-mounted)	TN	4	2.97	11.88	264.00	3,137	0.00	0	120.00	1,426
ChlorMaster Console Console	TN	2	5.00	10.00	264.00	2,640	0.00	0	120.00	1,200
Storage Tank - Fiberglass	CY	8	1.03	8.24	31.20	257	69.00	569	0.00	0
Subtotal						8,146		569		3,586
Miscellaneous Equipment & Steel	TN	1	48.24	48.24	426.00	20,548	0.00	0	120.00	5,788
Total Account 314						8,335,666		4,535,709		1,901,466
FERC Account 315										
Accessory Electrical Equipment										
Power Conversion Equipment										
6900V Metal Clad Switchgear	TN	2	128.40	256.81	198.00	50,848	0.00	0	120.00	30,817
6900V Non-segregated Phase Bus	TN	1	126.17	126.17	720.00	90,843	0.00	0	5,000.00	630,856
480V Power Control Centers (total)	TN	1	175.49	175.49	264.00	46,330	0.00	0	120.00	21,059

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480V Motor Control Center	TN	30	2.40	72.00	264.00	19,008	0.00	0	120.00	8,640
Auxillary Transformer Shell, Tank, Fittings	TN	4	26.20	104.78	198.00	20,746	0.00	0	120.00	12,574
Auxillary Transformer Copper	TN	1	198.22	198.22	444.00	88,010	0.00	0	5,000.00	991,100
Isolated Phase Bus Duct (aluminum)	TN	1	566.00	566.00	720.00	407,520	0.00	0	1,340.00	758,440
AC/DC Rectifier - Cooling Tower Chlorination	TN	2	5.00	10.00	264.00	2,640	0.00	0	120.00	1,200
Electrostatic Precipitator Electrical Eqpmnt	TN	1	750.00	750.00	264.00	198,000	0.00	0	120.00	90,000
Batteries (total)	TN	1	36.00	36.00	426.00	15,336	0.00	0	0.00	0
Battery Chargers (total)	TN	1	3.60	3.60	426.00	1,534	0.00	0	120.00	432
Uninterruptable Power Supply System	TN	2	23.27	46.54	264.00	12,287	0.00	0	120.00	5,585
Conduit (exposed) - Steel	TN	1	337.80	337.80	426.00	143,902	0.00	0	120.00	40,536
Conduit Ductbank - Reinf Conc	CY	1	15,261.00	15,261.00	78.00	1,190,358	69.00	1,053,009	0.00	0
Cable Tray - Steel	TN	1	274.05	274.05	426.00	116,745	0.00	0	120.00	32,886
Cable Tray Support Steel	TN	1	109.62	109.62	264.00	28,940	0.00	0	120.00	13,154
Insulated Copper Wiring	TN	1	1,822.60	1,822.60	720.00	1,312,270	0.00	0	2,100.00	3,827,454
Ground Wire - Bare Copper	TN	1	105.63	105.63	720.00	76,054	0.00	0	5,000.00	528,153
FD/ID Fan Bldg - Transformer Shell,Tank,Ftng	TN	4	3.50	13.99	264.00	3,695	0.00	0	120.00	1,679
FD/ID Fan Bldg - Transformer Shell,Tank,Ftng	TN	2	3.44	6.88	264.00	1,816	0.00	0	120.00	826
FD/ID Fan Bldg - Transformer Shell,Tank,Ftng	TN	8	5.04	40.32	198.00	7,983	0.00	0	120.00	4,838
FD/ID Fan Bldg - Transformer Copper	TN	1	85.39	85.39	444.00	37,915	0.00	0	5,000.00	426,972
FD/ID Fan Bldg - FD Fan Reactor	TN	6	3.28	19.65	264.00	5,188	0.00	0	120.00	2,358
FD/ID Fan Bldg - ID Fan Reactor	TN	8	6.85	54.80	264.00	14,467	0.00	0	120.00	6,576
Total Account 315						3,892,434		1,053,009		7,436,134
FERC Account 316										
Misc. Power Plant Equipment										
Station Air Compressor/ Coolers	TN	4	11.15	44.60	198.00	8,831	0.00	0	120.00	5,352
Station Air Compressor Motor	TN	4	6.16	24.64	264.00	6,504	0.00	0	120.00	2,956
Station Air Receiver	TN	2	3.85	7.70	264.00	2,033	0.00	0	120.00	924
Station Air Foundation - Reinf Conc	CY	1	360.00	360.00	78.00	28,080	69.00	24,840	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	18.96	18.96	426.00	8,077	0.00	0	120.00	2,275
Piping, Vlvs 4" to 8" - Steel	TN	1	27.29	27.29	264.00	7,205	0.00	0	120.00	3,275
Piping, Vlvs Over 8" - Steel	TN	1	8.97	8.97	198.00	1,776	0.00	0	120.00	1,076
Total Account 316						62,506		24,840		15,859
TOTAL ST. JOHNS UNITS 1 & 2						35,727,163		11,199,662		18,582,111
COAL & LIMESTONE FACILITIES										
FERC Account 311										
Improvements to Site										
Coal Terminal - General										
Roads (asphalt) - 18,980 sf	CY	1	117.00	117.00	31.20	3,650	69.00	8,073	0.00	0
Walks, Parking (asphalt) - 5,376 sf	CY	1	33.00	33.00	31.20	1,030	69.00	2,277	0.00	0
Vehicle Washdown Area - Reinforced Concrete	CY	1	36.00	36.00	78.00	2,808	69.00	2,484	0.00	0
Sewer Piping - PVC (6"-1,540 lf)	CY	1	4.24	4.24	31.20	132	69.00	292	0.00	0
Firemain Piping - PVC (10"-1,100 lf)	CY	1	7.92	7.92	31.20	247	69.00	546	0.00	0
Firemain Piping - Steel (720 lf + 4 hydrants)	TN	1	8.89	8.89	360.00	3,200	0.00	0	120.00	1,067
Potable Water Ppng, Vlvs - PVC (6"-1,100 lf)	CY	1	3.03	3.03	31.20	94	69.00	209	0.00	0
Service Water Piping, Valves - Steel (240 lf)	TN	1	1.15	1.15	360.00	415	0.00	0	120.00	138
Fencing (4,600 lf) - Steel	TN	1	11.50	11.50	426.00	4,899	0.00	0	120.00	1,380
Misc. Pump & Tank Foundations - Reinf Conc	CY	1	20.00	20.00	78.00	1,560	69.00	1,380	0.00	0
Subtotal						18,036		15,261		2,585
Coal Terminal - Service Building										
Foundation - Reinforced Concrete	CY	1	219.00	219.00	78.00	17,082	69.00	15,111	0.00	0

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Structural Steel	TN	1	27.00	27.00	198.00	5,348	0.00	0	120.00	3,240
Partitions - Concrete Block (1,500 sf)	CY	1	24.81	24.81	31.20	774	69.00	1,712	0.00	0
Steel Siding (9,600 sf)	TN	1	14.40	14.40	264.00	3,802	0.00	0	120.00	1,728
Overhead Crane	TN	1	3.00	3.00	264.00	792	0.00	0	120.00	360
HVAC	TN	1	2.50	2.50	264.00	660	0.00	0	120.00	300
Subtotal						28,456		16,823		5,628
Coal Terminal - Dock & Trestle										
Structure - Reinforced Concrete	CY	1	5421.00	5421.00	78.00	422,838	69.00	374,049	0.00	0
Rails - Steel (1,252 lf @ 175#/yd)	TN	1	36.52	36.52	426.00	15,556	0.00	0	120.00	4,382
Coal Ship Unloader Power Track/ Support Steel	TN	1	15.63	15.63	264.00	4,125	0.00	0	120.00	1,875
Handrailing - Steel (945 lf)	TN	1	4.73	4.73	426.00	2,013	0.00	0	120.00	567
Concrete Planks (132)	CY	1	44.00	44.00	31.20	1,373	69.00	3,036	0.00	0
Bollards - Steel	TN	13	1.50	19.50	264.00	5,148	0.00	0	120.00	2,340
Pier Fender Assembly (buckstays/chain/fender)	TN	11	5.00	55.00	264.00	14,520	0.00	0	120.00	6,600
Beams - 12"x 12" (2,836 lf)	CY	1	51.05	51.05	31.20	1,593	69.00	3,522	0.00	0
Subtotal						467,165		380,607		15,764
Power Park - Coal/ Limestone Handling Structures										
CH/LH Switchgear Bldg Foundation - Reinf Conc	CY	1	316.00	316.00	78.00	24,648	69.00	21,804	0.00	0
Coal/Limestone Hndlng Swgr Bldg - Struc Steel	TN	1	25.80	25.80	198.00	5,108	0.00	0	120.00	3,096
CH/LH Swgr Bldg - Steel Siding (4,100 sf)	TN	1	5.13	5.13	264.00	1,353	0.00	0	120.00	615
Coal Hndlg Admin Bldg Foundation - Reinf Conc	CY	1	50.81	50.81	78.00	3,963	69.00	3,506	0.00	0
Coal Handling Admin Bldg Walls - Reinf Conc	CY	1	42.88	42.88	78.00	3,345	69.00	2,959	0.00	0
Coal Handling Admin Bldg Roof - Reinf Conc	CY	1	21.33	21.33	78.00	1,664	69.00	1,472	0.00	0
Coal Handling Admin Bldg - Structural Steel	TN	1	8.00	8.00	198.00	1,584	0.00	0	120.00	960
Coal Handling Admin Bldg - Steel Siding	TN	1	1.00	1.00	264.00	264	0.00	0	120.00	120
Refuel Station Foundation - Reinf Concrete	CY	1	26.00	26.00	78.00	2,028	69.00	1,794	0.00	0
Subtotal						43,957		31,534		4,791
Total Account 311						557,614		444,226		28,768
FERC Account 312										
Boiler Plant Service Equipment										
Coal Terminal - Conveyor System										
Coal Ship Unloader	TN	1	1652.87	1652.87	198.00	327,268	0.00	0	120.00	198,344
Trusses & Galleries	TN	1	2609.80	2609.80	198.00	516,740	0.00	0	120.00	313,176
Transfer Stations	TN	1	275.50	275.50	198.00	54,549	0.00	0	120.00	33,060
Mechanical Components	TN	1	635.00	635.00	264.00	167,840	0.00	0	120.00	76,200
Platwork - Steel	TN	1	34.50	34.50	264.00	9,108	0.00	0	120.00	4,140
Fire Protection System/ Piping	TN	1	98.00	98.00	264.00	25,872	0.00	0	120.00	11,760
Vacuum Cleaning System/ Piping	TN	1	60.00	60.00	264.00	15,840	0.00	0	120.00	7,200
Conveyor Tower Foundations - Reinf Conc	CY	1	1897.00	1897.00	78.00	147,966	69.00	130,893	0.00	0
Transfer Station Foundations - Reinf Conc	CY	1	181.00	181.00	78.00	14,118	69.00	12,489	0.00	0
Subtotal						1,279,101		143,382		643,880
Stacker & Reclaimer/ Runway										
Coal Stacker	TN	1	50.94	50.94	426.00	21,699	0.00	0	120.00	6,112
Coal Reclaimer	TN	1	50.94	50.94	426.00	21,699	0.00	0	120.00	6,112
Foundations - Reinforced Concrete	CY	1	50.94	50.94	78.00	3,973	69.00	0	0.00	0
Pre-cast Girders (1,714 lf)	CY	1	50.94	50.94	78.00	3,973	69.00	0	0.00	0
Rails - Steel (1,756 lf)	TN	1	50.94	50.94	426.00	21,699	0.00	0	120.00	6,112
Subtotal						73,042		0		18,337

ST. JOHNS RIVER POWER PARK

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
Coal/ Limestone Handling (Dumper) Building										
Structural Steel	TN	1	832.50	832.50	198.00	164,835	0.00	0	120.00	99,900
Deck Grating - Steel (932 sf)	TN	1	5.03	5.03	426.00	2,144	0.00	0	120.00	604
Handrailing (809 lf)	TN	1	4.05	4.05	426.00	1,723	0.00	0	120.00	485
Steel Siding/ Roofing (48,800 lf)	TN	1	61.00	61.00	264.00	16,104	0.00	0	120.00	7,320
Structure & Foundation - Reinforced Concrete	CY	1	14116.00	14116.00	78.00	1,101,048	69.00	974,004	0.00	0
Car Positioner & Drive Shed - Reinf Concrete	CY	1	586.00	586.00	78.00	45,708	69.00	40,434	0.00	0
Car Clamp, Rotation Drive, Wheel Clamp Assembly	TN	1	23.80	23.80	198.00	4,712	0.00	0	120.00	2,856
Rotary Car Dumper Platen/ End Rings - Steel	TN	1	65.39	65.39	198.00	12,946	0.00	0	120.00	7,846
Rotary Car Dumper Hauling Cable	TN	1	2.64	2.64	426.00	1,124	0.00	0	120.00	317
Rotary Car Dumper Trunnion Assemblies	TN	1	5.00	5.00	264.00	1,320	0.00	0	120.00	600
Hydraulic Car Mover Motor - 125 hp	TN	1	1.29	1.29	264.00	341	0.00	0	120.00	155
10-ton Take-up Winch/ Frames	TN	1	11.30	11.30	198.00	2,238	0.00	0	120.00	1,356
Unloading System Logic Cabinets - Steel	TN	1	1.50	1.50	264.00	396	0.00	0	120.00	180
Dust Suppression System Tank/ Pump/ Motor-Stl	TN	1	1.50	1.50	264.00	396	0.00	0	120.00	180
Rotary Car Dump Pit Sump Pump/ Motor	TN	1	1.73	1.73	264.00	457	0.00	0	120.00	208
Bottom Car Dump Pit Sump Pump/ Motor	TN	1	1.73	1.73	264.00	457	0.00	0	120.00	208
Coal Handling Control Board	TN	1	2.50	2.50	264.00	660	0.00	0	120.00	300
Coal Unloading Control Console	TN	1	1.50	1.50	264.00	396	0.00	0	120.00	180
Limestone Handling Control Console	TN	1	1.50	1.50	264.00	396	0.00	0	120.00	180
Tripper Interface Logic Cabinet	TN	1	1.50	1.50	264.00	396	0.00	0	120.00	180
Limestone Rail Car Mover - Mechanical	TN	1	15.25	15.25	264.00	4,026	0.00	0	120.00	1,830
Limestone Rail Car Mover - Hydraulic Unit	TN	1	1.25	1.25	264.00	330	0.00	0	120.00	150
Limestone Feeder	TN	3	3.05	9.14	264.00	2,412	0.00	0	120.00	1,096
Subtotal						1,364,565		1,014,438		126,131
Coal Conveyor System										
Coal Stacker-Reclaimer	TN	1	320.00	320.00	198.00	63,360	0.00	0	120.00	38,400
Coal Stacker-Reclaimer Rails - Steel	TN	1	51.30	51.30	426.00	21,854	0.00	0	120.00	6,156
Coal Stacker-Reclaimer Foundation - Rnf Conc	CY	1	3360.00	3360.00	78.00	262,080	69.00	231,840	0.00	0
Coal Stacker-Reclaimer Aux/ Auto Panel	TN	1	1.00	1.00	264.00	264	0.00	0	120.00	120
Cnvyr Bents/ Take-up Twr Fndtns - Reinf Conc	CY	1	4711.00	4711.00	78.00	367,458	69.00	325,059	0.00	0
Emergency Reclaim Foundation - Reinf Concrete	CY	1	2957.00	2957.00	78.00	230,646	69.00	204,033	0.00	0
Lowering Well Stackout Fndation - Reinf Conc	CY	1	496.00	496.00	78.00	38,688	69.00	34,224	0.00	0
Conveyor Tunnel - Reinforced Concrete	CY	1	3380.00	3380.00	78.00	263,640	69.00	233,220	0.00	0
Coal Crusher Floor - Reinforced Concrete	CY	1	100.00	100.00	78.00	7,800	69.00	6,900	0.00	0
Head House Floor - Reinforced Concrete	CY	1	77.00	77.00	78.00	6,006	69.00	5,313	0.00	0
Coal Crusher/ Handling Bldg - Reinf Concrete	CY	1	1054.00	1054.00	78.00	82,212	69.00	72,726	0.00	0
Conveyor Belting - Rubber w/ Steel Cord	TN	1	146.33	146.33	31.20	4,566	69.00	10,097	0.00	0
CD Magnetic Separator - Magnet	TN	1	8.65	8.65	264.00	2,284	0.00	0	120.00	1,038
CD Magnetic Separator - Separator Unit	TN	1	10.65	10.65	198.00	2,109	0.00	0	120.00	1,278
C-2 Magnetic Separator - Magnet	TN	1	3.90	3.90	264.00	1,030	0.00	0	120.00	468
C-2 Magnetic Separator - Separator Unit	TN	1	5.45	5.45	264.00	1,439	0.00	0	120.00	654
C-3 Magnetic Separator - Magnet	TN	1	2.75	2.75	264.00	726	0.00	0	120.00	330
C-3 Magnetic Separator - Separator Unit	TN	1	3.30	3.30	264.00	871	0.00	0	120.00	396
C-4 Magnetic Separator - Magnet	TN	1	6.15	6.15	264.00	1,624	0.00	0	120.00	738
C-4 Magnetic Separator - Separator Unit	TN	1	7.00	7.00	264.00	1,848	0.00	0	120.00	840
C-1, C-2, C-3, C-4 Conveyor Motors	TN	5	5.10	25.50	264.00	6,732	0.00	0	120.00	3,060
C-5 Conveyor Motor	TN	1	2.04	2.04	264.00	539	0.00	0	120.00	245
C-6 Conveyor Motor	TN	1	1.28	1.28	264.00	337	0.00	0	120.00	153
C-7, C-8 Conveyor Motors	TN	2	3.06	6.12	264.00	1,616	0.00	0	120.00	734
Conveyor System Pulleys	TN	1	164.65	164.65	264.00	43,467	0.00	0	120.00	19,758
Conveyor System Counterweights	TN	1	47.76	47.76	264.00	12,609	0.00	0	120.00	5,732
Conveyor System Speed Reducers/ Couplings	TN	1	54.20	54.20	264.00	14,309	0.00	0	120.00	6,504

ST. JOHNS RIVER POWER PARK

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
Coal Dust Collector System - Plant	TN	1	10.35	10.35	264.00	2,732	0.00	0	120.00	1,242
Coal Dust Collector/ Fan Mtr - Unloading Area	TN	1	4.85	4.85	264.00	1,280	0.00	0	120.00	582
Coal Dust Collector/ Fan Motor - Tower "C"	TN	1	4.73	4.73	264.00	1,247	0.00	0	120.00	567
Coal Dust Collector/ Fan Mtr - Crusher House	TN	1	7.65	7.65	264.00	2,020	0.00	0	120.00	918
Vacuum Cleaning Exhauster/ Motor - Steel	TN	5	1.00	5.00	426.00	2,130	0.00	0	120.00	600
Coal Sampling System	TN	1	15.00	15.00	198.00	2,970	0.00	0	120.00	1,800
Coal Sampling Bucket Elevator	TN	2	8.75	17.50	264.00	4,620	0.00	0	120.00	2,100
Mill & Chemical Motors	TN	1	3.99	3.99	426.00	1,701	0.00	0	120.00	479
Chain Adjuster Assembly	TN	1	1.67	1.67	264.00	441	0.00	0	120.00	200
Structural Steel	TN	1	2505.90	2505.90	198.00	496,168	0.00	0	120.00	300,708
Bents & Galleries - Steel	TN	1	1577.50	1577.50	198.00	312,345	0.00	0	120.00	189,300
Handrailing - Steel (12,370 lf)	TN	1	61.85	61.85	426.00	26,348	0.00	0	120.00	7,422
Deck Grating - Steel (17,816 sf)	TN	1	95.13	95.13	426.00	40,524	0.00	0	120.00	11,415
Steel Roofing/ Siding (246,400 sf)	TN	1	308.00	308.00	264.00	81,312	0.00	0	120.00	36,960
HVAC Ducting - Steel	TN	1	36.78	36.78	264.00	9,710	0.00	0	120.00	4,414
Hoppers/ Feeders - Steel	TN	1	424.70	424.70	198.00	84,091	0.00	0	120.00	50,964
Emergency Reclaim Pit Sump Pump/ Motor	TN	1	1.61	1.61	264.00	426	0.00	0	120.00	194
Coal Crusher - Steel	TN	2	6.74	13.48	264.00	3,557	0.00	0	120.00	1,617
Coal Crusher Motor - 500 hp	TN	2	5.70	11.40	264.00	3,010	0.00	0	120.00	1,368
Tripper Deck Car	TN	2	5.00	10.00	264.00	2,640	0.00	0	120.00	1,200
Tripper Deck Car Speed Reducers	TN	1	1.30	1.30	426.00	554	0.00	0	120.00	156
Tripper Car Pulleys	TN	1	3.63	3.63	426.00	1,546	0.00	0	120.00	436
Tripper Car Rail (60#/yd)	TN	1	32.40	32.40	426.00	13,802	0.00	0	120.00	3,888
Coal Silo - Steel	TN	14	44.79	627.06	198.00	124,158	0.00	0	120.00	75,247
Coal Pulverizer - Steel	TN	14	192.43	2694.00	198.00	533,412	0.00	0	120.00	323,280
Coal Pulverizer Motor	TN	14	6.43	90.02	264.00	23,765	0.00	0	120.00	10,802
Interface Logic Cabinet - Steel	TN	1	2.50	2.50	264.00	660	0.00	0	120.00	300
Fuel Mgmt System Logic Cabinet - Steel	TN	1	2.63	2.63	264.00	693	0.00	0	120.00	315
Subtotal						3,217,974		1,123,412		1,115,078
<u>Limestone Conveyor System & Reagent Area</u>										
Structural Steel	TN	1	192.80	192.80	198.00	38,174	0.00	0	120.00	23,136
Bents & Galleries - Steel	TN	1	80.00	80.00	198.00	15,840	0.00	0	120.00	9,600
Handrailing (1,664 lf)	TN	1	8.32	8.32	426.00	3,544	0.00	0	120.00	998
Deck Grating - Steel (2,545 sf)	TN	1	13.74	13.74	426.00	5,855	0.00	0	120.00	1,649
Roofing/ Siding - Steel (13,900 sf)	TN	1	17.38	17.38	264.00	4,587	0.00	0	120.00	2,085
Hoppers/ Feeders - Steel	TN	1	96.90	96.90	198.00	19,186	0.00	0	120.00	11,628
Conveyor Belting - Rubber w/ Steel Cord	CY	1	8.59	8.59	31.20	268	69.00	593	0.00	0
LD Magnetic Separator - Magnet	TN	1	4.65	4.65	264.00	1,228	0.00	0	120.00	558
LD Magnetic Separator - Separator Unit	TN	1	5.40	5.40	264.00	1,426	0.00	0	120.00	648
Limestone Transfer House - Reinf Concrete	CY	1	517.00	517.00	78.00	40,326	69.00	35,673	0.00	0
L-1 Conveyor Motor	TN	1	3.06	3.06	264.00	808	0.00	0	120.00	367
L-2 Conveyor Motor	TN	1	1.53	1.53	264.00	404	0.00	0	120.00	184
Conveyor System Pulleys	TN	1	19.06	19.06	264.00	5,031	0.00	0	120.00	2,287
Conveyor System Counterweights	TN	1	7.12	7.12	264.00	1,879	0.00	0	120.00	854
Conveyor System Speed Reducers/ Couplings	TN	1	10.74	10.74	264.00	2,836	0.00	0	120.00	1,289
Limestone Slewing Stacker Reducer- Boom Cnvyr	TN	1	3.25	3.25	264.00	858	0.00	0	120.00	390
Limestone Slewing Stacker Reducer - Slew	TN	1	7.50	7.50	264.00	1,980	0.00	0	120.00	900
Limestone Slewing Stacker Reducer - Luffing	TN	1	3.00	3.00	264.00	792	0.00	0	120.00	360
Limestone Reclaim Pit & Tunnel - Reinf Conc	CY	1	1335.00	1335.00	78.00	104,130	69.00	92,115	0.00	0
Limestone Conveyor Tunnel - Reinf Concrete	CY	1	2015.00	2015.00	78.00	157,170	69.00	139,035	0.00	0
Limestone Ball Mill	TN	2	67.36	134.73	198.00	26,676	0.00	0	120.00	16,167
Limestone Ball Mill Motor	TN	2	3.05	6.10	264.00	1,610	0.00	0	120.00	732
Limestone Dust Collector/ Fan Mtr - Unloading	TN	1	4.85	4.85	264.00	1,280	0.00	0	120.00	582

ST. JOHNS RIVER POWER PARK

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
Limestone Dust Collector/ Fan Mtr - Tower "L"	TN	1	4.30	4.30	264.00	1,135	0.00	0	120.00	516
Limestone Silo - Steel	TN	2	41.50	83.00	198.00	16,434	0.00	0	120.00	9,960
Ball Mill Slurry Sump Tank/ Agitator/ Motor	TN	2	3.24	6.48	264.00	1,712	0.00	0	120.00	778
Reagent Prep Enclosure Foundation - Rnf Conc	CY	1	191.27	191.27	78.00	14,919	69.00	13,198	0.00	0
Reagent Preparation Enclosure - Struc Steel	TN	1	165.26	165.26	198.00	32,721	0.00	0	120.00	19,831
Reagent Prep Enclosure Roofing/Siding - Steel	TN	1	7.70	7.70	264.00	2,033	0.00	0	120.00	924
Reagent Preparation Enclosure - Misc. Steel	TN	1	19.12	19.12	426.00	8,145	0.00	0	120.00	2,294
Reagent Feed Tank - Steel	TN	4	49.50	198.00	198.00	39,204	0.00	0	120.00	23,760
Reagent Feed Agitator/ Motor	TN	4	2.00	8.00	264.00	2,112	0.00	0	120.00	960
Subtotal						554,303		280,613		133,438
Dumper Bldg/ Conveyor Systems - Misc. Items										
Conveyor Idlers - Steel	TN	1	247.85	247.85	426.00	105,586	0.00	0	120.00	29,742
Conveyor Backstops - Steel	TN	1	2.51	2.51	426.00	1,070	0.00	0	120.00	302
Gates/ Gate Operators - Steel	TN	1	16.50	16.50	264.00	4,356	0.00	0	120.00	1,980
Belt Scales - Steel	TN	1	16.10	16.10	264.00	4,250	0.00	0	120.00	1,932
Belt Plows & Cleaners - Steel	TN	1	4.53	4.53	426.00	1,929	0.00	0	120.00	543
Hoists & Trolleys	TN	1	15.34	15.34	426.00	6,535	0.00	0	120.00	1,841
Power Tracks - Steel	TN	1	9.21	9.21	264.00	2,430	0.00	0	120.00	1,105
Conveyor Soft Starters - Steel	TN	1	5.20	5.20	264.00	1,373	0.00	0	120.00	624
Piping, Valves Under 4" - Steel	TN	1	14.95	14.95	426.00	6,370	0.00	0	120.00	1,794
Piping, Valves 4" to 8" - Steel	TN	1	323.93	323.93	264.00	85,518	0.00	0	120.00	38,872
Fiberglass-reinforced Piping (FRP)	TN	1	2.50	2.50	31.20	78	69.00	173	0.00	0
Subtotal						219,494		173		78,734
Total Account 312						6,708,478		2,562,018		2,115,598
FERC Account 315										
Accessory Electrical Equipment										
Coal Terminal										
Transformer Shell - Distribution Yard	TN	1	2.30	2.30	264.00	607	0.00	0	120.00	276
Transformer Shell - Distribution Yard	TN	1	1.00	1.00	264.00	264	0.00	0	120.00	120
Transformer Copper	TN	1	3.96	3.96	444.00	1,758	0.00	0	5,000.00	19,800
Conveyor Electrical Equipment	TN	1	97.00	97.00	264.00	25,608	0.00	0	120.00	11,640
Copper Wiring - Bare (37,568 lf)	TN	1	9.39	9.39	720.00	6,762	0.00	0	5,000.00	46,960
Distribution Yard Bldgs & Misc. Steel	TN	1	3.00	3.00	426.00	1,278	0.00	0	120.00	360
Distribution Yard Electrical Equipment	TN	1	4.00	4.00	426.00	1,704	0.00	0	120.00	480
Distribution Yard Foundations - Reinf Conc	CY	1	20.00	20.00	78.00	1,560	69.00	1,380	0.00	0
Coal/Limestone Handling Trnsfmer - 7,500 kva	TN	2	6.38	12.76	264.00	3,369	0.00	0	120.00	1,531
Coal/Limestone Handling Transformer Copper	TN	1	17.63	17.63	444.00	7,829	0.00	0	5,000.00	88,160
Transf Foundtns/ Retainer Walls - Reinf Conc	CY	1	10.72	10.72	78.00	836	69.00	740	0.00	0
Dumper Bldg - Power Control Center	TN	2	7.15	14.31	264.00	3,777	0.00	0	120.00	1,717
Dumper Bldg - Motor Control Center	TN	2	2.40	4.80	264.00	1,267	0.00	0	120.00	576
Dumper Bldg - GE Adj Speed Drive Cabinets	TN	1	3.00	3.00	426.00	1,278	0.00	0	120.00	360
Copper Wiring - Insulated	TN	1	27.19	27.19	720.00	19,579	0.00	0	2,100.00	57,104
Copper Wiring - Bare	TN	1	3.39	3.39	720.00	2,443	0.00	0	5,000.00	16,968
Conduit - Steel	TN	1	1024.56	1024.56	426.00	436,462	0.00	0	120.00	122,947
Cable Tray - Steel	TN	1	5.52	5.52	426.00	2,352	0.00	0	120.00	662
Total Account 315						518,733		2,120		369,661
TOTAL COAL & LIMESTONE FACILITY						7,784,825		3,008,363		2,514,027
GYPSUM & ASH HANDLING										
FERC Account 312										

ST. JOHNS RIVER POWER PARK

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Boiler Plant Service Equipment										
<u>Flue Gas Desulfurization (FGD) - Dewatering Area</u>										
Structural Steel	TN	1	108.00	108.00	198.00	21,384	0.00	0	120.00	12,960
Ladders/Handrailing/Platform Walkway - Steel	TN	1	5.40	5.40	426.00	2,300	0.00	0	120.00	648
Siding/ Roofing - Steel	TN	1	20.79	20.79	264.00	5,489	0.00	0	120.00	2,495
Return Water Tank - Steel	TN	2	13.50	27.00	198.00	5,346	0.00	0	120.00	3,240
Reslurry Tank - Steel	TN	2	4.50	9.00	264.00	2,376	0.00	0	120.00	1,080
Reslurry Tank Agitator/ Motor	TN	2	1.35	2.70	264.00	713	0.00	0	120.00	324
Reslurry Pump/ Motor	TN	4	1.01	4.05	264.00	1,069	0.00	0	120.00	486
Compressant Water Tank - Steel	TN	4	2.30	9.20	264.00	2,429	0.00	0	120.00	1,104
Filtrate Return Pump/ Motor	TN	16	1.08	17.24	264.00	4,551	0.00	0	120.00	2,069
Return Water Pump/ Motor	TN	4	1.08	4.31	264.00	1,138	0.00	0	120.00	517
Vacuum Filter Pump/ Motor	TN	8	4.52	36.17	264.00	9,548	0.00	0	120.00	4,340
1st Stage Vacuum Filter Drum - Steel	TN	4	15.50	62.00	198.00	12,276	0.00	0	120.00	7,440
2nd Stage Vacuum Filter Drum - Steel	TN	4	15.50	62.00	198.00	12,276	0.00	0	120.00	7,440
Portable Gypsum Conveyor	TN	1	12.00	12.00	198.00	2,376	0.00	0	120.00	1,440
Overhead Crane/ I-beam Support	TN	1	3.00	3.00	264.00	792	0.00	0	120.00	360
Dewatering Control Console - Steel	TN	1	2.00	2.00	264.00	528	0.00	0	120.00	240
Piping, Valves Under 4" - Steel	TN	1	3.26	3.26	426.00	1,388	0.00	0	120.00	391
Piping, Valves 4" to 8" - Steel	TN	1	30.22	30.22	264.00	7,979	0.00	0	120.00	3,627
Piping, Valves Over 8" - Steel	TN	1	6.57	6.57	198.00	1,300	0.00	0	120.00	788
Fiberglass-reinforced Piping (FRP)	CY	1	25.11	25.11	31.20	783	69.00	1,732	0.00	0
Subtotal						96,041		1,732		50,988
<u>Gypsum Conveyor System & Storage Area</u>										
Gypsum Conveyor	TN	1	22.00	22.00	198.00	4,356	0.00	0	120.00	2,640
Gypsum Conveyor/ Tower Fndtion - Reinf Conc	CY	1	638.00	638.00	78.00	49,764	69.00	44,022	0.00	0
Gypsum Conveyor Pulleys	TN	1	4.52	4.52	426.00	1,924	0.00	0	120.00	542
Gypsum Conveyor Counterweights	TN	1	3.95	3.95	426.00	1,683	0.00	0	120.00	474
Gypsum Conveyor Speed Reducers/ Drives	TN	1	7.03	7.03	426.00	2,996	0.00	0	120.00	844
Storage Area Fndtn/Retainer Wall - Reinf Conc	CY	1	1893.00	1893.00	78.00	147,654	69.00	130,617	0.00	0
Storage Area Structural Steel	TN	1	270.00	270.00	198.00	53,460	0.00	0	120.00	32,400
Storage Area Siding/ Roofing - Steel	TN	1	81.00	81.00	264.00	21,384	0.00	0	120.00	9,720
Pre-sedimentation Basin - Reinforced Concrete	CY	1	4745.00	4745.00	78.00	370,110	69.00	327,405	0.00	0
Subtotal						653,330		502,044		46,620
<u>Ash Storage Area Buildings (Solid Waste Area)</u>										
Foundations - Reinforced Concrete	CY	1	3601.00	3601.00	78.00	280,878	69.00	248,469	0.00	0
Walls - Reinforced Concrete	CY	1	125.07	125.07	78.00	9,755	69.00	8,630	0.00	0
Roofs - Reinforced Concrete	CY	1	240.16	240.16	78.00	18,732	69.00	16,571	0.00	0
Built-up Roofing	CY	1	6.81	6.81	31.20	212	69.00	470	0.00	0
Walls - Concrete Block	CY	1	112.92	112.92	31.20	3,523	69.00	7,791	0.00	0
Support Steel (Solid Waste Handlg Admin Bldg)	TN	1	10.00	10.00	264.00	2,640	0.00	0	120.00	1,200
HVAC	TN	1	8.00	8.00	264.00	2,112	0.00	0	120.00	960
Overhead Crane/ Rail	TN	1	1.00	1.00	264.00	264	0.00	0	120.00	120
Subtotal						318,117		281,931		2,280
<u>Ash Storage Area (Solid Waste Area)</u>										
Nonsaleable Ash Storage Silo - Reinf Conc	CY	2	229.07	458.14	78.00	35,735	69.00	31,612	0.00	0
Precipitator Ash Storage Silo - Reinf Conc	CY	4	631.67	2526.68	78.00	197,081	69.00	174,341	0.00	0
Ash Silos - Steel (total)	TN	1	139.64	139.64	198.00	27,648	0.00	0	120.00	16,756
Hydrobins - Steel (total)	TN	1	290.27	290.27	198.00	57,474	0.00	0	120.00	34,833
Hydrobin Gate Assembly - Steel	TN	30	2.89	86.70	264.00	22,889	0.00	0	120.00	10,404
Hydrobin Bar Screens/ Splash Pans	TN	1	3.66	3.66	426.00	1,559	0.00	0	120.00	439

ST. JOHNS RIVER POWER PARK

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo- nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Stationary & Floating Decaners - Steel	TN	1	16.90	16.90	426.00	7,199	0.00	0	120.00	2,028
Fly Ash Wetting Pump/ Motor	TN	8	1.54	12.34	264.00	3,258	0.00	0	120.00	1,481
Intermittent HP Ash Water Pump/ Motor	TN	4	3.62	14.49	264.00	3,825	0.00	0	120.00	1,739
Intermittent LP Ash Water Pump/ Motor	TN	4	1.52	6.06	264.00	1,600	0.00	0	120.00	727
Loadout Tower - Steel	TN	2	7.51	15.03	264.00	3,967	0.00	0	120.00	1,803
Ash Water Surge Tank - Steel	TN	2	108.66	217.33	198.00	43,030	0.00	0	120.00	26,079
Ash Water Settling Tank - Steel	TN	2	74.94	149.89	198.00	29,678	0.00	0	120.00	17,986
Air Compressor	TN	1	2.00	2.00	264.00	528	0.00	0	120.00	240
Storage Silo Control Cabinet	TN	2	2.00	4.00	264.00	1,056	0.00	0	120.00	480
Dewatering Bin Control Cabinet	TN	2	2.00	4.00	264.00	1,056	0.00	0	120.00	480
Fly Ash Storage Silo Control/ Logic Cabinet	TN	1	2.00	2.00	264.00	528	0.00	0	120.00	240
Fly Ash Loadout Silo Control Cabinet	TN	1	1.50	1.50	264.00	396	0.00	0	120.00	180
Expansion Joints - Steel	TN	1	11.41	11.41	426.00	4,863	0.00	0	120.00	1,370
Truck/ Track Scales - Structural Steel	TN	1	4.88	4.88	198.00	966	0.00	0	120.00	586
Jib Crane Arms (9 total)	TN	1	11.07	11.07	264.00	2,921	0.00	0	120.00	1,328
Handrailing, Walkways, Ladders, Grating	TN	1	102.90	102.90	426.00	43,835	0.00	0	120.00	12,348
Dust Collector System	TN	1	5.50	5.50	264.00	1,452	0.00	0	120.00	660
Manhole Frames & Covers - Steel	TN	1	1.96	1.96	426.00	835	0.00	0	120.00	235
Filtering Plenum - Steel	TN	2	5.50	11.00	264.00	2,904	0.00	0	120.00	1,320
Piping, Valves 4" to 8" - Steel	TN	1	36.27	36.27	264.00	9,575	0.00	0	120.00	4,352
Piping Supports/ Braces - Steel	TN	1	10.00	10.00	264.00	2,640	0.00	0	120.00	1,200
Subtotal						508,498		205,953		139,294
Total Account 312						1,575,987		991,660		239,183
TOTAL GYPSUM & ASH HANDLING						1,575,987		991,660		239,183
GRAND TOTAL SJRPP						50,097,851		18,735,215		23,882,756

Turkey Point Plant

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Turkey Point Fossil and Combined Cycle

The Turkey Point Power Plant is located on a 12,700 acre site on Biscayne Bay in Dade County, approximately thirteen miles south of Miami, Florida. There are two fossil generating units (Units 1 & 2), two nuclear generating units (Units 3 & 4), and a large network of water cooling canals at the site. The nuclear generating units and the water cooling canals are excluded from this dismantlement study.

The original design of Turkey Point Fossil Units was for natural gas or oil-fired operation with provisions for future conversion to coal. Both units currently operate on natural gas with #6 heavy oil as an alternative fuel. The two units have a combined maximum generator name plate rating of 804 megawatts. The Units No. 1 & 2 went into commercial operation in 1967 and 1968, respectively. For purposes of this dismantlement study, the economic recovery dates for the Turkey Point units are as follows:

<u>Unit</u>	<u>Year</u>
Unit 1	2020
Unit 2	2020
Common	2032
Unit 5	2032

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

Combined Cycle Unit 5 is a new unit located on the existing Turkey Point site. It went into commercial operation in May of 2007. The combined cycle technology maximizes the beneficial use of the site while minimizing environmental, land use and cost impacts otherwise associated with development of a nominal 1,150-MW power plant. Unit 5 utilizes a number of common facilities. It increases the generating capacity of the site without increasing the overall size of the site.

Unit 5 consists of four nominal 170-MW GE "F" Class Advanced Combustion Turbines (CT) with DLN combustors and four Heat Recovery Steam Generators, which utilizes waste heat from the CT to produce steam to drive a new steam turbine generator.

There are two #6 heavy oil tanks on site supplied via Biscayne Bay primarily by the use of barges. The fuel gas is transported by a pipeline connected to the Florida Gas Transmission System.

Florida Power & Light Company last requested and received approval for a change in dismantlement rates for the Turkey Point site in Docket No. 030558-EI, Order No. PSC-04-0086-PAA-EI issued on January 27, 2004. These accruals became effective as of January 1, 2003.

TURKEY POINT FOSSIL
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
<u>Turkey Point Common</u>					
<u>Production Plant</u>					
311	Structures and Improvements	677,036	1,332,381	399,839	1,609,578
312	Boiler Plant Equipment	17,607	96,094	5,460	108,241
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	21,452	0	90,920	(69,468)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	716,095	1,428,475	496,219	1,648,351
<u>Other Site Costs:</u>					
	Site Management Expenses	775,569			775,569
	Asbestos Abatement Costs	838,000			838,000
	Special Waste	118,435			118,435
	Intake & Discharge Backfill	70,251			70,251
	Grading & Seeding	1,719,301			1,719,301
	Subtotal	3,521,556	0	0	3,521,556
	Total	4,237,650	1,428,475	496,219	5,169,906
	Contingency 16%	678,024	228,556		906,580
	Total Turkey Point Common	4,915,674	1,657,031	496,219	6,076,486
	Total Unusable M&S Inventory	1,289,571		128,957	1,160,614
		6,205,245	1,657,031	625,176	7,237,100
<u>Turkey Point Units 1 & 2</u>					
311	Structures and Improvements	1,627,149	1,140,580	270,317	2,497,412
312	Boiler Plant Equipment	3,911,736	902,422	2,240,981	2,573,177
314	Turbogenerator Units	1,326,989	268,070	2,194,585	(599,526)
315	Accessory Electrical Equipment	489,980	136,500	1,230,515	(604,036)
316	Miscellaneous Equipment	8,955	0	3,732	5,223
	Subtotal	7,364,808	2,447,572	5,940,130	3,872,250
	Contingency 16%	1,178,369	391,611		1,569,981
	Total Turkey Point Units 1 & 2	8,543,177	2,839,183	5,940,130	5,442,231
<u>Turkey Point Unit 5</u>					
341	Structures and Improvements	1,519,638	824,069	371,514	1,972,193
342	Fuel Holder Equipment	36,333	0	21,006	15,327
343	Prime Movers	3,264,828	886,026	2,547,408	1,603,447
344	Turbogenerator Units	942,471	187,132	808,560	321,043
345	Accessory Electrical Equipment	666,072	315,976	642,121	339,927
346	Miscellaneous Equipment	15,188	0	7,966	7,222
	Subtotal	6,444,530	2,213,203	4,398,574	4,259,159
	Contingency 16%	1,031,125	354,113		1,385,237
	Total Turkey Point Unit 5	7,475,655	2,567,316	4,398,574	5,644,397
	Total Dismantlement Cost:	22,224,078	7,063,530	10,963,879	18,323,728

**TURKEY POINT FOSSIL
DISMANTLEMENT COST FOR INFLATION PROJECTION**

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Turkey Point Common	2,949,405	3,255,841	1,657,031	625,176	7,237,100
Turkey Point Units 1 & 2	5,125,906	3,417,271	2,839,183	5,940,130	5,442,231
Turkey Point Unit 5	4,485,393	2,990,262	2,567,316	4,398,574	5,644,397
Total	12,560,704	9,663,374	7,063,530	10,963,879	18,323,728

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

TURKEY POINT FOSSIL DISMANTLEMENT ASSUMPTIONS

FPL will provide management personnel for the dismantlement effort.

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

FPL will provide site security during the dismantlement.

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

The land will be made available for future use.

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

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

The following items will be removed:

- a. All structures, equipment, and concrete pads, pedestals, foundations, etc;
- b. All underground gas, oil, sewer and water piping and electrical conduits.
- c. All hazardous and contaminated materials, e.g., acid filled lead batteries, oil tank residue.

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

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

The estimate does not reflect land value or its resale.

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

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

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

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

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

TURKEY POINT FOSSIL DISMANTLEMENT ASSUMPTIONS (continued)

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

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

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

<u>Unit</u>	<u>Economic Recovery Date</u>
Common	2032
Unit 1	2020
Unit 2	2020
Unit 5	2032

Asbestos at Turkey Point plant has been almost completely abated. FPL's Environmental Department recently had a survey done of asbestos at our production plants. It was determined that some asbestos insulation is in use at Turkey Point. It is estimated that the cost of abating the remaining asbestos at Turkey Point is \$838,000.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

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

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

(Continued)

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

TURKEY POINT DISMANTLEMENT STUDY

DEVELOPMENT OF COST FACTORS

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

REMOVAL COST FACTORS

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

Labor Rate

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

Labor	\$31.20	X	6	=	\$187.18
Foreman	\$39.71	X	1	=	\$39.71
Heavy Equipment Operator	\$38.04	X	1	=	\$38.04
Total Cost per hour of 8 man crew					<u>\$264.94</u>
Cost per man hour		\$264.94 / 8 =			<u><u>\$33.12</u></u>

Equipment Rate

The equipment rate is based on the following equipment:

Crane/Excavator					22,749.18
Front End Loader					2,656.68
Cutting Equipment					231.75
Total per month					<u>25,637.60</u>
25,637.60	/	176	hours per month =		145.67
Cost per man hour		\$145.67 / 8 =			\$18.21
Plus: amount for small tools					1.00
Total Cost per man hour					<u><u>\$19.21</u></u>

TURKEY POINT DISMANTLEMENT STUDY

Equipment & Labor Summary

Labor	\$33.12
Equipment	19.21
Total	<u>\$52.33</u>
Rounded	<u>\$52.00</u>
For Concrete demolition add \$5.00 per hour additional equipment charge.	<u>\$57.00</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)	\$52.00	2.50 MH / Ton	\$130.00 / Ton
Heavy Steel (2)	\$52.00	3.30 MH / Ton	\$171.60 / Ton
General Steel	\$52.00	4.40 MH / Ton	\$228.80 / Ton
Light Steel	\$52.00	7.10 MH / Ton	\$369.20 / Ton
Concrete	\$52.00	0.48 MH / CY	\$24.96 / CY
Reinforced Concrete	\$57.00	1.20 MH / CY	\$68.40 / CY
Copper-Elect. Cable & Generator Leads	\$52.00	12.00 MH / Ton	\$624.00 / Ton
Copper - Generator	\$52.00	9.80 MH / Ton	\$509.60 / Ton
Copper - Transformer	\$52.00	7.40 MH / Ton	\$384.80 / Ton
General Insulation	\$52.00	1.00 MH / CY	\$52.00 / CY
Inground Pipe-Metal(3)	\$52.00	6.00 MH / Ton	\$312.00 / Ton
Concrete Pipe	\$57.00	4.60 MH / Ton	\$262.20 / CY

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

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Homestead Landfill facility, using dumpsters provided by Waste Management, Inc.. Concrete and non-asbestos insulation are non-hazardous wastes. The tipping fee is \$22/CY. The per-haul dumpster charges are \$535 per haul for a 20 CY dumpster and \$635 per haul for a 30 CY dumpster.

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

TURKEY POINT DISMANTLEMENT STUDY

Concrete

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

Dumpster Charge	\$535.00 / haul	X	1 haul	=	\$535.00
Tipping Fees	\$22.00 / CY	X	20 CY	=	\$440.00
Total Cost per round Trip					<u>\$975.00</u>
Cost per Cubic Yard	\$975.00 / 15.38 cubic yards =				\$63.39
Plus 10% contractor profit					<u>6.34</u>
Total Cost per Cubic Yard					<u><u>\$69.73</u></u>
Rounded Cost per Cubic Yard					<u><u>\$70.00</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).

Calcium Silicate Insulation

Truck Cost	\$635.00 / haul	X	1 haul	=	\$635.00
Tipping Fees	\$22.00 / CY	X	30 CY	=	\$660.00
Total Cost per round Trip					<u>\$1,295.00</u>
Cost per Cubic Yard	\$1,295.00 / 27 cubic yards =				\$47.96
Plus 10% contractor profit					<u>4.80</u>
Total Cost per Cubic Yard					<u><u>\$52.76</u></u>
Rounded Cost per Cubic Yard					<u><u>\$53.00</u></u>

TURKEY POINT DISMANTLEMENT STUDY

SALVAGE VALUE FACTORS

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

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

OTHER SITE COSTS

Site Management Expenses

Site management expenses refer to FPL's management costs and contractors' expenses associated with the dismantlement project. The cost factors provided by FPL's Construction Estimating Department are: FPL expenses of \$19,202 per month, both office and site, and contractor's expenses of \$23,885 per month for site indirect costs. These expenses are to be incurred over the 18 month dismantlement period for Turkey Point Plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management supervision security, etc..

Site Management Expenses per month	\$43,087
Number of months	18
Total Site Management Expenses	<u><u>\$775,569</u></u>

Intake & Discharge Backfill

FPL's Power Generation Division developed this cost factor on the basis of a typical such structure for FPL's production plants. The assumption is that a volume of 1,600 cubic yards for the intake and 1,120 cubic yards for the discharge will need to be filled. FPL's Construction Estimating Department has updated the costs as follows:

	<u>Cost/Unit</u>	<u>Quantity</u>	<u>Totals</u>
Intake	39,120	1	\$39,120
Discharge	31,131	1	\$31,131
			<u><u>\$70,251</u></u>

TURKEY POINT 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 Power Generation Division (PGD) and FPL's Construction Estimating Department is \$56,186 per acre. The acreage was determined for each site by reviewing engineering drawings to determine the areas requiring this effort. Assumptions underlying this cost factor include 2,000 cubic yards per acre to be backfilled and 968 cubic yards per acre of topsoil to be spread and seeded.

Turkey Point Acreage to be graded and seeded	30.60
Cost Factor	<u>\$56,186</u>
Total Grading and Seeding Expense	<u><u>\$1,719,301</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 Turkey Point, the following cost estimates have been identified:

<u>Description</u>	<u>Amount</u>
Asbestos	\$838,000
Lead in paint	900
Basins Clean Out/Material	50,000
Tanks/Washwater	<u>67,535</u>
Total	<u><u>\$956,435</u></u>

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
TURKEY POINT COMMON										
FERC Account 311										
Improvements to Site										
Concrete Pavement	CY	1	5,165.00	5,165.00	24.96	128,918	70.00	361,550	0.00	0
Sewer System - Cast Iron	TN	1	58.88	58.88	228.80	13,472	0.00	0	120.00	7,066
Sewer System - Steel	TN	1	7.30	7.30	228.80	1,670	0.00	0	120.00	876
Sewer System - Concrete	CY	1	145.36	145.36	262.20	38,113	0.00	0	0.00	0
Manholes & Catchbasins	CY	1	148.67	148.67	68.40	10,169	70.00	10,407	0.00	0
Fire Protection System	TN	1	22.93	22.93	228.80	5,246	0.00	0	120.00	2,752
Fuel Oil Dock	CY	1	210.00	210.00	68.40	14,364	70.00	14,700	0.00	0
Hose Handling Structure	TN	1	1.30	1.30	228.80	297	0.00	0	120.00	156
Subtotal						212,251		386,657		10,849
Circulating and Service Water System										
Water Treatment Area Slab	CY	1	267.00	267.00	68.40	18,263	70.00	18,690	0.00	0
Water Treatment Equipment	TN	1	54.00	54.00	171.60	9,266	0.00	0	120.00	6,480
Piping - Cast Iron - 18"	TN	1	255.02	255.02	171.60	43,761	0.00	0	120.00	30,602
Piping - Cast Iron - 6"	TN	1	3.45	3.45	228.80	789	0.00	0	120.00	414
5 Ton Trolley Hoist	TN	1	0.90	0.90	369.20	332	0.00	0	120.00	108
Bridge Crane	TN	1	25.35	25.35	171.60	4,350	0.00	0	120.00	3,042
Station Crane	TN	1	148.50	148.50	171.60	25,483	0.00	0	120.00	17,820
Raw Water Storage Tank - 500,000gl	TN	1	352.00	352.00	171.60	60,403	0.00	0	120.00	42,240
Elevated Water Storage Tank - 100,000	TN	1	124.50	124.50	171.60	21,364	0.00	0	120.00	14,940
Concrete Foundations	CY	1	432.00	432.00	68.40	29,549	70.00	30,240	0.00	0
Structural Steel	TN	1	64.00	64.00	171.60	10,982	0.00	0	120.00	7,680
Elevator	TN	1	37.60	37.60	171.60	6,452	0.00	0	120.00	4,512
Subtotal						230,996		48,930		127,838
Fuel & Ash Structures										
Fuel Oil Storage Tanks - 268,000bbl	EA	2	925.00	1,850.00	n/a	96,120	0.00	0	120.00	222,000
Cleaning Fuel Oil Storage Tanks	EA	2	268,000.00	536,000.00	n/a	0	n/a	600,000	0.00	0
Soil Remediation - Fuel Oil Storage Tan	EA	2	203.00	406.00	n/a	0	n/a	217,204	0.00	0
Fuel Oil Transport Lines	TN	1	306.46	306.46	171.60	52,589	0.00	0	120.00	36,775
Subtotal						148,709		817,204		258,775
Other Buildings										
Concrete	CY	1	1,137.00	1,137.00	68.40	77,771	70.00	79,590	0.00	0
Miscellaneous Steel	TN	1	19.80	19.80	369.20	7,310	0.00	0	120.00	2,376
Subtotal						85,081		79,590		2,376
Total Account 311						677,036		1,332,381		399,839
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Light Oil Tanks	TN	2	12.28	24.56	n/a	12,816	0.00	0	120.00	2,947
Foundation			n/a	n/a	n/a	0	n/a	59,997	0.00	0
Light Oil Tank - Cleaning			n/a	n/a	n/a	0	n/a	11,484	0.00	0
Soil Remediation			n/a	n/a	n/a	0	n/a	24,613	0.00	0
Fuel Oil Transfer Pumps	TN	6	1.23	7.38	228.80	0	0.00	0	120.00	0
Subtotal						12,816		96,094		2,947

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Boiler Plant Auxiliaries										
Caustic Wash System	TN	1	7.34	7.34	228.80	1,679	0.00	0	120.00	881
Lime Slurry System	TN	1	13.60	13.60	228.80	3,112	0.00	0	120.00	1,632
Subtotal						4,791		0		2,513
Total Account 312						17,607		96,094		5,460
FERC Account 315										
Accessory Electrical Equipment										
Power & Conversion Equipment										
Station Service Transformer	TN	1	4.00	4.00	228.80	915	0.00	0	120.00	480
Emergency Diesel Generator	TN	1	9.45	9.45	228.80	2,162	0.00	0	120.00	1,134
Startup Transformer - 32,000kva	TN	1	36.75	36.75	171.60	6,306	0.00	0	120.00	4,410
Lighting Transformer	TN	15	0.60	9.00	369.20	3,323	0.00	0	120.00	1,080
Transformer Copper	TN	1	16.54	16.54	384.80	6,365	0.00	0	5,000.00	82,700
Storage Batteries & Equipment	TN	1	7.50	7.50	228.80	1,716	0.00	0	120.00	900
Subtotal						20,787		0		90,704
Switching, Control & Protective Equipment										
Instrument Transformers	TN	3	0.60	1.80	369.20	665	0.00	0	120.00	216
Subtotal						665		0		216
Total Account 315						21,452		0		90,920
TOTAL TURKEY POINT COMMON						716,095		1,428,475		496,219
TURKEY POINT UNITS 1 & 2										
FERC Account 311										
Circulating and Service Water System										
Intake Structure - Concrete	CY	1	966.00	1,932.00	68.40	132,149	70.00	135,240	0.00	0
Traveling Water Screens	TN	2	14.11	56.44	171.60	9,685	0.00	0	120.00	6,773
Intake Conduit	TN	1	656.25	1,312.50	228.80	300,300	0.00	0	120.00	157,500
Subtotal						442,134		135,240		164,273
Station Structures										
Concrete Footings and Piers	CY	1	2,114.00	4,228.00	68.40	289,195	70.00	295,960	0.00	0
Concrete Pedestal Mat	CY	1	3,290.00	6,580.00	68.40	450,072	70.00	460,600	0.00	0
Structural Steel	TN	1	365.00	730.00	228.80	167,024	0.00	0	120.00	87,600
Miscellaneous Steel	TN	1	75.20	150.40	228.80	34,412	0.00	0	120.00	18,048
Floors - Concrete	CY	1	1,462.00	2,924.00	68.40	200,002	70.00	204,680	0.00	0
Floor and Roof Slabs	CY	1	155.00	310.00	68.40	21,204	70.00	21,700	0.00	0
Enclosure - Concrete	CY	1	160.00	320.00	68.40	21,888	70.00	22,400	0.00	0
Misc. Cranes and Hoists	TN	1	1.65	3.30	369.20	1,218	0.00	0	120.00	396
Subtotal						1,185,015		1,005,340		106,044
Total Account 311						1,627,149		1,140,580		270,317
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Metering Tank - Foundation	CY	1	539.50	1,079.00	n/a	0	n/a	238,852	0.00	0
Fuel Oil Metering Tank - 12000 bbl	TN	2	50.60	202.40	n/a	32,040	0.00	0	120.00	24,288

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
F.O. Metering Tank - Cleaning	EA	1	n/a	n/a	n/a	0	n/a	100,000	0.00	0
Soil Remediation	EA	1	n/a	n/a	n/a	0	n/a	4,082		
Burner Pumps	TN	3	1.50	9.00	228.80	2,059	0.00	0	120.00	1,080
Burner Fuel Oil Booster Pumps	TN	2	1.23	4.92	228.80	1,126	0.00	0	120.00	590
Fuel Oil Piping	TN	1	97.07	194.14	228.80	44,419	0.00	0	120.00	23,297
Concrete	CY	1	43.00	86.00	68.40	5,882	70.00	6,020	0.00	0
Forced Draft Foundation	CY	1	229.50	459.00	68.40	31,396	70.00	32,130	0.00	0
Forced Draft Fans	TN	2	38.50	154.00	171.60	26,426	0.00	0	120.00	18,480
Forced Draft Fan Air Ducts	TN	2	127.00	508.00	52.00	26,416	0.00	0	120.00	60,960
FD Fan Air Duct Insulation	CY	1	225.00	160.71	52.00	8,357	53.00	8,518	0.00	0
FD Fan Air Duct Insulation - Calcium S	CY	1	270.00	540.00	52.00	28,080	53.00	28,620	0.00	0
Subtotal						206,202		418,222		128,695
Boiler Equipment										
Boiler Frame	TN	1	1,140.00	2,280.00	171.60	391,248	0.00	0	120.00	273,600
Platforms, Grating & Handrails	TN	1	414.00	828.00	228.80	189,446	0.00	0	120.00	99,360
Boiler - including:	TN	1	3,733.00	7,466.00	171.60	1,281,166	0.00	0	120.00	895,920
Drum, Headers, Hangers & Supports										
Waterwall, Downcomers & Tube-Guides										
Piping, Valves & Silencers										
Superheater, Reheater, Economizer										
Sootblowers										
Air Preheater	TN	2	483.00	1,932.00	171.60	331,531	0.00	0	120.00	231,840
Insulation	CY	1	970.00	346.43	52.00	18,014	53.00	18,361	0.00	0
Insulation - Calcium Silicate	CY	1	1,150.00	1,150.00	52.00	59,800	53.00	60,950	0.00	0
Instrument Air Compressors	TN	2	1.25	5.00	171.60	858	0.00	0	120.00	600
Instrument Air Piping	TN	1	16.34	32.68	369.20	12,065	0.00	0	120.00	3,922
Subtotal						2,284,129		79,311		1,505,242
Boiler Plant Auxiliaries										
L.P. Feedwater Heater #1	TN	1	22.75	45.50	171.60	7,808	0.00	0	120.00	5,460
L.P. Feedwater Heater #2	TN	1	16.20	32.40	171.60	5,560	0.00	0	120.00	3,888
H.P. Feedwater Heater #3	TN	1	11.85	23.70	171.60	4,067	0.00	0	120.00	2,844
H.P. Feedwater Heater #4	TN	1	15.10	30.20	171.60	5,182	0.00	0	120.00	3,624
H.P. Feedwater Heater #5	TN	1	18.30	36.60	171.60	6,281	0.00	0	120.00	4,392
H.P. Feedwater Heater #6	TN	1	56.85	113.70	171.60	19,511	0.00	0	120.00	13,644
H.P. Feedwater Heater #7	TN	1	77.60	155.20	171.60	26,632	0.00	0	120.00	18,624
Boiler Feed Pumps (including motors)	TN	2	27.00	108.00	171.60	18,533	0.00	0	120.00	12,960
Condensate Storage Tank - 150,000 gl	TN	1	41.25	82.50	171.60	14,157	0.00	0	120.00	9,900
Condensate Recovery Cooler	TN	1	0.83	1.66	369.20	613	0.00	0	120.00	199
Condensate Recovery Vent Condenser	TN	1	1.40	2.80	228.80	641	0.00	0	120.00	336
Condensate Recovery Tank - 3,900gl	TN	1	3.00	6.00	228.80	1,373	0.00	0	120.00	720
Condensate Recovery Flash Tank - 51E	TN	1	0.50	1.00	369.20	369	0.00	0	120.00	120
Heater Drain Pump	TN	1	0.65	1.30	369.20	480	0.00	0	120.00	156
Blow Down Tank - 1,700gl	TN	1	1.00	2.00	228.80	458	0.00	0	120.00	240
Cooling Water Pumps	TN	4	1.55	12.40	228.80	2,837	0.00	0	120.00	1,488
Cooling Water Heat Exchanger	TN	2	18.05	72.20	171.60	12,390	0.00	0	120.00	8,664
Cooling Water Surge Tank - 564gl	TN	1	0.50	1.00	369.20	369	0.00	0	120.00	120
Chemical Feed System	TN	1	1.50	3.00	228.80	686	0.00	0	120.00	360
Subtotal						127,946		0		87,739
Boiler Plant Piping										
Main Steam Piping	TN	1	297.52	595.04	228.80	136,145	0.00	0	120.00	71,405

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Hot Reheat Piping	TN	1	73.60	147.20	228.80	33,679	0.00	0	120.00	17,664
Cold Reheat Piping	TN	1	88.08	176.16	228.80	40,305	0.00	0	120.00	21,139
Condensate Piping	TN	1	399.72	799.44	228.80	182,912	0.00	0	120.00	95,933
Extraction Steam Piping	TN	1	135.45	270.90	228.80	61,982	0.00	0	120.00	32,508
Boiler Feed Piping	TN	1	96.98	193.96	228.80	44,378	0.00	0	120.00	23,275
Air Evacuation Piping	TN	1	9.77	19.54	228.80	4,471	0.00	0	120.00	2,345
Instrument Piping	TN	1	26.50	53.00	228.80	12,126	0.00	0	120.00	6,360
Saturated Auxiliary Steam Piping	TN	1	28.65	57.30	228.80	13,110	0.00	0	120.00	6,876
Closed Cooling Water Piping	TN	1	60.71	121.42	228.80	27,781	0.00	0	120.00	14,570
Miscellaneous Piping	TN	1	9.79	19.58	228.80	4,480	0.00	0	120.00	2,350
Pipe Insulation	CY	1	747.00	533.57	52.00	27,746	53.00	28,279	0.00	0
Pipe Insulation - Calcium Silicate	CY	1	900.00	1,800.00	52.00	93,600	53.00	95,400	0.00	0
Subtotal						682,718		123,679		294,425
Induced Draft Equipment										
Insulation	CY	1	325.00	232.14	52.00	12,071	53.00	45,050	0.00	0
Insulation	CY	1	425.00	850.00	52.00	44,200	53.00	101,760	0.00	0
Stacks	CY	1	960.00	1,920.00	68.40	131,328	70.00	134,400	0.00	0
Dust Collectors	TN	2	87.00	348.00	171.60	59,717	0.00	0	120.00	41,760
Gas Ducts	TN	1	386.00	772.00	171.80	132,475	0.00	0	120.00	92,640
Breeching	TN	1	120.00	240.00	171.60	41,184	0.00	0	120.00	28,800
Subtotal						420,975		281,210		163,200
Miscellaneous Steel & Equipment	TN	1	514.00	514.00	369.20	189,769	0.00	0	120.00	61,680
Total Account 312						3,911,736		902,422		2,240,981
FERC Account 314										
Turbo-Generator Units										
Pedestal Concrete	CY	1	1,725.50	3,451.00	68.40	236,048	70.00	241,570	0.00	0
Inserts & Anchor Bolts	TN	1	10.85	21.70	228.80	4,965	0.00	0	120.00	2,604
Turbo-Generator Unit	TN	1	648.00	1,296.00	130.00	168,480	0.00	0	120.00	155,520
Turbine Copper	TN	1	50.00	100.00	509.60	50,960	0.00	0	5,000.00	500,000
Turbine Piping	TN	1	260.00	520.00	624.00	324,480	0.00	0	120.00	62,400
Turbine Insulation	CY	1	700.00	500.00	52.00	26,000	53.00	26,500	0.00	0
Subtotal						810,933		268,070		720,524
Condensers and Auxiliaries										
Condenser Shell	TN	1	867.50	1,735.00	171.60	297,726	0.00	0	120.00	208,200
Condenser - Aluminum-Brass Tubes	TN	1	214.50	429.00	228.80	98,155	0.00	0	2,800.00	1,201,200
Circulating Water Pumps	TN	2	70.54	282.16	171.60	48,419	0.00	0	120.00	33,859
Butterfly Valves	TN	2	8.00	32.00	228.80	7,322	0.00	0	120.00	3,840
Condensate Pumps	TN	2	15.08	60.32	171.60	10,351	0.00	0	120.00	7,238
Lube Oil System	TN	1	23.50	47.00	228.80	10,754	0.00	0	120.00	5,640
Subtotal						472,726		0		1,459,978
Miscellaneous Steel & Equipment	TN	1	117.36	117.36	369.20	43,329	0.00	0	120.00	14,083
Total Account 314						1,326,989		268,070		2,194,585

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Manholes & Handholes	CY	1	85.00	170.00	68.40	11,628	70.00	11,900	0.00	0
Manhole & Handhole Frames and Cove	TN	1	2.19	4.38	369.20	1,617	0.00	0	120.00	526
Equipment Foundations - Concrete	CY	1	185.00	370.00	68.40	25,308	70.00	25,900	0.00	0
Subtotal						38,553		37,800		526
Conduit, Insulators & Conductors										
Concrete	CY	1	705.00	1,410.00	68.40	96,444	70.00	98,700	0.00	0
Conduit	TN	1	18.74	37.48	369.20	13,838	0.00	0	120.00	4,498
Generator Leads & Copper Tube	TN	1	22.24	44.48	624.00	27,756	0.00	0	5,000.00	222,400
Power & Control Wiring	TN	1	202.10	404.20	624.00	252,221	0.00	0	2,100.00	848,820
Cable Trays	TN	1	5.12	5.12	369.20	1,890	0.00	0	120.00	614
Subtotal						392,148		98,700		1,076,332
Switching, Control & Protective Equipment										
Aux Power Transformer	TN	1	59.40	118.80	171.60	20,386	0.00	0	120.00	14,256
Instrument Transformers	TN	3	0.60	3.60	369.20	1,329	0.00	0	120.00	432
Transformer Copper	TN	1	24.00	24.00	384.80	9,235	0.00	0	5,000.00	120,000
Switchgear - 4160v Metalclad	TN	1	40.00	80.00	171.60	13,728	0.00	0	120.00	9,600
Switchgear - 480v Metalclad	TN	2	18.00	72.00	171.60	12,355	0.00	0	120.00	8,640
Station Grounding System	TN	1	6.08	6.08	369.20	2,245	0.00	0	120.00	730
Subtotal						59,278		0		153,658
Total Account 315						489,980		136,500		1,230,515
FERC Account 316										
Miscellaneous Power Plant Equipment										
Air Compressor	TN	2	4.50	18.00	228.80	4,118	0.00	0	120.00	2,160
Service Air Piping	TN	1	6.55	13.10	369.20	4,837	0.00	0	120.00	1,572
Total Account 316						8,955		0		3,732
TOTAL TURKEY POINT UNITS 1 & 2						7,364,808		2,447,572		5,940,130
TOTAL TURKEY POINT COMMON, UNITS 1 & 2						8,080,903		3,876,047		6,436,348
Turkey Point Unit 5										
Account 341: Structures and Improvements										
Lighting and Fire Protection Systems										
Yard Lighting	TN	1	11000	5.50	369.20	2,031	0.00	0	120.00	660
Plant Lighting	TN	1	4,000	2.00	369.20	738	0.00	0	120.00	240
Fire Protection System Foundation	CY	1,325	0.04	53.00	68.40	3,625	70.00	3,710	0.00	0
Sanitary Sewer Piping Foundations	CY	1,230	0.01	18.22	68.40	1,246	70.00	1,276	0.00	0
						7,641		4,986		900
Power Block										
Power Block - Structural Steel	TN	1,044		1,044.00	171.60	179,150	0.00	0	120.00	125,280
Base Plates	TN	4	160,000	80.00	171.60	13,728	0.00	0	120.00	9,600
Power Block - Handrail, Toeblock, Misc.	TN	2	20,000	10.00	369.20	3,692	0.00	0	120.00	1,200

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

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Power Block - Decking	TN	80,000	1200000	600.00	369.20	221,520	0.00	0	120.00	72,000
Power Block - Ladders, Stairs & Platforms	TN	100		100.00	369.20	36,920	0.00	0	120.00	12,000
HRSG Structural/Ductwork	TN	4	1,680,400	840.20	228.80	192,238	0.00	0	120.00	100,824
Power Block Grade Slab Concrete	CY	4,000		4,000.00	68.40	273,600	70.00	280,000	0.00	0
Power Block Structure Foundation Concret	CY	5,000		5,000.00	68.40	342,000	70.00	350,000	0.00	0
Power Block Elevated Slabs	CY	1,000		1,000.00	68.40	68,400	70.00	70,000	0.00	0
HRSG Analyzer Building	CY	1,000		200.00	68.40	13,680	70.00	14,000	0.00	0
HRSG DCS Building	CY	1,100	0.22	244.44	68.40	16,720	70.00	17,111	0.00	0
						1,361,648		731,111		320,904
Open Cooling Water System										
OCW System 2" & < - Pipe	TN	450	1350	0.68	228.80	154	0.00	0	120.00	81
OCW System 2 1/2" & > - Pipe	TN	1,500	165000	82.50	171.60	14,157	0.00	0	120.00	9,900
OCW Duplex Basket Strainers	TN	4	1200	0.60	228.80	137	0.00	0	120.00	72
Open Cooling Water Pumps	TN	4	94400	47.20	171.60	8,100	0.00	0	120.00	5,664
Open Cooling Water Booster Pumps	TN	3	19,605	9.80	171.60	1,682	0.00	0	120.00	1,176
						24,230		0		16,893
Pond Water System										
Pond Water System 2" & < - Pipe	TN	330	990	0.50	228.80	113	0.00	0	120.00	59
Pond Water System 2 1/2" & > - Pipe	TN	1,225	12250	6.13	171.60	1,051	0.00	0	120.00	735
Pond Water Booster Pumps	TN	2	13,070	6.54	171.60	1,121	0.00	0	120.00	784
						2,286		0		1,579
Water Treatment System										
Service Water System 2" & < - Pipe	TN	2,800	8400	4.20	171.60	961	0.00	0	120.00	504
Service Water System 2 1/2" & > - Pipe	TN	900	9000	4.50	171.60	308	0.00	0	120.00	540
Service Water Pumps	TN	4	4540	2.27	228.80	519	0.00	0	120.00	272
HRSG Blowdown Tank Sump	CY	200		200.00	68.40	13,680	70.00	14,000	0.00	0
Wastewater System 2" & < - Pipe	TN	1,230	3690	1.85	228.80	422	0.00	0	120.00	221
Power Block Drainage Pipe Foundations	CY	4,290	0.03	127.11	24.96	3,173	70.00	8,898	0.00	0
Wastewater System 2 1/2" & > - Pipe	TN	15,600	468000	234.00	171.60	40,154	0.00	0	120.00	28,080
Sump Pumps	TN	42	21000	10.50	171.60	1,802	0.00	0	120.00	1,260
Miscellaneous Equipment	TN	12	6000	3.00	171.60	515	0.00	0	120.00	360
Potable Water System	CY	2,000	0.01	29.63	24.96	740	70.00	2,074	0.00	0
Pipe Rack Drilled Piers - Concrete	CY	900		900.00	68.40	61,560	70.00	63,000	0.00	0
						123,834		87,972		31,238
Account 341 Totals:						1,519,638		824,069		371,514
Account 342: Fuel Holders, Producers and Accessories										
Gas System										
Natural Gas System 2" & < - Pipe	TN	33	99	0.05	228.80	11	0.00	0	120.00	6
Gas Piping	TN	2,000	220000	110.00	228.80	25,168	0.00	0	120.00	13,200
Natural Gas System 2 1/2" & > - Pipe	TN	500	55000	27.50	171.60	4,719	0.00	0	120.00	3,300
Liquid Fuel System 2 1/2" & > - Pipe	TN	2,500	75000	37.50	171.60	6,435	0.00	0	120.00	4,500
Account 342 Totals:						36,333		0		21,006
Account 343: Prime Movers										
HRSG Foundation	CY	1,212		1,212.00	68.40	82,901	70.00	84,840	0.00	0
HRSG Mechanical	TN	4	1,270,400	635.20	130.00	82,576	0.00	0	120.00	76,224

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Mechanical Finishes - Casings	TN	1	132,900	66.45	171.60	11,403	0.00	0	120.00	7,974
Modules - Unit 5	TN	4	18,805,200	9,402.60	130.00	1,222,338	0.00	0	120.00	1,128,312
HRSB Blowdown System 2 1/2" & > - Pipe	TN	800	56000	28.00	171.60	4,805	0.00	0	120.00	3,360
Electrical & Controls	TN	2	110,000	55.00	228.80	12,584	0.00	0	120.00	6,600
						1,416,606		84,840		1,222,470
Feedwater System										
Feedwater System 2" & < - Pipe	TN	3,000	9000	4.50	228.80	1,030	0.00	0	120.00	540
Feedwater System 2 1/2" & > - Pipe	TN	2,500	175000	87.50	171.60	15,015	0.00	0	120.00	10,500
HRSB HP Feedwater Pumps	TN	3	111,600	55.80	171.60	9,575	0.00	0	120.00	6,696
HRSB LP Feedwater Pumps	TN	3	111,600	55.80	171.60	9,575	0.00	0	120.00	6,696
HRSB Feed Pump Foundations Concrete	CY	900	900.00	900.00	68.40	61,560	70.00	63,000	0.00	0
H P Feed Pumps - Insulation	CY	1,200	0.04	44.44	52.00	2,311	53.00	2,356	0.00	0
L P Feed Pumps - Insulation	CY	900	0.04	33.33	52.00	1,733	53.00	1,767	0.00	0
L/B Feedwater Piping - Insulation	CY	2,547	0.04	94.33	52.00	4,905	53.00	5,000	0.00	0
						105,705		72,122		24,432
Combustion Turbine										
Combustion Turbine Fdn Concrete	CY	2,682		2,682.00	68.40	183,449	70.00	187,740	0.00	0
Condensate Pump Casings	TN	4	2,000	1.00	228.80	229	0.00	0	120.00	120
Miscellaneous Mechanical Equipment Fdn:	CY	300		300.00	68.40	20,520	70.00	21,000	0.00	0
C.T. Skid Mounted Equipment Fdn Concre	CY	450		450.00	68.40	30,780	70.00	31,500	0.00	0
C.T. 5 Combustion Turbine	TN	4	1,508,000	754.00	130.00	98,020	0.00	0	120.00	90,480
C.T. 5 Insulation	CY	4	29	115.56	52.00	6,009	53.00	6,124	0.00	0
C.T. Interconnect Pipe 2 1/2" & > - Pipe	TN	6,100	427000	213.50	171.60	36,637	0.00	0	120.00	25,620
C.T. Interconnect Pipe 2" & < - Pipe	TN	13,000	39000	19.50	228.80	4,462	0.00	0	120.00	2,340
						380,105		246,364		118,560
Main Steam System										
Main Steam System 2 1/2" & > Pipe	TN	7,500	3375000	1,687.50	171.60	289,575	0.00	0	120.00	202,500
L/B Main Steam Piping - Insulation	CY	5,600	0.04	217.78	52.00	11,324	53.00	11,542	0.00	0
Aux Boiler System 2" & < - Pipe	TN	1,000	3000	1.50	228.80	343	0.00	0	120.00	180
Aux Boiler System 2 1/2" & > - Pipe	TN	400	12000	6.00	171.60	1,030	0.00	0	120.00	720
L/B Auxiliary Boiler Piping - Insulation	CY	900	0.02	15.00	52.00	780	53.00	795	0.00	0
L/B B.O.P. Piping - Insulation	CY	450	0.02	7.50	52.00	390	53.00	398	0.00	0
						303,442		12,735		203,400
Blowdown System										
HRSB Blowdown System 2" & Under - Pip	TN	900	2700	1.35	228.80	309	0.00	0	120.00	162
HRSB Blowdown Tanks	TN	4	18,960	9.48	171.60	1,627	0.00	0	120.00	1,138
Main Steam Drain Tanks	TN	4	11500	5.75	171.60	987	0.00	0	120.00	690
HRSB Blowdown Tanks - Insulation	CY	600	0.01	6.67	52.00	347	53.00	353	0.00	0
Steam Drain Tanks - Insulation	CY	1,200	0.01	13.33	52.00	693	53.00	707	0.00	0
Mechanical Finishes - Insulation	CY	1	100	100.00	52.00	5,200	53.00	5,300	0.00	0
						9,162		6,360		1,990
Steam Turbine										
Steam Turbines - Insulation	CY	1,080	0.04	40.00	52.00	2,080	53.00	2,120	0.00	0
Main Steam System 2" & < - Pipe	TN	5,100	30600	15.30	228.80	3,501	0.00	0	120.00	1,836
Steam Turbine Base Plates	TN	2	100,000	50.00	130.00	6,500	0.00	0	120.00	6,000
Steam Turbine & Accessories	LT	2	700,000	350.00	171.60	60,060	0.00	0	120.00	42,000
Hydraulic Power Unit	LT	2	6,000	3.00	171.60	515	0.00	0	120.00	360
Instrument Tubing	TN	25,000	12500	6.25	228.80	1,430	0.00	0	120.00	750

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
						74,085			2,120	50,946
Condensate System										
Condensate System 2" & < - Pipe	TN	2,500	7,500	3.75	228.80	858	0.00	0	120.00	450
Condensate System 2 1/2" & > - Pipe	TN	3,000	330,000	165.00	171.60	28,314	0.00	0	120.00	19,800
L/B Condensate Piping - Insulation	CY	4,000	0	66.67	52.00	3,467	53.00	3,533	0.00	0
Condenser Vacuum Pump Skid & Equip	TN	2	5,000	2.50	171.60	429	0.00	0	120.00	300
Condensate Storage Tank Fdn	CY	280		280.00	68.40	19,152	70.00	19,600	0.00	0
Condensate Make-Up Pumps	TN	2	3,000	1.50	171.60	257	0.00	0	120.00	180
HRS G Chemical Fd. System 2" & < - Pipe	TN	1,300	3,900	1.95	228.80	446	0.00	0	120.00	234
HRS G Chemical Feed Skids	TN	2	30,000	15.00	171.60	2,574	0.00	0	120.00	1,800
Lube Oil Storage Tanks	TN	2	13,040	6.52	171.60	1,119	0.00	0	120.00	782
Miscellaneous Process Tanks	TN	4	21,200	10.60	171.60	1,819	0.00	0	120.00	1,272
Condensate Transfer System 2" & < - Pipe	TN	2,500	7,500	3.75	228.80	858	0.00	0	120.00	450
Condensate Transfer System 2 1/2" & > -	TN	6,500	195,000	97.50	171.60	16,731	0.00	0	120.00	11,700
Condensate Pumps	TN	4	125,600	62.80	171.60	10,776	0.00	0	120.00	7,536
Condensate Transfer Pumps	TN	4	9,560	4.78	171.60	820	0.00	0	120.00	574
Condensate Storage Tanks	TN	2	4,780	2.39	171.60	410	0.00	0	120.00	287
Bulk Gas System 2" & < - Pipe	TN	7,000	21,000	10.50	228.80	2,402	0.00	0	120.00	1,260
Condensers	TN	2	665,000	332.50	171.60	57,057	0.00	0	2,000.00	665,000
Gland Steam Condensers	TN	2	10,000	5.00	171.60	858	0.00	0	120.00	600
Condensate Air Rem System 2" & < - PI	TN	1,500	4,500	2.25	228.80	515	0.00	0	120.00	270
Condensate Air Rem System 2 1/2" & > .	TN	400	12,000	6.00	171.60	1,030	0.00	0	120.00	720
						149,893			23,133	713,215
Circulating Water System										
Circulating Water System 2" & < - Pipe	TN	749	2245.5	1.12	228.80	257	0.00	0	120.00	135
Circulating Water System 2 1/2" & > - PI	TN	159	4770	2.39	171.60	409	0.00	0	120.00	286
L/B Circulating Water Piping - Insulation	CY	8	3.50	28.00	52.00	1,456	53.00	1,484	0.00	0
Circulating Water Pumps	TN	2	95,950	47.98	228.80	10,977	0.00	0	120.00	5,757
C W Chem Tr System 2" & < - Pipe	TN	500	1500	0.75	228.80	172	0.00	0	120.00	90
24" Diameter ICW Pipe	CY	100	0.44	44.44	262.20	11,653	70.00	3,111	0.00	0
84" Diameter ICW Pipe	CY	400	1.56	622.22	262.20	163,147	70.00	43,556	0.00	0
Concrete - Cofferdam Area	CY	350		350.00	24.96	8,736	70.00	24,500	0.00	0
66" Diameter Inground CW Pipe	CY	20	1.22	24.44	262.20	6,409	70.00	1,711	0.00	0
						203,216			74,362	6,268
Screen Wash System										
Intake Bar Rack & Cleaning Rake	TN	2	10,000	5.00	228.80	1,144	0.00	0	120.00	600
Intake Travelling Screens	TN	2	64,000	32.00	228.80	7,322	0.00	0	120.00	3,840
Screen Wash Bubbler System Equipment	TN	2	2000	1.00	228.80	229	0.00	0	120.00	120
Screen Wash System 2" & < - Pipe	TN	60	180	0.09	228.80	21	0.00	0	120.00	11
Screen Wash System 2 1/2" & > - Pipe	TN	320	3200	1.60	171.60	275	0.00	0	120.00	192
Screen Wash Pumps	TN	2	3080	1.54	171.60	264	0.00	0	120.00	185
						9,254			0	4,948

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
HRSG Stack										
HRSG Stack Foundation Concrete	CY	1,550		1,550.00	68.40	106,020	70.00	108,500	0.00	0
Stacks - Unit 5	TN	4	1,054,000	527.00	171.60	90,433	0.00	0	120.00	63,240
Gland Steam Condenser - Insulation	CY	150	0.333333333	50.00	52.00	2,600	53.00	2,650	0.00	0
						199,053		111,150		63,240
Lube Oil System										
Lube Oil System - 2" & < Pipe	TN	2,000	6000	3.00	228.80	686	0.00	0	120.00	360
Lube Oil System - 2 1/2" & > Pipe	TN	350	10500	5.25	171.60	901	0.00	0	120.00	630
Lube Oil Transfer/Return Pumps	TN	2	3,000	1.50	171.60	257	0.00	0	120.00	180
S.T. Lube Oil Reservoir	TN	2	20,000	10.00	171.60	1,716	0.00	0	120.00	1,200
Turbo Lube Oil Conditioner	TN	2	4000	2.00	171.60	343	0.00	0	120.00	240
						3,904		0		2,610
Cranes and Hoists										
Miscellaneous Monorails & Hoists	TN	15	75000	37.50	228.80	8,580	0.00	0	120.00	4,500
Combustion Turbine										
Combustion Turbine Fdn Mat Concrete	CY	1	2,682	2,682.00	68.40	183,449	70.00	187,740	0.00	0
Condensate Pump Caings	TN	4	2,000	4.00	171.60	686	0.00	0	120.00	480
Misc. Mechanical Equipment Fdn Concrete	CY	1	300	300.00	68.40	20,520	70.00	21,000	0.00	0
CT Equipment Fdn Concrete Pads	CY	1	450	450.00	68.40	30,780	70.00	31,500	0.00	0
C.T. 8 Combustion Turbine	TN	4	377,000	754.00	130.00	98,020	0.00	0	120.00	90,480
CT 8 Insulation	CY	1	180	180.00	52.00	9,360	70.00	12,600	0.00	0
C.T. Interconnect Pipe 1 1/2" & >	TN	1	210	210.00	171.60	36,036	0.00	0	120.00	25,200
C.T. Interconnect Pipe 1 1/2" & <	TN	1	10	9.50	171.60	1,630	0.00	0	120.00	1,140
						380,481		252,840		117,300
Closed Cooling Water System										
Closed Cooling Water Heat Exchanger	TN	2	58,676	29.34	228.80	6,713	0.00	0	120.00	3,521
CCW System 2 " & < - Pipe	TN	3,678	11034	5.52	228.80	1,262	0.00	0	120.00	662
CCW System 2 1/2" & > - Pipe	TN	4,868	146040	73.02	171.60	12,530	0.00	0	120.00	8,762
Closed Cooling Water Pumps	TN	3	9750	4.88	171.60	837	0.00	0	120.00	585
						21,342		0		13,530
Account 343 Totals						3,264,828		886,026		2,547,408
Account 344: Generators										
Steam Turbine Foundation Mat Concrete	CY	1,200		1,200.00	68.40	82,080	70.00	84,000	0.00	0
Steam Turbine Pedestal Concrete	CY	920		920.00	68.40	62,928	70.00	64,400	0.00	0
C.T. 5 Generator	TN	4	1,256,000	628.00	130.00	81,640	0.00	0	120.00	75,360
Generator Copper	TN	5	180,000	90.00	509.60	45,864	0.00	0	5,000.00	450,000
Generator	TN	5	2,000,000	1,000.00	130.00	130,000	0.00	0	120.00	120,000
						402,512		148,400		645,360
Cooling Tower										
Cooling Tower	TN	1	1,360.00	1,360.00	369.20	502,112	0.00	0	120.00	163,200
Reinf Conc	CY	1	553.32	553.32	68.40	37,847	70.00	38,732	0.00	0
Subtotal						539,959		38,732		163,200
Account 344 Totals						942,471		187,132		808,560

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Components	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Account 345: Accessory Electric Equipment										
Electrical Power Cable	TN	2	5	10.00	228.80	2,288	0.00	0	2,100.00	21,000
Electrical Control Cable	TN	2	3	5.00	228.80	1,144	0.00	0	2,100.00	10,500
Station Transformer	TN	2	39	77.00	228.80	17,618	0.00	0	120.00	9,240
CT Step-up Transformer	TN	2	47	93.12	228.80	21,306	0.00	0	120.00	11,174
Control Center-off base	TN	2	27	54.00	228.80	12,355	0.00	0	120.00	6,480
Miscellaneous Materials + 5%	TN	1	1,987	11.96	228.80	2,736	0.00	0	120.00	1,435
						57,446		0		59,829
Excitation Equipment										
Generator Excitation Power Transformers	TN	5	125,000	62.50	171.60	14,300	0.00	0	120.00	7,500
Transformer Copper	TN	1	25	25.00	384.80	9,620	0.00	0	5,000.00	125,000
Instrumentation	TN	1,500	30000	15.00	228.80	1,026	0.00	0	120.00	1,800
						24,946		0		134,300
Electrical Equipment										
Electrical Equipment Pads Concrete	CY	125		125.00	68.40	8,550	70.00	8,750	0.00	0
Uninterruptible Power Supply	TN	1	1000	0.50	228.80	114	0.00	0	120.00	60
Station Battery Charger & Panels	TN	2	12,000	6.00	228.80	1,373	0.00	0	120.00	720
Grounding & Cathodic Protection	TN	5	275,000	137.50	228.80	31,460	0.00	0	120.00	16,500
Grounding Grid (Incl. Pads Rods)	TN	22,135	11067.5	5.53	228.80	1,266	0.00	0	120.00	664
Lightning Protection	TN	1	5000	2.50	228.80	572	0.00	0	120.00	300
Embedded Conduits Foundations	CY	75,000	0.006	444.44	68.40	30,400	70.00	31,111	0.00	0
Power & Control Conduits	TN	131592	328980	164.49	228.80	37,635	0.00	0	120.00	19,739
Cable Tray	TN	18259.5	456487.5	228.24	228.80	52,222	0.00	0	120.00	27,389
Concrete Duct Banks	CY	3,000		3,000.00	68.40	205,200	70.00	210,000	0.00	0
Electrical Manholes	CY	23	2.8	62.50	24.96	1,560	70.00	4,375	0.00	0
Isophase Bus	TN	2,250	90000	45.00	228.80	10,296	0.00	0	120.00	5,400
Main Control Boards	TN	2	13.3	20.00	228.80	4,576	0.00	0	120.00	2,400
Miscellaneous Relay Panels	TN	18	0.30	5.33	228.80	1,220	0.00	0	120.00	640
Instrument Racks	TN	162	32400	16.20	228.80	3,707	0.00	0	120.00	1,944
Annunciators	TN	1	5	5.00	228.80	1,144	0.00	0	120.00	600
Miscellaneous Power Transformers	TN	1	55,000	27.50	228.80	6,292	0.00	0	120.00	3,300
208/120V AC Distribution Panels	TN	3	0.30	0.89	228.80	203	0.00	0	120.00	107
Load Centers	TN	3	15,000	7.50	228.80	1,716	0.00	0	120.00	900
Motor Control Centers	TN	17	85,000	42.50	228.80	9,724	0.00	0	120.00	5,100
Distribution Panels	TN	3	0.30	3.30	228.80	755	0.00	0	120.00	396
Power Cable - 8KV	TN	86514	181938.942	90.97	624.00	56,765	0.00	0	2,100.00	191,036
Power Cable - Medium Voltage	TN	304187	91255.95	45.63	624.00	28,472	0.00	0	2,100.00	95,819
Electrical Switchgear Foundation Concrete	CY	882		882.00	68.40	60,329	70.00	61,740	0.00	0
Non-Seg Bus	TN	889	35,560	17.78	228.80	4,068	0.00	0	120.00	2,134
4.16 KV Switchgear	TN	3	15,000	7.50	228.80	1,716	0.00	0	120.00	900
Control Cable	TN	689268	48248.76	24.12	624.00	15,054	0.00	0	2,100.00	50,661
Instrumentation Cable	TN	393974	19698.6965	9.85	624.00	6,146	0.00	0	2,100.00	20,684
Distributed Control System	TN	2	10,000	5.00	228.80	1,144	0.00	0	120.00	600
						583,679		315,976		447,992
Account 345 Totals						666,072		315,976		642,121

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo- nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Account 346: Miscellaneous Plant Equipment										
Compressed Air Piping	TN	10,028	30084.6	15.04	228.80	3,442	0.00	0	120.00	1,805
Instrument Air System 2" < Pipe	TN	136	407.4	0.20	228.80	47	0.00	0	120.00	24
Service Air System 2" < Pipe	TN	2,660	7980	3.99	228.80	913	0.00	0	120.00	479
Instrument Air System 2 1/2" > Pipe	TN	438	4382	2.19	228.80	501	0.00	0	120.00	263
Service Air System 2 1/2" > Pipe	TN	548	5475	2.74	228.80	626	0.00	0	120.00	329
Instrument Air Compressors, Rec, & Drye	TN	2	27,180	13.59	228.80	3,109	0.00	0	120.00	1,631
Plant Communications & Phones	TN	2	6,000	3.00	228.80	686	0.00	0	120.00	360
Heat Tracing	TN	2	3750	1.88	228.80	429	0.00	0	120.00	225
Fire Protection/Detection Equipment	TN	2	7,500	3.75	228.80	858	0.00	0	120.00	450
Miscellaneous Electrical Items	TN	2		20.00	228.80	4,576	0.00	0	120.00	2,400
Account 346 Totals						15,188		0		7,966
Unit 5 Totals						6,444,530		2,213,203		4,398,574