ORIGINAL

9250 West Flagler St., Miami, FL 33174

FPL

June 19, 2003

Ms. Blanca Bayo
Division of the Commission Clerk and
Administrative Services
Florida Public Service Commission
2540 Shumard Oak Boulevard, Room 110
Tallahassee, Florida 32399-0850

030558-EI

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COMMISSION
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Re: Fossil Dismantlement Studies

Dear Ms. Bayo:

Florida Power & Light Company (FPL) respectfully submits an original and fifteen copies of its comprehensive fossil dismantlement studies in accordance with Florida Public Service Commission (FPSC) Order No. 24741 which among other things requires FPL to file fossil dismantlement studies every four years. The dismantlement studies are site specific and unit specific. Cost estimates of the accruals permit the recovery of the future cost to dismantle the units over the estimated service life of the units. The fossil dismantlement studies include estimates of material and supplies inventories that will remain when the units are retired. These inventories are unique to the plant site and will have little value other than scrap value when the sites are dismantled.

FPL is requesting the interim approval of the fossil dismantlement accruals with an effective date of January 1, 2003. The annual fossil dismantlement accrual is increasing by $917,520, from the previously approved amount of $15,574,015 to $16,491,535. Enclosed in the study are the calculations of the fossil dismantlement annual expense accruals and a summary showing a comparison of the annual accrual to the prior accrual authorized by the FPSC.

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

Mr. W. G. Walker, III
Florida Power & Light Company
215 South Monroe Street
Suite 810
Tallahassee, Florida 32301

Mr. R. Wade Litchfield
Senior Attorney
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, Florida 33408-0420

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If you or your staff have any questions, please contact me at (305) 552-2358.

Sincerely,

H. A. Cuba
Director Regulatory and Tax Accounting

cc. Patricia S. Lee, FPSC
William G. Walker, III
R. Wade Litchfield

Attachment

ORIGINAL

Florida Power & Light Company

Fossil Dismantlement Studies

Cape Canaveral
Cutler
Fort Lauderdale
Fort Myers
Manatee
Martin
Port Everglades
Putnam
Riviera
Sanford
Scherer Unit 4
St. Johns River
Turkey Point

2003 Filing

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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. The oil tank costs for soil remediation, tank cleaning and removal are obtained from FPL's Power Generation Division.

Inflation indices from Global Insight (formerly WEBA DRI) 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 12/31/02
Current and Proposed Annual Accruals

Plant Sites	Current Annual Accrual effective 1/1/1999	Proposed Annual Accrual effective 1/1/2003	Increase/(Decrease) in Annual Dismantlement Accrual
Cape Canaveral	641,593	606,925	(34,668)
Cutler	374,541	269,549	(104,992)
Fort Lauderdale	1,064,709	1,421,005	356,296
Ft. Myers	1,380,113	900,289	(479,824)
Manatee	1,638,834	2,543,323	904,489
Martin	2,715,718	3,262,628	546,910
Port Everglades	1,718,175	2,148,887	430,712
Putnam	442,534	349,433	(93,101)
Riviera	853,591	629,946	(223,645)
Sanford	1,490,155	1,199,736	(290,419)
Scherer	1,155,529	1,276,972	121,443
St. Johns River Power Park	867,729	776,659	(91,070)
Turkey Point	1,230,794	1,106,183	(124,611)
Total	15,574,015	16,491,535	917,520

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

	Jurisdictional Factor	0.98767		
Site/Units	Dismantlement Cost in Current Dollars	Jurisdictional Dismantlement Cost in Current Dollars	Dismantlement Cost in Future Dollars	Jurisdictional Dismantlement Cost in Future Dollars
Cape Canaveral				
Common	5,329,917	5,264,199	7,950,959	7,852,924
Unit 1	3,850,037	3,802,566	6,003,425	5,929,403
Unit 2	3,518,868	3,475,480	6,302,192	6,224,486
Cutler				
Unit 5	3,450,656	3,408,109	4,620,148	4,563,182
Unit 6	4,440,294	4,385,545	5,966,471	5,892,904
Fort Lauderdale				
Unit 4	11,531,998	11,389,808	21,292,209	21,029,676
Unit 5	9,091,264	8,979,169	16,697,347	16,491,469
Gas Turbines	390,444	385,630	549,997	543,216
Fort Myers				
Common	7,419,344	7,327,863	18,614,410	18,384,894
Unit 2	10,110,932	9,986,264	28,426,471	28,075,973
Gas Turbines	2,129,012	2,102,761	2,943,670	2,907,375
Manatee				
Common	16,659,872	16,454,456	24,939,665	24,632,159
Unit 1	11,037,848	10,901,751	17,755,529	17,536,603
Unit 2	11,037,848	10,901,751	17,755,529	17,536,603
Martin				
Common	22,365,089	22,089,327	37,213,746	36,754,901
Unit 1	10,589,479	10,458,911	18,799,313	18,567,517
Unit 2	10,589,479	10,458,911	18,799,313	18,567,517
Unit 3	6,198,826	6,122,394	12,482,340	12,328,433
Unit 4	4,174,778	4,123,303	8,618,601	8,512,334
Unit 8	3,504,979	3,461,763	9,321,865	9,206,926
Port Everglades				
Common	9,628,252	9,509,536	13,123,843	12,962,026
Unit 1	5,331,263	5,265,529	7,316,118	7,225,910
Unit 2	5,331,263	5,265,529	7,316,118	7,225,910
Unit 3	7,877,281	7,780,154	11,480,268	11,338,716
Unit 4	7,877,281	7,780,154	11,851,895	11,705,761
Gas Turbines	456,837	451,204	653,649	645,590

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

	Jurisdictional Factor	0.98767		
Site/Units	Dismantlement Cost in Current Dollars	Jurisdictional Dismantlement Cost in Current Dollars	Dismantlement Cost in Future Dollars	Jurisdictional Dismantlement Cost in Future Dollars
Putnam				
Common	6,342,841	6,264,634	8,538,783	8,433,500
Unit 1	715,869	707,042	1,041,897	1,029,050
Unit 2	715,869	707,042	1,004,788	992,399
Riviera				
Common	6,291,804	6,214,226	8,331,388	8,228,662
Unit 2	0	0	0	0
Unit 3	5,387,348	5,320,922	7,382,594	7,291,567
Unit 4	5,387,348	5,320,922	7,632,410	7,538,302
Sanford				
Common	5,075,822	5,013,237	12,660,618	12,504,513
Unit 3	4,775,049	4,716,173	6,539,952	6,459,314
Unit 4	8,753,013	8,645,088	23,654,610	23,362,949
Unit 5	8,753,013	8,645,088	24,534,093	24,231,588
Scherer				
Common - Units 1 - 4	15,692,660	15,499,170	43,322,506	42,788,340
Common - Units 3 - 4	1,925,144	1,901,407	5,116,012	5,052,932
Unit 4	8,250,738	8,149,006	25,097,587	24,788,134
SJRPP				
Common	8,498,088	8,393,307	18,287,630	18,062,144
Unit 1	3,545,466	3,501,750	10,019,619	9,896,077
Unit 2	3,545,466	3,501,750	10,019,619	9,896,077
Ash Handling Equipment	451,136	445,573	1,190,515	1,175,836
Coal & Limestone Handling Equipment	1,612,105	1,592,228	4,420,231	4,365,730
Turkey Point				
Common	5,551,976	5,483,520	8,671,919	8,564,994
Unit 1	9,362,851	9,247,407	15,001,456	14,816,488
Unit 2	9,362,851	9,247,407	15,506,988	15,315,787
Totals	313,919,598	310,048,969	594,770,306	587,436,788

Florida Power & Light Company
Fossil Dismantlement Study as of 12/31/02
Escalation Factors

Global Insight (formerly DRI) February, 2003 Forecast of Long Term Prices
Metals and Metal Products Prices from USMacro's 25 Year Trend

	AVERAGE HOURLY COMPENSATION, ALL EMPLOYEES			INTERMEDIATE MATERIALS, SUPPLIES COMPONENTS			GDP DEFLATOR			METAL & METAL PRODUCTS		
YEAR	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2002	COMPOUNDED MULTIPLIER FROM 2002	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2002	COMPOUNDED MULTIPLIER FROM 2002	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2002	COMPOUNDED MULTIPLIER FROM 2002	ANNUAL RATE OF CHANGE	COMPOUNDED MULTIPLIER FROM 2002	COMPOUNDED MULTIPLIER FROM 2002
2002	2 9%	1 000000	1 000000	-1 5%	1 000000	1 000000	1 1%	1 000000	1 000000	0 4%	1.000000	1 000000
2003	4 3%	1 043000	1 043000	0 9%	1.009000	1 009000	1 8%	1 018000	1 018000	0 6%	1 006000	1.006000
2004	4 1%	1 085763	1 085763	-0 2%	1 006982	1 006982	2.0%	1 038360	1 038360	1 7%	1 023102	1 023102
2005	4 2%	1 131365	1 131365	0 4%	1 011010	1 011010	2 0%	1 059127	1 059127	1 8%	1 041518	1 041518
2006	3 9%	1 175488	1 175488	0 6%	1 017076	1 017076	2 1%	1 081369	1 081369	1 0%	1 051933	1 051933
2007	4 0%	1 222508	1 222508	0 7%	1 024196	1.024196	2 3%	1.106240	1.106240	1 0%	1 062452	1.062452
2008	4 3%	1 275076	1 275076	0 7%	1 031365	1 031365	2 5%	1 133896	1 133896	1 0%	1 073077	1.073077
2009	4 5%	1.332454	1 332454	0 7%	1 038584	1 038584	2 6%	1 163378	1 163378	1 1%	1 084881	1 084881
2010	4 4%	1.391082	1 391082	0 6%	1 044816	1 044816	2 6%	1.193625	1 193625	1 1%	1 096814	1 096814
2011	4 5%	1 453681	1 453681	0 6%	1.051085	1 051085	2 6%	1.224660	1.224660	1 3%	1.111073	1 111073
2012	4 5%	1 519096	1 519096	0 5%	1 056340	1 056340	2 6%	1 256501	1 256501	1 2%	1 124406	1 124406
2013	4 5%	1 587456	1 587456	0 5%	1 061622	1 061622	2 6%	1 289170	1 289170	1 4%	1.140148	1 140148
2014	4 7%	1 662066	1 662066	0 2%	1 063745	1 063745	2 7%	1 323978	1 323978	0 6%	1.146988	1 146988
2015	4 5%	1 736859	1 736859	-0 2%	1 061618	1 061618	2 6%	1 358401	1 358401	-0 9%	1 136666	1 136666
2016	4 4%	1 813281	1 813281	-0 2%	1.059494	1 059494	2 6%	1 393719	1 393719	-0 4%	1.132119	1 132119
2017	4 3%	1.891252	1.891252	0 0%	1 059494	1 059494	2.7%	1 431350	1 431350	0.6%	1 138912	1 138912
2018	4 5%	1 976358	1 976358	0 1%	1 060554	1 060554	2.9%	1 472859	1 472859	1 3%	1 153717	1 153717
2019	4 5%	2 065294	2 065294	0 0%	1 060554	1.060554	3 1%	1.518518	1 518518	1 6%	1 172177	1 172177
2020	4 6%	2 160298	2 160298	-0 1%	1 059493	1 059493	3 1%	1 565592	1 565592	1 3%	1 187415	1 187415
2021	4 5%	2 257511	2 257511	-0 3%	1 056315	1 056315	3 1%	1 614125	1 614125	1 4%	1 204039	1 204039
2022	4 3%	2 354584	2.354584	-0 3%	1 053146	1 053146	3 1%	1 664163	1.664163	1 7%	1 224508	1 224508
2023	4 4%	2 458186	2 458186	-0 5%	1 047880	1.047880	3 2%	1 717416	1 717416	2 0%	1 248998	1.248998
2024	4 4%	2.566346	2 566346	-0 7%	1 040545	1.040545	3.1%	1.770656	1.770656	1.9%	1 272729	1.272729
2025	4 5%	2 681832	2 681832	-0 8%	1 032221	1.032221	3 2%	1 827317	1.827317	2 3%	1 302002	1 302002
2026	4 6%	2 805196	2 805196	-0 9%	1 022931	1 022931	3.2%	1 885791	1 885791	2 9%	1 339760	1 339760
2027	4 6%	2 934235	2 934235	-0 9%	1 013724	1 013724	3 2%	1 946136	1 946136	2 9%	1.378613	1 378613
2028	4 6%	3 069210	3 069210	-0 9%	1 004601	1 004601	3 2%	2 008413	2 008413	2 9%	1 418592	1 418592
2029	4.6%	3.210394	3 210394	-0 9%	0 995559	0.995559	3.2%	2.072682	2 072682	2 9%	1 459732	1 459732
2030	4.6%	3.358072	3.358072	-0 9%	0 986599	0 986599	3 2%	2.139008	2.139008	2 9%	1.502064	1 502064
2031	4 6%	3 512543	3 512543	-0 9%	0.977720	0 977720	3 2%	2 207456	2 207456	2 9%	1 545624	1.545624
2032	4 6%	3 674120	3 674120	-0 9%	0.968921	0 968921	3 2%	2 278095	2 278095	2 9%	1 590447	1 590447
2033	4 6%	3 843130	3 843130	-0 9%	0 960200	0 960200	3.2%	2.350994	2.350994	2 9%	1.636570	1 636570

Computation of Annual Accrual									
In Service Year	1954	1955	1960	1961	1964	1965	1960	1971	1993
Plant	CUTLER 5	CUTLER 6	PPE 1	PPE 2	PPE 3	PPE 4	PPE CM	PPE GT	PFL 4
Year prior to updating accrual	2002	2002	2002	2002	2002	2002	2002	2002	2002
Capital Recovery Year	2007	2007	2007	2007	2009	2010	2009	2007	2018
Cost @ Study	3,450,656	4,440,294	5,331,263	5,331,263	7,877,281	7,877,281	9,628,252	456,837	11,531,998
Future $ 1st Yr Exp	1,357,121	1,752,169	2,145,533	2,145,533	3,366,620	3,477,278	3,866,914	191,199	6,252,829
Future $ 2nd Yr Exp	3,263,027	4,214,302	5,170,584	5,170,584	8,113,648	8,374,617	9,256,929	462,449	15,039,380
Total Future $ Exp	4,620,148	5,966,471	7,316,118	7,316,118	11,480,268	11,851,895	13,123,843	653,649	21,292,209
Less Dismantlement Reserve 12/02	4,007,492	5,187,050	5,727,806	5,726,721	7,870,289	7,656,090	8,783,870	551,904	5,030,956
Net Amount to Accrue	612,656	779,421	1,588,312	1,589,397	3,609,979	4,195,805	4,339,973	101,745	16,261,253
Capital Recovery Years	5.00	5.00	5 00	5.00	7 00	8.00	7.00	5.00	16.00
Annual Accrual 2003	108,185	137,432	277,479	277,669	433,443	432,288	536,946	17,470	735,836
2004	114,800	145,938	295,922	296,124	457,726	455,213	561,654	18,785	764,776
2005	121,950	155,134	315,941	316,157	483,753	479,698	588,019	20,219	795,220
2006	129,680	165,079	337,679	337,909	511,659	505,852	616,163	21,783	827,253
TOTAL 2003 - 2006	474,614	603,583	1,227,021	1,227,859	1,886,581	1,873,051	2,302,781	78,257	3,123,085
4 YEAR AVERAGE	118,654	150,896	306,755	306,965	471,645	468,263	575,695	19,564	780,771
Monthly Accrual	$9,888	$12,575	$25,563	$25,580	$39,304	$39,022	$47,975	$1,630	$65,064

Computation of Annual Accrual								
In Service Year	1993	1926	1958	1969	1974	1965	1965	1969
Plant	PFL 5	PFL GT	PFM CM	PFM 2	PFM GT	PCC CM	PCC 1	PCC 2
Year prior to updating accrual	2002	2002	2002	2002	2002	2002	2002	2002
Capital Recovery Year	2018	2007	2028	2028	2007	2012	2010	2014
Cost @ Study	9,091,264	390,444	7,419,344	10,110,932	2,129,012	5,329,917	3,850,037	3,518,868
Future $ 1st Yr Exp	4,904,912	161,028	5,451,443	8,311,621	862,864	2,338,043	1,756,847	1,843,228
Future $ 2nd Yr Exp	11,792,435	388,970	13,162,966	20,114,850	2,080,806	5,612,916	4,246,577	4,458,964
Total Future $ Exp	16,697,347	549,997	18,614,410	28,426,471	2,943,670	7,950,959	6,003,425	6,302,192
Less Dismantlement Reserve 12/02	4,098,242	370,527	8,604,994	4,226,288	2,358,391	5,314,589	4,279,429	3,522,900
Net Amount to Accrue	12,599,105	179,471	10,009,416	24,200,183	585,279	2,636,370	1,723,996	2,779,292
Capital Recovery Years	16.00	5.00	26 00	26.00	5.00	10.00	8.00	12 00
Annual Accrual 2003	571,085	30,986	224,301	517,714	101,941	216,204	174,713	172,655
2004	593,358	33,225	232,402	538,807	108,876	225,144	184,802	181,322
2005	616,800	35,669	240,930	560,985	116,406	234,618	195,603	190,521
2006	641,475	38,338	249,909	584,302	124,585	244,661	207,170	200,285
TOTAL 2003 - 2006	2,422,718	138,217	947,542	2,201,807	451,808	920,627	762,288	744,783
4 YEAR AVERAGE	605,679	34,554	236,885	550,452	112,952	230,157	190,572	186,196
Monthly Accrual	$50,473	$2,880	$19,740	$45,871	$9,413	$19,180	$15,881	$15,516

Computation of Annual Accrual								
In Service Year	1962	1963	1946	1976	1977	1976	1959	1972
Plant	PRV 3	PRV 4	PRV CM	PMT 1	PMT 2	PMT CM	SNFORD 3	SNFORD 4
Year prior to updating accrual	2002	2002	2002	2002	2002	2002	2002	2002
Capital Recovery Year	2007	2008	2008	2012	2012	2012	2007	2027
Cost @ Study	5,387,348	5,387,348	6,291,804	11,037,848	11,037,848	16,659,872	4,775,049	8,753,013
Future $ 1st Yr Exp	2,165,228	2,236,014	2,452,276	5,199,274	5,199,274	7,329,125	1,918,157	6,917,393
Future $ 2nd Yr Exp	5,217,366	5,396,396	5,879,112	12,556,255	12,556,255	17,610,541	4,621,795	16,737,217
Total Future $ Exp	7,382,594	7,632,410	8,331,388	17,755,529	17,755,529	24,939,665	6,539,952	23,654,610
Less Dismantlement Reserve 12/02	6,570,571	6,386,220	6,573,930	9,285,345	9,233,249	12,431,988	5,527,646	8,708,139
Net Amount to Accrue	812,023	1,246,190	1,757,458	8,470,184	8,522,280	12,507,678	1,012,306	14,946,471
Capital Recovery Years	5 00	6.00	6.00	10.00	10 00	10.00	5 00	25.00
Annual Accrual 2003	141,959	177,761	258,613	671,705	675,837	1,025,925	177,015	340,744
2004	151,348	188,546	271,177	704,689	709,023	1,068,627	188,701	354,633
2005	161,535	200,170	284,560	739,671	744,221	1,113,766	201,379	369,244
2006	172,589	212,702	298,823	776,779	781,557	1,161,494	215,138	384,614
TOTAL 2003 - 2006	627,432	779,179	1,113,173	2,892,845	2,910,637	4,369,812	782,233	1,449,235
4 YEAR AVERAGE	156,858	194,795	278,293	723,211	727,659	1,092,453	195,558	362,309
Monthly Accrual	$13,071	$16,233	$23,191	$60,268	$60,638	$91,038	$16,297	$30,192

Computation of Annual Accrual									
In Service Year	1973	1926	1967	1968	1967	1980	1981	1995	1995
Plant	SNFORD 5	SNFORD CM	PTP 1	PTP 2	PTP CM	MARTIN 1	MARTIN 2	MARTIN 3	MARTIN 4
Year prior to updating accrual	2002	2002	2002	2002	2002	2002	2002	2002	2002
Capital Recovery Year	2028	2028	2012	2013	2013	2015	2015	2019	2019
Cost @ Study	8,753,013	5,075,822	9,362,851	9,362,851	5,551,976	10,589,479	10,589,479	6,198,826	4,174,778
Future $ 1st Yr Exp	7,173,093	3,707,146	4,397,424	4,544,585	2,546,492	5,507,821	5,507,821	3,657,651	2,524,666
Future $ 2nd Yr Exp	17,361,000	8,953,471	10,604,032	10,962,403	6,125,427	13,291,492	13,291,492	8,824,689	6,093,935
Total Future $ Exp	24,534,093	12,660,618	15,001,456	15,506,988	8,671,919	18,799,313	18,799,313	12,482,340	8,618,601
Less Dismantlement Reserve 12/02	4,348,260	4,912,526	10,073,922	9,837,271	5,384,455	9,304,922	9,264,957	3,129,376	2,175,365
Net Amount to Accrue	20,185,833	7,748,092	4,927,534	5,669,717	3,287,464	9,494,391	9,534,356	9,352,964	6,443,236
Capital Recovery Years	26.00	26.00	10.00	11.00	11.00	13.00	13.00	17.00	17.00
Annual Accrual 2003	431,799	173,182	390,922	400,807	239,428	545,933	548,231	381,548	259,205
2004	449,340	179,393	409,987	419,800	249,427	570,746	573,149	397,658	270,555
2005	467,788	185,942	430,240	439,944	259,981	596,947	599,460	414,587	282,500
2006	487,190	192,846	451,760	461,311	271,125	624,617	627,246	432,377	295,072
TOTAL 2003 - 2006	1,836,116	731,362	1,682,909	1,721,862	1,019,961	2,338,244	2,348,086	1,626,170	1,107,333
4 YEAR AVERAGE	459,029	182,841	420,727	430,465	254,990	584,561	587,022	406,542	276,833
Monthly Accrual	$38,252	$15,237	$35,061	$35,872	$21,249	$48,713	$48,918	$33,879	$23,069

Computation of Annual Accrual								
In Service Year	2003	1980	1978	1977	1977	1987	1988	1987
Plant	MARTIN 8	MARTIN COM	PUTNAM 1	PUTNAM COM	PUTNAM 2	SJRPP 1	SJRPP 2	SJRPP COM
Year prior to updating accrual	2002	2002	2002	2002	2002	2002	2002	2002
Capital Recovery Year	2028	2015	2008	2008	2007	2028	2028	2028
Cost @ Study	3,504,979	22,365,089	715,869	6,342,841	715,869	3,545,466	3,545,466	8,498,088
Future $ 1st Yr Exp	2,727,597	10,929,019	304,512	2,510,443	294,260	2,929,314	2,929,314	5,372,119
Future $ 2nd Yr Exp	6,594,268	26,284,726	737,385	6,028,340	710,528	7,090,306	7,090,306	12,915,511
Total Future $ Exp	9,321,865	37,213,746	1,041,897	8,538,783	1,004,788	10,019,619	10,019,619	18,287,630
Less Dismantlement Reserve 12/02	0	18,334,542	828,328	6,720,842	851,913	2,576,158	2,441,738	4,744,667
Net Amount to Accrue	9,321,865	18,879,204	213,569	1,817,941	152,875	7,443,461	7,577,881	13,542,963
Capital Recovery Years	26.00	13.00	6.00	6.00	5.00	26.00	26.00	26.00
Annual Accrual 2003	206,998	1,118,239	30,129	265,129	26,474	158,538	161,401	325,397
2004	214,946	1,163,308	32,097	278,846	28,356	165,033	168,013	335,095
2005	223,277	1,210,860	34,219	293,571	30,399	171,865	174,969	345,325
2006	232,009	1,261,041	36,507	309,385	32,618	179,052	182,285	356,116
TOTAL 2003 - 2006	877,230	4,753,449	132,952	1,146,932	117,847	674,487	686,668	1,361,934
4 YEAR AVERAGE	219,307	1,188,362	33,238	286,733	29,462	168,622	171,667	340,483
Monthly Accrual	$18,276	$99,030	$2,770	$23,894	$2,455	$14,052	$14,306	$28,374

Computation of Annual Accrual						
In Service Year	1989	1988	1989	1989	1989	
Plant	SJRPP C&L	SJRPP ASH&G	SCHERER CMN	SCHERER 3&4	SCHERER 4	ALL PLANTS
Year prior to updating accrual	2002	2002	2002	2002	2002	#N/A
Capital Recovery Year	2028	2028	2029	2029	2029	#N/A
Cost @ Study	1,612,105	451,136	15,692,660	1,925,144	8,250,738	313,919,598
Future $ 1st Yr Exp	1,292,762	348,418	12,665,170	1,497,977	7,331,718	174,301,243
Future $ 2nd Yr Exp	3,127,469	842,097	30,657,337	3,618,034	17,765,869	420,469,059
Total Future $ Exp	4,420,231	1,190,515	43,322,507	5,116,012	25,097,587	594,770,303
Less Dismantlement Reserve 12/02	1,155,827	320,519	7,258,259	1,253,634	5,301,955	258,254,061
Net Amount to Accrue	3,264,404	869,996	36,064,248	3,862,378	19,795,632	336,516,242
Capital Recovery Years	26.00	26.00	27.00	27.00	27.00	
Annual Accrual 2003	70,915	19,460	734,231	83,308	385,395	15,392,575
2004	73,729	20,201	762,466	86,377	401,730	16,095,870
2005	76,685	20,977	792,226	89,582	418,949	16,842,460
2006	79,790	21,789	823,593	92,929	437,100	17,635,235
TOTAL 2003 - 2006	301,119	82,427	3,112,516	352,196	1,643,175	65,966,140
4 YEAR AVERAGE	75,280	20,607	778,129	88,049	410,794	16,491,535
Monthly Accrual	$6,273	$1,717	$64,844	$7,337	$34,233	$1,374,295

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 estimated retirement dates for these units are as follows:

Unit	Year
Unit 1:	2010
Unit 2:	2014
Common:	2012

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. 981166-EI, Order No. PSC-00-0293-PAA-EI, issued on February 14, 2000. The accruals became effective as of January 1, 1999.

CAPE CANAVERAL
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Cape Canaveral Common				
	Production Plant				
311	Structures and Improvements	312,334	1,083,685	114,086	1,281,934
312	Boiler Plant Equipment	0	0	0	0
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	5,303	0	3,960	1,343
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	317,638	1,083,685	118,046	1,283,277
	Other Site Costs				
	Site Mangement Expenses	651,052			651,052
	Intake & Discharge Backfill	64,484			64,484
	Grading & Seeding	1,895,447			1,895,447
	Subtotal	2,610,983	0	0	2,610,983
	Total Common excluding M&S	2,928,621	1,083,685	118,046	3,894,260
	Contingency - 16%	468,579	173,390		641,969
	Total Cape Canaveral Common	3,397,201	1,257,075	118,046	4,536,230
	Unusable M&S Inventory	881,875	0	88,188	793,687
	Total Common Including Unusable M&S	4,279,076	1,257,075	206,234	5,329,917
	Cape Canaveral Unit 1				
311	Structures and Improvements	841,022	343,781	106,159	1,078,644
312	Boiler Plant Equipment	1,699,541	248,961	327,296	1,621,206
314	Turbogenerator Units	554,373	99,698	302,814	351,257
315	Accessory Electrical Equipment	228,220	58,497	175,802	110,915
316	Miscellaneous Equipment	37,408	0	7,234	30,174
	Subtotal	3,360,565	750,937	919,305	3,192,197
	Contingency - 16%	537,690	120,150		657,840
	Total Cape Canaveral Unit 1	3,898,256	871,087	919,305	3,850,037
	Cape Canaveral Unit 2				
311	Structures and Improvements	674,471	337,019	72,337	939,154
312	Boiler Plant Equipment	1,531,578	240,569	293,668	1,478,479
314	Turbogenerator Units	591,531	102,984	296,162	398,354
315	Accessory Electrical Equipment	226,175	54,126	180,961	99,340
316	Miscellaneous Equipment	2,110	0	258	1,851
	Subtotal	3,025,865	734,698	843,386	2,917,178
	Contingency - 16%	484,138	117,552		601,690
	Total Cape Canaveral Unit 2	3,510,004	852,250	843,386	3,518,868
	Total Dismantlement Costs	11,687,335	2,980,411	1,968,925	12,698,821

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	2,038,320	2,240,755	1,257,075	206,234	5,329,917
Cape Canaveral Unit 1	2,338,954	1,559,302	871,087	919,305	3,850,037
Cape Canaveral Unit 2	2,106,002	1,404,001	852,250	843,386	3,518,868
Total	6,483,276	5,204,059	2,980,411	1,968,925	12,698,821

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 PGD. 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.

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 plant 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 Cape Canaveral plant depreciation study submitted in 2002 (on an information only basis) using data as of year end 2001.

Asbestos at Cape Canaveral plant has been virtually completely abated. Thus for purposes of this study, Cape Canaveral is now considered an asbestos free plant.

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 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 were developed by FPL's Power Generation Division (PGD) The crew rate per man-hour is for a crew consisting of six journeymen laborers, one laborer foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a Trojan 3500Z front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. 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 for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$27.79	X	6	=	$166.72
Foreman	$35.70	X	1	=	$35.70
Heavy Equipment Operator	$33.28	X	1	=	$33.28
Total Cost per hour of 8 man crew					$235.71
Cost per man hour		$235.71	/	8 =	$29.46

Equipment Rate

The equipment rate is based on the following equipment:

Excavator				15,961.61
Front End Loader				5,471.12
Cutting Equipment				208.12
Total per month				21,640.85
21,640.85	/	176	hours per month =	122.96
Cost per man hour		$122.96	/ 8 =	$15.37
Plus: amount for small tools				0.80
Total Cost per man hour				$16.17

Equipment & Labor Summary

Labor	$29.46
Equipment	16.17
Total	$45.63
Rounded	$46.00
For Concrete demolition add $4.00 per hour additional equipment charge.	$50.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$46.00	2.50 MH / Ton	$115.00 / Ton
Heavy Steel (2)	$46.00	3.30 MH / Ton	$151.80 / Ton
General Steel	$46.00	4.40 MH / Ton	$202.40 / Ton
Light Steel	$46.00	7.10 MH / Ton	$326.60 / Ton
Concrete	$50.00	0.48 MH / CY	$24.00 / CY
Reinforced Concrete	$50.00	1.20 MH / CY	$60.00 / CY
Copper-Elect. Cable & Generator Leads &	$46.00	12.00 MH / Ton	$552.00 / Ton
Copper - Generator	$46.00	9.80 MH / Ton	$450.80 / Ton
Copper - Transformer	$46.00	7.40 MH / Ton	$340.40 / Ton
General Insulation	$46.00	1.00 MH / CY	$46.00 / CY
Inground Pipe-Metal(3)	$46.00	6.00 MH / Ton	$276.00 / Ton
Concrete Pipe	$50.00	4.60 MH / Ton	$230.00 / 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 $130 per haul for a 20 cubic cubic yard dumpster ($160 per haul for a 40 cubic yard dumpster) were provided by USA Waste Inc. (formerly Western Waste).

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	$130.00	/ haul	X	1 haul	=	$130.00
Tipping Fees	$24.00	/ ton	X	30.5 tons	=	$732.00
Total Cost per round Trip						$862.00
Cost per Cubic Yard	$862.00	/ 15.38 cubic yards =				$56.05
Plus 10% contractor profit						$5.60
Total Cost per Cubic Yard						$61.65
Rounded Cost per Cubic Yard						$62.00

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

Truck Cost	$160.00	/ haul	X	1 haul	=	$160.00
Tipping Fees	$24.00	/ ton	X	2.43 tons	=	$58.32
Total Cost per round Trip						$218.32
Cost per Cubic Yard	$218.32	/ 36 cubic yards =				$6.06
Plus 10% contractor profit						$0.61
Total Cost per Cubic Yard						$6.67
Rounded Cost per Cubic Yard						$7.00

SALVAGE VALUE FACTORS

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

Iron & Steel	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable:	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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 are: $15,996.54 per month for owners' expenses, both office and site, and $20,173.03 per month for site indirect costs (contractors' expenses). 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	$36,170
Number of months	18
Total Site Mangement Expenses	$651,052

Intake & Discharge Backfill

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. The cost for the intake is $32,242 the cost for the discharge is $25,559. Cape Canaveral has 2 Intakes and no Discharges, producing back-fill costs as follows:

	Cost/Structure	Quantity	Totals
Intake	$32,242	2	$64,484
Discharge	$25,559	0	$0
			$64,484

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 is $46,118 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.

Cape Canaveral Acreage to be graded and seeded	41.10
Cost Factor	$46,118
Total Grading and Seeding Expense	$1,895,447

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
CAPE CANAVERAL COMMON										
FERC Account 311										
Dock	CY	1	180 00	180 00	24 00	4,320	62.00	11,160	0.00	0
Hose Handling Structure	TN	1	1 37	1 37	326.60	447	0 00	0	40 00	55
Fuel Oil Storage Tank (268,000 bbl)	TN	3	802 00	2,406 00	n/a	128,529	0 00	0	40 00	96,240
Cleaning Fuel Oil Storage Tanks					n/a	0	n/a	582,543	0 00	0
Remove Sand Base - Fuel Oil Storage Tanks					n/a	0	n/a	290,442	0 00	0
Light Oil Tank 71 bbls					n/a	5,712	0 00	0	0 00	0
Cleaning Light Oil Tank					n/a	n/a	n/a	5,118	n/a	0
Soil Remediation - Light Oil Tank					n/a	n/a	n/a	3,916	n/a	0
Demolition of Concrete Foundation					n/a	9,544	n/a	0	n/a	0
Water Treatment Area Slab	CY	1	267 00	267 00	60 00	16,020	62.00	16,554	0 00	0
Water Treatment Equipment	TN	1	54 00	54 00	202 40	10,930	0.00	0	40 00	2,160
Railroad	TN	1	193 72	193 72	151 80	29,407	0 00	0	40 00	7,749
Concrete Pavement	CY	1	2,800 00	2,800 00	24 00	67,200	62 00	173,600	0 00	0
Septic Tank	CY	1	5 68	5 68	60 00	341	62 00	352	0 00	0
Sewer System	TN	1	8.15	8 15	202 40	1,650	0 00	0	40 00	326
Service Water Tank - Elevated (100,000 gl)	TN	1	135 09	135 09	202 40	27,342	0 00	0	40 00	5,404
Service Water Tank (100,000 gl)	TN	1	16 22	16 22	202 40	3,283	0 00	0	40 00	649
Elevator	TN	1	37 60	37 60	202 40	7,610	0 00	0	40 00	1,504
Total Account 311						312,334		1,083,685		114,086
FERC Account 315										
Startup Transformer	TN	1	9 00	9 00	326 60	2,939	0 00	0	40 00	360
Transformer Copper	TN	1	3 60	3 60	340 40	1,225	0 00	0	1,000 00	3,600
Storage Batteries & Equipment	TN	1	7 50	7 50	151 80	1,139	0 00	0	0 00	0
Total Account 315						5,303		0		3,960
TOTAL CAPE CANAVERAL COMMON						317,638		1,083,685		118,046
CAPE CANAVERAL UNIT 1										
FERC Account 311										
Improvements to Site										
Manholes and Catch Basins	CY	1	10 15	10 15	24 00	244	62 00	629	0 00	0
Subtotal						244		629		0
Circulating and Service Water System										
Piping	TN	1	476 70	476 70	202 40	96,484	0 00	0	40 00	19,068
Intake Cooling Water Pumps	TN	2	100 80	201 60	202.40	40,804	0 00	0	40 00	8,064
Intake Structure - Concrete	CY	1	1,046 00	1,046 00	60 00	62,760	62 00	64,852	0.00	0
Intake & Discharge Structure - Conduit	TN	1	854 00	854 00	202 40	172,850	0 00	0	40 00	34,160
Wingwalls and Skimmer Walls	CY	1	28 00	28 00	60 00	1,680	62 00	1,736	0 00	0
Superstructure	TN	1	37.00	37 00	151 80	5,617	0 00	0	40 00	1,480
Discharge Structure - Concrete	CY	1	320 00	320 00	60 00	19,200	62 00	19,840	0 00	0
Grills, Screens and Hoists	TN	2	14.10	28.20	202.40	5,708	0.00	0	40 00	1,128
Subtotal						405,102		86,428		63,900
Station Structures										
Concrete Pedestal Mat	CY	1	1,152 00	1,152 00	60 00	69,120	62 00	71,424	0 00	0
Structural Steel	TN	1	322 00	322 00	151 80	48,880	0 00	0	40 00	12,880

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 Steel	TN	1	147 80	147 80	202 40	29,915	0 00	0	40 00	5,912
Floors - Concrete	CY	1	1,408 00	1,408 00	60 00	84,480	62 00	87,296	0.00	0
Platforms and Stairs	TN	1	35 00	35 00	202 40	7,084	0.00	0	40 00	1,400
Concrete Roof Slabs	CY	1	133 00	133 00	60 00	7,980	62.00	8,246	0.00	0
Cranes and Hoists	TN	1	123.00	123 00	202 40	24,895	0.00	0	40 00	4,920
Concrete Footings, Piers and Grade Beams	CY	1	1,061 00	1,061 00	60 00	63,660	62.00	65,782	0 00	0
Subtotal						336,014		232,748		25,112
Fuel & Ash Structures										
Ash Water Pumps	TN	2	0 31	0 62	60 00	37	0 00	0	40.00	25
Ash Disposal Lines	CY	1	10.70	10 70	24 00	257	62 00	663	0 00	0
Concrete	CY	1	103 00	103.00	60 00	6,180	62 00	6,386	0 00	0
Fuel Oil Transfer Pumps	TN	2	1.23	2 46	202 40	498	0 00	0	40 00	98
Fuel Oil Storage Tank Heater	TN	3	10 35	31 05	202 40	6,285	0 00	0	40 00	1,242
Fuel Oil Piping	TN	1	394 54	394 54	202 40	79,855	0 00	0	40 00	15,782
Fuel Oil Piping Supports	CY	1	273 00	273 00	24 00	6,552	62 00	16,926	0 00	0
Subtotal						99,663		23,975		17,147
Total Account 311						841,022		343,781		106,159
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil Equipment										
Fuel Oil Metering Tank (12,000 bbl)	TN	1	50 60	50 60	n/a	14,281	0.00	0	40 00	2,024
Cleaning Fuel Oil Metering Tank					n/a	0	n/a	14,852	n/a	0
Fuel Oil Metering Tank Foundation					n/a	7,018	n/a	0	n/a	0
Fuel Oil Metering Tank - Soil Remediation					n/a	0	n/a	2,879	n/a	0
Burner Pumps	TN	7	1 50	10 50	202 40	2,125	0 00	0	40 00	420
Concrete Foundations and Firewalls	CY	1	929 00	929 00	60 00	55,740	62 00	57,598	0 00	0
Forced Draft Fans and Motors	TN	2	38.50	77 00	151 80	11,689	0 00	0	40 00	3,080
Forced Draft Fan Air Ducts	TN	1	82 00	82 00	202 40	16,597	0 00	0	40 00	3,280
Insulation for FD Fan Air Ducts	CY	1	450 00	450 00	46 00	20,700	7 00	3,150	0.00	0
Fuel Oil Pumps	TN	5	8 05	40 25	202 40	8,147	0 00	0	40 00	1,610
Fuel Oil Heaters	TN	30	13 20	396 00	202 40	80,150	0 00	0	40 00	15,840
Subtotal						216,447		78,479		26,254
Boiler Equipment										
Boiler Frame and Platforms	TN	1	1,465 00	1,465 00	151 80	222,387	0.00	0	40 00	58,600
Concrete	CY	1	19 00	19 00	60 00	1,140	62 00	1,178	0.00	0
Boiler - including	TN	1	3,554 00	3,554 00	151.80	539,497	0.00	0	40 00	142,160
Drum										
Waterwall, Downcomers & Tubes										
Piping, Valves & Silencers										
Radiant & Convection Superheaters										
Reheater										
Economizer										
Sootblowers										
Insulation	CY	1	1,760 00	1,760 00	46 00	80,960	7.00	12,320	0 00	0
Insulation - Asbestos	CY	0	0.00	0.00	1,380.10	0	0 00	0	0.00	0
Air Preheater	TN	2	270.00	540.00	151.80	81,972	0.00	0	40.00	21,600
Subtotal						925,956		13,498		222,360
Boiler Plant Auxiliaries										
L P Feedwater Heater #1	TN	1	21.10	21 10	202 40	4,271	0 00	0	40 00	844

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
L P Feedwater Heater #2	TN	1	15 30	15 30	202 40	3,097	0 00	0	40 00	612
L P Feedwater Heater #3	TN	1	11 85	11 85	202 40	2,398	0 00	0	40 00	474
L P Feedwater Heater #4	TN	1	15 10	15 10	202 40	3,056	0.00	0	40 00	604
L P Feedwater Heater #5	TN	1	17 85	17 85	202 40	3,613	0 00	0	40 00	714
H P Feedwater Heater #6	TN	1	50 95	50 95	151 80	7,734	0 00	0	40 00	2,038
H P Feedwater Heater #7	TN	1	67 45	67 45	151 80	10,239	0 00	0	40 00	2,698
Boiler Feed Pumps (including motors)	TN	2	27 00	54 00	202 40	10,930	0 00	0	40 00	2,160
Condensate Storage Tank (150,000 gl)	TN	1	41 25	41 25	202 40	8,349	0 00	0	40 00	1,650
Condensate Storage Tank Foundation	CY	1	105.00	105 00	60 00	6,300	62 00	6,510	0 00	0
Condensate Recovery Tank (2,900 gl)	TN	1	2 00	2 00	202 40	405	0 00	0	40.00	80
Condensate Recovery Flash Tank (515 gl)	TN	1	0 50	0 50	202 40	101	0 00	0	40 00	20
Condensate Recovery Pump	TN	1	0 09	0 09	202 40	18	0 00	0	40 00	4
Boiler Fill Pump	TN	1	0 18	0 18	202 40	36	0 00	0	40 00	7
Heater Drain Pump	TN	1	0 65	0 65	202 40	132	0 00	0	40 00	26
Blow Down Tank (1,700 gl)	TN	1	1 00	1 00	202 40	202	0 00	0	40 00	40
Subtotal						60,881		6,510		11,971
Boiler Plant Piping										
Main Steam Piping	TN	1	115 07	115 07	202 40	23,290	0 00	0	40 00	4,603
Hot Reheat Piping	TN	1	78 43	78 43	202 40	15,874	0 00	0	40 00	3,137
Cold Reheat Piping	TN	1	87 48	87 48	202 40	17,706	0 00	0	40 00	3,499
Extraction Steam Piping*	TN	1	36 83	36 83	202 40	7,454	0 00	0	40 00	1,473
Boiler Feed Piping	TN	1	118 56	118 56	202 40	23,997	0 00	0	40 00	4,742
Air Evacuation Piping	TN	1	21 86	21 86	202 40	4,424	0 00	0	40 00	874
Saturated Auxiliary Steam Piping	TN	1	131.21	131 21	202 40	26,557	0 00	0	40 00	5,248
Service & Cooling Water Piping	TN	1	69 12	69 12	202 40	13,990	0 00	0	40 00	2,765
Instrument, Sampling & Control Piping	TN	1	317 45	317 45	202 40	64,252	0 00	0	40 00	12,698
Condensate Piping	TN	1	186 79	186 79	202 40	37,806	0 00	0	40 00	7,472
Subtotal						235,351		0		46,512
Induced Draft Equipment										
Stack Breeching	TN	1	110 00	110.00	151 80	16,698	0 00	0	40 00	4,400
Stack	CY	1	1,625 00	1,625.00	60 00	97,500	62 00	100,750	0 00	0
Dust Collectors	TN	1	174 00	174 00	151 80	26,413	0 00	0	40 00	6,960
Concrete Stack Foundation	CY	1	802 00	802 00	60 00	48,120	62 00	49,724	0 00	0
Subtotal						188,731		150,474		11,360
Miscellaneous Steel & Equipment	TN	1	220 99	220 99	326 60	72,175	0 00	0	40 00	8,840
Total Account 312						1,699,541		248,961		327,296
FERC Account 314										
Turbo-Generator Units										
Pedestal Concrete	CY	1	1,529.00	1,529 00	60 00	91,740	62.00	94,798	0.00	0
Inserts & Anchor Bolts	TN	1	8 62	8.62	202 40	1,745	0 00	0	40 00	345
Turbo-Generator Unit	TN	1	648 00	648 00	87 50	56,700	0 00	0	40 00	25,920
Turbine Piping	TN	1	260 00	260 00	202 40	52,624	0 00	0	40 00	10,400
Turbine Insulation	CY	1	700 00	700 00	46 00	32,200	7.00	4,900	0 00	0
Turbine Generator Copper	TN	1	58 50	58 50	450.80	26,372	0 00	0	1,000 00	58,500
Reinforcing Steel	TN	1	135 50	135 50	202 40	27,425	0 00	0	40 00	5,420
Subtotal						288,806		99,698		100,585
Condensers and Auxiliaries										
Condenser Shell	TN	1	867 50	867 50	151 80	131,687	0 00	0	40 00	34,700

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
Condenser - Aluminum-Brass Tubes	TN	1	224 50	224 50	326 60	73,322	0 00	0	700 00	157,150
Circulating Water Pumps and Motors	TN	2	70 54	141 08	202 40	28,555	0 00	0	40 00	5,643
Condensate Pumps and Motors	TN	2	15 08	30 16	202 40	6,104	0 00	0	40 00	1,206
Lube Oil Tank (1,900 gl)	TN	1	23 50	23 50	202 40	4,756	0 00	0	40 00	940
Subtotal						244,424		0		199,640
Miscellaneous Steel & Equipment	TN	1	64 74	64 74	326 60	21,144	0 00	0	40 00	2,590
Total Account 314						554,373		99,698		302,814
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Equipment Foundations - Concrete	CY	1	148 50	148 50	60 00	8,910	62 00	9,207	0 00	0
Manholes and Handholes	CY	1	92 00	92 00	24 00	2,208	62 00	5,704	0 00	0
Subtotal						11,118		14 911		0
Power and Conversion Equipment										
Auxiliary Power Transformer	TN	1	59 40	59 40	326 60	19,400	0 00	0	40 00	2,376
Station Service Transformer	TN	4	4 00	16 00	326 60	5,226	0 00	0	40 00	640
Transformer Copper	TN	1	32 08	32 08	340 40	10,920	0 00	0	1,000 00	32,080
Instrument Transformers	TN	8	0 60	4 80	326 60	1,568	0 00	0	40 00	192
Subtotal						37,113		0		35,288
Conduit, Insulators and Conductors										
Cable Trays	TN	1	7 88	7 88	326 60	2,574	0 00	0	40 00	315
Conduit	TN	1	68 44	68 44	202 40	13,852	0 00	0	40 00	2,738
Concrete	CY	1	703 00	703 00	60 00	42,180	62 00	43,586	0 00	0
Power Wiring	TN	1	192 03	192 03	552 00	106,001	0 00	0	700 00	134,421
Subtotal						164,606		43,586		137,474
Switching, Control and Protection Equipment										
Switchgear - 4 160v Metalclad	TN	1	40 00	40 00	202 40	8,096	0 00	0	40 00	1,600
Switchgear - 480v Metalclad	TN	2	18 00	36 00	202 40	7,286	0 00	0	40 00	1,440
Subtotal						15,382		0		3,040
Account 315 Total						228,220		58,497		175,802
FERC Account 316										
Miscellaneous Power Plant Equipment										
Compressed Air System	TN	1	6 46	6 46	326 60	2,110	0 00	0	40 00	258
Service Air Piping	TN	1	174 40	174 40	202 40	35,299	0 00	0	40 00	6,976
Total Account 316						37,408		0		7,234
TOTAL CAPE CANAVERAL UNIT 1						3 360,565		750,937		919,305
CAPE CANAVERAL UNIT 2										
FERC Account 311										
Improvements to Site										
Manholes and Catch Basins	CY	1	15 39	15 39	24 00	369	62 00	954	0 00	0
Subtotal						369		954		0

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
Circulating and Service Water System										
Piping	TN	1	429 10	429 10	202 40	86,850	0.00	0	40 00	17,164
Intake Cooling Water Pumps	TN	2	2 00	4.00	202 40	810	0 00	0	40 00	160
Intake Structure - Concrete	CY	1	1,102 00	1,102 00	60.00	66,120	62 00	68,324	0 00	0
Intake & Discharge Structure - Conduit	TN	1	726 00	726 00	202 40	146,942	0.00	0	40 00	29,040
Superstructure	TN	1	35.16	35.16	151 80	5,337	0.00	0	40 00	1,406
Discharge Structure - Concrete	CY	1	327 00	327 00	60 00	19,620	62.00	20,274	0 00	0
Grills, Screens and Hoists	TN	2	14 68	29	202 40	5,942	0.00	0	40.00	1,174
Subtotal						331,622		88,598		48,945
Station Structures										
Concrete Pedestal Mat	CY	1	1,091 00	1,091 00	60 00	65,460	62 00	67,642	0 00	0
Structural Steel	TN	1	254 00	254 00	151 80	38,557	0 00	0	40 00	10,160
Miscellaneous Steel	TN	1	60 00	60 00	202 40	12,144	0 00	0	40 00	2,400
Floors - Concrete	CY	1	1,691.00	1,691 00	60 00	101,460	62.00	104,842	0 00	0
Platforms and Stairs	TN	1	35.00	35 00	202.40	7,084	0 00	0	40 00	1,400
Cranes and Hoists	TN	1	123 00	123 00	202 40	24,895	0 00	0	40 00	4,920
Concrete Footings, Piers and Grade Beams	CY	1	1,112 00	1,112 00	60 00	66,720	62 00	68,944	0 00	0
Subtotal						316,320		241,428		18,880
Fuel & Ash Structures										
Ash Water Pumps	TN	2	0 31	0 62	60 00	37	0 00	0	40 00	25
Ash Disposal Lines	CY	1	17 40	17 40	24 00	418	62 00	1,079	0 00	0
Concrete	CY	1	30 00	30 00	60 00	1,800	62.00	1,860	0 00	0
Fuel Oil Transfer Pumps	TN	1	1 23	1 23	202 40	249	0 00	0	40 00	49
Fuel Oil Storage Tank Heater	TN	2	10 35	20 70	202 40	4,190	0 00	0	40 00	828
Fuel Oil Piping	TN	1	90 25	90 25	202 40	18,267	0 00	0	40 00	3,610
Fuel Oil Piping Supports	CY	1	50 00	50 00	24.00	1,200	62 00	3,100	0 00	0
Subtotal						26,160		6,039		4,512
Total Account 311						674,471		337,019		72,337
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil Equipment										
Light Oil Tank (600 bbl)	TN	0	12 28	0 00	n/a	5,712	n/a	18,578	40 00	0
Fuel Oil Metering Tank (12,000 bbl)	TN	1	50 60	50 60	n/a	14,281	n/a	0	40 00	2,024
Cleaning Fuel Oil Metering Tank					n/a	0	n/a	14,852	0 00	0
Fuel Oil Metering Tank Foundation					n/a	7,018	n/a	0	0 00	0
Fuel Oil Metering Tank - Soil Remediation					n/a	0	n/a	2,879	0 00	0
Burner Pumps	TN	6	1 50	9 00	202 40	1,822	0 00	0	40 00	360
Concrete Foundations and Firewalls	CY	1	555.00	555.00	60.00	33,300	62.00	34,410	0.00	0
Forced Draft Fans and Motors	TN	2	38.50	77.00	151.80	11,689	0 00	0	40.00	3,080
Forced Draft Fan Air Ducts	TN	1	101 00	101 00	202.40	20,442	0 00	0	40.00	4,040
Insulation for FD Fan Air Ducts	CY	1	450 00	450 00	46.00	20,700	7 00	3,150	0 00	0
Fuel Oil Pumps	TN	5	8 05	40 25	202 40	8,147	0.00	0	40.00	1,610
Fuel Oil Heaters	TN	25	11 00	275 00	202.40	55,660	0 00	0	40.00	11,000
Subtotal						178,770		73,869		22,114
Boiler Equipment										
Boiler Frame and Platforms	TN	1	1,471 00	1,471 00	151.80	223,298	0 00	0	40 00	58,840
Boiler - including Drum	TN	1	3,148 00	3,148 00	151 80	477,866	0 00	0	40 00	125,920

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
Waterwall, Downcomers & Tubes										
Piping, Valves & Silencers										
Radiant & Convection Superheaters										
Reheater										
Economizer										
Sootblowers										
Insulation	CY	1	1,760 00	1,760 00	46 00	80,960	7 00	12,320	0 00	0
Insulation - Asbestos	CY	0	0 00	0 00	1,380 10	0	0 00	0	0 00	0
Air Preheater	TN	2	270 00	540 00	151 80	81,972	0 00	0	40 00	21,600
Subtotal						864,096		12,320		206,360
Boiler Plant Auxiliaries										
L P Feedwater Heater #1	TN	1	21 10	21 10	202 40	4,271	0 00	0	40 00	844
L P Feedwater Heater #2	TN	1	15 30	15 30	202 40	3,097	0 00	0	40 00	612
L P Feedwater Heater #3	TN	1	11 85	11 85	202 40	2,398	0 00	0	40 00	474
L P Feedwater Heater #4	TN	1	15 10	15 10	202 40	3,056	0 00	0	40 00	604
L P Feedwater Heater #5	TN	1	17 85	17 85	202 40	3,613	0 00	0	40 00	714
H P Feedwater Heater #6	TN	1	50 95	50 95	151 80	7,734	0 00	0	40 00	2,038
H P Feedwater Heater #7	TN	1	67 45	67 45	151 80	10,239	0 00	0	40 00	2,698
Boiler Feed Pumps (including motors)	TN	2	27 00	54 00	202 40	10,930	0 00	0	40 00	2,160
Condensate Storage Tank (150,000 gl)	TN	1	41 25	41 25	202 40	8,349	0 00	0	40 00	1,650
Condensate Storage Tank Foundation	CY	1	105 00	105 00	60 00	6,300	62 00	6,510	0 00	0
Condensate Recovery Tank (3,900 gl)	TN	1	3 00	3 00	202 40	607	0 00	0	40 00	120
Condensate Recovery Flash Tank	TN	1	0 50	0 50	202 40	101	0 00	0	40 00	20
Condensate Recovery Pump	TN	1	0 09	0 09	202 40	18	0 00	0	40 00	4
Boiler Fill Pump	TN	1	0 18	0 18	202 40	36	0 00	0	40 00	7
Heater Drain Pump	TN	1	0 65	0 65	202 40	132	0 00	0	40 00	26
Blow Down Tank (550 gl)	TN	1	0 50	0 50	202 40	101	0 00	0	40 00	20
Subtotal						60,982		6 510		11,991
Boiler Plant Piping										
Main Steam Piping	TN	1	58 55	58 55	202 40	11,851	0 00	0	40 00	2,342
Hot Reheat Piping	TN	1	75 67	75 67	202 40	15,316	0 00	0	40 00	3,027
Cold Reheat Piping	TN	1	95 69	95 69	202 40	19,368	0 00	0	40 00	3,828
Extraction Steam Piping	TN	1	39 27	39 27	202 40	7,948	0 00	0	40 00	1,571
Boiler Feed Piping	TN	1	20 52	20 52	202 40	4,153	0 00	0	40 00	821
Air Evacuation Piping	TN	1	47 88	47 88	202 40	9,691	0 00	0	40 00	1,915
Saturated Auxiliary Steam Piping	TN	1	123 53	123 53	202 40	25,002	0 00	0	40 00	4,941
Service & Cooling Water Piping	TN	1	65 18	65 18	202 40	13,192	0 00	0	40 00	2,607
Instrument, Sampling & Control Piping	TN	1	136 08	136 08	202 40	27,543	0 00	0	40 00	5,443
Condensate Piping	TN	1	73 45	73 45	202 40	14,866	0 00	0	40 00	2,938
Subtotal						148,930		0		29,433
Induced Draft Equipment										
Stack Breeching	TN	1	160 00	160 00	151 80	24,288	0 00	0	40 00	6,400
Stack	CY	1	1,625 00	1,625 00	60 00	97,500	62 00	100,750	0 00	0
Dust Collectors	TN	2	87 00	174 00	151 80	26,413	0 00	0	40 00	6,960
Concrete Stack Foundation	CY	1	760 00	760 00	60 00	45,600	62 00	47,120	0 00	0
Subtotal						193,801		147,870		13,360
Miscellaneous Steel & Equipment	TN	1	260 25	260 25	326 60	84,998	0 00	0	40 00	10,410
Total Account 312						1,531,578		240,569		293,668

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
FERC Account 314										
Turbo-Generator Units										
Pedestal Concrete	CY	1	1,582 00	1,582 00	60 00	94,920	62 00	98,084	0 00	0
Inserts & Anchor Bolts	TN	1	10 58	10 58	202 40	2,141	0 00	0	40 00	423
Turbo-Generator Unit	TN	1	648 00	648 00	115 00	74,520	0 00	0	40 00	25,920
Turbine Piping	TN	1	260 00	260 00	202 40	52,624	0 00	0	40 00	10,400
Turbine Insulation	CY	1	700.00	700 00	46.00	32,200	7 00	4,900	0.00	0
Turbine Generator Copper	TN	1	58 50	58 50	450 80	26,372	0 00	0	1,000 00	58,500
Reinforcing Steel	TN	1	142 00	142 00	326.60	46,377	0 00	0	40 00	5,680
Subtotal						329,154		102,984		100,923
Condensers and Auxiliaries										
Condenser Shell	TN	1	867 50	867 50	151 80	131,687	0 00	0	40 00	34,700
Condenser - Aluminum-Brass Tubes	TN	1	214 50	214 50	326 60	70,056	0 00	0	700 00	150,150
Circulating Water Pumps and Motors	TN	2	70 54	141 08	202 40	28,555	0.00	0	40 00	5,643
Condensate Pumps and Motors	TN	2	15 08	30 16	202 40	6,104	0.00	0	40 00	1,206
Lube Oil Tank (1,900 gl)	TN	1	23 50	23 50	202 40	4,756	0 00	0	40 00	940
Subtotal						241,158		0		192,640
Miscellaneous Steel & Equipment	TN	1	64 97	64 97	326 60	21,219	0 00	0	40 00	2,599
Total Account 314						591,531		102,984		296,162
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Equipment Foundations - Concrete	CY	1	62 00	62 00	60 00	3,720	62 00	3,844	0 00	0
Manholes and Handholes	CY	1	101 00	101 00	24 00	2,424	62 00	6,262	0 00	0
Subtotal						6,144		10,106		0
Power and Conversion Equipment										
Auxiliary Power Transformer	TN	1	59 40	59 40	326 60	19,400	0 00	0	40 00	2,376
Station Service Transformer	TN	4	4 00	16 00	326 60	5,226	0 00	0	40 00	640
Transformer Copper	TN	1	32 08	32 08	340 40	10,920	0 00	0	1,000 00	32,080
Lighting Transformers	TN	8	0 60	4 80	326 60	1,568	0 00	0	40 00	192
Subtotal						37,113		0		35,288
Conduit, Insulators and Conductors										
Cable Trays	TN	1	5 42	5 42	326 60	1,770	0 00	0	40 00	217
Conduit	TN	1	63 56	63 56	202 40	12,865	0 00	0	40 00	2,542
Concrete	CY	1	710 00	710 00	60 00	42,600	62 00	44,020	0 00	0
Power Wiring	TN	1	199 82	199.82	552 00	110,301	0 00	0	700 00	139,874
Subtotal						167,535		44,020		142,633
Switching, Control and Protection Equipment										
Switchgear - 4,160v Metalclad	TN	1	40 00	40 00	202 40	8,096	0 00	0	40 00	1,600
Switchgear - 480v Metalclad	TN	2	18 00	36 00	202 40	7,286	0 00	0	40 00	1,440
Subtotal						15,382		0		3,040
Account 315 Total						226,175		54,126		180,961
FERC Account 316										
Miscellaneous Power Plant Equipment										
Compressed Air System	TN	1	6 46	6 46	326 60	2,110	0 00	0	40 00	258

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
Total Account 316						2,110		0		258
TOTAL CAPE CANAVERAL UNIT 2						3,025,865		734,698		843,386
TOTAL CAPE CANAVERAL COMMON, UNITS 1 & 2						6,704,068		2,569,320		1,880,737

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 estimated retirement dates for the Cutler units are as follows:

Unit	Year
Unit 5:	2007
Unit 6:	2007
Common:	2007

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. 981166-EI, Order No. PSC-00-0293-PAA-EI, issued on February 14, 2000. The current accruals became effective as of January 1, 1999.

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	271,332	641,774	28,268	884,839
312	Boiler Plant Equipment	4,802	0	1,080	3,722
314	Turbogenerator Units	110,168	107,100	7,040	210,228
315	Accessory Electrical Equipment	58,690	0	10,780	47,910
316	Miscellaneous Equipment	2,025	0	360	1,665
	Subtotal	447,016	748,874	47,528	1,148,363
	Other Site Costs				
	Site Mangement Expenses	434,035			434,035
	Intake & Discharge Backfill	90,043			90,043
	Grading & Seeding	807,064			807,064
	Subtotal	1,331,142	0	0	1,331,142
	Total Cutler Common	1,778,158	748,874	47,528	2,479,504
	Contingency - 16%	284,505	119,820		404,325
	Total Cutler Common	2,062,663	868,694	47,528	2,883,829
	Unusable M&S Inventory	460,852		46,085	414,767
		2,523,515	868,694	93,613	3,298,596
	Cutler Unit 5				
311	Structures and Improvements	167,992	261,370	11,558	417,803
312	Boiler Plant Equipment	814,847	184,090	122,661	876,276
314	Turbogenerator Units	183,414	78,622	97,793	164,243
315	Accessory Electrical Equipment	81,128	14,229	38,829	56,528
316	Miscellaneous Equipment	832	0	168	664
	Subtotal	1,248,212	538,311	271,009	1,515,514
	Contingency - 16%	199,714	86,130		285,844
	Total Cutler Unit 5	1,447,926	624,441	271,009	1,801,358
	Cutler Unit 6				
311	Structures and Improvements	285,187	388,320	26,018	647,488
312	Boiler Plant Equipment	1,131,770	224,361	180,972	1,175,160
314	Turbogenerator Units	378,886	96,631	98,377	377,140
315	Accessory Electrical Equipment	119,324	101,225	66,269	154,280
316	Miscellaneous Equipment	851	0	172	679
	Subtotal	1,916,017	810,537	371,808	2,354,747
	Contingency - 16%	306,563	129,686		436,249
	Total Cutler Unit 6	2,222,580	940,223	371,808	2,790,995
	Total Dismantlement Costs	6,194,022	2,433,357	736,430	7,890,950

CUTLER
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Cutler Common	1,237,598	1,285,917	868,694	93,613	3,298,596
Cutler Unit 5	868,756	579,171	624,441	271,009	1,801,358
Cutler Unit 6	1,333,548	889,032	940,223	371,808	2,790,995
Total	3,439,902	2,754,120	2,433,357	736,430	7,890,950

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

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 PGD. 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.

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 end of service dates used for this assumption conform to the economic recovery period ending dates used in the Cutler depreciation study submitted in 2002 (on an information only basis) using plant and reserve data as of December 31, 2001.

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 PGD has estimated the cost of asbestos removal at $1,353 per cubic yard. This estimate is based on FPL's experience with asbestos abatement at the Cape Canaveral and Palatka sites. The disposal cost per cubic yard of asbestos varies from site to site depending on the landfill used.

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 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 were developed by FPL's Power Generation Division (PGD). The crew rate per man-hour is for a crew consisting of six journeymen laborers, one laborer foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man hour of a Trojan 3500 front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. 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 for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$27.50	X	6	=	$164.99
Foreman	$35.33	X	1	=	$35.33
Heavy Equipment Operator	$32.93	X	1	=	$32.93
Total Cost per hour of 8 man crew					$233.25
Cost per man hour		$233.25	/ 8	=	$29.16

Equipment Rate

The equipment rate is based on the following equipment:

Excavator					15,961.61
Front End Loader					5,471.12
Cutting Equipment					208.12
Total per month					$21,640.85
21,640.85	/ 176	hours per month =			122.96
Cost per man hour		$122.96	/ 8	=	$15.37
Plus: amount for small tools					0.80
Total Cost per man hour					$16.17

Equipment & Labor Summary

Labor	$29.16
Equipment	16.17

Total	$45.33
Rounded	$45.00
For Concrete demolition add $4.00 per hour additional equipment charge.	$49.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$45.00	2.50 MH / Ton	$112.50 / Ton
Heavy Steel (2)	$45.00	3.30 MH / Ton	$148.50 / Ton
General Steel	$45.00	4.40 MH / Ton	$198.00 / Ton
Light Steel	$45.00	7.10 MH / Ton	$319.50 / Ton
Concrete	$49.00	0.48 MH / CY	$23.52 / CY
Reinforced Concrete	$49 00	1.20 MH / CY	$58.80 / CY
Copper-Elect. Cable & Generator Leads &	$45.00	12 00 MH / Ton	$540.00 / Ton
Copper - Generator	$45.00	9.80 MH / Ton	$441.00 / Ton
Copper - Transformer	$45.00	7.40 MH / Ton	$333.00 / Ton
General Insulation	$45 00	1.00 MH / CY	$45.00 / CY
Inground Pipe-Metal(3)	$45.00	6.00 MH / Ton	$270.00 / Ton
Concrete Pipe	$49.00	4.60 MH / Ton	$225.40 / Ton
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 South Dade Disposal Facility, using dumpsters provided by BFI - Miami. Concrete and non-asbestos insulation are non-hazardous wastes. The tipping fee is $65 per ton. The tipping fee for asbestos insulation is $100 per ton.The per-haul dumpster charges are $150 per haul for a 20 CY cumpster and $175 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.

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)	$150.00	/ pull	X	1 pull		$150.00
Tipping Fees	$65.00	/ ton	X	30.5 tons	=	1,982.50
Total Cost per round Trip						$2,132.50
Cost per Cubic Yard	$2,132.50	/ 15.38 cubic yards =				$138.65
Plus 10% contractor profit						13.87
Total Cost per Cubic Yard						$152.52
Rounded Cost per Cubic Yard						$153.00

Insulation

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

Insulation - Calcium Silicate

Truck Cost (incl. driver)	$175.00	/ pull	X	1 pull	=	$175.00
Tipping Fees	$65.00	/ ton	X	1.82 tons	=	118.30
Total Cost per round Trip						293.30
Cost per Cubic Yard	$293.30	/ 27 cubic yards =				$10.86
Plus 10% contractor profit						1.09
Total Cost per Cubic Yard						$11.95
Rounded Cost per Cubic Yard						$12.00

Insulation - Asbestos

Truck Cost (incl. driver)	$175.00	/ pull	X	1 pull	=	$175.00
Tipping Fees	$100.00	/ ton	X	1.82 tons	=	182.00
Total Cost per round Trip						$357.00
Cost per Cubic Yard	$357.00	/ 27 cubic yards =				$13.22
Plus 10% contractor profit						1.32
						14.54
Total Cost per Cubic Yard						$15.00

SALVAGE VALUE FACTORS

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

Iron & Steel	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable:	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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 $15,996.54 per month, both office and site, and contractor's expenses $20,173.03 per month. These expenses are assumed to be incurred over the 12 month dismantlement period used for the Cutler 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	$36,170
Number of months	12.00
Total Site Mangement Expenses	$434,035

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 for the intake is $32,242. The cost for the discharge is $25,559. Cutler has one of each. The total back-fill cost is computed as follows:

	Cost/Structure	Quantity	Totals	
Intake	$32,242	2	$64,484	*
Discharge	$25,559	1	$25,559	
			$90,043	

* Cutler has a larger than average Intake. Thus for costing purposes, it is treated as having 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 is $46,118 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.

Cutler Acreage to be graded and seeded	17.50
Cost Factor	$46,118
Total Grading and Seeding Expense	$807,064

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
Cutler Common Plant										
FERC Account 311										
Improvements to Site										
Shelter	CY	1	17.00	17 00	23.52	400	153 00	2,601	0 00	0
Roads & Walkways	CY	1	1,585 00	1,585 00	23 52	37,279	153 00	242,505	0 00	0
Yard Lighting	TN	1	3 00	3 00	319 50	959	0 00	0	40 00	120
Dock	CY	1	85 00	85 00	23 52	1,999	153 00	13,005	0 00	0
						40,637		258,111		120
Service Water Supply System										
Concrete	CY	1	50 00	50 00	58 80	2,940	153 00	7,650	0 00	0
Raw Water Tank	TN	1	17 00	17 00	198 00	3,366	0 00	0	40 00	680
Piping	TN	1	15 00	15 00	148 50	2,228	0 00	0	40 00	600
Reinforced Concrete	CY	1	105 00	105 00	58 80	6,174	153.00	16,065	0 00	0
Raw Water Pumps	TN	1	5.00	5 00	154 00	770	0 00	0	40.00	200
Salt Water Pumps	TN	1	6 00	6 00	154 00	924	0 00	0	40 00	240
						16,402		23,715		1,720
Intake Structure										
Concrete	CY	1	395 00	395 00	58 80	23,226	153 00	60,435	0.00	0
Grills, Screens, Hoists	TN	1	14 00	14 00	198 00	2,772	0 00	0	40.00	560
						25,998		60,435		560
Conduits - Intake & Discharge										
Concrete Discharge Tunnel	CY	1	299 00	299 00	58 80	17,581	153 00	45,747	0 00	0
Reinforced - Concrete Discharge Tunnel	CY	1	1,420 00	1,420 00	58 80	83,496	153 00	217,260	0 00	0
						101,077		263,007		0
Station Structures										
Structural Steel	TN	1	208 00	208 00	148 50	30,888	0 00	0	40 00	8,320
Turbine Enclosure	TN	1	15 00	15 00	198 00	2,970	0 00	0	40.00	600
Cable Vault Trays	TN	1	7 00	7 00	198 00	1,386	0 00	0	40 00	280
Laboratory Walls	CY	1	27 00	27 00	23 52	635	153 00	4,131	0 00	0
Concrete	CY	1	82 00	82 00	23.52	1,929	153 00	12,546	0 00	0
Grating & Steel Plate Floor	TN	1	11 00	11 00	198 00	2,178	0 00	0	40 00	440
Station Cranes & Hoists	TN	1	74 00	74 00	148 50	10,989	0 00	0	40 00	2,960
						50,975		16,677		12,600
Building Equipment										
Building Elevator	TN	1	9 00	9 00	198 00	1,782	0 00	0	40 00	360
Structural Steel - Elevator	TN	1	27 10	27 10	148 50	4,024	0 00	0	340 00	9,214
Reinforced Concrete - Elevator	CY	1	4 60	4 60	58 80	270	153 00	704	0 00	0
HVAC	TN	1	6 00	6 00	198 00	1,188	0 00	0	40 00	240
Plumbing	TN	1	7 00	7 00	198 00	1,386	0 00	0	40.00	280
Lighting & Building Wiring	TN	1	19 00	19 00	420 00	7,980	0 00	0	40.00	760
Fire Protection Equipment	TN	1	4 00	4 00	198 00	792	0 00	0	40 00	160
Other Cranes & Hoists	TN	1	1 34	1 34	148 50	199	0 00	0	40 00	54
						17,622		704		11,068
Service Building										
Concrete	CY	1	125.00	125 00	58 80	7,350	153.00	19,125	0 00	0
Structural Steel	TN	1	37 00	37 00	148 50	5,495	0 00	0	40.00	1,480
HVAC	TN	1	9 00	9 00	319 50	2,876	0 00	0	40.00	360
Plumbing	TN	1	5 00	5 00	148 50	743	0 00	0	40 00	200
Lighting & Building Wiring	TN	1	4 00	4 00	540 00	2,160	0 00	0	40 00	160
						18,623		19,125		2,200

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
Total Account 311						271,332		641,774		28,268
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Strainers, Heaters & Accessories	TN	1	16 00	16 00	198 00	3,168	0 00	0	40 00	640
Boiler Plant Auxiliaries										
Boiler Piping	TN	1	11 00	11 00	148 50	1,634	0 00	0	40.00	440
Total Account 312						4,802		0		1,080
FERC Account 314										
Turbogenerator Equipment										
Condensers & Auxiliaries										
Circulating Water Pumps & Valves	TN	4	39 00	156 00	198 00	30,888	0 00	0	40 00	6,240
Miscellaneous Turbine Equipment	TN	1	11 00	11 00	198.00	2,178	0 00	0	40.00	440
Circulating Water Pipe	CY	1	105 00	105 00	225 40	33,066	0 00	0	0 00	0
						66,132		0		6,680
Reinforced Concrete - Units 3 & 4 Turbine Pedestals	CY	1	700 00	700 00	58 80	41,160	153 00	107,100	0 00	0
Turbine Room Instruments	TN	1	9 00	9 00	319 50	2,876	0 00	0	40 00	360
						44,036		107,100		360
Total Account 314						110,168		107,100		7,040
FERC Account 315										
Accessory Electrical Equipment										
Aux Power Transformer	TN	1	12 00	12 00	198 00	2,376	0 00	0	40 00	480
Station Service Transformer	TN	1	2 50	2 50	198 00	495	0 00	0	40 00	100
Transformer Copper	TN	1	5 80	5 80	333 00	1,931	0 00	0	1000 00	5,800
Power Wiring	TN	1	50 00	50 00	540 00	27,000	0 00	0	40 00	2,000
Control Cable & Supporting Cable Trays	TN	1	35 00	35 00	540 00	18,900	0 00	0	40 00	1,400
Control Boards, Switchgear & Load Centers	TN	1	25 00	25 00	319 50	7,988	0 00	0	40 00	1,000
Total Account 315						58,690		0		10,780
FERC Account 316										
Miscellaneous Power Plant Equipment										
Air Compressor System	TN	1	7 00	7 00	198 00	1,386	0.00	0	40.00	280
Communications Equipment	TN	1	1 00	1 00	319 50	320	0 00	0	40 00	40
General Plant Equipment	TN	1	1 00	1 00	319 50	320	0 00	0	40 00	40
Total Account 316						2,025		0		360
Total Cutler Common						447,016		748,874		47,528
CUTLER UNIT 5										
FERC Account 311										
Improvements to Site										
Reinforced Concrete	CY	1	69 60	69 60	58 80	4,092	153 00	10,649	0 00	0

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
Subtotal						4,092		10,649		0
Condensing and Service Water System										
Water Treatment Equipment	TN	1	22 00	22 00	198 00	4,356	0 00	0	40 00	880
Reinforced Concrete - Piping	CY	1	4 00	4 00	58 80	235	153 00	612	0 00	0
Reinf Concr - Fresh Water Well System	CY	1	1 30	1 30	58 80	76	153 00	199	0 00	0
Salt Water Well Pump System	TN	2	1 28	2 56	198 00	507	0 00	0	40 00	102
Reinf Concr - Salt Water Well Pump System	CY	1	6 30	6 30	58 80	370	153 00	964	0 00	0
Reinforced Concrete - Intake Structure	CY	1	354 30	354 30	58 80	20,833	153 00	54,208	0 00	0
Structural Steel	TN	1	11 81	11 81	148 50	1,754	0 00	0	40 00	472
Traveling, Fine and Coarse Screens	TN	1	30 02	30 02	198 00	5,944	0 00	0	40 00	1,201
Screen Wash Pump	TN	1	1.04	1 04	319 50	332	0 00	0	40 00	42
Piping (Cast Iron - 42")	TN	1	100 60	100 60	270 00	27,162	0 00	0	0 00	0
Piping (Transite - 6")	TN	1	22.75	22 75	270 00	6,143	0 00	0	0 00	0
Concrete	CY	1	12 00	12 00	23 52	282	153 00	1,836	0 00	0
Reinforced Concrete	CY	1	162 00	162 00	58 80	9,526	153 00	24,786	0 00	0
Subtotal						77,520		82,605		2,697
Station Structures										
Concrete	CY	1	366 00	366 00	23 52	8,608	153 00	55,998	0 00	0
Reinforced Concrete - Walls & Floors	CY	1	545 10	545 10	58 80	32,052	153 00	83,400	0.00	0
Structural Steel	TN	1	143 50	143 50	148 50	21,310	0 00	0	40 00	5,740
Grating, Steel Plate & Doors	TN	1	10 30	10 30	319 50	3,291	0 00	0	40 00	412
Steel Platforms, Stairs, Ladders, Handrailing	TN	1	21 10	21 10	319 50	6,741	0 00	0	40 00	844
Concrete - Floors & Roofs	CY	1	101 60	101 60	23 52	2,390	153 00	15,545	0 00	0
Reinforced Concrete - Floors, Drains & Sumps	CY	1	23 50	23 50	58 80	1,382	153 00	3,596	0 00	0
Other Cranes & Hoists	TN	1	1 13	1 13	148 50	168	0 00	0	40 00	45
Elevator	TN	1	9 00	9 00	148 50	1,337	0 00	0	40 00	360
Structural Steel - Elevator	TN	1	36 50	36 50	148 50	5,420	0 00	0	40 00	1,460
Reinforced Concrete - Elevator	CY	1	3 60	3 60	58 80	212	153 00	551	0.00	0
Subtotal						82,910		159,089		8,861
Fuel and Ash Structure										
Reinf Concr Supports for Existing Pipe Lines	CY	1	59 00	59 00	58 80	3,469	153 00	9,027	0 00	0
Subtotal						3,469		9,027		0
Total Account 311						167,992		261,370		11,558
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil Burner Pumps	TN	2	0 80	1 60	198 00	317	0 00	0	40 00	64
Fuel Oil Booster Pump (w/motor)	TN	1	2 20	2 20	198 00	436	0 00	0	40 00	88
Reinforced Concrete for Fuel Burner Pumps	CY	1	6 00	6 00	58 80	353	153 00	918	0 00	0
Forced Draft Fans	TN	2	5 25	10 50	148 50	1,559	0 00	0	40 00	420
Motors for Forced Draft Fans	TN	2	1 75	3 50	198 00	693	0 00	0	40.00	140
Forced Draft Foundation - Reinforced Concrete	CY	1	40 00	40 00	58 80	2,352	153 00	6,120	0 00	0
Ducts	TN	1	120.00	120 00	198 00	23,760	0 00	0	40 00	4,800
Duct Insulation	CY	1	180 00	180.00	45 00	8,100	12.00	2,160	0.00	0
Reinf Concrete for F O , Stm, Cond Piping	CY	1	21 70	21 70	58 80	1,276	153 00	3,320	0.00	0
Subtotal						38,845		12,518		5,512
Boiler Equipment										
Reinforced Concrete - Boiler Foundation Piers	CY	1	16 00	16 00	58 80	941	153 00	2,448	0 00	0

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
Concrete Deck Slabs	CY	1	28 00	28 00	58 80	1,646	153.00	4,284	0 00	0
Structural Steel	TN	1	479 80	479 80	148 50	71,250	0 00	0	40 00	19,192
Platform Grating and Handrail	TN	1	68 50	68 50	319 50	21,886	0 00	0	40 00	2,740
Gas Piping	TN	1	37 00	37 00	198 00	7,326	0 00	0	40 00	1,480
Steam Generation Unit - including										
Drum	TN	1	69 75	69 75	148 50	10,358	0 00	0	40 00	2,790
Water walls	TN	1	190 34	190 34	148 50	28,265	0 00	0	40 00	7,614
Downcomers	TN	1	38 50	38 50	148 50	5,717	0 00	0	40 00	1,540
Airheater	TN	1	134 70	134 70	148 50	20,003	0 00	0	40 00	5,388
Superheater	TN	1	135 38	135 38	148 50	20,104	0 00	0	40 00	5,415
Economizer	TN	1	111 38	111 38	148 50	16,540	0 00	0	40 00	4,455
Boiler setting - Insulation	CY	1	60 37	60 37	1,353 00	81,681	15.00	906	0 00	0
Boiler setting - brick	CY	1	148 13	148 13	1,353 00	200,420	15 00	2,222	0.00	0
Copper pipe and tubing	TN	1	52 00	52 00	319 50	16,614	0 00	0	1000 00	52,000
Combustion and Feedwater Control Equipment	TN	1	5 75	5 75	319 50	1,837	0 00	0	40 00	230
Subtotal						504,588		9,860		102,844
Boiler Plant Auxiliaries										
Feed Water Heaters										
11th Stage High Pressure Heater #2	TN	1	5 40	5 40	148 50	802	0 00	0	40 00	216
17th Stage High Pressure Heater #1	TN	1	4 83	4 83	148 50	717	0 00	0	40 00	193
22nd Stage Intermediate Pressure Heater	TN	1	4 07	4 07	148 50	604	0 00	0	40 00	163
25th Stage Low Pressure Heater #2	TN	1	4.98	4 98	198 00	986	0.00	0	40 00	199
28th Stage Low Pressure Heater #1	TN	1	7 42	7 42	198 00	1,469	0 00	0	40 00	297
Condensate Make-Up Heater	TN	1	1.02	1 02	198 00	202	0 00	0	40 00	41
Boiler Feed Pumps (including motors)	TN	3	7 65	22 95	148 50	3,408	0 00	0	40 00	918
Reinforced Concrete for Pumps	CY	1	38 50	38 50	58 80	2,264	153.00	5,891	0 00	0
Intermediate Pressure Heater Drain Pumps	TN	2	1 27	2 54	198 00	503	0 00	0	40 00	102
I P Heater Drain Pumps - Reinforced Concrete	CY	1	4 70	4 70	58 80	276	153 00	719	0 00	0
Feedwater Regulator Valves	TN	1	4 10	4 10	148 50	609	0 00	0	40 00	164
Reverse Current Valves	TN	1	1 29	1 29	148 50	192	0 00	0	40 00	52
Subtotal						12,032		6,610		2,344
Boiler Plant Piping										
General Piping (includes system valves)										
2 5" & Under - Pipe, Valves & Fittings	TN	1	1 34	1 34	319 50	428	0 00	0	40 00	54
2 5" & Under - Insulation	CY	1	10 70	10 70	1,353 00	14,477	15 00	161	0 00	0
2 51" - 8" - Pipe, Valves & Fittings	TN	1	63 86	63 86	198.00	12,644	0 00	0	40.00	2,554
2 51" - 8" - Insulation	CY	1	93 26	93 26	1,353 00	126,181	15 00	1,399	0 00	0
Over 8 " - Pipe, Valves & Fittings	TN	1	82 04	82 04	148 50	12,183	0 00	0	40 00	3,282
Over 8 " - Insulation	CY	1	66 99	66 99	45 00	3,015	12 00	804	0 00	0
Extraction Steam Valves	TN	1	1 00	1 00	148 50	149	0 00	0	40 00	40
Main Steam Stop Valves	TN	2	5 00	10 00	148 50	1,485	0 00	0	40 00	400
Check Valves - 6"	TN	3	0 43	1 29	198 00	255	0 00	0	40 00	52
Steel Valves - 2" & smaller	TN	1	2 50	2 50	319 50	799	0 00	0	40 00	100
Reverse Current Valves 6", 8", 12"	TN	1	1.29	1 29	198 00	255	0.00	0	40.00	52
Subtotal						171,871		2,363		6,533
Induced Draft Equipment										
Stack Breeching	CY	1	200 30	200 30	58.80	11,778	153 00	30,646	0 00	0
Foundation - Reinforced Concrete I D Fans	CY	1	50 00	50 00	58 80	2,940	153 00	7,650	0 00	0
Induced Draft Fans	TN	2	8 75	17 50	148 50	2,599	0 00	0	40 00	700

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
Motors for Induced Draft Fans	TN	2	3 94	7 88	198 00	1,559	0 00	0	40 00	315
Dust Separators	TN	2	31 00	62 00	148 50	9,207	0 00	0	40 00	2,480
Dust Separators - Reinforced Concrete	CY	1	5 30	5 30	58 80	312	153 00	811	0 00	0
Soot Disposal Discharge Reinforced Concrete	CY	1	5 70	5.70	58.80	335	153 00	872	0 00	0
150' Stack With Tile Lining	CY	1	187 50	187 50	58 80	11,025	153 00	28,688	0 00	0
Reinforced Concrete for Stack	CY	1	199 50	199 50	58 80	11,731	153 00	30,524	0 00	0
Concrete Stack Foundation - Concrete	CY	1	350 00	350 00	58 80	20,580	153 00	53,550	0 00	0
Subtotal						72,065		152,740		3,495
Miscellaneous Equipment & Steel	TN	1	48 34	48 34	319 50	15,445	0 00	0	40 00	1,934
Total Account 312						814,847		184,090		122,661
FERC Account 314										
Turbogenerator Unit										
Concrete Pedestal										
Reinforced Concrete	CY	1	388 80	388 80	58 80	22,861	153 00	59,486	0 00	0
Subtotal						22,861		59,486		0
Turbogenerator Equipment										
Turbine Generator	TN	1	362 50	362 50	112 50	40,781	0 00	0	40 00	14,500
Turbine Generator Copper	TN	1	22 48	22 48	441 00	9,911	0 00	0	1000 00	22,475
Turbine Generator Access Foundations	CY	1	29 00	29 00	58 80	1,705	153 00	4,437	0 00	0
Turbine Plant Piping	TN	1	158 10	158 10	198 00	31,304	0 00	0	40 00	6,324
Turbine Insulation	CY	1	275 00	275 00	45 00	12,375	12 00	3,300	0 00	0
Turbine Insulation - Asbestos	CY	1	103 00	103 00	1,353 00	139,359	15 00	1,545	0 00	0
Subtotal						96,077		7,737		43,299
Condensers and Auxiliaries										
Condenser - 60000 sq ft, twin shell w/1600 cu ft hotwell storage Incls 10096 almn-brs tubes										
Condenser Shell	TN	1	197 50	197 50	148.50	29,329	0 00	0	40 00	7,900
Condenser Tubes - Aluminum-Brass	TN	1	64.25	64 25	319 50	20,528	0 00	0	700 00	44,975
Condenser Foundation - Reinforced Concrete	CY	1	62.00	62 00	58 80	3,646	153 00	9,486	0 00	0
Subtotal						53,502		9,486		52,875
Auxiliary Equipment										
Condensate Pumps (includes 200 hp motors)	TN	3	4 25	12 75	198 00	2,525	0 00	0	40.00	510
Reinforced Concrete For Condensate Pumps	CY	1	8 90	8 90	58 80	523	153 00	1,362	0 00	0
Subtotal						3,048		1,362		510
Cooling Water Equipment										
Cooling Water Pumps - Aurora 2000 gpm	TN	2	0 60	1 20	198 00	238	0 00	0	40 00	48
Cooling Water Pumps - Reinforced Concrete	CY	1	3 10	3 10	58 80	182	153 00	474	0 00	0
Cooling Water Heat Exchangers - 1 mil #/hr	TN	1	6 15	6.15	198.00	1,218	0.00	0	40 00	246
Reinf Concr for Cooling Water Heat Exchangers	CY	1	0 50	0 50	58 80	29	153 00	77	0 00	0
Sealing Water Sys - Clng Wtr & Glnd Sl Tnks	TN	1	2 05	2.05	198.00	406	0.00	0	40 00	82
Subtotal						2,073		551		376
Miscellaneous Equipment	TN	1	18 32	18 32	319.50	5,853	0 00	0	40 00	733

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
Total Account 314						183,414		78,622		97,793
FERC Account 315										
Accessory Electrical Equipment										
Foundations and Structures										
Generator Leads & Supports										
Reinforced Concrete	CY	1	33 10	33 10	58 80	1,946	153 00	5,064	0 00	0
Structural Steel	TN	1	7 70	7 70	148 50	1,143	0 00	0	40 00	308
Generator Leads Enclosures	TN	1	4 84	4 84	198 00	958	0 00	0	40 00	194
Subtotal						4,048		5,064		502
Power Conversion Equipment										
2400 V Metal Clad Switchgear	TN	2	22 25	44 50	319.50	14,218	0 00	0	40 00	1,780
480 V Metal Clad Switchgear	TN	2	18 25	36 50	319 50	11,662	0 00	0	40 00	1,460
Main Exciter	TN	1	8 38	8 38	319 50	2,677	0 00	0	40.00	335
Starting Transformer - 5000 kva	TN	1	12 00	12 00	319 50	3,834	0 00	0	40 00	480
Transformer Copper	TN	1	4 80	4 80	333.00	1,598	0 00	0	1000 00	4,800
Reinforced Concrete for Starting Transformer	CY	1	19 90	19 90	58 80	1,170	153 00	3,045	0 00	0
Conduit	TN	1	40 00	40 00	319 50	12,780	0 00	0	40 00	1,600
Concrete	CY	1	447 80	447 80	23 52	10,532	153 00	6,120	0 00	0
Generator Leads (all copper tubing)	TN	1	12 50	12 50	540 00	6,750	0 00	0	1000 00	12,500
Power Wiring	TN	1	20 89	20 89	540 00	11,281	0 00	0	700 00	14,623
Control Cable & Supporting Cable Trays	TN	1	1 07	1 07	540 00	578	0 00	0	700 00	749
Subtotal						77,080		9,165		38,327
Total Account 315						81,128		14,229		38,829
FERC Account 316										
Miscellaneous Power Plant Equipment										
Air Compressor System	TN	2	2 10	4 20	198 00	832	0 00	0	40 00	168
Total Account 316						832		0		168
TOTAL CUTLER UNIT 5						1,248,212		538,311		271,009
CUTLER UNIT 6										
FERC Account 311										
Improvements to Site										
Reinforced Concrete	CY	1	43 70	43 70	58 80	2,570	153 00	6,686	0 00	0
Asphalt Paving	CY	1	202 54	202 54	23 52	4,764	153 00	30,989	0.00	0
Subtotal						7,333		37,675		0
Condensing and Service Water System										
Piping	TN	1	3 80	3 80	270 00	1,026	0 00	0	40 00	152
Reinforced Concrete - Piping	CY	1	17 20	17 20	58 80	1,011	153 00	2,632	0 00	0
Salt Water Well Pump System	TN	1	1.62	1.62	198 00	321	0.00	0	40.00	65
Reinforced Concrete - Intake Structure	CY	1	373 00	373 00	58 80	21,932	153.00	57,069	0 00	0
Structural Steel	TN	1	64 90	64 90	148 50	9,638	0 00	0	40 00	2,596
Traveling, Fine and Coarse Screens	TN	1	19 74	19 74	198 00	3,909	0 00	0	40.00	790
Piping (Cast Iron - 48")	TN	1	292.40	292 40	270.00	78,948	0 00	0	40.00	11,696
Piping (Concrete - 48")	TN	1	106.86	106.86	225.40	24,086	0 00	0	0.00	0
Concrete	CY	1	233 30	233 30	23 52	5,487	153.00	35,695	0 00	0

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
Reinforced Concrete	CY	1	32 50	32 50	58 80	1,911	153 00	4,973	0 00	0
Subtotal						148,269		100,368		15,298
Station Structures										
Walls & Floors - Unreinforced Concrete	CY	1	351 50	351 50	23 52	8,267	153 00	53,780	0 00	0
Reinforced Concrete - Walls & Floors	CY	1	1,277 40	1,277 40	58.80	75,111	153 00	195,442	0.00	0
Structural Steel	TN	1	158 90	158 90	148 50	23,597	0 00	0	40 00	6,356
Grating and Steel Plate	TN	1	10 30	10 30	319 50	3,291	0 00	0	40 00	412
Steel Platforms, Stairs, Ladders, Handrailing	TN	1	24.80	24.80	319 50	7,924	0 00	0	40 00	992
Reinforced Concrete - Floors, Drains & Sumps	CY	1	6.90	6 90	58 80	406	153 00	1,056	0 00	0
Station Crane	TN	1	74 00	74.00	148.50	10,989	0 00	0	40 00	2,960
Subtotal						129,584		250,277		10,720
Total Account 311						285,187		388,320		26,018
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil Trnsfer Pump - 420 gpm (w/50 hp mtr)	TN	2	0 85	1 70	198 00	337	0 00	0	40 00	68
Unloading Pump - 1225 gpm (w/125 hp motor)	TN	1	3 50	3 50	198 00	693	0 00	0	40 00	140
Stripping Pump - 200 gpm	TN	1	1.06	1 06	198 00	210	0 00	0	40 00	42
Reinforced Concrete for Pumps	CY	1	4 30	4 30	58 80	253	153 00	658	0 00	0
6", 10", 12" basket fuel oil strainers	TN	1	2 55	2 55	198 00	505	0 00	0	40 00	102
Reinforced Concrete for Heaters & Strainers	CY	1	11 40	11 40	58 80	670	153 00	1,744	0 00	0
Fuel Burner Pumps	TN	4	0 75	3 00	198 00	594	0.00	0	40 00	120
Reinforced Concrete for Fuel Burner Pumps	CY	1	29 70	29 70	58 80	1,746	153 00	4,544	0 00	0
Forced Draft Fans	TN	2	7 94	15 88	148 50	2,358	0 00	0	40 00	635
Motors for Forced Draft Fans	TN	2	2 64	5 28	198 00	1,045	0 00	0	40 00	211
Forced Draft Foundation - Reinforced Concrete	CY	1	52 10	52 10	58 80	3,063	153 00	7,971	0 00	0
Ducts	TN	1	160 00	160 00	198 00	31,680	0 00	0	40.00	6,400
Duct Insulation	CY	1	240 00	240 00	45 00	10,800	12 00	2,880	0 00	0
Reinf Concrete for F O , Stm, Cond Piping	CY	1	19 80	19 80	58 80	1,164	153 00	3,029	0 00	0
Subtotal						55,119		20,827		7,719
Boiler Equipment										
Concrete Reinforced Boiler Foundation Piers	CY	1	21 30	21 30	58 80	1,252	153 00	3,259	0 00	0
Concrete Deck Slabs	CY	1	40 70	40 70	58 80	2,393	153 00	6,227	0 00	0
Structural Steel	TN	1	768 80	768 80	148 50	114,167	0 00	0	40 00	30,752
Platform Grating and Handrail	TN	1	90 60	90 60	319 50	28,947	0 00	0	40 00	3,624
Gas Piping	TN	1	41 00	41 00	198 00	8,118	0 00	0	40 00	1,640
Steam Generation Unit - including								0		
Drum	TN	1	91 18	91.18	148 50	13,540	0 00	0	40.00	3,647
Water walls	TN	1	241 73	241 73	148 50	35,897	0 00	0	40 00	9,669
Downcomers	TN	1	70 33	70 33	148 50	10,444	0 00	0	40 00	2,813
Airheater	TN	2	74 00	148 00	148 50	21,978	0 00	0	40.00	5,920
Superheater	TN	1	142 96	142 96	148 50	21,230	0 00	0	40 00	5,718
Reheater	TN	1	150.11	150 11	148 50	22,291	0.00	0	40 00	6,004
Economizer	TN	1	171.93	171 93	148 50	25,532	0.00	0	40.00	6,877
Boiler setting - Insulation	CY	1	77 00	77 00	1,353 00	104,181	15 00	1,155	0 00	0
Boiler setting - brick	CY	1	188 00	188 00	1,353 00	254,364	15 00	2,820	0 00	0
Copper pipe and tubing	TN	1	67.40	67 40	420 00	28,308	0 00	0	1000 00	67,400
Model RIC Air Compressors	TN	1	3 65	3 65	319 50	1,166	0.00	0	40.00	146
Combust Cntrl Eqpmnt - Reinforced Concrete	CY	1	21 30	21 30	58 80	1,252	153 00	3,259	0 00	0

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
Subtotal						695,060		16,720		144,212
Boiler Plant Auxiliaries										
Feed Water Heaters										
7th Extraction Point Crossover Heater	TN	1	31 50	31 50	148 50	4,678	0 00	0	40 00	1,260
11th Extraction Point - High Pressure Heater	TN	1	30 00	30 00	148 50	4,455	0 00	0	40 00	1,200
15th Extraction Point - Intermed Pres Htr	TN	1	11 00	11 00	148 50	1,634	0.00	0	40 00	440
17th Extraction Point - Low Pressure Heater	TN	1	11.50	11 50	198 00	2,277	0.00	0	40.00	460
19th Extraction Point - Low Pressure Heater	TN	1	11 25	11 25	198 00	2,228	0 00	0	40 00	450
20th Extraction Point - Low Pressure Heater	TN	1	19 75	19 75	198 00	3,911	0 00	0	40 00	790
Deaerating Preheater	TN	1	3 25	3 25	148 50	483	0 00	0	40 00	130
Boiler Feed Pumps (including motors)	TN	3	19 25	57 75	148 50	8,576	0 00	0	40 00	2,310
Boiler Feed Pump Ventilation - Fans	TN	1	3 49	3 49	148 50	518	0 00	0	40 00	140
Boiler Feed Pumps Reinforced Concrete	CY	1	62 60	62 60	58 80	3,681	153 00	9,578	0 00	0
Intermediate Pressure Heater Drain Pumps	TN	2	1 59	3 18	198 00	630	0 00	0	40 00	127
I P Heater Drain Pumps - Reinforced Concrete	CY	1	2 20	2 20	58 80	129	153 00	337	0 00	0
Condensate Storage Tank - Reinforced Concrete	CY	1	5 90	5 90	58 80	347	153 00	903	0 00	0
Condensate Storage Tank - 60000 gal cap	TN	1	16 50	16 50	198 00	3,267	0.00	0	40 00	660
Condensate Collecting Tank	TN	1	2 50	2 50	198 00	495	0 00	0	40 00	100
Combustion and Feedwater Controls	TN	1	1 78	1 78	319 50	569	0 00	0	40 00	71
Feedwater Regulator Valves	TN	1	5 75	5 75	148 50	854	0 00	0	40 00	230
Reverse Current Valves	TN	1	1 28	1 28	148 50	190	0 00	0	40 00	51
Condensate Return Cooler w/158 5 sq ft surf	TN	1	1 60	1.60	198 00	317	0 00	0	40 00	64
Blowoff Tank - 6' dia, 7'7" high	TN	1	6 30	6 30	148 50	936	0 00	0	40 00	252
Blowoff Tank - Reinforced Concrete	CY	1	4 90	4 90	58 80	288	153 00	750	0 00	0
Subtotal						40,460		11,567		8,735
Boiler Plant Piping										
General Piping (includes system valves)										
2 5" & Under - Pipe, Valves & Fittings	TN	1	1 79	1 79	319 50	572	0 00	0	40 00	72
2 5" & Under - Insulation	CY	1	16 00	16 00	1,353 00	21,648	15 00	240	0 00	0
2 51" - 8" - Pipe, Valves & Fittings	TN	1	89 64	89 64	198 00	17,749	0 00	0	40 00	3,586
2 51" - 8" - Insulation	CY	1	124 00	124 00	1,353 00	167,772	15 00	1,860	0 00	0
Over 8 " - Pipe, Valves & Fittings	TN	1	109 38	109 38	148 50	16,243	0 00	0	40 00	4,375
Over 8 " - Insulation	CY	1	89 04	89 04	45 00	4,007	12 00	1,068	0 00	0
Extraction Steam Valves	TN	1	1 05	1 05	148 50	156	0 00	0	40 00	42
Main Steam Stop Valves	TN	2	6 50	13 00	148 50	1,931	0 00	0	40 00	520
Combined Reheat Stop Valves	TN	2	9 00	18 00	148 50	2,673	0 00	0	40 00	720
Subtotal						232,750		3,168		9,314
Induced Draft Equipment										
Stack Breeching	CY	1	173 50	173 50	58 80	10,202	153 00	26,546	0 00	0
Foundation - Reinforced Concrete I D Fans	CY	1	63 10	63 10	58 80	3,710	153 00	9,654	0 00	0
Induced Draft Fans	TN	2	11 85	23 70	148 50	3,519	0 00	0	40 00	948
Motors for Induced Draft Fans	TN	2	5 65	11 30	198 00	2,237	0 00	0	40 00	452
Dust Separators	TN	2	77 00	154.00	148 50	22,869	0 00	0	40.00	6,160
Dust Separators - Reinforced Concrete	CY	1	4 80	4.80	58.80	282	153 00	734	0 00	0
Soot Disposal Discharge Reinforced Concrete	CY	1	14 20	14 20	58 80	835	153 00	2,173	0 00	0
150' Stack with Inner Radial Brick Lining	CY	1	187.50	187 50	58 80	11,025	153.00	28,688	0 00	0
Concrete Stack Fndtn - Reinforced Concrete	CY	1	290 80	290 80	58.80	17,099	153 00	44,492	0 00	0
Concrete Stack Fndtn - Concrete	CY	1	390 80	390 80	23 52	9,192	153 00	59,792	0.00	0
Subtotal						80,971		172,079		7,560

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
Miscellaneous Equipment & Steel	TN	1	85 79	85 79	319 50	27,410	0 00	0	40 00	3,432
Total Account 312						1,131,770		224,361		180,972
FERC Account 314										
Turbogenerator Unit										
Concrete Pedestal										
Reinforced Concrete	CY	1	568 50	568 50	58 80	33,428	153 00	86,981	0 00	0
Subtotal						33,428		86,981		0
Turbogenerator Equipment										
Turbine Generator	TN	1	475 00	475 00	112 50	53,438	0 00	0	40 00	19,000
Turbine Generator Copper	TN	1	10 45	10 45	441 00	4,608	0 00	0	1000 00	10,450
Turbine Generator Access Foundations	CY	1	14 60	14 60	58 80	858	153 00	2,234	0 00	0
Turbine Plant Piping	TN	1	207 20	207 20	198 00	41,026	0 00	0	40 00	8,288
Turbine Insulation	CY	1	370 00	370 00	45 00	16,650	12 00	4,440	0 00	0
Turbine Insulation	CY	1	125 00	125 00	1,353 00	169,125	15 00	1,875	0 00	0
Subtotal						285,705		8,549		37,738
Condensers and Auxiliaries										
Condenser - 65000 sq ft, single shell w/1600 cu ft hotwell storage Incls 9524 almn-brs tubes										
Condenser Shell	TN	1	238 00	238 00	148 50	35,343	0 00	0	40 00	9,520
Condenser Tubes	TN	1	69 95	69 95	148 50	10,388	0 00	0	700 00	48,965
Condenser Foundation - Reinforced Concrete	CY	1	5 90	5 90	58 80	347	153 00	903	0 00	0
Subtotal						46,077		903		58,485
Auxiliary Equipment										
Condensate Pumps - w/300 hp motors	TN	3	5 75	17 25	198 00	3,416	0 00	0	40 00	690
Steam Jet Air Ejectors	TN	1	2 50	2 50	198 00	495	0 00	0	40 00	100
Silencers for Blowoff Tank	TN	1	2 58	2 58	198 00	511	0 00	0	40 00	103
Subtotal						4,421		0		893
Cooling Water Equipment										
Cooling Water Pumps - Aurora 2000 gpm w/60 hp	TN	2	0 60	1 20	198 00	238	0 00	0	40 00	48
Cooling Water Pumps - Reinforced Concrete	CY	1	0 40	0 40	58.80	24	153 00	61	0 00	0
Cooling Water Heat Exchangers - 1 mil #/hr	TN	1	6 15	6 15	198.00	1,218	0 00	0	40 00	246
Reinf Concr for Cooling Water Heat Exchangs	CY	1	0 90	0 90	58 80	53	153 00	138	0 00	0
Subtotal						1,532		199		294
Miscellaneous Equipment & Steel	TN	1	24 17	24 17	319 50	7,722	0 00	0	40 00	967
Total Account 314						378,886		96,631		98,377
FERC Account 315										
Accessory Electrical Equipment										
Foundations and Structures										
Generator Leads & Supports										
Reinforced Concrete	CY	1	47 60	47 60	58 80	2,799	153 00	7,283	0 00	0
Structural Steel	TN	1	20 97	20 97	148 50	3,114	0 00	0	40 00	839

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 Enclosures	TN	1	19 35	19 35	198 00	3,831	0 00	0	40 00	774
Manholes & Handholes - Reinforced Concrete	CY	1	46 40	46 40	58 80	2,728	153 00	7,099	0 00	0
Auxiliary Power Trnsfrmr - Reinforced Concr	CY	1	5 50	5.50	58 80	323	153.00	842	0 00	0
Station Service Trnsfrmrs - Reinforced Concr	CY	1	13 00	13 00	58 80	764	153 00	1,989	0 00	0
Metal Clad 2400 v Switchgear - Reinf Concr	CY	1	31 00	31 00	58 80	1,823	153 00	4,743	0 00	0
Subtotal						15,383		21,956		1,613
Power Conversion Equipment										
2400 V Metal Clad Switchgear	TN	2	18 00	36 00	319 50	11,502	0 00	0	40 00	1,440
480 V Metal Clad Switchgear	TN	2	15 00	30 00	319 50	9,585	0 00	0	40 00	1,200
Main Exciter	TN	1	15 08	15 08	319 50	4,818	0 00	0	40 00	603
Starting Transformer	TN	1	9 00	9 00	319 50	2,876	0 00	0	40 00	360
Transformer Copper	TN	1	3 60	3 60	333 00	1,199	0 00	0	1000 00	3,600
Conduit	TN	1	56 50	56 50	319 50	18,052	0 00	0	40 00	2,260
Concrete	CY	1	518 10	518 10	23 52	12,186	153 00	79,269	0 00	0
Station Insulators	TN	1	8 10	8 10	319 50	2,588	0 00	0	40.00	324
Generator Leads - Copper	TN	1	16 00	16 00	540 00	8,640	0 00	0	1000 00	16,000
Buss Fittings	TN	1	3 90	3 90	319 50	1,246	0 00	0	40 00	156
Power Wiring	TN	1	26 74	26 74	540 00	14,440	0 00	0	700 00	18,718
Control Wiring	TN	1	25 79	25 79	540 00	13,927	0 00	0	700 00	18,053
Other Cable	TN	1	2 30	2 30	540 00	1,242	0 00	0	700 00	1,610
Rigid Steel Conduit		1	8 29	8 29	198 00	1,641	0 00	0	40.00	332
Subtotal						103,940		79,269		64,656
Total Account 315						119,324		101,225		66,269
FERC Account 316										
Miscellaneous Power Plant Equipment										
Air Compressor System	TN	2	2 15	4 30	198 00	851	0 00	0	40 00	172
Total Account 316						851		0		172
TOTAL CUTLER UNIT 6						1,916,017		810,537		371,808
TOTAL CUTLER COMMON & UNITS 5 & 6						3,611,246		2,097,722		690,345

FORT 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 estimated retirement dates are:

Unit	Year
Unit 4:	2018
Unit 5:	2018
Common:	2018

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 estimated retirement date of the gas turbines at Ft. Lauderdale is 2007.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Fort Lauderdale plant in Docket No. 981166-EI, Order No. PSC-00-0293-PAA-EI, issued on February 14, 2000. The current accruals became effective as of January 1, 1999.

FT. LAUDERDALE
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Ft. Lauderdale Common				
	Production Plant				
341	Structures and Improvements	2,264,674	3,551,364	259,000	5,557,038
342	Fuel Holders, Producers, and Accessories	15,025	13,192	3,080	25,137
343	Prime Movers	230,145	105,126	63,340	271,931
344	Generators	0	0	0	0
345	Accessory Electric Equipment	130,621	28,906	76,740	82,787
346	Miscellaneous Power Plant Equipment				
	Subtotal	2,640,465	3,698,588	402,160	5,936,893
	Other Site Costs:				
	Site Mangement Expenses	868,070			868,070
	Intake & Discharge Backfill	90,043			90,043
	Grading & Seeding	2,107,589			2,107,589
	Subtotal	3,065,702	0	0	3,065,702
	Total	5,706,167	3,698,588	402,160	9,002,595
	Contingency - 16%	912,987	591,774		1,504,761
	Total Ft. Lauderdale Common	6,619,154	4,290,362	402,160	10,507,356
	Unusable M&S Inventory	2,166,492		216,650	1,949,842
	Total Ft. Lauderdale Common including Unusable M&S Inventory	8,785,646	4,290,362	618,810	12,457,198
	Ft. Lauderdale Unit 4				
341	Structures and Improvements	1,163,502	1,019,664	143,280	2,039,886
342	Fuel Holders, Producers, and Accessories	171,889	47,873	23,704	196,058
343	Prime Movers	1,145,977	274,714	284,740	1,135,951
344	Generators	429,867	309,694	94,516	645,046
345	Accessory Electric Equipment	420,578	174,296	189,330	405,544
346	Miscellaneous Power Plant Equipment	24,680	24,929	1,920	47,689
	Subtotal	3,356,493	1,851,170	737,490	4,470,173
	Contingency - 16%	537,039	296,187		833,226
	Total Ft. Lauderdale Unit 4	3,893,531	2,147,358	737,490	5,303,399
	Ft. Lauderdale Unit 5				
341	Structures and Improvements	230,171	268,787	12,760	486,198
342	Fuel Holders, Producers, and Accessories	113,654	25,151	15,584	123,221
343	Prime Movers	962,250	160,923	266,220	856,953
344	Generators	426,863	305,717	176,396	556,185
345	Accessory Electric Equipment	355,667	140,831	168,990	327,508
346	Miscellaneous Power Plant Equipment	16,796	14,065	1,600	29,261
	Subtotal	2,105,401	915,474	641,550	2,379,325
	Contingency - 16%	336,864	146,476		483,340
	Total Ft. Lauderdale Unit 5	2,442,265	1,061,950	641,550	2,862,665
	Ft. Lauderdale Gas Turbines				
341	Structures and Improvements	3,600	14,550	0	18,150
342	Fuel Holders, Producers, and Accessories	0	0	0	0
343	Prime Movers	381,322	0	75,360	305,962
344	Generators	3,703	0	1,288	2,415
345	Accessory Electric Equipment	4,232	0	5,500	-1,268
346	Miscellaneous Power Plant Equipment	0	0	0	0
	Subtotal	392,857	14,550	82,148	325,259
	Contingency - 16%	62,857	2,328		65,185
	Total Ft. Lauderdale Gas Turbines	455,714	16,878	82,148	390,444
	Total Dismantlement Costs	15,577,156	7,516,548	2,079,998	21,013,706

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	3,971,493	4,814,154	4,290,362	618,810	12,457,198
Ft. Lauderdale Unit 4	2,336,119	1,557,413	2,147,358	737,490	5,303,399
Ft. Lauderdale Unit 5	1,465,359	976,906	1,061,950	641,550	2,862,665
Ft. Lauderdale Gas Turbines	273,428	182,285	16,878	82,148	390,444
Total	8,046,399	7,530,758	7,516,548	2,079,998	21,013,706

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. 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 PGD. 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.

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

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

It is assumed that dismantlement activity at Fort Lauderdale will begin five years after end of service. The end of service dates used for this assumption are based on the economic recovery period ending dates used in the Fort Lauderdale depreciation study submitted in 2002 (on an information only basis), using plant data as of December 31, 2001.

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 were developed by FPL's Power Generation Division (PGD). The crew rate per man-hour is for a crew consisting of six journeymen laborers, one laborer foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a Trojan 3500Z front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. 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 for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$27.82	X	6	=	$166.94
Foreman	$35.75	X	1	=	$35.75
Heavy Equipment Operator	$33.32	X	1	=	$33.32
Total Cost per hour of 8 man crew					$236.01
Cost per man hour		$236.01	/	8 =	$29.50

Equipment Rate

The equipment rate is based on the following equipment:

Excavator				15,961.61
Front End Loader				5,471.12
Cutting Equipment				208.12
Total per month				$21,640.85
21,640.85	/	176	hours per month =	122.96
Cost per man hour		$122.96	/ 8 =	$15.37
Plus: amount for small tools				0.80
Total Cost per man hour				$16.17

Equipment & Labor Summary

Labor	$29.50
Equipment	16.17
Total	$45.67
Rounded	$46.00
For Concrete demolition add $4.00 per hour additional equipment charge.	$50.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$46.00	2.50 MH / Ton	$115.00 / Ton
Heavy Steel (2)	$46.00	3.30 MH / Ton	$151.80 / Ton
General Steel	$46.00	4.40 MH / Ton	$202.40 / Ton
Light Steel	$46.00	7.10 MH / Ton	$326.60 / Ton
Concrete	$50.00	0.48 MH / CY	$24.00 / CY
Reinforced Concrete	$50.00	1.20 MH / CY	$60.00 / CY
Copper-Elect. Cable & Generator Leads &	$46.00	12.00 MH / Ton	$552.00 / Ton
Copper - Generator	$46.00	9.80 MH / Ton	$450.80 / Ton
Copper - Transformer	$46.00	7.40 MH / Ton	$340.40 / Ton
General Insulation	$46.00	1.00 MH / CY	$46.00 / CY
Inground Pipe-Metal(3)	$46.00	6.00 MH / Ton	$276.00 / Ton
Concrete Pipe	$50.00	4.60 MH / Ton	$230.00 / 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 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 $39.60 per ton for both concrete and calcium silicate insulation. The dumpster charge is $150.00 per haul (including driver) for all size dumpsters. These rates were obtained from the Central Landfill.

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						150.00
Tipping Fee	$39.60	/TN	X	30.5 TN	=	1,207.80
subtotal						1,357.80
Cost per Cubic Yard	$1,357.80	/ 15.38 cubic yards =				$88.28
Plus 10% contractor profit						8.83
Total Cost per Cubic Yard						$97.11
Rounded Cost per Cubic Yard						$97.00

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., 40 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds, or .06075 tons/cubic yard = 2.43 tons.

Dumpster Charge per haul						$150.00
Tipping Fees	$39.60	/ TN	X	2.43 TN	=	96.23
Total Cost per round Trip						$246.23
Cost per Cubic Yard	$246.23	/ 36 cubic yards =				$6.84
Plus 10% contractor profit						0.68
Total Cost per Cubic Yard						$7.52
Rounded Cost per Cubic Yard						$8.00

SALVAGE VALUE FACTORS

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

Iron & Steel	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable:	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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 $15,996.54 per month both office and site, and contractor's expenses of $20,173.03 per month. These expenses are assumed to be incurred over the 24 month dismantlement period for the Lauderdale 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	$36,170
Number of months	24
Total Site Mangement Expenses	$868,070

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. For Lauderdale Units 4 & 5, the costs are as follows:

2	Intake Structures at :	$32,242	equals:	$64,484
1	Discharge Structures at:	$25,559	equals:	$25,559
Total Cost to Backfill Intake & Discharge Structures equals:				$90,043

Grading and Seeding

This cost refers to the restoration of the dismantled area to a green field. The land is filled with sand, spread with topsoil and then seeded. The cost factor provided by PGD is $46,118 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.

Lauderdale Acreage to be graded and seeded	45.70
Cost Factor	$46,118
Total Grading and Seeding Expense	$2,107,589

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	60 00	12,240	97 00	19,788	0 00	0
Pavement	CY	3,500	24 00	84,000	97 00	339,500	0 00	0
Concrete Drain Pipe & Supports	CY	53	24 00	1,266	97 00	5,119	0 00	0
Water Treatment Equipment	TN	29	202 40	5,870	0 00	0	40 00	1,160
Piping	TN	8	202 40	1,619	0 00	0	40 00	320
Pumping Equipment	TN	122	202 40	24,693	0 00	0	40 00	4,880
Concrete Mats	CY	1,784	24 00	42,816	97 00	173,048	0 00	0
Concrete Basement Floors	CY	2,861	24 00	68,664	97 00	277,517	0 00	0
Structural Steel	TN	365	202 40	73,876	0 00	0	40 00	14,600
Platforms, Hndrls & Gratings	TN	60	202 40	12,144	0 00	0	40 00	2,400
Concrete Floors and Roof	CY	221	24 00	5,304	97 00	21,437	0 00	0
Cranes and Hoists	TN	151	202.40	30,562	0 00	0	40 00	6,040
Elevator	TN	9	202 40	1,822	0 00	0	40 00	360
Plumbing and Building Drainage	TN	15	202.40	3,036	0.00	0	40 00	600
Oil Storage Tank	TN	460	n/a	85,686	0 00	0	40 00	18,400
Oil Storage Tank Cleaning	n/a	n/a	n/a	0	n/a	303,285	n/a	0
Soil Remediation	n/a	n/a	n/a	0	n/a	453,628	n/a	0
Concrete Foundations	CY	184	60 00	11,040	97 00	17,848	0 00	0
Fire Walls	CY	11,991	24 00	287,784	97 00	1,163,127	0 00	0
Piping & Supports	TN	129	202 40	26,110	0 00	0	40 00	5,160
Pumps	TN	3	202 40	607	0 00	0	40 00	120
Heaters	TN	22	202 40	4,453	0 00	0	40 00	880
Administration Building	TN	4,358	202 40	882,059	0 00	0	40 00	174,320
Misc Eq Foundations	CY	1,817	60 00	109,020	97 00	176,249	0 00	0
Thrust Blocks	CY	9	24 00	216	97 00	873	0 00	0
Pipe 4" or > Fire Protection	TN	3	151 80	455	0 00	0	40 00	120
Valve, manual	TN	2	151 80	304	0 00	0	40 00	80
Large Pipe Supports	TN	1	151 80	152	0 00	0	40 00	40
2 5" & > - 6" - 8" Carbon Steel Pipe	TN	5	202 40	1,012	0 00	0	40 00	200
2 5" & > - 10" - 14" Carbon Steel Pipe	TN	25	202.40	5,060	0 00	0	40 00	1,000
Reinforced Concrete	CY	682	60 00	40,920	97 00	66,154	0 00	0
Reinforced Concrete - Other	CY	71	60 00	4,260	97 00	6,887	0 00	0
Miscellaneous Foundations - Concrete	CY	23	24 00	552	97 00	2,231	0 00	0
Fiberglass Above Ground Piping	CY	35	24 00	840	97 00	3,395	0 00	0
10" - 14" Fiberglass Piping - Above Ground	CY	3	24 00	72	97 00	291	0 00	0
Special Piping - Fiberglass -Above Ground	CY	11	24 00	264	97 00	1,067	0 00	0
WT & WWT - Makeup Demin & Aux	TN	1	202 40	202	0 00	0	40 00	40
WT & WWT - DeGas Equipment	TN	2	202 40	405	0 00	0	40 00	80
WT & WWT - Reverse Osmosis Equipment	TN	12	202 40	2,429	0 00	0	40 00	480
WT & WWT - Reverse Osmosis Equipment	TN	1	202 40	202	0 00	0	40 00	40
WT & WWT - Makeup Demin & Aux	TN	2	202 40	405	0 00	0	40 00	80
Reinforced Concrete - Pits, Sumps & Ramps	CY	52	60 00	3,120	97 00	5,044	0 00	0
Reinforced Concrete - Slab on Grade	CY	2,379	60 00	142,740	97 00	230,763	0 00	0
Reinforced Concrete - Walls	CY	138	60 00	8,280	97 00	13,386	0 00	0
Misc Steel - Grating	TN	8	326 60	2,613	0 00	0	40 00	320
Handrail, Checkplate	TN	6	326 60	1,960	0 00	0	40 00	240
WT & WWT - Makeup Demin & Aux	TN	2	202 40	405	0.00	0	40 00	80
Reinforced Concrete - Pits, Sumps& Ramps	CY	384	60 00	23,040	97 00	37,248	0 00	0
Reinforced Concrete - Slab on Grade	CY	167	60.00	10,020	97.00	16,199	0 00	0
Reinforced Concrete - Foundations	CY	375	60.00	22,500	97.00	36,375	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc	CY	17	60 00	1,020	97 00	1,649	0 00	0
Handrail, Checkplate	TN	20	202 40	4,048	0 00	0	40.00	800
Large Pipe Supports	TN	9	151 80	1,366	0 00	0	40.00	360
WT & WWT - Interconnecting SB Pipe	TN	3	202 40	607	0 00	0	40 00	120
Special Piping - Fiberglass -Above Ground	CY	80	24 00	1,920	97 00	7,760	0 00	0
Hangers & Supports - Large Bore	TN	8	202 40	1,619	0 00	0	40 00	320

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
Large Pipe Supports	TN	15	202 40	3,036	0 00	0	40 00	600
WT & WWT - Interconnecting LB Pipe S	TN	79	202 40	15,990	0 00	0	40.00	3,160
Special Piping - Fiberglass -Above Ground	CY	10	24.00	240	97 00	970	0 00	0
Special Piping - Fiberglass -Above Ground	CY	8	24 00	192	97 00	776	0 00	0
Special Piping - Fiberglass -Above Ground	CY	22	24 00	528	97 00	2,134	0 00	0
Special Piping - Fiberglass -Above Ground	CY	11	24 00	264	97 00	1,067	0 00	0
Special Piping - Fiberglass -Above Ground	CY	338	24 00	8,112	97 00	32,786	0 00	0
WT & WWT - Oily Water Separator Syst	TN	4	202 40	810	0 00	0	40 00	160
WT & WWT - WWT System	TN	7	202.40	1,417	0 00	0	40 00	280
WT & WWT - Oily Water Separator Syst	TN	1	202 40	202	0 00	0	40 00	40
WT & WWT - WWT System	TN	6	202.40	1,214	0 00	0	40 00	240
WWT TANKS	TN	44	202 40	8,906	0 00	0	40 00	1,760
WT & WWT - Oily Water Separator Syst	TN	3	202 40	607	0 00	0	40 00	120
Large Pipe Supports	TN	6	151 80	911	0 00	0	40.00	240
2" & Under Carbon Steel Above Ground	TN	6	202 40	1,214	0 00	0	40 00	240
Small Piping - Carbon Steel	TN	6	202 40	1,214	0.00	0	40 00	240
ELT 2 5" & > - 2 5" - 4" Carbon Steel Pipe	TN	19	202 40	3,846	0 00	0	40 00	760
Large Pipe Supports	TN	3	202.40	607	0 00	0	40 00	120
6" - 8" Carbon Steel Pipe Above Ground	TN	5	202.40	1,012	0 00	0	40 00	200
2 5" & > - 6"-8" Carbon Steel Pipe	TN	52	202 40	10,525	0 00	0	40 00	2,080
10" - 14" Carbon Steel Pipe Above Ground	TN	28	151 80	4,250	0 00	0	40 00	1,120
2 5" & > - 10"-14" Carbon Steel Pipe	TN	16	151 80	2,429	0 00	0	40 00	640
Pump/Tank/Heat - Service Water Pumps	TN	3	151 80	455	0 00	0	40.00	120
Reinforced Concrete - Utility Rack Foundations	CY	343	60 00	20,580	97 00	33,271	0 00	0
Reinforced Concrete - Utility Rack Foundations	CY	308	60 00	18,480	97 00	29,876	0 00	0
Reinforced Concrete - Foundations	CY	189	60 00	11,340	97 00	18,333	0 00	0
Reinforced Concrete - Walls	CY	186	60 00	11,160	97 00	18,042	0 00	0
Reinforced Concrete - Other	CY	107	60 00	6,420	97 00	10,379	0 00	0
Reinforced Concrete - Other	CY	6	60 00	360	97 00	582	0 00	0
Utility Rack- Structural Steel	TN	87	151 80	13,207	0 00	0	40 00	3,480
Utility Rack- Structural Steel	TN	28	151 80	4,250	0.00	0	40 00	1,120
Reinforced Concrete - Slab on Grade	CY	80	60 00	4,800	97 00	7,760	0 00	0
Reinforced Concrete - Other	CY	16	60 00	960	97 00	1,552	0 00	0
Architectural Features - Block Work	CY	17	24 00	408	97 00	1,649	0 00	0
Architectural Features - Stucco	CY	2	24 00	48	97 00	194	0 00	0
Precast Concrete - Roof Panels	CY	9	24.00	216	97 00	873	0 00	0
Reinforced Concrete - Other	CY	15	60 00	900	97 00	1,455	0 00	0
Structural Steel - RO Training Building	TN	25	151 80	3,795	0 00	0	40 00	1,000
Architectural Features - Roof Decking	CY	27	24 00	648	97 00	2,619	0 00	0
Architectural Features - Block Work	CY	27	24 00	648	97 00	2,619	0 00	0
Architectural Features - Stucco	CY	3	24 00	72	97 00	291	0 00	0
Precast Concrete - Roof Panels	CY	16	24 00	384	97 00	1,552	0 00	0
WT & WWT - Chemical Feed Equipment	TN	3	202 40	607	0 00	0	40 00	120
Water Treatment SBP	TN	4	202 40	810	0 00	0	40 00	160
WT & WWT - Interconnecting SB Pipe	TN	3	202 40	607	0 00	0	40 00	120
Water Treatment LBP	TN	3	202 40	607	0 00	0	40 00	120
WT & WWT - Interconnecting LB Pipe S	TN	178	202 40	36,027	0 00	0	40 00	7,120
Reinforced Concrete - Slab on Grade	CY	28	60 00	1,680	97 00	2,716	0 00	0
Account 341 Totals				2,264,674		3,551,364		259,000
Account 342: Fuel Holders, Producers, and Accessories								
Trenwa	CY	134	24.00	3,216	97.00	12,998	0 00	0
2 5" & > - 10"-14" CS Pipe	TN	13	151 80	1,973	0 00	0	40 00	520
2 5" & > - 20"-30" CS Pipe	TN	9	151 80	1,366	0 00	0	40 00	360
Pipe < 4"- Light Oil	TN	9	151 80	1,366	0 00	0	40 00	360
Pipe4" Or >- Light Oil	TN	10	151 80	1,518	0 00	0	40.00	400
Valve, Manual Light Oil 4">	TN	1	151 80	152	0 00	0	40.00	40
Pipe Support 4" Or Larger	TN	2	151 80	304	0 00	0	40 00	80

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
Reinforced Concrete -Jet Fuel Line 8"	CY	2	60 00	120	97 00	194	0 00	0
Pipe 4" Or >-Jet Fuel 8"	TN	31	151 80	4,706	0 00	0	40.00	1,240
Valve, Manual - Jet Fuel 8"	TN	2	151 80	304	0 00	0	40 00	80
Account 342 Totals				15,025		13,192		3,080
Account 343: Prime Movers								
Firewalls	CY	245	24 00	5,880	97 00	23,765	0 00	0
Cooling Water Heat Exchangers	TN	11	202 40	2,226	0.00	0	40 00	440
L P Heater Drain Pump	TN	5	202 40	1,012	0 00	0	40 00	200
Well Cooling Water Pump	TN	3	202 40	607	0 00	0	40 00	120
Boiler Fill and Wash Pump	TN	1	202 40	202	0 00	0	40 00	40
Boiler Feed Pumps	TN	68	202.40	13,763	0 00	0	40 00	2,720
Concrete	CY	130	24 00	3,120	97 00	12,610	0 00	0
Condensate Storage Tank & Equip	TN	38	202 40	7,691	0 00	0	40 00	1,520
Condensate Storage Tank Fnd	CY	12	24 00	288	97 00	1,164	0 00	0
Piping	TN	402	210 00	84,420	0 00	0	40 00	16,080
Insulation	CY	458	46 00	21,068	8 00	3,664	0 00	0
Misc Steel & Equipment	TN	236	202 40	47,766	0 00	0	40 00	9,440
Pipe < 4"/Condens Wash	TN	3	151 80	455	0 00	0	40 00	120
Instrumentation - Instrument Tubing	TN	1	326 60	327	0 00	0	40 00	40
Concrete - Other	CY	659	24 00	15,816	97 00	63,923	0 00	0
Large Pipe Supports	TN	7	151 80	1,063	0 00	0	40 00	280
2" & < Pipe SS Above Ground	TN	2	202 40	405	0 00	0	340 00	680
2 5" - 4" SS Pipe Above Ground	TN	4	202.40	810	0 00	0	340 00	1,360
2 5" & > - 2 5"- 4" SS Pipe	TN	9	202 40	1,822	0 00	0	340 00	3,060
Hangers & Supports - LB	TN	4	151 80	607	0 00	0	40 00	160
Large Pipe Supports	TN	15	151 80	2,277	0 00	0	40 00	600
6" - 8" SS Pipe Above Ground	TN	4	151 80	607	0 00	0	340 00	1,360
2 5" & > - 6"-8" SS Pipe	TN	68	151 80	10,322	0 00	0	340 00	23,120
WT & WWT - Chemical Feed Equipment	TN	6	151 80	911	0 00	0	40.00	240
Water Treatment Tanks	TN	33	151 80	5,009	0 00	0	40.00	1,320
WT & WWT - Chemical Feed Equipment	TN	5	151 80	759	0 00	0	40 00	200
Pump/Tank/Heat - Field Fabricated Tanks	TN	1	151 80	152	0 00	0	40 00	40
Pump/Tank/Heat - Condensate Pumps	TN	5	151 80	759	0 00	0	40 00	200
Account 343 Totals				230,145		105,126		63,340
Account 345: Accessory Electric Equipment								
Concrete - Ductbank	CY	43	24 00	1,032	97 00	4,171	0 00	0
Steel/Ductbank	TN	3	151 80	455	0 00	0	40 00	120
Conduit 2" OR >/Firemain	TN	1	326 60	327	0 00	0	40 00	40
Cable Tray	TN	11	326 60	3,593	0 00	0	40 00	440
Duct Bank	TN	3	326 60	980	0 00	0	40 00	120
MCC Switchgear Section	TN	50	202 40	10,120	0 00	0	40 00	2,000
Wire < 4/0 (PWR)/Firemain	TN	1	552 00	552	0.00	0	40.00	40
Concrete	CY	12	24 00	288	97.00	1,164	0 00	0
Wire < 4/0 (PWR)	TN	3	552 00	1,656	0 00	0	700 00	2,100
Conduit 2"Or > - Cond &Raceway	TN	21	326 60	6,859	0 00	0	40 00	840
Sched Conduit - RGS Cond W/Supports 2 5" >	TN	14	326.60	4,572	0 00	0	40 00	560
Sched Conduit - RGS Cond W/Supports 2 5" >	TN	25	326.60	8,165	0.00	0	40 00	1,000
Hangers & Supports - 2" Or >	TN	1	151 80	152	0 00	0	40.00	40
Conduit < 2"-Conduit & Raceway	TN	8	326.60	2,613	0 00	0	40.00	320
Sched Conduit - RGS Cond W/Supports < 2"	TN	18	326.60	5,879	0 00	0	40 00	720
Sched Conduit - RGS Cond W/Supports < 2"	TN	16	326 60	5,226	0.00	0	40 00	640
Sched Conduit - Pull Boxes	TN	1	326 60	327	0 00	0	40 00	40
Light & Comm Co - Other	TN	1	326 60	327	0 00	0	40 00	40
Cable Tray/Fittings W/Supports	TN	18	326 60	5,879	0 00	0	40 00	720

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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
Concrete-Duct Bank	CY	175	24 00	4,200	97.00	16,975	0 00	0
Reinforced Concrete - Ductbank	CY	57	60 00	3,420	97 00	5,529	0 00	0
Pre-Cast Manhole	CY	11	24 00	264	97 00	1,067	0.00	0
Sched Wire & Cable - 4KV & > 1/C All Sizes	TN	20	552.00	11,040	0 00	0	700 00	14,000
Sched Wire & Cable - 4KV & > 1/C All Sizes	TN	11	552.00	6,072	0 00	0	700 00	7,700
Sched Wire & Cable - Instrum Cable - All Sizes	TN	3	552 00	1,656	0 00	0	700 00	2,100
Load Center, Bus - Switchgear	TN	5	202 40	1,012	0 00	0	40 00	200
Load Center, Bus - Switchgear	TN	3	202 40	607	0 00	0	40 00	120
MCC & Low Volt - MCC Switchgear Section	TN	4	202 40	810	0 00	0	40 00	160
MCC & Low Volt - MCC Switchgear Section	TN	2	202 40	405	0 00	0	40 00	80
Sched Wire & Cable - 600/Volt 1/C #6 & > PC	TN	15	552 00	8,280	0 00	0	700 00	10,500
Sched Wire & Cable - 600/Volt 1/C #6 & > PC	TN	3	552 00	1,656	0 00	0	700 00	2,100
Sched Wire & Cable - 600/Volt M/C #8 & > PC	TN	1	552 00	552	0 00	0	700 00	700
Sched Wire & Cable - 600/Volt M/C #8 & > PC	TN	25	552 00	13,800	0 00	0	700 00	17,500
Sched Wire & Cable - 600/Volt M/C #6 & < CC	TN	8	552 00	4,416	0 00	0	700 00	5,600
Wire 4/0OR>(PWR)-600V(PWR)	TN	2	552 00	1,104	0 00	0	700 00	1,400
MCC Switchgear Section	TN	50	202 40	10,120	0 00	0	40 00	2,000
Wire < 4/0 (PWR)-600V PWR	TN	4	552 00	2,208	0 00	0	700 00	2,800
Account 345 Totals				130,621		28,906		76,740
Total Common Facilities				2,640,465		3,698,588		402,160
Unit 4								
Account 341: Structures & Improvements								
Intake Structure - Concrete	CY	1238	60 00	74,280	97 00	120,086	0.00	0
Grills, Screens & Hoists	TN	22	326 60	7,185	0 00	0	40 00	880
Intake Conduit	CY	628	60 00	37,680	97 00	60,916	0 00	0
4" CI Pipe - Site	TN	35	151 80	5,313	0 00	0	40 00	1,400
6"-8" CI Pipe - Site	TN	20	151 80	3,036	0 00	0	40 00	800
10"-14" RC Pipe	TN	3	60 00	180	97 00	291	0 00	0
20"-24" RC Pipe - Site	TN	9	60 00	540	97 00	873	0 00	0
2 5"-3" Fiberglass Pipe	CY	3	24 00	72	97.00	291	0 00	0
4" Fiberglass Pipe	CY	7	24 00	168	97 00	679	0 00	0
6"-8" Fiberglass Pipe	CY	16	24 00	384	97 00	1,552	0 00	0
10"-14" Fiberglass Pipe	CY	11	24 00	264	97 00	1,067	0 00	0
Reinforced Concrete - Holding Tanks	CY	177	60 00	10,620	97 00	17,169	0 00	0
Culvert/Basin - Reinforced Concrete	CY	109	60 00	6,540	97 00	10,573	0 00	0
Misc Steel - Grating	TN	6	326 60	1,960	0 00	0	40 00	240
Precast Concrete - Manholes	CY	17	24 00	408	97 00	1,649	0 00	0
2 5"-3" CI Pipe	TN	2	151 80	304	0 00	0	40 00	80
Light Pole Foundation - Reinforced Concrete	CY	125	60 00	7,500	97 00	12,125	0 00	0
Fire Water Tank (A)	TN	115	202 40	23,276	0 00	0	40 00	4,600
Vehicle Protection Posts	CY	7	24 00	168	97 00	679	0 00	0
Thrusts Blocks - Reinforced Concrete	CY	309	60 00	18,540	97.00	29,973	0.00	0
6"-8" DI Pipe Fire	TN	1	151 80	152	0 00	0	40 00	40
10"-14" DI Pipe, Fire	TN	1	151 80	152	0 00	0	40 00	40
6"-8" HD Poly Fire Line	TN	39	151 80	5,920	0 00	0	40 00	1,560
10"-14" HD Poly Fire Line	TN	97	151 80	14,725	0 00	0	40 00	3,880
Valve,6",8",12"Fire	TN	246	151.80	37,343	0 00	0	40 00	9,840
10" - 14" Carbon Steel Pipe Above Ground	TN	8	202 40	1,619	0.00	0	40 00	320
Hydrant - 6"- EA.Fire Protectio.	TN	6	202.40	1,214	0.00	0	40 00	240
PB Slab On Grade - Reinforced Concrete	CY	1,231	60 00	73,860	97 00	119,407	0 00	0
PB Misc SOG Pads - Reinforced Conc	CY	10	60 00	600	97 00	970	0 00	0
4" CI Pipe	TN	8	151 80	1,214	0 00	0	40.00	320
6"-8" CI Pipe	TN	4	151 80	607	0 00	0	40 00	160
4" Fiberglass Pipe Underground	CY	7	24 00	168	97 00	679	0 00	0
6"-8" PVC Pipe	CY	24	24 00	576	97 00	2,328	0 00	0

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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
Rip Rap,Fabric,Sandbags	CY	385	24 00	9,240	97 00	37,345	0 00	0
Reinforced Concrete - Slab on Grade	CY	756	60 00	45,360	97 00	73,332	0 00	0
Reinforced Concrete - Other	CY	172	60 00	10,320	97 00	16,684	0 00	0
Reinforced Concrete - Elevated Slabs	CY	604	60 00	36,240	97 00	58,588	0 00	0
Reinforced Concrete - Walls	CY	73	60 00	4,380	97 00	7,081	0 00	0
CTB - Structural Steel	TN	1,342	151 80	203,716	0 00	0	40 00	53,680
CTB - Miscellaneous Steel	TN	76	326 60	24,822	0 00	0	40 00	3,040
Structural Steel - Bldg Girts/Wall Framing	TN	174	151 80	26,413	0 00	0	40 00	6,960
Architectural Features - Block Work	CY	102	24 00	2,448	97 00	9,894	0 00	0
CTB - Roll Up Doors	TN	1	202.40	202	0 00	0	40 00	40
Metal Decking - Elevated Slabs	TN	27	202.40	5,465	0 00	0	40.00	1,080
Architectural Features - Roof Decking	CY	461	24 00	11,064	97 00	44,717	0 00	0
Floor Drainage Trench	CY	13	24 00	312	97 00	1,261	0 00	0
Reinforced Concrete - Foundations	CY	54	60 00	3,240	97 00	5,238	0 00	0
Misc Steel - Duct Supports	TN	74	151 80	11,233	0 00	0	40 00	2,960
Misc Cranes & Hoists	TN	40	151.80	6,072	0 00	0	40 00	1,600
Reinforced Concrete - Pile Caps & Tie Beams	CY	879	60 00	52,740	97 00	85,263	0 00	0
Reinforced Concrete - Piers, Pads, Curbs, etc	CY	68	60 00	4,080	97 00	6,596	0 00	0
Intake Structure Hoist	TN	5	151 80	759	0 00	0	40 00	200
Reinforced Concrete - Other	CY	2	60 00	120	97 00	194	0 00	0
Handrail/Check Plate	TN	2	326 60	653	0 00	0	40 00	80
20" - 30" Fiberglass Pipe Above Ground	CY	176	24 00	4,224	97 00	17,072	0 00	0
Intake/Open Cooling Pump	TN	24	151 80	3,643	0 00	0	40 00	960
10" - 14" Fiberglass Pipe Above Ground	CY	2	24 00	48	97 00	194	0 00	0
WT Pits Pumps	TN	6	202 40	1,214	0 00	0	40 00	240
Reinforced Concrete - Pits, Sumps& Ramps	CY	78	60 00	4,680	97.00	7,566	0 00	0
Reinforced Concrete - Pits, Sumps & Ramps	CY	114	60 00	6,840	97 00	11,058	0 00	0
36" Fiberglass Pipe	CY	15	24 00	360	97 00	1,455	0 00	0
OW Pit Pumps	TN	4	202 40	810	0.00	0	40 00	160
2"< PVC Pipe	CY	3	24 00	72	97 00	291	0 00	0
2 5"-3" PVC Pipe	CY	2	24 00	48	97 00	194	0 00	0
4" PVC Pipe Potable Water	CY	2	24 00	48	97 00	194	0 00	0
6"-8" Potable Water - PVC	CY	33	24.00	792	97 00	3,201	0 00	0
Valve, Manual, Potable	TN	2	202.40	405	0 00	0	40 00	80
Service Water Tank	TN	115	202 40	23,276	0 00	0	40 00	4,600
Reinforced Concrete - Utility Rack Foundations	CY	657	60 00	39,420	97 00	63,729	0 00	0
Reinforced Concrete - Other	CY	21	60 00	1,260	97 00	2,037	0 00	0
Reinforced Concrete - Other	CY	16	60 00	960	97 00	1,552	0 00	0
Precast Concrete - Other	CY	3	24 00	72	97 00	291	0 00	0
Precast Concrete - Other	CY	3	24 00	72	97 00	291	0 00	0
Utility Rack- Structural Steel	TN	463	151 80	70,283	0 00	0	40 00	18,520
Utility Rack Miscellaneous Steel	TN	26	326 60	8,492	0 00	0	40 00	1,040
Utility Rack - Grating	TN	29	326 60	9,471	0.00	0	40 00	1,160
Reinforced Concrete - Other	CY	6	60 00	360	97 00	582	0 00	0
EP Misc & Structural Steel	TN	26	151 80	3,947	0.00	0	40.00	1,040
Misc Steel - Boiler Cavity	TN	31	326 60	10,125	0 00	0	40 00	1,240
Architectural Features - Block Work	CY	9	24 00	216	97.00	873	0 00	0
Reinforced Concrete - Piers, Pads, Curbs, etc	CY	12	60 00	720	97 00	1,164	0 00	0
Reinforced Concrete - Elevated Slabs	CY	315	60 00	18,900	97 00	30,555	0.00	0
Reinforced Concrete - Slab On Grade	CY	493	60 00	29,580	97 00	47,821	0 00	0
Reinforced Concrete - Walls	CY	90	60 00	5,400	97 00	8,730	0 00	0
Structural Steel - Control Building	TN	433	151.80	65,729	0.00	0	40 00	17,320
CB - Miscellaneous Steel	TN	25	326 60	8,165	0 00	0	40.00	1,000
Structural Steel - Bldg Girters/Wall Framing	TN	30	326.60	9,798	0 00	0	40 00	1,200
Architectural Features - Block Work	CY	387	24 00	9,288	97 00	37,539	0 00	0
CB - Interior Finishes	CY	120	24 00	2,880	97 00	11,640	0 00	0
Metal Decking - Elevated Slabs	TN	17	202 40	3,441	0 00	0	40 00	680
Architectural Features -Roof Decking	CY	119	24 00	2,856	97 00	11,543	0 00	0

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Reinforced Concrete - Pile Caps & Tie Beams	CY	336	60 00	20,160	97 00	32,592	0 00	0
Account 341 Totals				1,163,502		1,019,664		143,280
Account 342: Fuel Holders, Producers, and Accessories								
Firewalls	CY	122 5	24 00	2,940	97 00	11,883	0 00	0
Cooling Water Heat Exchangers	TN	5 3	202 40	1,073	0 00	0	40 00	212
L P. Heater Drain Pump	TN	2 3	202 40	466	0 00	0	40 00	92
Well Cooling Water Pump	TN	1 45	202 40	293	0 00	0	40 00	58
Boiler Fill and Wash Pump	TN	1	202.40	202	0 00	0	40 00	40
Boiler Feed Pumps	TN	33 75	202.40	6,831	0 00	0	40 00	1,350
Concrete	CY	65	60 00	3,900	97 00	6,305	0 00	0
Condensate Storage Tank & Equipment	TN	19	202 40	3,846	0 00	0	40 00	760
Condensate Storage Tank foundation	CY	5 9	60 00	354	97 00	572	0 00	0
Piping	TN	200 8	202 40	40,642	0 00	0	40 00	8,032
Pipe Insulation	CY	229	46 00	10,534	8 00	1,832	0 00	0
Miscellaneous Steel & Equipment	TN	118	326.60	38,539	0 00	0	40 00	4,720
Trenwa	TN	106	202 40	21,454	0 00	0	40 00	4,240
20" - 24" CS Pipe	TN	43	202.40	8,703	0 00	0	40 00	1,720
20"-24" CS Pipe, Gas	TN	17	202 40	3,441	0 00	0	40 00	680
10" - 14" CS Pipe Above Ground	TN	9	202 40	1,822	0 00	0	40 00	360
Reinforced Concrete - Pits, Sumps & Ramps	CY	74	60 00	4,440	97 00	7,178	0 00	0
F O System - Reinforced Concrete	CY	28	60 00	1,680	97 00	2,716	0 00	0
Fuel Oil Line Encasement	CY	100	46 00	4,600	8 00	800	0 00	0
10" - 14" CS Pipe Above Ground	TN	12	151 80	1,822	0 00	0	40 00	480
4" CS Pipe, Gas	TN	3	151 80	455	0 00	0	40 00	120
6"-8" CS Pipe, Gas	TN	13	151 80	1,973	0 00	0	40 00	520
Reinforced Concrete - Foundations	CY	132	60 00	7,920	97 00	12,804	0 00	0
Fuel Treatment\Additive Tank	TN	8	202 40	1,619	0 00	0	40 00	320
Reinforced Concrete - Foundations	CY	39	60 00	2,340	97 00	3,783	0 00	0
Account 342 Totals				171,889		47,873		23,704
Account 343: Prime Movers								
Reinforced Concrete - Pile Caps & Tie Beams	CY	845	60 00	50,700	97 00	81,965	0 00	0
Reinforced Concrete - Piers, Pads, Curbs, etc	CY	181	60 00	10,860	97 00	17,557	0 00	0
Reinforced Concrete - Pits, Sumps & Ramps	CY	105	60 00	6,300	97 00	10,185	0 00	0
HRSG 4A - Base Plates	TN	20	202 40	4,048	0 00	0	40.00	800
HRSG 4B - Base Plates	TN	25	202 40	5,060	0 00	0	40 00	1,000
HRSG 4A - Top Casing & Roof Steel	TN	8	202 40	1,619	0 00	0	40 00	320
HRSG 4B - Top Casing & Roof Steel	TN	8	202 40	1,619	0 00	0	40 00	320
HRSG 4 Diffusers	TN	7	202 40	1,417	0 00	0	40 00	280
HRSG 4A - Inlet BD & SCR DT	TN	121	326 60	39,519	0 00	0	40 00	4,840
HRSG 4A - Inlet BD & SCR DT	TN	121	326 60	39,519	0 00	0	40 00	4,840
HRSG 4A - Miscellaneous Platforms & Stairs	TN	3	326 60	980	0 00	0	40 00	120
HRSG 4B - Miscellaneous Platforms & Stairs	TN	3	326 60	980	0 00	0	40 00	120
HRSG 4 Small Bore Pipe	TN	25	210 00	5,250	0.00	0	40 00	1,000
HRSG 4A - SM Pipe,Supports,Valves	TN	8	202 40	1,619	0 00	0	40 00	320
HRSG 4B - SM Pipe,Supports,Valves	TN	8	202 40	1,619	0 00	0	40 00	320
HRSG 4A - Silencers & Supports	TN	8	151 80	1,214	0 00	0	40 00	320
HRSG 4B - Silencers & Supports	TN	8	151 80	1,214	0 00	0	40 00	320
HRSG 4 Large Bore Pipe	TN	50	151 80	7,590	0 00	0	40 00	2,000
HRSG 4A - Large, Supports, Valves	TN	13	151 80	1,973	0 00	0	40 00	520
Interconnecting Large Pipe, Supports,Valves 4A	TN	8	151.80	1,214	0.00	0	40.00	320
Interconnecting Large Pipe, Supports,Valves 4A	TN	8	151 80	1,214	0.00	0	40 00	320
HRSG 4B - Large Pipe, Supports,Valves	TN	8	151 80	1,214	0 00	0	40 00	320
HRSG 4B - Large Pipe, Supports,Valves	TN	50	151 80	7,590	0.00	0	40 00	2,000
HRSG 4A - Modules	TN	1,632	115 00	187,680	0 00	0	40 00	65,280
HRSG 4B - Modules	TN	1,632	115 00	187,680	0 00	0	40 00	65,280
HRSG 4A - Instrumentation	TN	8	151 80	1,214	0 00	0	40 00	320

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HRSG 4B - Instrumentation	TN	8	151 80	1,214	0 00	0	40 00	320
HRSG 4A - HP Drum,Tubes, Downcomers	TN	127	151 80	19,279	0 00	0	40 00	5,080
HRSG 4B - HP Drum,Tubes, Downcomers	TN	127	151 80	19,279	0 00	0	40.00	5,080
HRSG 4A - IP Drum,Tubes, Downcomers	TN	16	151 80	2,429	0 00	0	40.00	640
HRSG 4B - IP Drum,Tubes, Downcomers	TN	16	151 80	2,429	0 00	0	40 00	640
HRSG 4A - LP Drum,Tubes, Downcomers	TN	7	151 80	1,063	0 00	0	40 00	280
HRSG 4B - LP Drum,Tubes, Downcomers	TN	7	151 80	1,063	0 00	0	40 00	280
Hangers & Supports <= 4"	TN	3	202 40	607	0 00	0	40 00	120
2 5" - 4" CS Pipe Above Ground	TN	18	151 80	2,732	0 00	0	40 00	720
Hangers & Supports - LB	TN	42	151 80	6,376	0 00	0	40 00	1,680
6" - 8" CS Pipe Above Ground	TN	73	151.80	11,081	0 00	0	40 00	2,920
10" - 14" CS Pipe Above Ground	TN	127	151.80	19,279	0 00	0	40 00	5,080
6" - 8" CM Pipe Above Ground	TN	6	151 80	911	0 00	0	40 00	240
HRSG Feed Pumps	TN	6	202 40	1,214	0 00	0	40 00	240
Reinforced Concrete - Foundations	CY	22	60 00	1,320	97 00	2,134	0 00	0
Instrument Tubing & Sensing	TN	4	326 60	1,306	0 00	0	40 00	160
CT 4A	TN	506	87 50	44,275	0 00	0	40 00	20,240
CT 4B	TN	506	87 50	44,275	0 00	0	40 00	20,240
Diffuser Enclosure - HRSG 4A	TN	4	326 60	1,306	0 00	0	40 00	160
Diffuser Enclosure - HRSG 4B	TN	4	326.60	1,306	0 00	0	40 00	160
CT 4A - Interconnect Pipe	TN	8	202 40	1,619	0 00	0	40 00	320
CT 4B - Interconnect Pipe	TN	8	202 40	1,619	0 00	0	40 00	320
20" - 30" CS Pipe Above Ground	TN	1	151 80	152	0 00	0	40 00	40
Instrument Main Steam Piping	TN	3	151 80	455	0 00	0	40 00	120
2" & Uunder CM Pipe Above Ground	TN	14	151 80	2,125	0 00	0	40 00	560
2.5" - 4" CM Pipe Above Ground	TN	2	151 80	304	0 00	0	40.00	80
10" - 14" CS Pipe Above Ground	TN	18	151 80	2,732	0 00	0	40 00	720
10" - 14" CM Pipe Above Ground	TN	30	151 80	4,554	0 00	0	40 00	1,200
16" - 18" CM Pipe Above Ground	TN	151	151 80	22,922	0 00	0	40 00	6,040
HRGS Blowdown Tank	TN	7	151 80	1,063	0 00	0	40 00	280
Reinforced Concrete - Pits, Sumps & Ramps	CY	131	60 00	7,860	97 00	12,707	0 00	0
20" - 30" CS Pipe Above Ground	TN	76	151.80	11,537	0 00	0	40 00	3,040
20" - 30" CM Pipe Above Ground	TN	169	151 80	25,654	0 00	0	40 00	6,760
U4 Steam Turbine Equipment	TN	20	151 80	3,036	0 00	0	40 00	800
U4 Steam Turbine Piping	TN	13	151 80	1,973	0 00	0	40 00	520
Reinforced Concrete - Foundations	CY	30	60 00	1,800	97 00	2,910	0 00	0
Condensate Tanks	TN	53	202 40	10,727	0 00	0	40 00	2,120
Insulation	CY	400	46 00	18,400	17 00	6,800	0 00	0
Reinforced Concrete - Foundations	CY	15	60 00	900	97 00	1,455	0 00	0
Architectural Features - Roof Decking	CY	7	60 00	420	97 00	679	0 00	0
Condenser Vacuum Pump	TN	4	202 40	810	0 00	0	40 00	160
Reinforced Concrete - Foundations	CY	40	60 00	2,400	97 00	3,880	0 00	0
Concrete - Stack Foundations	CY	345	60 00	20,700	97 00	33,465	0 00	0
Lube Oil Pit - Reinforced Concrete	CY	100	60 00	6,000	97 00	9,700	0 00	0
CT Lube Oil Pit - Grating	TN	1	326.60	327	0 00	0	40 00	40
L O Storage & Transfer - Grating	TN	3	326 60	980	0.00	0	40 00	120
2" & Uunder Stainless Steel Pipe Above Ground	TN	10	326 60	3,266	0 00	0	340 00	3,400
2 5" - 4" SS Pipe Above Ground	TN	3	326 60	980	0 00	0	340 00	1,020
CT 4A - Mechanical/Electrical Pkgs	TN	55	202.40	11,132	0 00	0	40 00	2,200
CT 4B - Mechanical/Electrical Pkgs	TN	55	202 40	11,132	0 00	0	40 00	2,200
6" - 8" SS Pipe Above Ground	TN	15	326.60	4,899	0 00	0	340 00	5,100
10" - 14" SS Pipe Above Ground	TN	3	326.60	980	0.00	0	340.00	1,020
CTB Bridge Crane	TN	88	151.80	13,358	0 00	0	40 00	3,520
Reinforced Concrete - Inlet Air Duct Foundations	CY	698	60 00	41,880	97 00	67,706	0 00	0
CT 4A - Ductwork	TN	33	202 40	6,679	0 00	0	40.00	1,320
CT 4B - Ductwork	TN	33	202.40	6,679	0 00	0	40 00	1,320
HRSG 4A - Duct	TN	5	202 40	1,012	0 00	0	40 00	200
HRSG 4A - Stack	TN	264	202 40	53,434	0 00	0	40 00	10,560

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HRSG Unit 4 Stacks	CY	200	60.00	12,000	97 00	19,400	0 00	0
HRSG 4B - Stack	TN	264	202 40	53,434	0 00	0	40 00	10,560
HRSG 4B - Duct	TN	5	202 40	1,012	0 00	0	40 00	200
Reinforced Concrete - Foundations	CY	25	60 00	1,500	97 00	2,425	0 00	0
Reinforced Concrete - Other	CY	18	60 00	1,080	97 00	1,746	0 00	0
Cooling Water Heat Exchanger Shell	TN	22	202 40	4,453	0 00	0	40 00	880
16" - 18" CS Pipe Above Ground	TN	58	202 40	11,739	0.00	0	40.00	2,320
Closed Cooling H20 Pumps	TN	3	202 40	607	0 00	0	40 00	120
Account 343 Totals				1,145,977		274,714		284,740
Account 344: Generators								
Pedestal Concrete	CY	614	60 00	36,840	97 00	59,558	0 00	0
Exciter	TN	15	151 80	2,277	0 00	0	40 00	600
Turbo-Generator Unit	TN	508	115 00	58,420	0 00	0	40 00	20,320
Turbine Piping	TN	207	151 80	31,423	0 00	0	40 00	8,280
Turbine Insulation	CY	495	46 00	22,770	8 00	3,960	0 00	0
Turbine Copper	TN	46	450 80	20,737	0 00	0	1,000 00	46,000
Condenser Shell	TN	285	151 80	43,263	0 00	0	40 00	11,400
Condenser Tubes	TN	85 5	450 80	38,543	0 00	0	40 00	3,420
Circulating Water Pumps	TN	59	151 80	8,956	0 00	0	40 00	2,360
Condensate Pumps and Ejectors	TN	16	202 40	3,238	0 00	0	40 00	640
Concrete Foundations	CY	5 9	60.00	354	97 00	572	0 00	0
Miscellaneous Steel & Equipment	TN	32 4	326 60	10,582	0 00	0	40 00	1,296
Reinforced Concrete - Pedestal Basemat	CY	1,077	60 00	64,620	97 00	104,469	0 00	0
Reinforced Concrete - Pedestal Columns	CY	338	60 00	20,280	97.00	32,786	0 00	0
Reinforced Concrete - Pedestal Top Deck	CY	1,104	60 00	66,240	97.00	107,088	0 00	0
Hydrogen Supply Tank	TN	5	202 40	1,012	0.00	0	40 00	200
Control Board	CY	13	24 00	312	97 00	1,261	0 00	0
Account 344 Totals				429,867		309,694		94,516
Account 345: Accessory Electric Equipment								
Equipment Foundations	CY	46 5	60 00	2,790	97 00	4,511	0 00	0
Structures & Supports	CY	20 97	60 00	1,258	97 00	2,034	0 00	0
Concrete	CY	46 4	60 00	2,784	97 00	4,501	0 00	0
Service Transformer - High & Low Voltage	TN	8	202 40	1,619	0 00	0	40 00	320
Startup Transformer	TN	9	202 40	1,822	0 00	0	40 00	360
Storage Batteries & Equipment	TN	45	202 40	9,108	0 00	0	40 00	1,800
Concrete Conduit & Ducts	CY	840	60 00	50,400	97 00	81,480	0 00	0
Cable Trays	TN	4 2	326 60	1,372	0 00	0	40 00	168
Power & Control Wiring	TN	52 5	552 00	28,980	0 00	0	700 00	36,750
Generator Leads	TN	16	552.00	8,832	0 00	0	700 00	11,200
Instrument Transformers	TN	1 8	202 40	364	0 00	0	40 00	72
2400v Switchgear	TN	18	202.40	3,643	0.00	0	40 00	720
480v Switchgear	TN	15	202 40	3,036	0 00	0	40 00	600
Transformer Copper	TN	21	340.40	7,053	0 00	0	1,000.00	20,720
Reinforced Concrete - Walls	CY	21	60 00	1,260	97 00	2,037	0 00	0
Reinforced Concrete - Foundations	CY	88	60 00	5,280	97 00	8,536	0 00	0
Reinforced Concrete - Piers, Pads, Curbs, etc	CY	28	60 00	1,680	97 00	2,716	0 00	0
Isophase Bus & AS - Excitation Transformer	TN	8	202 40	1,619	0 00	0	40 00	320
DC&AC Equipment - Charger/Panel	TN	3	202 40	607	0 00	0	40 00	120
Reinforced Concrete - Foundations	CY	60	60 00	3,600	97 00	5,820	0 00	0
Reinforced Concrete - Piers, Pads, Curbs, etc.	CY	13	60.00	780	97.00	1,261	0.00	0
Reinforced Concrete - Walls	CY	35	60 00	2,100	97 00	3,395	0 00	0
Isophase Bus & AS -Auxiliary Power Transformer	TN	10	202 40	2,024	0 00	0	40 00	400
Reinforced Concrete - Foundations	CY	65	60 00	3,900	97.00	6,305	0.00	0
Reinforced Concrete - Walls	CY	26	60 00	1,560	97 00	2,522	0 00	0
Reinforced Concrete - Piers, Pads, Curbs, etc	CY	10	60 00	600	97.00	970	0 00	0
Isophase Bus & AS - Start-up Transformer	TN	8	202 40	1,619	0.00	0	40 00	320

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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
DC&AC Equipment - Charger/Panel	TN	2	202 40	405	0 00	0	40 00	80
DC&AC Equipment - Charger/Panel	TN	1	202 40	202	0 00	0	40 00	40
Ground Cable	TN	7	552.00	3,864	0 00	0	40 00	280
Ground Cable	TN	10	552 00	5,520	0 00	0	40 00	400
Cathodic Protection	TN	1	326 60	327	0 00	0	40 00	40
Conduit 2 5" or > RGS	TN	93	326 60	30,374	0 00	0	40 00	3,720
Conduit 2" Or < RGS	TN	173	326 60	56,502	0 00	0	40 00	6,920
Pull Boxes (all)	TN	4	202 40	810	0 00	0	40 00	160
Unscheduled Conduit	TN	18	326 60	5,879	0 00	0	40 00	720
Cable Tray	TN	174	326.60	56,828	0 00	0	40 00	6,960
Pre-Cast Electric Manhole	CY	136	24.00	3,264	97 00	13,192	0 00	0
Other Wire & Cable - Grounding	TN	6	552.00	3,312	0 00	0	700 00	4,200
Conduit 2"Or> Duct Bank (PVC)	TN	1	326 60	327	0 00	0	40 00	40
Isophase Bus & AS - Isophase Bus,18KV 4A	TN	1	326 60	327	0 00	0	40 00	40
Isophase Bus Duct	TN	2	326 60	653	0 00	0	40 00	80
Isophase Bus 18KV 4B	TN	1	326.60	327	0 00	0	40 00	40
Isophase Bus & AS - Non-Seg & D C Bus	TN	1	326 60	327	0 00	0	40 00	40
Isophase Bus & AS - PT & Surge Cubicle	TN	2	326 60	653	0 00	0	40 00	80
Isophase Bus & AS - Generator Bus Grdg T/F	TN	5	326 60	1,633	0 00	0	40 00	200
Reinforced Concrete - Foundations	CY	55	60 00	3,300	97 00	5,335	0 00	0
Reinforced Concrete - Piers, Pads, Curbs, etc	CY	9	60 00	540	97 00	873	0 00	0
Relay Racks w/Wire, Tube	TN	3	202 40	607	0 00	0	1,000 00	3,000
4KV & > Cable (PWR)	TN	61	552 00	33,672	0 00	0	700 00	42,700
Instrument Cable	TN	13	552 00	7,176	0 00	0	700 00	9,100
Unscheduled Cable	TN	5	552 00	2,760	0 00	0	600 00	3,000
Load Center, Bus, Switchgear	TN	28	326 60	9,145	0 00	0	40 00	1,120
MCC & LowVolt - MCC Switchgear Section	TN	10	326 60	3,266	0 00	0	40 00	400
#6 & > Cable (PWR)	TN	15	552 00	8,280	0 00	0	700 00	10,500
#8 & < Cable (PWR)	TN	4	552 00	2,208	0 00	0	700 00	2,800
Control Cable	TN	25	552 00	13,800	0 00	0	700 00	17,500
Reinforced Concrete - Foundations	CY	129	60 00	7,740	97.00	12,513	0 00	0
Concrete	CY	100	24.00	2,400	97 00	9,700	0 00	0
Cooling System	CY	68	24 00	1,632	97 00	6,596	0 00	0
Wire 4/0 Or > (PWR)	TN	1	552 00	552	0 00	0	700 00	700
Wire 4/0 OR > (PWR)	TN	0	552 00	0	0 00	0	700 00	0
Transformer	TN	15	151.80	2,277	0 00	0	40 00	600
Account 345 Totals				420,578		174,296		189,330
Account 346: Miscellaneous Power Plant Equipment								
2" & < CS Pipe Above Ground	TN	39	202 40	7,894	0 00	0	40 00	1,560
Reinforced Concrete - Foundations	CY	257	60 00	15,420	97 00	24,929	0 00	0
Instrument Air Tank	TN	3	151 80	455	0 00	0	40 00	120
Instrument Air Compressor	TN	5	151 80	759	0 00	0	40 00	200
Instrument Air Dryer	TN	1	151 80	152	0 00	0	40 00	40
Account 346 Totals				24,680		24,929		1,920
Total Unit 4				3,356,493		1,851,170		737,490
Unit 5								
Account 341: Structures & Improvements								
Intake Structure	CY	1238	60 00	74,280	97 00	120,086	0 00	0
Grills, Screens & Hoists	TN	22	326.60	7,185	0.00	0	40 00	880
Intake Conduit	CY	627	60.00	37,620	97 00	60,819	0 00	0
Reinforced Concrete - Other	CY	58	60 00	3,480	97 00	5,626	0 00	0
Reinforced Concrete - Foundations	CY	57	60 00	3,420	97 00	5,529	0 00	0

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Concrete - Piers, Pads, Curbs, etc	CY	31	24.00	744	97 00	3,007	0 00	0
Intake Structure Hoist	TN	5	202 40	1,012	0.00	0	40 00	200
20" - 30" Fiberglass Pipe Above Ground	CY	157	24.00	3,768	97 00	15,229	0 00	0
Intake/Open Cooling Pump	TN	24	151 80	3,643	0 00	0	40 00	960
Reinforced Concrete - Pits, Sumps & Ramps	CY	64	60 00	3,840	97 00	6,208	0 00	0
Reinforced Concrete - Utility Rack Foundations	CY	532	60.00	31,920	97 00	51,604	0 00	0
Reinforced Concrete - Other	CY	7	60 00	420	97 00	679	0 00	0
Utility Rack - Structural Steel	TN	231	202 40	46,754	0 00	0	40 00	9,240
Utility Rack - Miscellaneous Steel	TN	13	326 60	4,246	0.00	0	40 00	520
Utility Racks Grating	TN	24	326 60	7,838	0 00	0	40 00	960
Account 341 Totals				230,171		268,787		12,760
Account 342: Fuel Holders, Producers, and Accessories								
Firewalls	CY	122 5	24 00	2,940	97 00	11,883	0 00	0
Cooling Water Heat Exchangers	TN	5 3	202 40	1,073	0 00	0	40 00	212
L.P Heater Drain Pump	TN	2 3	202 40	466	0 00	0	40 00	92
Well Cooling Water Pump	TN	1 45	202 40	293	0 00	0	40 00	58
Boiler Fill and Wash Pump	TN	1	202 40	202	0 00	0	40.00	40
Boiler Feed Pumps	TN	33 75	202 40	6,831	0 00	0	40 00	1,350
Concrete	CY	65	60 00	3,900	97.00	6,305	0 00	0
Condensate Storage Tank & Equipment	TN	19	202 40	3,846	0 00	0	40 00	760
Condensate Storage Tank foundation	CY	5 9	60 00	354	97.00	572	0.00	0
Piping	TN	200 8	202 40	40,642	0 00	0	40 00	8,032
Pipe Insulation	CY	229	46 00	10,534	8 00	1,832	0 00	0
Miscellaneous Steel & Equipment	TN	118	326 60	38,539	0.00	0	40 00	4,720
10" - 14" CS Pipe - Above Ground	TN	5	151 80	759	0 00	0	40 00	200
Fuel Oil\Gas Pump	TN	3	151 80	455	0 00	0	40 00	120
Reinforced Concrete - Foundations	CY	47	60 00	2,820	97 00	4,559	0 00	0
Account 342 Totals				113,654		25,151		15,584
Account 343: Prime Movers								
Concrete - Piers, Pads, Curbs, etc	CY	182	24.00	4,368	97 00	17,654	0 00	0
Reinforced Concrete - Pits, Sumps & Ramps	CY	101	60 00	6,060	97 00	9,797	0 00	0
HRSG 5A - Base Plates	TN	20	115 00	2,300	0 00	0	40 00	800
HRSG 5B - Base Plates	TN	20	115 00	2,300	0 00	0	40 00	800
HRSG 5A - Top Casing & Roof Steel	TN	8	202 40	1,619	0 00	0	40 00	320
HRSG 5B - Top Casing & Roof Steel	TN	8	202 40	1,619	0 00	0	40 00	320
HRSG 5 Diffusers	TN	7	202 40	1,417	0 00	0	40 00	280
HRSG 5A - Inlet Board & SCR DT	TN	121	151.80	18,368	0 00	0	40 00	4,840
HRSG 5B - Inlet Board & SCR DT	TN	121	151 80	18,368	0 00	0	40 00	4,840
HRSG 5A - Miscellaneous Platforms & Stairs	TN	3	326 60	980	0 00	0	40 00	120
HRSG 5B - Miscellaneous Platforms & Stairs	TN	3	326 60	980	0 00	0	40 00	120
HRSG 5 Small Bore Pipe	TN	25	202 40	5,060	0 00	0	40 00	1,000
HRSG 5A - Small Bore Pipe, Supports, Valves	TN	8	202.40	1,619	0 00	0	40 00	320
HRSG 5B - Small Bore Pipe, Supports, Valves	TN	8	202.40	1,619	0.00	0	40 00	320
HRSG 5A - Silencers & Supports	TN	8	202.40	1,619	0.00	0	40.00	320
HRSG 5A - Silencers & Supports	TN	8	202 40	1,619	0 00	0	40 00	320
HRSG 5A - Modules	TN	1,632	115 00	187,680	0 00	0	40 00	65,280
HRSG 5B - Modules	TN	1,632	115 00	187,680	0 00	0	40 00	65,280
HRSG 5 Large Bore Pipe	TN	50	151 80	7,590	0 00	0	40 00	2,000
HRSG 5A - Large Bore Pipe, Supports, Valves	TN	8	151 80	1,214	0 00	0	40 00	320
HRSG 5B - Large Bore Pipe, Supports, Valves	TN	8	151.80	1,214	0.00	0	40.00	320
HRSG 5A -Instrumentation	TN	8	151 80	1,214	0 00	0	40 00	320
HRSG 5B -Instrumentation	TN	8	151 80	1,214	0 00	0	40.00	320
HRSG 5A - HP Drum,Tubes, Downcomers	TN	127	151 80	19,279	0 00	0	40.00	5,080
HRSG 5B - HP Drum,Tubes, Downcomers	TN	127	151 80	19,279	0.00	0	40.00	5,080
HRSG 5A - IP Drum,Tubes, Downcomers	TN	16	151 80	2,429	0 00	0	40.00	640
HRSG 5B - IP Drum,Tubes, Downcomers	TN	16	151 80	2,429	0 00	0	40 00	640

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HRSG 5A - LP Drum,Tubes, Downcomers	TN	7	151.80	1,063	0.00	0	40 00	280
HRSG 5B - LP Drum,Tubes, Downcomers	TN	7	151 80	1,063	0 00	0	40 00	280
Hangers & Supports <= 4"	TN	3	151 80	455	0 00	0	40 00	120
2.5" - 4" CS Pipe Above Ground	TN	15	326 60	4,899	0 00	0	40.00	600
Hangers & Supports - Large Bore	TN	25	151.80	3,795	0 00	0	40.00	1,000
6" - 8" CS Pipe Above Ground	TN	42	202 40	8,501	0 00	0	40 00	1,680
6" - 8" CS Pipe Above Ground	TN	3	202 40	607	0 00	0	40.00	120
10" - 14" CS Pipe Above Ground	TN	63	151 80	9,563	0 00	0	40 00	2,520
10" - 14" CS Pipe Above Ground	TN	4	151.80	607	0 00	0	40 00	160
6" - 8" CM Pipe Above Ground	TN	6	202 40	1,214	0 00	0	40.00	240
HRSG Feed Pumps	TN	6	151 80	911	0 00	0	40 00	240
Reinforced Concrete - Foundations	CY	20	60 00	1,200	97 00	1,940	0.00	0
Instrument Tubing & Sensing	TN	4	326 60	1,306	0.00	0	40 00	160
CT 5A	TN	506	115 00	58,190	0 00	0	40 00	20,240
CT 5B	TN	506	115 00	58,190	0 00	0	40 00	20,240
Diffuser Enclosure - HRSG 5A	TN	4	326 60	1,306	0 00	0	40 00	160
Diffuser Enclosure - HRSG 5B	TN	4	326 60	1,306	0.00	0	40 00	160
CT 5A - Interconnect Pipe	TN	8	202 40	1,619	0 00	0	40 00	320
CT 5B - Interconnect Pipe	TN	8	202 40	1,619	0 00	0	40 00	320
15" - 18" CS Pipe Above Ground	TN	3	151 80	455	0 00	0	40 00	120
20" - 30" CS Pipe Above Ground	TN	2	151 80	304	0 00	0	40 00	80
Instrument Main Steam Piping	TN	3	151.80	455	0 00	0	40.00	120
2" & Under CM Pipe Above Ground	TN	11	202 40	2,226	0 00	0	40 00	440
2 5" - 4" CM Pipe Above Ground	TN	2	202 40	405	0 00	0	40 00	80
Hangers & Supports - Large Bore	TN	1	202 40	202	0.00	0	40 00	40
10" - 14" CS Pipe Above Ground	TN	15	151 80	2,277	0 00	0	40 00	600
10" - 14" CM Pipe Above Ground	TN	28	151 80	4,250	0 00	0	40 00	1,120
16" - 18" CM Pipe Above Ground	TN	113	151 80	17,153	0.00	0	40.00	4,520
HRGS Blowdown Tank	TN	7	151 80	1,063	0 00	0	40 00	280
Reinforced Concrete - Pits, Sumps & Ramps	CY	130	60.00	7,800	97 00	12,610	0.00	0
20" - 30" CS Pipe Above Ground	TN	41	151.80	6,224	0 00	0	40 00	1,640
20" - 30" CM Pipe Above Ground	TN	128	151 80	19,430	0 00	0	40 00	5,120
U5 Steam Turbine Equipment	TN	15	151 80	2,277	0 00	0	40 00	600
U5 Steam Turbine Piping	TN	21	151 80	3,188	0.00	0	40 00	840
Reinforced Concrete - Foundations	CY	30	60 00	1,800	97 00	2,910	0 00	0
Condenser Vacuum Pump	TN	4	202 40	810	0 00	0	40 00	160
Reinforced Concrete - Foundations	CY	40	60 00	2,400	97 00	3,880	0 00	0
Reinforced Concrete - Stack Foundations	CY	359	60 00	21,540	97 00	34,823	0 00	0
2" & UnderStainless Steel Pipe Above Ground	TN	7	202 40	1,417	0 00	0	340 00	2,380
2 5" - 4" Stainless Steel Pipe Above Ground	TN	4	202 40	810	0 00	0	340 00	1,360
CT 5A - Mechanical/Electrical Packages	TN	55	202 40	11,132	0 00	0	40 00	2,200
CT 5B - Mech/Elect Pkgs	TN	55	202 40	11,132	0 00	0	40 00	2,200
6" - 8" SS Pipe Above Ground	TN	15	151 80	2,277	0 00	0	340 00	5,100
10" - 14" SS Pipe Above Ground	TN	3	151 80	455	0 00	0	340 00	1,020
Reinforced Concrete - Inlet Air Duct Founds.	CY	463	60.00	27,780	97.00	44,911	0 00	0
CT 5A - Ductwork	TN	33	202.40	6,679	0.00	0	40 00	1,320
CT 5B - Ductwork	TN	33	202 40	6,679	0 00	0	40 00	1,320
HRSG 5 Stacks	CY	200	60 00	12,000	97 00	19,400	0 00	0
HRSG 5A - Duct	TN	5	202.40	1,012	0 00	0	40 00	200
HRSG 5A - Stack	TN	264	202 40	53,434	0 00	0	40 00	10,560
HRSG 5B - Duct	TN	5	202.40	1,012	0 00	0	40.00	200
HRSG 5B - Stack	TN	264	202.40	53,434	0 00	0	40.00	10,560
Reinforced Concrete - Foundations	CY	134	60.00	8,040	97.00	12,998	0.00	0
Cooling Water Heat Exchanger Shell	TN	22	151 80	3,340	0.00	0	40 00	880
16" - 18" CS Pipe Above Ground	TN	51	151.80	7,742	0 00	0	40.00	2,040
20" - 30" CS Pipe Above Ground	TN	4	151 80	607	0 00	0	40.00	160
Closed Cooling H20 Pumps	TN	3	151 80	455	0.00	0	40 00	120
Account 343 Totals				962,250		160,923		266,220

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Account 344: Generators								
Pedestal Concrete	CY	614	60 00	36,840	97 00	59,558	0.00	0
Exciter	TN	15	151.80	2,277	0 00	0	40 00	600
Turbo-Generator Unit	TN	508	115 00	58,420	0 00	0	40.00	20,320
Turbine Piping	TN	207	151 80	31,423	0.00	0	40 00	8,280
Turbine Insulation	CY	495	46 00	22,770	8 00	3,960	0 00	0
Turbine Copper	TN	46	450 80	20,737	0.00	0	1,000 00	46,000
Condenser Shell	TN	285	151 80	43,263	0 00	0	40 00	11,400
Condenser Tubes	TN	85 5	450.80	38,543	0 00	0	1,000 00	85,500
Circulating Water Pumps	TN	59	151 80	8,956	0 00	0	40.00	2,360
Condensate Pumps and Ejectors	TN	16	202 40	3,238	0 00	0	40 00	640
Concrete Foundations	CY	5 9	60 00	354	97.00	572	0.00	0
Miscellaneous Steel & Equipment	TN	32.4	326 60	10,582	0 00	0	40 00	1,296
Reinforced Concrete- Pedestal Basemat	CY	1,060	60 00	63,600	97 00	102,820	0 00	0
Reinforced Concrete- Pedestal Columns	CY	335	60.00	20,100	97.00	32,495	0 00	0
Reinforced Concrete- Pedestal Top Deck	CY	1,096	60 00	65,760	97.00	106,312	0 00	0
Account 344 Totals				426,863		305,717		176,396
Account 345: Accessory Electric Equipment								
Equipment Foundations	CY	46.5	60 00	2,790	97 00	4,511	0 00	0
Structures & Supports	CY	20 97	60 00	1,258	97 00	2,034	0 00	0
Concrete	CY	46 4	60 00	2,784	97 00	4,501	0 00	0
Service Transformer - High & Low Voltage	TN	8	202 40	1,619	0 00	0	40 00	320
Startup Transformer	TN	9	202 40	1,822	0 00	0	40 00	360
Transformer Copper	TN	7	340 40	2,315	0 00	0	1,000 00	6,800
Storage Batteries & Equipment	TN	45	202 40	9,108	0 00	0	40 00	1,800
Concrete Conduit & Ducts	CY	840	60 00	50,400	97.00	81,480	0 00	0
Cable Trays	TN	4 2	326 60	1,372	0 00	0	40 00	168
Power & Control Wiring	TN	52 5	552.00	28,980	0.00	0	700 00	36,750
Generator Leads	TN	16	552 00	8,832	0 00	0	1,000 00	16,000
Instrument Transformers	TN	1 8	202 40	364	0 00	0	40 00	72
2400v Switchgear	TN	18	202 40	3,643	0 00	0	40 00	720
480v Switchgear	TN	15	202 40	3,036	0 00	0	40 00	600
Concrete	CY	6	24 00	144	97 00	582	0 00	0
Valve Manual	TN	1	202 40	202	0 00	0	40 00	40
Conduit 2" OR >	TN	2	326 60	653	0 00	0	40.00	80
Conduit < 2"	TN	2	326 60	653	0 00	0	40 00	80
Concrete - Ductbank	CY	10	24 00	240	97 00	970	0 00	0
Wire 4/0 Or > (PWR)	TN	2	202 40	405	0 00	0	40 00	80
Transformer	TN	15	151 80	2,277	0 00	0	40 00	600
Reinforced Concrete - Walls	CY	24	60 00	1,440	97 00	2,328	0 00	0
Reinforced Concrete - Foundations	CY	70	60 00	4,200	97 00	6,790	0 00	0
Reinforced Concrete - Piers, Pads, Curbs, etc	CY	13	60.00	780	97 00	1,261	0 00	0
Isophase Bus & AS - Excitation Transformer	TN	8	202.40	1,619	0.00	0	40 00	320
DC&AC Equipment - Charger/Panel	TN	2	326.60	653	0 00	0	40.00	80
Reinforced Concrete - Foundations	CY	60	60 00	3,600	97 00	5,820	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc	CY	24	60 00	1,440	97.00	2,328	0 00	0
Reinforced Concrete - Walls	CY	26	60 00	1,560	97 00	2,522	0 00	0
Isophase Bus & AS - Auxiliary Power Transf.	TN	10	202.40	2,024	0 00	0	40 00	400
Reinforced Concrete - Foundations	CY	62	60.00	3,720	97 00	6,014	0.00	0
Reinforced Concrete - Walls	CY	20	60 00	1,200	97 00	1,940	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc	CY	6	24 00	144	97 00	582	0 00	0
Isophase Bus & AS - Start-upTransformer	TN	8	202 40	1,619	0 00	0	40.00	320
DC&AC Equipment - Charger/Panel	TN	2	202 40	405	0.00	0	40.00	80
DC&AC Equipment - Charger/Panel	TN	1	202 40	202	0 00	0	40 00	40
DC&AC Equipment - Charger/Panel	TN	1	202 40	202	0 00	0	40.00	40
Ground Cable	TN	4	552.00	2,208	0 00	0	700 00	2,800

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
Conduit 2.5"O > RGS Above Ground	TN	57	326 60	18,616	0.00	0	40.00	2,280
Conduit 2" Or < RGS Above Ground	TN	141	326.60	46,051	0.00	0	40.00	5,640
Unscheduled Conduit	TN	12	326.60	3,919	0 00	0	40.00	480
Cable Tray	TN	156	326 60	50,950	0 00	0	40.00	6,240
Isophase Bus & As - Pt & Surge Cubicle	TN	2	202.40	405	0.00	0	40.00	80
Isophase Bus & As - Gener. Bus Grnd. Xfrmr	TN	5	202.40	1,012	0 00	0	40 00	200
Reinforced Concrete - Foundations	CY	48	60.00	2,880	97.00	4,656	0.00	0
Reinforced Concrete - Piers, Pads, Curbs, etc	CY	15	60.00	900	97.00	1,455	0.00	0
Relay Racks W/Wire, Tube	TN	3	202.40	607	0 00	0	40.00	120
4KV & Greater Cable (PWR)	TN	59	552.00	32,568	0.00	0	700.00	41,300
Electrical Instrument	TN	2	326.60	653	0 00	0	40.00	80
Instrument Cable	TN	11	552.00	6,072	0.00	0	700.00	7,700
Unscheduled Cable	TN	4	552.00	2,208	0.00	0	700.00	2,800
Load Center, Bus - Switchgear	TN	25	202.40	5,060	0.00	0	40.00	1,000
MCC & Low Volt - MCC Switchgear Section	TN	8	202.40	1,619	0.00	0	40.00	320
#6 & Greater Cable (PWR)	TN	19	552.00	10,488	0.00	0	700.00	13,300
#8 & Smaller Cable (PWR)	TN	4	552.00	2,208	0.00	0	700.00	2,800
Control Cable	TN	23	552.00	12,696	0.00	0	700.00	16,100
Reinforced Concrete - Foundations	CY	114	60 00	6,840	97.00	11,058	0.00	0
Account 345 Totals				355,667		140,831		168,990
Account 346: Miscellaneous Power Plant Equipment								
2" & < CS Pipe Above Ground	TN	34	202.40	6,882	0.00	0	40.00	1,360
Reinforced Concrete - Foundations	CY	145	60.00	8,700	97.00	14,065	0.00	0
Instrument Air Compressor	TN	5	202.40	1,012	0.00	0	40.00	200
Instrument Air Dryer	TN	1	202.40	202	0.00	0	40.00	40
Account 346 Totals				16,796		14,065		1,600
Total Unit 5				2,105,401		915,474		641,550
Total Lauderdale Common, Units 4 & 5				8,102,359		6,465,233		1,781,200
Lauderdale Gas Turbines								
Account 341: Structures & Improvements								
Concrete and Foundations	CY	150	24.00	3,600	97.00	14,550	0.00	0
Account 342: Fuel Holders, Prducers, & Accessories								
Fuel Oil Storage Tank	TN	0	202.40	0	0 00	0	40.00	0
Account 343: Prime Movers								
Gas Expander With Sole Plates	TN	893	202.40	180,743	0.00	0	40.00	35,720
Gas Generator Engines With Bases	TN	144	202.40	29,146	0.00	0	40.00	5,760
Turn Gear & Outer Exhaust Case	TN	103	202.40	20,847	0.00	0	40.00	4,120
Upper Half - Outer Exhaust Case	TN	30	202.40	6,072	0.00	0	40.00	1,200
Upper Half - Inner Exhaust Case	TN	264	202.40	53,434	0.00	0	40.00	10,560
Other Items	TN	450	202.40	91,080	0.00	0	40.00	18,000
Account 343 Totals				381,322		0		75,360
Account 344: Generators								
Generator	TN	29	115.00	3,335	0.00	0	40.00	1,160
Rotor and 2 Coupling Hubs	TN	3.2	115.00	368	0.00	0	40.00	128
Account 344 Totals				3,703		0		1,288
Account 345: Accessory Electric Equipment								
Transformers	TN	13	202.40	2,530	0 00	0	40 00	500
Transformer Copper	TN	5	340.40	1,702	0.00	0	1,000 00	5,000

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
				4,232		0		5,500
Total Lauderdale Gas Turbines				391,155		14,550		77,148
Total Common, Units 4 & 5 and GTs				8,493,513		6 479,783		1,858,348

FORT 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 estimated retirement date of the repowered station is 2028. The dismantlement of the plants is assumed to require 2 years ending in 2033. For the gas turbines, the estimated retirement date is 2007. Dismantlement is assumed to occur over a two year period beginning in 2012.

The Boca Grande Fuel Oil Terminal has been dismantled and is no longer included in the scope of this study. Regarding the repowering effort, all equipment related to the old steam supply systems for the original Units 1 and 2 have been dismantled and those items have been removed from the study's scope. A list of the newly installed equipment, along with its weight and additional volumes of concrete has been obtained from the contractor, Black and Veatch, and are included in the study.

Two dual fuel peaking units 3A and 3B have just gone into commercial operation in 2003. They will be FE 7FA combustion turbines similar to the Unit 2 CTs. They will provide an additional 340 megawatts of peaking power. These units are not included in this study.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Fort Myers plant in Docket No. 981166-EI, Order No. PSC-00-0293-PAA-EI, issued on February 14, 2000. The current accruals became effective as of January 1, 1999.

FT. MYERS
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Ft. Myers Common				
	Production Plant				
341	Structures and Improvements	495,634	884,927	43,608	1,336,953
342	Boiler Plant Equipment	73,654	112,357	9,659	176,352
343	Prime Movers	0	0	0	0
344	Turbogenerator Units	556,633	86,465	160,534	482,563
345	Accessory Electrical Equipment	143,501	52,207	180,230	15,478
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	1,269,422	1,135,956	394,031	2,011,347
	Other Site Costs:				
	Site Mangement Expenses	651,052			651,052
	Intake & Discharge Backfill	115,602			115,602
	Grading & Seeding	2,725,569			2,725,569
	Subtotal	3,492,224	0	0	3,492,224
	Total	4,761,646	1,135,956	394,031	5,503,571
	Contingency - 16%	761,863	181,753		943,616
	Total Ft. Myers Common excluding Unusabale M&S	$5,523,509	$1,317,709	$394,031	$6,447,187
	Unusable M&S Inventory	1,080,174	0	108,017	972,157
	Total Ft. Myers Common including Unusabale M&S	6,603,683	1,317,709	502,048	7,419,344
	Ft. Myers Unit 2				
341	Structures and Improvements	534,704	755,580	52,753	1,237,531
342	Fuel Holders, Producers and Accessories	35,482	11,379	6,155	40,706
343	Prime Movers	4,834,493	2,014,887	1,029,272	5,820,108
344	Generators	1,430,577	168,637	299,703	1,299,511
345	Accessory Electric Equipment	233,518	91,045	229,136	95,427
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	7,068,774	3,041,529	1,617,019	8,493,283
	Contingency - 16%	1,131,004	486,645		1,617,648
	Total Ft. Myers Unit 2	$8,199,778	$3,528,173	$1,617,019	$10,110,932
	Ft. Myers Gas Turbines				
341	Structures and Improvements	29,342	18,555	3,376	44,521
342	Fuel Holders, Producers and Accessories	69,611	249,565	27,755	291,421
343	Prime Movers	1,159,494	181,293	203,304	1,137,483
344	Generators	381,095	0	103,280	277,815
345	Accessory Electric Equipment	61,149	0	27,394	33,755
	Subtotal	1,700,692	449,413	365,110	1,784,995
	Contingency - 16%	272,111	71,906		344,017
	Total Ft. Myers Gas Turbines	$1,972,803	$521,319	$365,110	$2,129,012
	Total Dismantlement Costs	$16,776,264	$5,367,201	$2,484,177	$19,659,287

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	3,314,106	3,289,578	$1,317,709	$502,048	$7,419,344
Ft. Myers Unit 2	4,919,867	3,279,911	3,528,173	1,617,019	10,110,932
Ft. Myers Gas Turbines	1,183,682	789,121	521,319	365,110	2,129,012
Total	$9,417,654	$7,358,610	$5,367,201	$2,484,177	$19,659,287

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 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 PGD. 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.

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 Ft. 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 Ft. Myers depreciation study submitted in 2002 (on an information only basis) using plant and reserve data as of December 31, 2001.

Substantial asbestos abatement activity has occurred at Ft. Myers during the re-powering project. All asbestos insulation used with the old steam supply systems has been removed. Still, significant amounts of asbestos remain, for example, on the steam turbines and turbine piping, which can be expected to require abatement at final dismantlement. FPL's PGD has estimated the cost of asbestos removal at $1,353 per cubic yard. This estimate is based on FPL's experience with asbestos abatement at the Cape Canaveral and Palatka sites. The disposal cost per cubic yard varies from site to site depending on the landfill used.

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 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 were developed by FPL's Power Generation Division (PGD). The crew rate per man-hour is for a crew consisting of six journey men laborers, one laborer foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a Trojan 3500Z front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. The productivity factor employed, e.g. the number of man-hours required to remove a given unit of measure of concrete, were originally developed by an engineering consulting firm. These factors have been reviewed and, where appropriate, have been modified by FPL's PGD Department.

Labor Rate

Labor rates for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$23.77	X	6	=	$142.63
Foreman	$30.54	X	1	=	$30.54
Heavy Equipment Operator	$28.47	X	1	=	$28.47
Total Cost per hour of 8 man crew					$201.64
Cost per man hour		$201.64	/	8 =	$25.20

Equipment Rate

The equipment rate is based on the following equipment:

Excavator					15,961.61
Front End Loader					5,471.12
Cutting Equipment					208.12
Total per month					$21,640.85
21,640.85	/	176	hours per month =		122.96
Cost per man hour		$122.96	/	8 =	$15.37
Plus: amount for small tools					0.80
Total Cost per man hour					$16.17

Equipment & Labor Summary

Labor	$25.20
Equipment	16.17
Total	$41.37
Rounded	$41.00
For Concrete demolition add $4.00 per hour additional equipment charge.	$45.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$41.00	2.50 MH / Ton	$102.50 / Ton
Heavy Steel (2)	$41.00	3.30 MH / Ton	$135.30 / Ton
General Steel	$41.00	4.40 MH / Ton	$180.40 / Ton
Light Steel	$41.00	7.10 MH / Ton	$291.10 / Ton
Concrete (also used for fiberglass pip	$45.00	0.48 MH / CY	$21.60 / CY
Reinforced Concrete	$45.00	1.20 MH / CY	$54.00 / CY
Copper-Elect. Cable &			
Generator Leads &	$41.00	12.00 MH / Ton	$492.00 / Ton
Copper - Generator	$41.00	9.80 MH / Ton	$401.80 / Ton
Copper - Transformer	$41.00	7.40 MH / Ton	$303.40 / Ton
General Insulation	$41.00	1.00 MH / CY	$41.00 / CY
Inground Pipe-Metal(3)	$41.00	6.00 MH / Ton	$246.00 / Ton
Concrete Pipe	$45.00	4.60 MH / Ton	$207.00 / 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 $35/ton was obtained from the Landfill. The dumpster rate (for both size dumpsters) was provided by Waste Management Services, Inc.

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.

Truck Cost (incl. driver)	$95.00	/ haul	X	1 haul	=	$95.00
Tipping Fees	$35.00	/ ton	X	30.5 tons	=	1,067.50
Total Cost per round Trip						1,162.50
Cost per Cubic Yard	$1,162.50	/ 15.38 cubic yards =				$75.59
Plus 10% contractor profit						7.56
Total Cost per Cubic Yard						$83.14
Rounded Cost per Cubic Yard						$83.00

Insulation - Calcium Silicate and Asbetos

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 tipping fee for asbestos insulation is $53.00 per ton

Insulation -Calcium Silicate

Truck Cost (incl. driver)	$95.00	/ haul	X	1 haul	=	$95.00
Tipping Fees	$35.00	/ ton	X	1.82 tons	=	63.70
Total Cost per round Trip						158.70
Cost per Cubic Yard	$158.70	/27 cubic yards =				$5.88
Plus 10% contractor profit						0.59
Total Cost per Cubic Yard						$6.47
Rounded Cost per Cubic Yard						$6.00

Insulation - Asbestos

Truck Cost (incl. driver)	$95.00	/ haul	X	1 haul	=	$95.00
Tipping Fees	$53.00	/ ton	X	1.82 tons	=	96.46
Total Cost per round Trip						191.46
Cost per Cubic Yard	$191.46	/27 cubic yards =				$7.09
Plus 10% contractor profit						0.71
Total Cost per Cubic Yard						$7.80
Rounded Cost per Cubic Yard						$8.00

SALVAGE VALUE FACTORS

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

Iron & Steel	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable:	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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 $15,996.54 per month, both office and site, and contractor's expenses of $20,173.03 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	$36,170
Number of months	18
Total Site Mangement Expenses	$651,052

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of an average sized structure for FPL's production plants. It is assumed 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 for the intake is $32,242 and the cost for the discharge is $25,559 making a total cost of $57,801. There are two intake and discharge structures at Ft. Myers for a total cost of: $115,602 , as follows:

	Cost /Unit	Quantity	Total
Intake	$32,242	2	$64,484
Discharge	$25,559	2	$51,118
Total			$115,602

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 is $46,118 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.

Ft. Myers Acreage to be graded and seeded	59.10
Cost Factor	$46,118
Total Grading and Seeding Expense	$2,725,569

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
FT. MYERS COMMON										
FERC Account 341										
Improvements to Site										
Access Roads and Parking Areas	CY	0 75	7,187	5,390	21 60	116,421	83 00	447,360	0 00	0
Concrete Walkways	CY	1 00	252	252	21 60	5,443	83 00	20,916	0 00	0
Station Sign - Concrete	CY	1 00	11	11	21 60	238	83.00	913	0 00	0
Station Sign - Concrete Foundation	CY	1.00	7	7	54 00	384	83.00	590	0 00	0
Yard Lighting	TN	0 50	3	2	291 10	437	0.00	0	40 00	60
Subtotal						122,923		469,779		60
Domestic Water Distribution System and Water Treatment										
Service Water Booster Pump	TN	1	2	2	291 10	437	0 00	0	40 00	60
Yard Fire Protection - System Complete	TN	1	49	49	246 00	12,054	0 00	0	40 00	1,960
Lawn Sprinkler System - Incl Pumps w/ Motors, Complt	TN	1	2	2	291 10	437	0 00	0	40 00	60
Intake Chlorination System - Piping	TN	1	1	1	180 40	209	0 00	0	40 00	46
Intake Chlorination System - Chlorinators	TN	1	2	2	180 40	361	0 00	0	40 00	80
Sulfuric Acid Storage tank	TN	1	5	5	180 40	902	0 00	0	40 00	200
Caustic Acid Storage Tank	TN	1	5	5	180 40	902	0 00	0	40 00	200
C-anion Mixing Tanks	TN	3	5	15	180 40	2,706	0 00	0	40 00	600
Cation Mixing Tanks	TN	2	5	10	180 40	1,804	0 00	0	40 00	400
Acid Mixing Pumps and Piping system	TN	1	10	10	291 10	2,911	0 00	0	40 00	400
Fire Protection - Raw Water Fire Pump	TN	1	2	2	291 10	437	0 00	0	40 00	60
Fire Protection - F/Pump concrete slab	CY	1	5	5	54 00	270	83 00	415	0 00	0
Subtotal						23,429		415		4,066
Station Structures										
Service Building - Substructure - Reinforced Concrete	CY	1	200	200	54 00	10,800	83 00	16,600	0 00	0
Service Building - Concrete Block Walls 8,000 Blocks	CY	1	131	131	21 60	2,833	83 00	10,885	0 00	0
Service Building - Superstructure - Concrete	CY	1	308	308	54 00	16,605	83 00	25,523	0 00	0
Service Building - Superstructure - Steel Roof	TN	1	15	15	291 10	4,265	0 00	0	40 00	586
Paint & Lube Oil Storage Building - R/Concrete Fndatn	CY	1	55	55	54 00	2,970	83 00	4,565	0.00	0
Paint & Lube Oil Storage Bldng - (1650 conc blocks)	CY	1	27	27	21 60	584	83 00	2,245	0 00	0
Station Warehouse - Reinforced Concrete Foundation	CY	1	62	62	54 00	3,336	83 00	5,128	0 00	0
Station Warehouse - Steel Bldg - 32' x 84' Butler Bldg	TN	1	20	20	291 10	5,676	0 00	0	40 00	780
Lime Storage Building - Reinforced Concrete Foundation	CY	1	53	53	54 00	2,835	83 00	4,358	0 00	0
Lime Storage Building - Concrete Block Walls	CY	1	53	53	21 60	1,145	83 00	4,399	0 00	0
Chlorination Building - Reinforced Concrete Foundation	CY	1	27	27	54 00	1,458	83 00	2,241	0 00	0
Chlorination Building - Concrete Block Walls	CY	1	29	29	21 60	626	83 00	2,407	0 00	0
Spare Parts Warehouse - Structural Steel	TN	1	15	15	180 40	2,616	0 00	0	40 00	580
Spare Parts Warehouse - Foundation - Concrete	CY	1	29	29	54 00	1,566	83 00	2,407	0 00	0
Lime Storage Building - Concrete Roof	CY	1	49	49	21 60	1,058	83 00	4,067	0 00	0
Lab Building - Concrete Block Walls	CY	1	53	53	21 60	1,145	83 00	4,399	0 00	0
Lab Building - Concrete Foundation	CY	1	53	53	54 00	2,835	83.00	4,358	0 00	0
Subtotal						62,354		93,581		1,946
Fort Myers Boathouse Facility										
Structure - Steel	TN	1	4	4	291 10	1,164	0 00	0	40 00	160
Foundation and Seawall - concrete	CY	1	5	5	54 00	270	83.00	415	0.00	0
Subtotal						1,434		415		160
Site Sewer System										
Storm Sewers and Drains - Reinforced Concrete	CY	1	36	36	54 00	1,944	83 00	2,988	0 00	0
Storm Sewers and Drains - Piping										
48" R/Concrete Pipe	CY	1	8	8	54 00	458	83 00	705	0 00	0

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
18" R/Concrete Pipe	CY	1	13	13	54 00	678	83 00	1,042	0 00	0
15" R/Concrete Pipe	CY	1	28	28	54 00	1,537	83 00	2,363	0 00	0
12" R/Concrete Pipe	CY	1	4	4	21 60	97	83 00	371	0 00	0
Sanitary Sewer - Septic Tank Concrete	CY	1	23	23	21 60	497	83 00	1,909	0 00	0
Sanitary Sewer & Floor Drains - System complete	TN	1	31	31	291 10	9,024	0 00	0	40 00	1,240
Subtotal						14,236		9,378		1,240
Fuel Oil System/Area										
Fuel Oil Storage Tank Cleaning- 100,000 BBLS. total	BBLS	1	100,000	100,000	n/a	0	n/a	101,521	0 00	0
Fuel Oil Storage Tanks - 100,000 BBLS total	TN	1	334	334	n/a	28,562	0 00	0	40 00	13,360
Soil Remediation	EA	1	n/a	0	n/a	0	n/a	50,616	n/a	0
Subtotal						28,562		152,137		13,360
Service Water and Raw Water Systems										
Water Treatment - Concrete	CY	1	169	169	54 00	9,126	83 00	14,027	0 00	0
Water Treatment - Cast Iron Piping	TN	1	15	15	246 00	3,771	0 00	0	40 00	613
Raw Water Pump and motor	TN	1	5	5	291 10	1,456	0 00	0	40 00	200
Raw Water Storage Tank - 50,000 Gallons	TN	1	17	17	180 40	3,155	0 00	0	40 00	700
Raw Water Storage Tank - Foundation	CY	1	55	55	54 00	2,970	83 00	4,565	0 00	0
Elevated Water Storage Tank - 100,000 Gallons	TN	1	35	35	135 30	4,733	0 00	0	40 00	1,399
Elevated Water Storage Tank - Foundation-Concrete	CY	1	155	155	54 00	8,370	83 00	12,865	0 00	0
Subtotal						33,581		31,457		2,912
Intake System										
Intake Structure - Reinforced Concrete	CY	1	692	692	54 00	37,341	83 00	57,395	0 00	0
Intake Structure - Structural Steel	TN	1	21	21	135 30	2,841	0 00	0	40 00	840
Intake Structure - Wingwall Cap & Crane Rail Pads	CY	1	31	31	54 00	1,680	83 00	2,582	0 00	0
Intake Structure - Traveling Water Screens	TN	2	11	23	180 40	4,113	0 00	0	40 00	912
Intake Structure - Screen Wash Pumps W/ Motors	TN	2	3	6	180 40	1,082	0 00	0	40 00	240
Intake Structure - Concrete Stop Logs	CY	1	12	12	54 00	621	83 00	955	0 00	0
Intake Cooling Water Pumps and motors	TN	2	3	6	180 40	1,082	0 00	0	40 00	240
Intake Lube Water Well Pumps - Concrete Foundation	CY	1	13	13	54 00	702	83 00	1,079	0 00	0
Intake Structure - Bridge Crane and Hoists	TN	1	2	2	180 40	361	0 00	0	40 00	80
Intake Conduit - 54" Reinforced Concrete Pipe	CY	1	47	47	207 00	9,804	0 00	0	0 00	0
Intake Transition Blocks - Concrete	CY	1	91	91	54 00	4,887	83 00	7,512	0 00	0
Intake Screen Refuse Line - Cast Iron Pipe	TN	1	1	1	246 00	246	0 00	0	40 00	40
Intake Screen Refuse Line - Concrete Pipe	CY	1	13	13	54 00	708	83 00	1,089	0 00	0
Subtotal						65,469		70,611		2,352
Discharge System										
Discharge Conduit - 54" Reinforced Concrete Pipe	CY	1	175	175	207 00	36,157	0 00	0	0 00	0
Discharge Transition and Thrust Blocks	CY	1	102	102	54 00	5,508	83 00	8,466	0 00	0
Discharge Structure - Reinforced Concrete	CY	1	187	187	54 00	10,071	83.00	15,480	0.00	0
Discharge Structure - Concrete Stop Logs	CY	1	12	12	54 00	621	83 00	955	0 00	0
Subtotal						52,357		24,900		0
Station Structures										
Substructure Reinforced Concrete - Miscellaneous	CY	1	192	192	54 00	10,341	83 00	15,895	0 00	0
Structural Steel-Main Steel-incl. crane and elevator	TN	1	292	292	135.30	39,556	0.00	0	40 00	11,694
Steel - Hand Railing and Miscellaneous	TN	1	54	54	180 40	9,742	0 00	0	40 00	2,160
Battery and Control Room - Conc Blocks(895)	CY	1	15	15	21 60	317	83.00	1,218	0 00	0
Station Floors - Reinforced Concrete	CY	1	175	175	54 00	9,450	83 00	14,525	0 00	0
Station Roof - Hol-O-Rib Steel Framing	TN	1	4	4	291 10	1,065	0 00	0	40.00	146
Station Crane - Colby 50/15 Ton Gantry Crane	TN	1	25	25	135 30	3,383	0 00	0	40 00	1,000

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Station Elevator - Westinghouse 1200 lb capacity	TN	1	9	9	180 40	1,624	0.00	0	40 00	360
Hydrogen Storage Shelter - Concrete	CY	1	7	7	21 60	161	83 00	618	0 00	0
Miscellaneous Grating and Steel Plates	TN	1	54	54	291 10	15,652	0 00	0	40 00	2,151
Subtotal						91,290		32,255		17,512
Total Account 341						495,634		884,927		43,608
FERC Account 342										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Swing Tank (abandoned in place) (6,000 BBl)	TN	1	27	27	n/a	14,281	0 00	0	40.00	1,066
Boiler Blowdown Tank (6,000 BBl)	TN	1	27	27	n/a	14,281	0 00	0	40 00	1,066
Soil Remediation - Swing & Boiler Blowdown Tanks	EA	0	n/a	n/a	n/a	0	n/a	18,440	n/a	0
Tanks - Foundations for both - concrete	CY	0	n/a	n/a	n/a	0	n/a	44,950	n/a	0
Condensate Tank - 12,000 BBLS - Removal & Cleaning	BBLS	1	12,000	12,000	n/a	14,281	n/a	0	0 00	0
Demolition of Foundation	EA	0 00	n/a	n/a	n/a	n/a	n/a	33,784	0 00	0
Soil Remediation	EA	0 00	n/a	n/a	n/a	n/a	n/a	13,860	0.00	0
Subtotal						42,843		111,034		2,133
Boiler Plant Auxiliaries										
H P Feedwater Heater #1	TN	1	24	24	135 30	3,180	0 00	0	40 00	940
H P Feedwater Heater #2	TN	1	21	21	135 30	2,895	0 00	0	40 00	856
I P Feedwater Heater #3	TN	1	8	8	135 30	1,069	0 00	0	40.00	316
L P Feedwater Heater #4	TN	1	10	10	135 30	1,394	0 00	0	40 00	412
L P Feedwater Heater #5	TN	1	10	10	135 30	1,394	0 00	0	40 00	412
L P Feedwater Heater #6	TN	1	15	15	135 30	2,050	0 00	0	40 00	606
Condensate Storage Tank - 60,000 Gal	TN	1	20	20	180 40	3,548	0 00	0	40 00	787
Condensate Storage Tank Foundation	CY	1	12	12	54 00	670	83 00	1,029	0 00	0
Condensate Recovery Tank - 2,600 Gal	TN	1	2	2	180 40	271	0 00	0	40 00	60
Condensate Recovery Tank Foundation	CY	1	4	4	54 00	191	83 00	294	0 00	0
Condensate Collecting Cooler	TN	1	1	1	180 40	180	0 00	0	40 00	40
Blowdown/flash tank	TN	1	3	3	180 40	451	0 00	0	40 00	100
Condensate Pump motor	TN	3	3	10	180 40	1,732	0 00	0	40 00	384
Condensate Pump	TN	3	2	5	180 40	812	0 00	0	40 00	180
Instrument Air Compressors	TN	2	4	7	180 40	1,263	0 00	0	40 00	280
Miscellaneous Steel and Equipment	TN	1	7	7	180 40	1,178	0 00	0	40 00	261
Subtotal						22,277		1,323		5,634
Boiler Plant Piping										
Condensate and Air Evaporation	TN	1	47	47	180 40	8,535	0 00	0	40 00	1,892
Subtotal						8,535		0		1,892
Total Account 342						73,654		112,357		9,659
FERC Account 344										
Turbo-Generator Units										
Pedestal - Reinforced Concrete	CY	1	993	993	54.00	53,622	83 00	82,419	0.00	0
Turbo-Generator Unit	TN	1	534	534	102 50	54,704	0 00	0	40 00	21,348
Turbine Piping	TN	1	207	207	135 30	28,034	0 00	0	40 00	8,288
Turbine Copper	TN	1	48	48	401 80	19,286	0 00	0	1,000.00	48,000
Turbine Enclosure	TN	1	15	15	135.30	1,996	0 00	0	40 00	590
Miscellaneous Steel and Equipment	TN	1	15	15	180 40	2,726	0 00	0	40.00	604

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Turbine Insulation	CY	1	210	210	1,353.00	284,130	8 00	1,680	0.00	0
Subtotal						444,498		84,099		78,830
Condensers and Auxiliaries										
Condenser Shell	TN	1	285	285	135.30	38,561	0.00	0	40.00	11,400
Condenser - Aluminum-Brass Tubes	TN	1	86	86	291 10	24,889	0.00	0	700.00	59,850
Condenser Foundation - Reinforced Concrete	CY	1	18	18	54.00	972	83.00	1,494	0.00	0
Circulating Water Pumps - 58,000 gpm(incl. motors)	TN	2	30	59	180.40	10,644	0.00	0	40 00	2,360
Circulating Water Piping - Cast Iron, incl. valves	TN	1	95	95	180.40	17,060	0.00	0	40.00	3,783
Condensate Pumps - 12" suction, 8" dischrg(incl. mtrs)	TN	3	16	48	180.40	8,643	0.00	0	40.00	1,916
Condensate Pump - Foundation - RI Concrete	CY	1	11	11	54.00	567	83.00	872	0.00	0
Turbine Oil Resvoir	TN	1	47	47	180.40	8,479	0.00	0	40 00	1,880
Lube Oil Storage Tank (Bowser)	TN	0	24	0	180.40	0	0.00	0	40 00	0
Miscellaneous Steel and Equipment	TN	1	13	13	180.40	2,320	0.00	0	40.00	514
Subtotal						112,134		2,366		81,704
Total Account 344						556,633		86,465		160,534
FERC Account 345										
Accessory Electrical Equipment										
Foundations & Structures										
Main Generator Leads & Enclosures(Copper)	TN	1	10	10	492.00	4,920	0.00	0	1,000.00	10,000
Manholes and Hanholes - Concrete	CY	1	118	118	21.60	2,538	83.00	9,753	0.00	0
Transformer(start-up) Foundations - Concrete	CY	1	16	16	54.00	864	83.00	1,328	0.00	0
Switchgear Foundations - Concrete	CY	1	43	43	54.00	2,295	83.00	3,528	0.00	0
Load Control Centers Foundations - Concrete	CY	1	53	53	54.00	2,835	83.00	4,358	0.00	0
Aux Power Transformer - 7,500 kva	TN	1	17	17	291.10	4,943	0.00	0	40.00	679
Startup Transformer	TN	1	20	20	291.10	5,906	0.00	0	40.00	812
Station Service Transformer	TN	4	3	12	291.10	3,377	0.00	0	40.00	464
Transformer Copper	TN	1	16	16	303.40	4,876	0.00	0	1,000.00	16,070
Transformer - Unloading Dock	TN	1	2	2	291.10	495	0.00	0	40.00	68
Storage Battery	TN	1	3	3	291.10	873	0.00	0	40.00	120
Underground Ducts - Concrete	CY	1	401	401	54.00	21,627	83.00	33,242	0.00	0
Conduit - rigid alum. - 3" to 5".	TN	1	43	43	291.10	12,430	0.00	0	700.00	29,890
Exposed Conduits and CableTrays	TN	1	87	87	291 10	25,279	0.00	0	700 00	60,788
Buswork and Copper Tubing	TN	1	1	1	291 10	291	0.00	0	1,000.00	1,000
Load and Motor Control Centers	TN	1	5	5	291.10	1,310	0.00	0	40.00	180
Power/Control Wiring - 135,300 ft.	TN	1	85	85	492.00	41,604	0.00	0	700.00	59,192
Main Control Board for B-T-G	TN	0	3	0	291.10	0	0.00	0	40.00	0
Switchgear - 2,400v Metalclad	TN	1	20	10	291.10	2,911	0.00	0	40.00	400
Switchgear - 480v Metalclad	TN	1	18	9	291.10	2,620	0.00	0	40.00	360
Subtotal						141,993		52,207		180,023
Transformers										
Lighting Transformers	TN	1	5	5	291.10	1,508	0.00	0	40.00	207
Subtotal						1,508		0		207
Total Account 345						143,501		52,207		180,230
TOTAL FT. MYERS COMMON						1,267,914		1,135,956		393,824
FORT MYERS COMBINED CYCLE UNIT 2										
FERC Account 341										

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Site Sewer System										
Storm Sewers and Drains - Concrete(8" - 48")	CY	1	55	55	54 00	2,948	83 00	4,532	0 00	0
Floor Drains,Sump Pumps & Oily Sep - 6" CI Pipe	TN	1	73	73	246 00	18,020	0 00	0	40 00	2,930
Oil Separator	CY	1	38	38	54 00	2,052	83 00	3,154	0 00	0
Subtotal						23,020		7,686		2,930
Fuel Oil System/Area										
Fuel Oil Storage Tank - 180,000 BBLS	TN	1	534	534	n/a	28,562	0 00	0	40 00	21,360
Fuel Oil Storage Tank - Cleaning	EA	0	n/a	n/a	n/a	0	n/a	157,972	0 00	0
Soil Remediation	EA	0	n/a	n/a	n/a	0	n/a	78,761	0 00	0
Subtotal						28,562		236,733		21,360
Service Water and Raw Water Systems										
Water Treatment - Area Slab - Concrete	CY	1	167	167	54 00	9,018	83 00	13,861	0 00	0
Water Treatment - Chlorination System	TN	1	2	2	180 40	361	0 00	0	40 00	80
Fire Protection Piping - CI 2 5" to 8"	TN	1	5	5	246 00	1,240	0 00	0	40 00	202
Raw Water Storage Tank - 100,000 gal	TN	1	27	27	180 40	4,947	0 00	0	40 00	1,097
Service Water - Cast Iron Piping - 4" to 6"	TN	1	34	34	246 00	8,275	0 00	0	40 00	1,346
Subtotal						23,841		13,861		2,724
Intake System										
Intake Structure - Reinforced Concrete	CY	1	1,273	1,273	54 00	68,742	83 00	105,659	0 00	0
Intake Structure - Structural Steel(incl crane)	TN	1	46	46	135 30	6,224	0 00	0	40 00	1,840
Intake Structure - Wingwall Cap & Crane Rail Pads	CY	1	106	106	54 00	5,724	83 00	8,798	0 00	0
Intake Structure - Traveling Water Screens	TN	2	16	32	180 40	5,708	0 00	0	40 00	1,266
Intake Structure - Screen Wash Pumps	TN	2	4	8	180 40	1,443	0 00	0	40 00	320
Intake Structure - Concrete Stop Logs	CY	1	12	12	54 00	621	83 00	955	0 00	0
Intake Cooling Water Pump Motors	TN	2	2	4	180 40	722	0 00	0	40 00	160
Intake Cooling Water Pumps	TN	2	1	2	180 40	361	0 00	0	40 00	80
Intake Structure - Hoists/Crane	TN	1	4	4	180 40	631	0 00	0	40 00	140
Intake Conduit - Reinforced Concrete Pipe,78"	CY	1	45	45	207 00	9,303	0 00	0	0 00	0
Intake Transition Blocks - Concrete	CY	1	346	346	54 00	18,684	83 00	28,718	0 00	0
Intake Screen Refuse Line - Concrete Pipe	CY	1	507	507	54 00	27,360	83 00	42,054	0 00	0
Intake Screen Refuse Line - Cast Iron Pipe	TN	1	2	2	246 00	576	0 00	0	40 00	94
Subtotal						146,098		186,183		3,899
Discharge System										
Discharge Conduit - 78" Reinforced Concrete Pipe	CY	1	213	213	207 00	44,186	0 00	0	0 00	0
Discharge Transition and Thrust Blocks	CY	1	401	401	54 00	21,654	83 00	33,283	0 00	0
Discharge Structure - Reinforced Concrete	CY	1	427	427	54 00	23,058	83 00	35,441	0 00	0
Discharge Structure - Concrete Stop Logs	CY	1	12	12	54 00	621	83 00	955	0 00	0
Subtotal						89,519		69,679		0
Station Structures										
Substructure concrete footings, piers, beams	TN	1	253	253	54 00	13,662	83 00	20,999	0 00	0
Substructure Reinforced Concrete - Miscellaneous	CY	1	1,946	1,946	54 00	105,084	83 00	161,518	0 00	0
Structural Steel - Main Steel	TN	1	297	297	135 30	40,184	0 00	0	40 00	11,880
Steel - Hand Railing and Miscellaneous	TN	1	162	162	180 40	29,225	0 00	0	40 00	6,480
Station Floors & Roof - Reinforced Concrete	CY	1	187	187	54.00	10,098	83 00	15,521	0 00	0
Station Crane - Colby 50/15 Ton Gantry Crane	TN	1	35	35	135 30	4,736	0 00	0	40 00	1,400
Station Elevator - Westinghouse 1200 lb capacity	TN	1	9	9	180 40	1,624	0 00	0	40 00	360
Boiler Feed Pump Room - Concrete Block and Roof	CY	1	127	127	21 60	2,733	83 00	10,504	0 00	0
Forced Draft Room - Concrete	CY	1	354	354	21 60	7,655	83 00	29,414	0 00	0
Diesel Generator Building - Concrete	CY	1	25	25	21 60	540	83 00	2,075	0 00	0

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
Emergency Diesel Generators	TN	2	8	16	180 40	2,886	0 00	0	40 00	640
Hydrogen Storage Shelter - Concrete	CY	1	17	17	21 60	367	83 00	1,409	0 00	0
Air Intake Labyrinths - Steel	TN	1	27	27	180 40	4,871	0 00	0	40 00	1,080
Subtotal						223,664		241,439		21,840
Total Account 341						534,704		755,580		52,753
FERC Account 342										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Boiler Plant Auxiliaries										
Boiler Feed Pumps	TN	2	27	54	180 40	9,742	0 00	0	40 00	2,160
Boiler Feed Pump Motors	TN	2	11	21	180 40	3,788	0 00	0	40 00	840
Condensate Storage Tank - 150,000 Gal	TN	1	54	54	180 40	9,751	0 00	0	40 00	2,162
Condensate Storage Tank Foundation	CY	1	130	130	54 00	7,020	83 00	10,790	0 00	0
Condensate Recovery Tank	TN	2	1	3	180 40	523	0 00	0	40 00	116
Condensate Recovery Tank Foundation	CY	2	4	7	54 00	383	83 00	589	0 00	0
Condensate Recovery Cooler	TN	1	1	1	180 40	180	0 00	0	40 00	40
Condensate Transfer Pump Motors	TN	2	4	8	180 40	1,452	0 00	0	40 00	322
Miscellaneous Steel and Equipment	TN	1	10	10	180 40	1,804	0 00	0	40 00	400
Subtotal						34,644		11,379		6,040
Boiler Chemical Cleaning System										
Lime Slurry Mixing Tank - 4,000 Gal	TN	1	1	1	291 10	419	0 00	0	40 00	58
Caustic Solution Tank - 4,000 Gal	TN	1	1	1	291 10	419	0 00	0	40 00	58
Subtotal						838		0		115
Total Account 342						35,482		11,379		6,155
FERC Account 343										
Power Movers										
Heat Recovery Steam Generator Structure (HRSG)										
Generator Terminal Enclosure	TN	6	10 50	63 00	180 40	11,365	0 00	0	40 00	2,520
Concrete	CY	1	105 00	105 00	54 00	5,670	83 00	8,715	0.00	0
						17,035		8,715		2,520
HRSG Enclosures										
Combustion Turbine Inlet Filter	TN	6	23 00	138 00	180 40	24,895	0 00	0	40 00	5,520
Combustion Turbine Inlet Duct	TN	6	225 00	1,350 00	180 40	243,540	0 00	0	40 00	54,000
SGF HRSG Vents & Drains Pump	TN	3	0 50	1 50	180 40	271	0 00	0	40 00	60
Supporting Steel	TN	6	10 50	63 00	180 40	11,365	0 00	0	40 00	2,520
Concrete	CY	1	1,600 00	1,600 00	54 00	86,400	83 00	132,800	0 00	0
						366,471		132,800		62,100
HRSG Pressure Parts										
Heat Recovery Steam Generator	TN	6	3,495.50	20,973.00	135 30	2,837,647	0 00	0	40 00	838,920
Concrete	CY	1	17,025 00	17,025 00	54 00	919,350	83.00	1,413,075	0 00	0
						3,756,997		1,413,075		838,920
Industrial Gas Turbine										
Gas Turbine	TN	6	188 50	1,131 00	135 30	153,024	0 00	0	40 00	45,240
Concrete	CY	1	925 00	925 00	54.00	49,950	83 00	76,775	0.00	0

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
						202,974		76,775		45,240
Stm Gen/Blr/HRSG Blowdown Cooling System										
WSA Blowdown Pump	TN	2	0 44	0 88	180 40	159	0 00	0	40 00	35
						159		0		35
Reheat System										
HRH Hot Reheat Valves	TN	24	2 50	60 00	180 40	10,824	0 00	0	40 00	2,400
						10,824		0		2,400
Steam Turbine										
Generator	TN	6	260 00	1,560 00	102 50	159,900	0 00	0	40 00	62,400
High Pressure Steam Valves	TN	24	1 75	42 00	180 40	7,577	0 00	0	40 00	1,680
Miscellaneous Valves	TN	3675	0 01	36.75	180 40	6,630	0 00	0	40 00	1,470
Concrete	CY	3	1,400 00	4,200 00	54 00	226,800	83 00	348,600	0 00	0
						400,907		348,600		65,550
Condensate Transfer System										
WSI Emergency Condensate Pump	TN	1	3 25	3 25	180 40	586	0 00	0	40.00	130
Concrete	CY	1	3 75	3 75	54 00	203	83 00	311	0 00	0
						789		311		130
Condenser Air Removal System										
CAB Air Compressor	TN	3	4 40	13 20	180 40	2,381	0 00	0	40 00	528
HRB Condenser Air Extraction Hogger	TN	2	9 15	18 30	180 40	3,301	0 00	0	40 00	732
HRB Condenser Air Extraction Ejector	TN	2	3 75	7 50	180 40	1,353	0 00	0	40 00	300
Concrete	CY	1	12 00	12 00	54 00	648	83 00	996	0 00	0
						7,684		996		1,560
Condenser Cooling Water Pump System										
FWF Condensate Storage & Makeup Pump	TN	3	0 44	1 32	180 40	238	0 00	0	40 00	53
FWC Condensate Pump	TN	3	8 80	26 40	180 40	4,763	0 00	0	40 00	1,056
Concrete	CY	1	40 00	40 00	54 00	2,160	83 00	3,320	0 00	0
						7,161		3,320		1,109
Air Cooling System, G T										
Cooling Fan Module	TN	6	4 25	25 50	180 40	4,600	0 00	0	40 00	1,020
Concrete	CY	1	30 00	30 00	54 00	1,620	83 00	2,490	0 00	0
						6,220		2,490		1,020
Component/Closed Cooling Water System										
ECB Closed Cooling Water Spray Pumps	TN	6	1 20	7 20	180 40	1,299	0 00	0	40 00	288
ECB Closed Cooling Pumps	TN	4	3.20	12 80	180.40	2,309	0 00	0	40 00	512
ECB Closed Cooling Water Cooling Tower	TN	2	58 10	116 20	180 40	20,962	0 00	0	40 00	4,648
Fuel Gas Heat Exchangers	TN	6	13 50	81 00	180 40	14,612	0 00	0	40 00	3,240
Concrete	CY	1	335 00	335 00	54 00	18,090	83 00	27,805	0 00	0
Subtotal						57,273		27,805		8,688
Total Account 343						4,834,493		2,014,887		1,029,272
FERC Account 344										
Turbo-Generator Units										
Pedestal - Reinforced Concrete	CY	1	1,783	1,783	54 00	96,282	83 00	147,989	0.00	0
Turbine - Rotor	TN	1	118	118	102 50	12,081	0 00	0	40 00	4,714

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
Turbine - Stator	TN	1	201	201	102 50	20,650	0 00	0	40 00	8,058
Stator Cooling Liquid Unit	TN	1	10	10	135 30	1,353	0.00	0	40.00	400
Terminal Box and Bushings	TN	1	10	10	135 30	1,350	0 00	0	40 00	399
Outer Shield - Upper Turbine end	TN	1	4	4	102 50	402	0 00	0	40.00	157
Outer Shield - Lower End	TN	1	6	6	102.50	592	0 00	0	40.00	231
Hydrogen Seal unit	TN	1	3	3	102 50	299	0 00	0	40 00	117
H P Upper Shell	TN	1	57	57	102 50	5,816	0 00	0	40 00	2,270
H P Lower Shell	TN	1	73	73	102 50	7,528	0 00	0	40 00	2,938
Exh Hood - Upper	TN	1	32	32	102.50	3,292	0 00	0	40 00	1,285
Exh Hood - Lower	TN	1	88	88	102 50	8,996	0 00	0	40 00	3,511
Inner Casing - Upper	TN	1	52	52	102 50	5,372	0.00	0	40.00	2,096
Inner Casing - Lower	TN	1	38	38	102 50	3,872	0 00	0	40 00	1,511
Inner Shell - HP Upper	TN	1	14	14	102 50	1,445	0 00	0	40 00	564
Inner Shell - HP Lower	TN	1	16	16	102 50	1,639	0 00	0	40 00	640
Inner Shell #2 - Upper	TN	1	6	6	102 50	639	0.00	0	40.00	249
Inner Shell #2 - Lower	TN	1	6	6	102 50	639	0 00	0	40 00	249
Turbine Stop Valves	TN	1	38	38	135 30	5,097	0 00	0	40 00	1,507
Turbine Combination/Reheat Valves	TN	2	26	52	135 30	7,060	0 00	0	40 00	2,087
Turbine Piping	TN	1	260	260	135 30	35,178	0 00	0	40.00	10,400
Turbine Insulation	CY	1	700	700	1,353 00	947,100	8.00	5,600	0.00	0
Turbine Enclosure	TN	1	37	37	135 30	4,972	0 00	0	40 00	1,470
Turbine Copper	TN	1	60	60	401 80	24,108	0 00	0	1,000 00	60,000
Miscellaneous Steel and Equipment	TN	1	23	23	180 40	4,182	0 00	0	40 00	927
Turbine Generator Mat - concrete	CY	1	60	60	54 00	3,240	83 00	4,980	0 00	0
Subtotal						1,203,184		158,569		105,780
Condensers and Auxiliaries										
Condenser Shell	TN	1	868	868	135 30	117,373	0 00	0	40 00	34,700
Condenser - Aluminum-Brass Tubes	TN	1	215	215	291 10	62,441	0 00	0	700.00	150,150
Condenser Foundation - Reinforced Concrete	CY	1	110	110	54 00	5,940	83 00	9,130	0.00	0
Circulating Water Pumps - 58,000 gpm	TN	2	49	97	180 40	17,553	0 00	0	40 00	3,892
Circulating Water Pump Motors	TN	2	16	32	180 40	5,683	0 00	0	40 00	1,260
Condensate Pumps - 12" suction, 8" dischrg(incl mtrs)	TN	2	15	30	180 40	5,441	0.00	0	40.00	1,206
Condensate Pump - Foundation - RI Concrete	CY	1	11	11	54 00	610	83 00	938	0 00	0
Turbine Oil Conditioner	TN	1	2	2	180 40	382	0 00	0	40 00	85
Turbine Lube Oil Coolers	TN	1	4	4	180 40	765	0 00	0	40 00	170
Hydrogen Coolers	TN	4	2	9	180 40	1,562	0 00	0	40 00	346
Bearing Cooling Water Pump Motor	TN	2	1	3	180 40	487	0 00	0	40 00	108
Lube Oil Storage Tank	TN	1	24	24	180 40	4,239	0 00	0	40 00	940
Miscellaneous Steel and Equipment	TN	1	26	26	180 40	4,620	0 00	0	40 00	1,024
H2 and Co2 Piping	TN	1	1	1	291 10	297	0 00	0	40 00	41
Subtotal						227,393		10,068		193,922
Total Account 344						1,430,577		168,637		299,703
FERC Account 345										
Accessory Electrical Equipment										
Foundations & Structures										
Main Generator Leads & Enclosures(aluminum)	TN	1	15	15	492.00	7,380	0.00	0	40.00	600
Manholes and Hanholes - Concrete	CY	1	201	201	21.60	4,342	83 00	16,683	0.00	0
Transformer Foundations - Concrete	CY	1	50	50	54.00	2,700	83.00	4,150	0.00	0
Switchgear Foundations - Concrete	CY	1	30	30	54 00	1,620	83 00	2,490	0.00	0
Load Control Centers Foundations - Concrete	CY	1	30	30	54.00	1,620	83 00	2,490	0.00	0
Aux Power Transformer - 7,500 kva	TN	1	37	37	291.10	10,631	0 00	0	40.00	1,461

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
Startup Transformer	TN	1	42	42	291 10	12,337	0 00	0	40 00	1,695
Station Service Transformer	TN	2	3	6	291 10	1,688	0 00	0	40.00	232
Transformer Copper	TN	1	33	33	303.40	9,927	0 00	0	1,000.00	32,720
Storage Battery	TN	1	3	3	291 10	873	0 00	0	40 00	120
Underground Ducts - Concrete	CY	1	782	782	54 00	42,228	83.00	64,906	0 00	0
Conduit - rigid alum	TN	1	21	21	291 10	6,238	0.00	0	700.00	15,001
Underground Conduit	CY	1	4	4	21 60	85	83 00	326	0.00	0
Exposed Conduits and Trays	TN	1	5	5	291 10	1,589	0.00	0	700 00	3,822
Buswork and Copper tubing	TN	1	2	2	291 10	437	0 00	0	1,000 00	1,500
Motor Control Centers	TN	1	3	3	291 10	873	0.00	0	40.00	120
Power/Control Wiring - 390,000 ft	TN	1	244	244	492 00	119,925	0 00	0	700 00	170,625
Main Control Board for B-T-G	TN	1	3	3	291 10	873	0 00	0	40 00	120
Switchgear - 4,160v Metalclad	TN	1	20	10	291 10	2,911	0 00	0	40.00	400
Switchgear - 480v Metalclad	TN	1	18	18	291.10	5,240	0 00	0	40.00	720
Total Account 345						233,518		91,045		229,136
FERC Account 346										
Miscellaneous Power Plant Equipment										
Service Air Compressor	TN	0	8	0	180.40	0	0 00	0	40 00	0
Air Compressor - Concrete Foundation	CY	0	7	0	54.00	0	83.00	0	0 00	0
Total Account 346						0		0		0
TOTAL FT. MYERS UNIT 2						7,068,774		3,041,529		1,617,019
FT. MYERS GAS TURBINES										
FERC Account 341										
Structures and Improvements										
Yard Lighting	TN	1	3	3	291 10	801	0 00	0	40 00	110
Maintenance Facility - Overhead Crane - Steel	TN	1	13	13	180 40	2,255	0 00	0	40.00	500
Maintenance Facility - Structural Steel	TN	1	45	45	180 40	8,118	0 00	0	40.00	1,800
Maintenance Facility - Concrete foundation	CY	1	23	23	54 00	1,258	83 00	1,934	0.00	0
Yard Drainage Pumps	TN	3	2	5	180 40	812	0 00	0	40 00	180
Yard Drainage Piping	TN	1	10	10	246 00	2,374	0 00	0	40 00	386
Service Building - structural Steel	TN	1	10	10	291 10	2,911	0 00	0	40.00	400
Service Building - Concrete Foundation	CY	1	188	188	54 00	10,125	83 00	15,563	0 00	0
Oily Separator - concrete	CY	1	13	13	54.00	689	83 00	1,058	0 00	0
Total Account 341						29,342		18,555		3,376
FERC Account 342										
Fuel Holders, Producers and Accessories										
Fuel Storage Tanks - 1 @ 180,000 BBLS	TN	1	540	540	n/a	28,562	0.00	0	40 00	21,600
Fuel Storage Tank - Soil Remediation					n/a	0	n/a	236,285	0.00	0
Fuel Transfer Pumps - at dock and dock piping	TN	1	4	4	180.40	722	0.00	0	40 00	160
Light Oil Piping - Dock to Tanks	TN	1	108	108	180 40	19,462	0 00	0	40.00	4,315
Fuel Pumping Stations - Concr Foundation(ea GT)	CY	12	13	160	54.00	8,640	83 00	13,280	0.00	0
Fuel Pumping Stations - Piping & Pumps(ea. GT)	TN	12	4	42	291 10	12,226	0 00	0	40 00	1,680
Total Account 342						69,611		249,565		27,755
FERC Account 343										
Prime Movers										
Inlet Duct Arrangement	TN	12	60	720	180.40	129,888	0.00	0	40 00	28,800
Control Compartment	TN	12	24	288	180.40	51,955	0.00	0	40.00	11,520
Accessory Compartment	TN	12	42	498	180.40	89,839	0 00	0	40 00	19,920

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	180 40	7,144	0 00	0	40 00	1,584
Coupling and Guards accessory	TN	12	0	3	180 40	455	0 00	0	40 00	101
Gas Turbine Compartment	TN	12	139	1,669	180 40	301,015	0 00	0	40 00	66,744
Air Turbine Duct Compartment	TN	12	0	4	180 40	801	0 00	0	40 00	178
Aircoustat - Turbine Compartment	TN	12	0	3	180 40	585	0 00	0	40.00	130
Frame, Side inlet	TN	12	3	30	180 40	5,412	0.00	0	40 00	1,200
Enclosure - turbine	TN	12	1	9	180 40	1,624	0 00	0	40 00	360
Exhaust /system Arrangement	TN	12	87	1,038	180 40	187,255	0 00	0	40.00	41,520
Bus duct	TN	12	2	19	180.40	3,464	0 00	0	40.00	768
Protected Aisle	TN	12	4	42	180.40	7,577	0 00	0	40 00	1,680
Unit Structural Steel - each GT	TN	12	60	720	180 40	129,888	0 00	0	40.00	28,800
Unit Concrete foundation - each GT	CY	12	162	1,941	54 00	104,833	83 00	161,133	0 00	0
Insulation - Fiberglass	CY	12	280	3,360	41 00	137,760	6.00	20,160	0 00	0
Total Account 343						1,159,494		181,293		203,304
FERC Account 344										
Generators										
Generator - Electric	TN	12	148	1,773	180 40	319,849	0 00	0	40 00	70,920
Generator - Copper	TN	1	29	29	401 80	11,652	0 00	0	1,000 00	29,000
Excitation	TN	12	7	84	180.40	15,154	0 00	0	40.00	3,360
Insulation - Fiberglass	CY	12	70	840	41 00	34,440	n/a	0	0.00	0
Total Account 344						381,095		0		103,280
FERC Account 345										
Accessory Electric Equipment										
Structural Supports	TN	1	9	9	180 40	1,624	0 00	0	40 00	360
Transformers - Lighting	TN	1	1	1	291 10	291	0 00	0	40 00	40
Main Transformers - one per two GTs	TN	6	30	180	180 40	32,472	0 00	0	40.00	7,200
Cranking Motor Transformers - one per two GTs	TN	6	4	23	180 40	4,200	0 00	0	40 00	931
Aux Transformers - one per two GTs	TN	6	2	14	180.40	2,468	0 00	0	40 00	547
Transformer Copper	TN	1	15	15	303.40	4,509	0 00	0	1,000 00	14,860
Switchgears	TN	12	7	86	180 40	15,587	0 00	0	40.00	3,456
Total Account 345						61,149		0		27,394
TOTAL FT. MYERS GAS TURBINES						1,700,692		449,413		365,110
TOTAL FT. MYERS COMMON, UNITS 1 & 2 & GAS TURBINES						10,180,882		4,679,104		2,556,183

MANATEE PLANT

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Manatee Plant

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 estimated retirement dates for these units are as follows:

Unit	Year
Unit 1	2012
Unit 2	2012
Common	2012

The dismantlement of the plants is assumed to require 2 years beginning in 2017.

The steam generator for each unit is a 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.

Florida Power & Light Company last requested and received approval for dismantlement accruals for the Manatee plant in Docket No. 981166-EI, Order No. PSC-00-0293-PAA-EI, issued on February 14, 2000. The current accruals became effective as of January 1, 1999.

MANATEE
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Manatee Common				
	Production Plant				
311	Structures and Improvements	2,154,951	2,750,447	103,137	4,802,261
312	Boiler Plant Equipment	55,371	0	11,808	43,564
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	149,422	124,943	31,421	242,945
316	Miscellaneous Equipment	808	0	163	645
	Subtotal	2,360,553	2,875,390	146,529	5,089,414
	Other Site Costs.				
	Site Mangement Expenses	868,070			868,070
	Intake & Discharge Backfill	90,043			90,043
	Grading & Seeding	2,241,331			2,241,331
	Subtotal	3,199,444	0	0	3,199,444
	Manatee Fuel Oil Storage Facility				
311	Structures and Improvements	2,274,884	2,286,780	379,002	4,182,662
312	Boiler Plant Equipment	0	0	0	0
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	143,054	1,365	85,158	59,261
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	2,417,938	2,288,145	464,160	4,241,923
	Total Common excluding Unusable M&S Inventory	7,977,935	5,163,535	610,689	12,530,781
	Contingency - 16%	1,276,470	826,166		2,102,635
	Total Manatee Common including Contingency	9,254,404	5,989,700	610,689	14,633,416
	Unusable M&S Inventory	2,251,618		225,162	2,026,456
	Total Manatee Common including Unusable M&S Inventory	11,506,022	5,989,700	835,851	16,659,872
	Manatee Units 1 & 2				
311	Structures and Improvements	4,432,728	2,306,759	104,221	6,635,266
312	Boiler Plant Equipment	7,572,911	3,047,220	1,424,431	9,195,700
314	Turbogenerator Units	1,067,455	492,641	862,932	697,163
315	Accessory Electrical Equipment	1,572,870	1,074,164	640,374	2,006,660
316	Miscellaneous Equipment	87,267	0	11,003	76,264
	Subtotal	14,733,230	6,920,784	3,042,960	18,611,054
	Contingency - 16%	2,357,317	1,107,325		3,464,642
	Total Manatee Units 1 & 2	17,090,547	8,028,109	3,042,960	22,075,696
	Total Dismantlement Costs	28,596,569	14,017,809	3,878,811	38,735,568

MANATEE
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Manatee Common	5,552,643	5,953,380	5,989,700	835,851	16,659,872
Manatee Units 1 & 2	10,254,328	6,836,219	8,028,109	3,042,960	22,075,696
Total	15,806,971	12,789,598	14,017,809	3,878,811	38,735,568

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 PGD. 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.

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 is an asbestos free site.

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 end of service. The end of service dates used for this assumption conform to the economic recovery period ending dates used in the Manatee depreciation study submitted in 2002 (on an information only basis), using plant data as of December 31, 2001.

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 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 were developed by FPL's Power Generation Division (PGD). The crew rate per man-hour is for a crew consisting of six journeymen laborers, one laborer foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a Trojan 3500Z front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. 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 for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$27.55	X	6	=	$165.28
Foreman	$35.37	X	1	=	$35.37
Heavy Equipment Operator	$32.97	X	1	=	$32.97
Total Cost per hour of 8 man crew					$233.62
Cost per man hour		$233.62	/ 8	=	$29.20

Equipment Rate

The equipment rate is based on the following equipment:

Excavator					15,961.61
Front End Loader					5,471.12
Cutting Equipment					208.12
Total per month					$21,640.85
21,640.85	/ 176	hours per month =			122.96
Cost per man hour		$122.96	/ 8	=	$15.37
Plus: amount for small tools					0.80
Total Cost per man hour					$16.17

Equipment & Labor Summary

Labor	$29.20
Equipment	16.17
Total	$45.37
Rounded	$45.00
For Concrete demolition add $4.00 per hour additional equipment charge.	$49.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$45.00	2.50 MH / Ton	$112.50 / Ton
Heavy Steel (2)	$45.00	3.30 MH / Ton	$148.50 / Ton
General Steel	$45.00	4.40 MH / Ton	$198.00 / Ton
Light Steel	$45.00	7.10 MH / Ton	$319.50 / Ton
Concrete	$49.00	0.48 MH / CY	$23.52 / CY
Reinforced Concrete	$49.00	1.20 MH / CY	$58.80 / CY
Copper-Elect. Cable & Generator Leads &	$45.00	12.00 MH / Ton	$540.00 / Ton
Copper - Generator	$45.00	9.80 MH / Ton	$441.00 / Ton
Copper - Transformer	$45.00	7.40 MH / Ton	$333.00 / Ton
General Insulation	$45.00	1.00 MH / CY	$45.00 / CY
Inground Pipe-Metal(3)	$45.00	6.00 MH / Ton	$270.00 / Ton
Concrete Pipe	$49.00	4.60 MH / Ton	$225.40 / 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 $42.50/ton. These rates were obtained from Waste Management Inc. charges are: $275 per haul for a 20 cy dumpster and $345 per haul for a 30 cy dumpster. For the 20 cubic yard dumpster, the first seven tons are included in the per-haul charge. For the 30 cubic yard dumpster, the first nine tons are included in the per-haul charge. Any weight over those limits have a $42.50 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

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	$275.00	/ haul	X	1 haul.		275.00
Tipping Fees	$42.50	/ ton	X	23.5 tons	=	998.75
Total Cost per round Trip						1,273.75
Cost per Cubic Yard	$1,273.75	/ 15.38 cubic yards =				$82.82
Plus 10% contractor profit						8.28
Total Cost per Cubic Yard						$91.10
Rounded Cost per Cubic Yard						$91.00

Insulation - Calcium Silicate (Non-Hazardous)

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

Dumpster Cost	$345.00	/ haul	X	1 haul	=	345.00
Tipping Fees	$0.00	/ ton	X	1.82 tons	=	0.00
Total Cost per round Trip						345.00
Cost per Cubic Yard	$345.00	/ 27 cubic yards =				$12.78
Plus 10% contractor profit						1.28
Total Cost per Cubic Yard						$14.06
Rounded Cost per Cubic Yard						$14.00

SALVAGE VALUE FACTORS

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

Iron & Steel	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable:	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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: $15.996.54 per month for FPL's expenses, both office and site, and $20,173.03 per month for site indirect costs (contractors' expenses). These expenses are assumed to be incurred over the 24 months dismantlement period used for the Manatee plant. FPL's management costs include administration, engineering, permit costs and various other costs. Contractor's expenses include field management, security, etc..

Site Management Expenses per month	$36,170
Number of months	24.00
Total Site Mangement Expenses	$868,070

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 for the intake is $32,242, the cost to back-fill the discharge is $25,559. Total back-fill cost is computed as follows:

	Cost/Structure	Quantity	Totals	
Intake	$32,242	2	$64,484	*
Discharge	$25,559	1	$25,559	
			$90,043	

* Manatee's Intake Structure is larger than average so for costing purposes, it is treated as 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 is $46,118 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.

Manatee Acreage to be graded and seeded	48.60
Cost Factor	$46,118
Total Grading and Seeding Expense	$2,241,331

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
MANATEE COMMON										
FERC Account 311										
Improvements to Site										
Structures										
Roads (asphalt)	CY	1	2,490 00	2,490 00	23 52	58,565	91 00	226,590	0 00	0
Walks, Yard Paving, Parking(asphalt/concrete)	CY	1	1,323 00	1,323 00	23 52	31,117	91 00	120,393	0 00	0
Yard Lighting - Copper Wiring	TN	1	3 42	3 42	540 00	1,848	0.00	0	700 00	2,395
Yard Lighting - Conduit (aluminum)	TN	1	24 06	24 06	270 00	6,497	0 00	0	600 00	14,438
Railroad Rails - Steel	TN	1	549 83	549 83	319 50	175,672	0 00	0	40 00	21,993
Railroad Cross-ties	TN	1	824 78	824 78	23 52	19,399	91 00	75,055	0 00	0
Subtotal						293,097		422,038		38,826
Domestic Water Supply										
Piping, Vlvs Under 4" - Steel	TN	1	41 88	41 88	319 50	13,382	0 00	0	40 00	1,675
Subtotal						13,382		0		1,675
Storm & Sanitary Sewer System										
Oil Separator Tank - 4000 gal (fiberglass)	TN	2	4 20	8 39	319 50	2,681	0 00	0	40 00	336
Oil Separator Pump/ Motor	TN	2	1 00	2 00	319 50	639	0 00	0	40 00	80
Water Collecting Pond - Reinforced Concrete	CY	1	594 00	594 00	58 80	34,927	91 00	54,054	0 00	0
Sewage Treatment - Misc Steel & Piping	TN	1	2 50	2 50	198 00	495	0 00	0	40 00	100
Sewage Treatment - Disposal Tanks (total)	TN	1	6 85	6 85	198 00	1,356	0 00	0	40.00	274
Septic Tank - 750 gal (concrete)	TN	1	1 32	1 32	225 40	298	0 00	0	0 00	0
Catch Basins & Manholes - Reinforced Concrete	CY	1	692.00	692.00	58 80	40,690	91 00	62,972	0 00	0
Subtotal						81,085		117,026		790
Yard Fire Protection System										
Motor-driven Fire Pump/ Motor	TN	1	3 55	3 55	198 00	703	0 00	0	40 00	142
Fire Pump/ Motor Foundation - Reinf Conc	CY	1	31 00	31 00	58 80	1,823	91 00	2,821	0 00	0
Engine-driven Fire Pump/ Motor	TN	1	1 21	1 21	198 00	240	0 00	0	40 00	48
Subtotal						2,765		2,821		190
Circulating and Service Water System										
Intake Structure										
Structures/ Foundations - Reinforced Concrete	CY	1	9,258 00	9,258 00	58 80	544,370	91 00	842,478	0 00	0
Structural Steel	TN	1	19 00	19 00	148.50	2,822	0 00	0	40 00	760
Handrailing, Grating, Checkerplate - Steel	TN	1	1 75	1 75	198 00	347	0 00	0	40 00	70
Cofferdam - Steel	TN	1	156 67	156 67	198 00	31,021	0 00	0	40 00	6,267
40-Ton Gantry Crane	TN	1	91 00	91 00	148 50	13,514	0 00	0	40 00	3,640
40-Ton Gantry Crane Track Rail - Steel	TN	1	4 65	4 65	319 50	1,486	0 00	0	40 00	186
Stop Logs - Reinforced Concrete	CY	1	47 11	47 11	58.80	2,770	91 00	4,287	0 00	0
Conduit - Aluminum	TN	1	1 49	1 49	319 50	477	0.00	0	600.00	896
Subtotal						596,805		846,765		11,819
Service Water System										
Foundation/ Slab - Reinforced Concrete	CY	1	879 00	879 00	58 80	51,685	91 00	79,989	0 00	0
Structural Steel	TN	1	33 00	33 00	148 50	4,901	0 00	0	40 00	1,320
Well Water Pump w/ motor	TN	3	2 27	6 81	198 00	1,348	0 00	0	40.00	272
Demineralizer w/ 7.5 hp motor	TN	2	1.18	2 36	198 00	467	0.00	0	40 00	94
Demineralizer w/ 15 hp motor	TN	2	1.68	3.36	198 00	665	0 00	0	40 00	134
Conveyer System w/ 2 hp motor	TN	1	2 50	2.50	198 00	495	0 00	0	40.00	100
Coagulator Tank w/ motor	TN	1	19 90	19.90	148 50	2,955	0 00	0	40.00	796
Lime Tank & Mixer - Steel	TN	1	1 22	1 22	198 00	242	0 00	0	40 00	49

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
Alum Tank & Mixer - Steel	TN	1	1 62	1 62	198 00	321	0 00	0	40 00	65
Clearwell Tank - Steel	TN	1	25 00	25 00	148.50	3,713	0 00	0	40 00	1,000
Acid Feed Tank - Steel	TN	1	7 50	7 50	198 00	1,485	0 00	0	40 00	300
Sand Filter Tank - Steel	TN	4	12 60	50 40	148 50	7,484	0 00	0	40 00	2,016
Carbon Filter Tank - Steel	TN	1	1 79	1 79	198 00	353	0 00	0	40 00	71
Conduit - Aluminum	TN	1	1 75	1 75	319 50	558	0 00	0	40 00	70
Subtotal						76,672		79,989		6,288
Raw Water Make-up System										
Raw Water Storage Tank - 500,000 gal	TN	1	55 00	55 00	148 50	8,168	0 00	0	40 00	2,200
Foundation - Reinforced Concrete	CY	1	203 00	203 00	58 80	11,936	91 00	18,473	0 00	0
Piping, Vlvs 4" to 8" - Steel	TN	1	3 67	3 67	319 50	1,172	0 00	0	40 00	147
Piping, Vlvs - Fiberglass	TN	1	33 94	33 94	270.00	9,165	0 00	0	0 00	0
Subtotal						30,440		18,473		2,347
Open Cooling Water System										
36" Piping/ Misc Vlvs - Iron	TN	1	4 82	4 82	270 00	1,301	0 00	0	40 00	193
Subtotal						1,301		0		193
Other Service Water System										
Service Water Pump w/ 125 hp motor	TN	2	1 12	2 25	198 00	445	0 00	0	40 00	90
Treated Water Storage Tank - 500,000 gal	TN	1	55 00	55 00	148 50	8,168	0 00	0	40 00	2,200
Potable Water Storage Tank - 14,000 gal	TN	1	5 50	5 50	198 00	1,089	0 00	0	40 00	220
Water Treatment Area Foundations - Reinf Conc	CY	1	859 00	859 00	58 80	50,509	91 00	78,169	0 00	0
Piping, Vlvs Under 4" - Steel	TN	1	62 26	62 26	319 50	19,891	0.00	0	40 00	2,490
Piping, Vlvs 4" to 8" - Steel	TN	1	58 14	58 14	198 00	11,512	0 00	0	40 00	2,326
Subtotal						91,614		78,169		7,326
Neutralization Basin										
Acid Retention Basin - Reinforced Concrete	CY	1	584 00	584 00	58 80	34,339	91 00	53,144	0 00	0
Recovered Service Water Pump w/ motor	TN	2	2.25	4 50	198 00	891	0 00	0	40 00	180
Recovered Service Water Basin - Reinf Conc	CY	1	151 00	151 00	58 80	8,879	91 00	13,741	0 00	0
Waste Water Treatment Control Panel	TN	1	1 55	1 55	319 50	495	0 00	0	40 00	62
Piping, Vlvs - Fiberglass	TN	1	16 26	16 26	319 50	5,194	0 00	0	0 00	0
Subtotal						49,798		66,885		242
Discharge Structure										
Circ Water Discharge Sluice Gate - Iron	TN	2	5 50	11 00	198 00	2,178	0 00	0	40 00	440
Structure - Reinforced Concrete	CY	1	2,057 00	2,057 00	58 80	120,952	91 00	187,187	0 00	0
Subtotal						123,130		187,187		440
Station Structures										
Calibration Shop - Concrete Block 2,000 sf	CY	1	31.02	31 02	23 52	730	91.00	2,823	0.00	0
Acid Lift Station Pump w/ 100 hp motor	TN	2	4 80	9 60	198 00	1,900	0 00	0	40 00	384
Acid Lift Station Pump w/ 100 hp motor	TN	2	4.59	9 18	198 00	1,817	0 00	0	40 00	367
90-Ton Gantry Crane w/ 30-Ton Auxiliary Hoist	TN	1	178 90	178 90	148 50	26,567	0 00	0	40 00	7,156
90-Ton Gantry Crane Track Rail - Steel	TN	1	20 00	20 00	319 50	6,390	0 00	0	40 00	800
Control Bldg Foundation - Reinforced Concrete	CY	1	398 00	398 00	58 80	23,402	91 00	36,218	0.00	0
Control Bldg - Aluminum Siding 20,364 sf	TN	1	15 27	15 27	319 50	4,879	0 00	0	40 00	611
Control Bldg - Concrete Block 6,820 sf	CY	1	105 77	105 77	23 52	2,488	91 00	9,625	0 00	0
Control Bldg - Aluminum Sheet Metal 8,100 sf	TN	1	12 15	12 15	319 50	3,882	0 00	0	40 00	486
Control Bldg - Built-up Roofing 2,850 sf	TN	1	8 55	8 55	23 52	201	91 00	778	0 00	0
Control Bldg Phone Eqpmnt Room - Struc Steel	TN	1	7 60	7 60	148 50	1,129	0 00	0	40 00	304

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
Personnel Elevator - 2,000 lb capacity	TN	1	6 36	6 36	198 00	1,260	0 00	0	40 00	255
Freight Elevator - 10,000 lb capacity	TN	1	9 00	9 00	198 00	1,782	0 00	0	40 00	360
Freight Elevator - Structural Steel	TN	1	19 65	19 65	148 50	2,918	0 00	0	40 00	786
Subtotal						79,343		49,444		11,508
Fuel and Ash Structures										
Ash Disposal Basin - Reinforced Concrete	CY	1	2,852 00	2,852 00	58 80	167,698	91 00	259,532	0 00	0
Ash Disposal Basin - PH Analyzer	TN	1	2 00	2 00	319 50	639	0 00	0	40 00	80
Ash Disposal Basin Guard Rails 750 lf	TN	1	1 88	1 88	198 00	372	0 00	0	40 00	75
Fuel Oil Transfer Pump w/ 100 hp motor	TN	3	3 20	9 60	198 00	1,901	0 00	0	40 00	384
F/O Transfer Pump Basket Strainer - Iron	TN	3	1 16	3.47	198 00	688	0 00	0	40 00	139
Fuel Oil Transfer Heater - Steel	TN	4	9 23	36 92	198 00	7,310	0.00	0	40 00	1,477
Day/ Light Oil Tank Fndtns/ Dike - Reinf Conc	CY	1	1,559 00	1,559 00	58 80	91,669	91 00	141,869	0 00	0
Day/ Light Oil Tank Fire Wall - Reinf Conc	CY	1	477 00	477 00	58 80	28,048	91 00	43,407	0 00	0
Piping, Vlvs Under 4"- Steel	TN	1	19 96	19 96	319 50	6,376	0.00	0	40 00	798
Piping, Vlvs 4" to 8" - Steel	TN	1	4 84	4 84	198 00	959	0 00	0	40 00	194
Piping, Vlvs Over 8" - Steel	TN	1	217.10	217 10	148 50	32,239	0 00	0	40 00	8,684
Piping Supports - Reinforced Concrete	CY	1	966.00	966 00	58 80	56,801	91 00	87,906	0 00	0
Pipe Sleeves & Anchor Plates - Steel	TN	1	10.00	10 00	319 50	3,195	0 00	0	40 00	400
Piping 4" to 8" - Iron	TN	1	6 75	6 75	270.00	1,823	0 00	0	40 00	270
Piping Over 8" - Iron	TN	1	1.45	1 45	270 00	392	0 00	0	40 00	58
Insulation	CY	1	3 96	3 96	45 00	178	14 00	55	0 00	0
Subtotal						400,286		532,769		12,559
Service Building										
Spread Footings - Reinforced Concrete	CY	1	135 00	135 00	58 80	7,938	91 00	12,285	0 00	0
Structural Steel	TN	1	30 00	30 00	148 50	4,455	0 00	0	40 00	1,200
Walls - Concrete Block 31,877 sf	CY	1	494 39	494 39	23.52	11,628	91 00	44,989	0 00	0
Columns & Tie Beams - Reinforced Concrete	CY	1	333 00	333 00	58 80	19,580	91.00	30,303	0 00	0
Slabs & Landings - Reinforced Concrete	CY	1	338 00	338 00	58 80	19,874	91 00	30,758	0 00	0
Interior Partitions - Conc Block 8,875 sf	CY	1	137 64	137 64	23 52	3,237	91 00	12,526	0 00	0
Pre-cast Floor Slabs - Concrete	CY	1	370 26	370 26	23 52	8,709	91 00	33,694	0 00	0
Pre-cast Roof Slabs - Concrete	CY	1	422 82	422 82	23 52	9,945	91 00	38,477	0 00	0
Built-up Roofing	TN	1	72 37	72 37	23 52	1,702	91 00	6,586	0 00	0
Air Conditioning Unit - 240,000 BTU	TN	1	2 25	2 25	198 00	446	0 00	0	40 00	90
Air Conditioning Unit - 167,000 BTU	TN	1	2 20	2 20	198 00	436	0 00	0	40 00	88
Air Conditioning Unit - 142,000 BTU	TN	1	1 00	1 00	319 50	320	0 00	0	40 00	40
5-Ton Machine Shop Bridge Crane	TN	1	2 37	2 37	198 00	469	0 00	0	40 00	95
Conduit - Aluminum	TN	1	1 78	1 78	319 50	569	0 00	0	40 00	71
Piping, Vlvs Under 4" - Steel	TN	1	12 92	12 92	319 50	4,128	0.00	0	40 00	517
Piping, Vlvs 4" to 8" - Steel	TN	1	2 50	2.50	198 00	494	0 00	0	40 00	100
Piping 4" to 8" - Iron	TN	1	9 80	9 80	270 00	2,645	0 00	0	40 00	392
Subtotal						96,575		209,617		2,593
Other Buildings										
Foundations - Reinforced Concrete	CY	1	353 00	353 00	58 80	20,756	91 00	32,123	0 00	0
Walls - Concrete Block 8,162 sf	CY	1	126 59	126 59	23.52	2,977	91 00	11,519	0 00	0
Pre-cast Roofs - Concrete	CY	1	60.48	60 48	23.52	1,422	91.00	5,504	0 00	0
Built-up Roofing	TN	1	11 30	11 30	23.52	266	91 00	1,028	0 00	0
Roof Supports - Steel (Intake Chlorntr Bldg)	TN	1	1 86	1 86	198.00	368	0 00	0	40 00	74
Subtotal						25,790		50,174		74
Warehouses										

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
Foundations - Reinforced Concrete	CY	1	979 00	979 00	58 80	57,565	91 00	89,089	0 00	0
Structural Steel	TN	1	574 00	574 00	148 50	85,239	0 00	0	0 00	0
Siding/ Roofing - Aluminum	TN	1	154 69	154 69	319 50	49,423	0 00	0	40 00	6,188
Fencing - Aluminum	TN	1	2.00	2 00	319 50	639	0 00	0	40 00	80
Subtotal						192,867		89,089		6,268
Total Account 311						2,154,951		2,750,447		103,137
FERC Account 312										
Boiler Plant Service Equipment										
Feed Water System										
Strong Acid Cation Exchanger - Steel	TN	2	35 25	70 50	148 50	10,469	0 00	0	40 00	2,820
Weak Base Anion Exchanger - Steel	TN	2	19 50	39 00	148 50	5,792	0 00	0	40 00	1,560
Strong Base Anion Exchanger - Steel	TN	3	10 90	32 70	148 50	4,856	0 00	0	40 00	1,308
Mixed Bed Ion Exchanger - Steel	TN	2	11 68	23 35	148 50	3,467	0 00	0	40 00	934
Air Compressor - 308 cfm w/ 40 hp motor	TN	1	1 00	1 00	319 50	320	0 00	0	40 00	40
Acid Storage Tank - Steel	TN	1	48 50	48 50	148 50	7,202	0 00	0	40 00	1,940
Caustic Storage Tank -Steel	TN	1	7 50	7 50	198 00	1,485	0 00	0	40 00	300
Brine Measuring Tank - Steel	TN	1	3 66	3 66	198 00	725	0 00	0	40 00	146
Brine Recirculation Control Panel - Steel	TN	1	5 16	5 16	319 50	1,650	0 00	0	40 00	207
* Subtotal						35,965		0		9,255
Boiler Wash System										
Caustic Wash Service Tank/ Agitator - Steel	TN	1	3 52	3 52	198 00	696	0 00	0	40 00	141
Caustic Wash Mixing Tank/ Agitator - Steel	TN	1	2 65	2 65	198 00	525	0 00	0	40 00	106
Lime Slurry Mixing Tank/ Agitator - Steel	TN	1	1 93	1 93	198 00	381	0 00	0	40 00	77
Piping, Vlvs Under 4" - Steel	TN	1	55 72	55 72	319 50	17,804	0 00	0	40 00	2,229
Subtotal						19,406		0		2,553
Total Account 312						55,371		0		11,808
FERC Account 315										
Accessory Electrical Equipment										
Power Conversion Equipmemt										
Start-up Transformer (6 9kva)	TN	1	59 30	59 30	319 50	18,946	0 00	0	40 00	2,372
Start-up Switchgear (6 9kva)	TN	1	13 80	13 80	319 50	4,409	0 00	0	40 00	552
6,900V Non-segregated Phase Bus	TN	1	6 78	6 78	319 50	2,166	0 00	0	40 00	271
Start-up Transformer Foundation - Reinf Conc	CY	1	184 00	184 00	58 80	10,819	91.00	16,744	0 00	0
Station Svc Trnsfrmr - 2,500 kva (oil-cooled)	TN	1	7 80	7 80	319 50	2,492	0 00	0	40 00	312
Manholes & Handholes - Reinforced Concrete	CY	1	499.00	499 00	58 80	29,341	91 00	45,409	0.00	0
480V Motor Control Center	TN	1	3 50	3 50	319 50	1,118	0 00	0	40 00	140
2400V Switchgear	TN	1	7 57	7 57	319 50	2,417	0.00	0	40 00	303
Neutral Grounding Transformer - Steel	TN	2	4.00	8 00	319.50	2,556	0.00	0	40 00	320
Transformer Copper	TN	1	28 44	28 44	333 00	9,471	0 00	0	700 00	19,908
Emergency Diesel Generator & Accessories	TN	1	12 12	12 12	198 00	2,401	0 00	0	40 00	485
480V Emergency Diesel Load Center/ Switchgear	TN	1	3 70	3 70	319 50	1,182	0 00	0	40 00	148
Underground Conduit, Ducts - Reinf Concrete	CY	1	690 00	690 00	58 80	40,572	91 00	62,790	0 00	0
Conduit (underground) - Steel	TN	1	47.70	47.70	270.00	12,879	0 00	0	0 00	0
Conduit (exposed) - Steel	TN	1	11 12	11 12	319 50	3,553	0.00	0	0 00	0
Copper Wiring - Insulated	TN	1	9.44	9 44	540 00	5,099	0 00	0	700 00	6,610
Total Account 315						149,422		124,943		31,421
FERC Account 316										

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
Miscellaneous Power Plant Equipment										
Station Air Compressor (880 CFM) w/ motor	TN	1	4 08	4 08	198 00	808	0 00	0	40 00	163
Total Account 316						808		0		163
TOTAL MANATEE COMMON						2,360,553		2,875,390		146,529
MANATEE UNITS 1 & 2										
FERC Account 311										
Improvements to Site										
Yard Piping Bridge										
Structural Steel	TN	1	164 00	164 00	148 50	24,354	0 00	0	40 00	6,560
Subtotal						24,354		0		6,560
Storm & Sanitary Sewer System										
Piping, Vlvs 4" to 8" - Steel	TN	1	13 56	13 56	198 00	2,686	0 00	0	40 00	543
Piping, Vlvs 4" to 8" - Iron	TN	1	95 71	95 71	270 00	25,842	0 00	0	40 00	3,828
Piping, Vlvs Over 8" - Iron	TN	1	71 64	71 64	270 00	19,343	0 00	0	40 00	2,866
Fiberglass Piping, Vlvs	TN	1	12 18	12 18	270 00	3,288	0 00	0	40 00	487
Piping Over 8" - Reinforced Concrete	TN	1	300 08	300 08	225 40	67,638	0.00	0	0 00	0
Subtotal						118,796		0		7,724
Yard Fire Protection System										
Piping, Vlvs 4" & Under - Steel	TN	1	5 02	5 02	319 50	1,603	0 00	0	40 00	201
Piping, Vlvs 4" to 8" - Steel	TN	1	6 00	6 00	198 00	1,189	0 00	0	40 00	240
Piping 4" to 8" - Iron	TN	1	2 16	2 16	270 00	583	0 00	0	40 00	86
Piping Over 8" - Iron	TN	1	132 39	132 39	270 00	35,746	0 00	0	40 00	5,296
Subtotal						39,120		0		5,823
Circulating and Service Water System										
Open Cooling Water System										
Intake Cooling Water Pump w/ motor	TN	2	6 90	27 60	198 00	5,465	0 00	0	40 00	1,104
Pump Basket Strainer (30") - Steel	TN	2	3 99	15 95	198 00	3,158	0 00	0	40 00	638
36" Piping - Reinforced Concrete	TN	1	1,034 91	2,069 82	225 40	466,537	0 00	0	0 00	0
Piping, Vlvs Under 4" - Steel	TN	1	58 27	116 54	319 50	37,235	0 00	0	40 00	4,662
Piping, Vlvs 4" to 8" - Steel	TN	1	35 23	70 45	198 00	13,949	0 00	0	40 00	2,818
Subtotal						526,344		0		9,222
Intake Structure Equipment & Piping										
Traveling Water Screen - Steel	TN	4	18 03	144 25	148 50	21,421	0 00	0	40 00	5,770
Screen Wash Pump w/ motor	TN	4	2 13	17 00	198 00	3,366	0 00	0	40.00	680
Trash Rake - Aluminum	TN	4	2 00	16 00	319 50	5,112	0 00	0	40 00	640
5-ton Electric Hoist	TN	1	1 50	3 00	198 00	594	0 00	0	40 00	120
Intake Piping (66") - Reinforced Concrete	TN	1	5,474 10	5,474 10	225 40	1,233,862	0 00	0	0 00	0
Subtotal						1,264,356		0		7,210
Discharge Piping										
Discharge Piping (66") - Reinforced Concrete	TN	1	615 26	615 26	225 40	138,679	0 00	0	0 00	0
Discharge Piping (114") - Reinforced Concrete	TN	1	2,764.80	2,764 80	225 40	623,186	0 00	0	0 00	0
Subtotal						761,865		0		0
Station Structures										
Spread Footings - Reinforced Concrete	CY	1	11,966 00	11,966.00	58.80	703,601	91 00	1,088,906	0.00	0
Footings, Piers & Grade Beams - Reinf Conc	CY	1	6,393 00	6,393 00	58 80	375,908	91 00	581,763	0 00	0

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
Ground Floor Slabs - Reinforced Concrete	CY	1	4,387.00	4,387 00	58 80	257,956	91 00	399,217	0.00	0
Turbine Generator Building - Structural Steel	TN	1	892 00	892 00	148 50	132,462	0 00	0	40 00	35,680
T-G Bldg - Stairways & Handrailing 4,377 lf	TN	1	60 16	60 16	198 00	11,912	0 00	0	40 00	2,406
Elevated Slabs - Reinforced Concrete	CY	1	1,733 00	1,733 00	58 80	101,900	91 00	157,703	0 00	0
Grating & Floor Plating - Steel 7,146 sf	TN	1	39 03	78 06	198 00	15,456	0 00	0	40 00	3,122
Lift Station Structure/ Fndation - Reinf Conc	CY	1	870 00	870 00	58 80	51,156	91 00	79,170	0 00	0
Lift Station Pump w/ 40 hp motor	TN	2	1.30	5 20	198 00	1,030	0 00	0	40 00	208
Lift Station Pump w/ 125 hp motor	TN	2	2 42	9 68	198 00	1,917	0.00	0	40 00	387
Conduit - Aluminum	TN	1	31 84	31 84	319 50	10,173	0 00	0	600 00	19,105
Insulated Copper Wiring	TN	1	2 90	2 90	540 00	1,567	0 00	0	700 00	2,031
Piping, Vlvs Under 4" - Steel	TN	1	2.98	2 98	319 50	951	0.00	0	40 00	119
Piping, Vlvs 4" to 8" - Steel	TN	1	30 87	30 87	198 00	6,112	0 00	0	40 00	1,235
Piping, Vlvs Over 8" - Steel	TN	1	3 90	3 90	148 50	579	0 00	0	40 00	156
Piping, Vlvs Under 4" - Iron	TN	1	1 34	1 34	270 00	362	0 00	0	40 00	54
Piping, Vlvs 4" to 8" - Iron	TN	1	44 50	44 50	270 00	12,015	0 00	0	40 00	1,780
Piping, Vlvs Over 8" - Iron	TN	1	34 98	34 98	270 00	9,444	0 00	0	40 00	1,399
15" Piping - Reinforced Concrete	TN	1	15.05	15 05	225 40	3,392	0 00	0	0 00	0
Subtotal						1,697,892		2,306,759		67,682
Total Account 311						4,432,728		2,306,759		104,221
FERC Account 312										
Boiler Plant Service Equipment										
Fuel Oil Day Tank - Steel 24,000 bbl	TN	1	105 00	210 00	0 00	28,562	0 00	0	40 00	8,400
Light Oil Tank - Steel 2,000 bbl	TN	1	16 00	16 00	0 00	5,712	0 00	0	40 00	640
Foundation - tanks					0 00	109,463	n/a	0	0 00	0
Fuel Oil Tank Cleaning					n/a	0	n/a	30,633	0 00	0
Sand base removal					n/a	0	n/a	44,908	0 00	0
Fuel Oil Burner Pump Heater - Steel	TN	1	7 08	14 16	198 00	2,804	0 00	0	40 00	566
Burner Fuel Oil Heater - Steel	TN	6	3 92	46 98	198 00	9,302	0 00	0	40 00	1,879
Fuel Oil Burner Pump/ Motor	TN	3	2 42	14 52	198 00	2,875	0 00	0	40 00	581
Basket Strainer (18") - Steel	TN	2	1 16	4 63	198 00	917	0 00	0	40 00	185
Fuel Oil Burner Booster Pump w/ motor	TN	2	4 74	18 96	198 00	3,754	0 00	0	40.00	758
Forced Draft Fan	TN	4	20 30	162 40	148 50	24,116	0 00	0	40 00	6,496
Forced Draft Fan Motor	TN	4	13 26	106 04	148 50	15,747	0 00	0	40.00	4,242
Forced Draft Fan Hydraulic Coupling	TN	4	7 75	62 00	198 00	12,276	0 00	0	40.00	2,480
Gas Induction Fan	TN	2	36 50	146 00	148 50	21,681	0 00	0	40 00	5,840
Gas Induction Fan Motor	TN	2	12 70	50 80	148 50	7,544	0 00	0	40 00	2,032
Gas Induction Fan Hydraulic Coupling	TN	2	9.25	37 00	198 00	7,326	0 00	0	40 00	1,480
F/D Fan & G/I Fan Foundations - Reinf Conc	CY	1	2,500 00	2,500 00	58 80	147,000	91 00	227,500	0 00	0
Breeching Foundations - Reinforced Concrete	CY	1	130 00	260 00	58.80	15,288	91 00	23,660	0 00	0
Steel Support - Fan Removal	TN	1	136 00	272 00	148 50	40,392	0 00	0	40 00	10,880
Ductwork - Steel (53,761 sf x 1/4")	TN	1	274 18	548 37	198 00	108,576	0.00	0	40.00	21,935
Forced Draft Fan Hoist - 7 1/2 Ton	TN	2	1 35	5 40	198 00	1,069	0 00	0	40 00	216
Gas Induction Fan Hoist - 7 1/2 Ton	TN	2	1 19	4 76	198 00	942	0 00	0	40 00	190
Insulated Copper Wire	TN	1	4 17	8 34	540 00	4,503	0 00	0	700 00	5,838
Conduit - Aluminum	TN	1	19.90	39 81	319 50	12,719	0 00	0	600 00	23,885
Piping, Vlvs Under 4" - Steel	TN	1	122 18	122 18	319.50	39,038	0 00	0	40 00	4,887
Piping, Vlvs 4" to 8" - Steel	TN	1	80.37	80 37	198 00	15,912	0 00	0	40 00	3,215
Piping, Vlvs Over 8" - Steel	TN	1	118 31	118 31	148 50	17,569	0.00	0	40 00	4,733
Piping, Vlvs 4" to 8" - Iron	TN	1	39.50	39 50	270 00	10,664	0 00	0	40 00	1,580
Piping, Vlvs Over 8" - Iron	TN	1	66.35	66 35	270 00	17,914	0 00	0	40.00	2,654
Piping, Vlvs - Fiberglass	TN	1	1.75	1 75	270 00	473	0.00	0	0 00	0

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
15" Piping - Reinforced Concrete	TN	1	8 31	8 31	225 40	1,873	0 00	0	0 00	0
Piping Foundations - Reinforced Concrete	CY	1	214 00	214 00	58 80	12,583	91 00	19,474	0 00	0
Piping Insulation	CY	1	59 09	59 09	45 00	2,659	14 00	827	0 00	0
Subtotal						701,255		347,002		115,592
Boiler Plant Equipment										
Structural Steel	TN	1	2,915 00	5,830.00	148 50	865,755	0.00	0	40 00	233,200
Checkerplate - Steel 49,094 sf	TN	1	220.92	441 84	198 00	87,484	0.00	0	40 00	17,674
Handrailing - Steel 12,216 lf	TN	1	30 54	61 08	198.00	12,094	0 00	0	40 00	2,443
Steam Generation Unit - including										
Steam Drum, Internals, Supports	TN	2	272 50	1,090 00	148 50	161,865	0 00	0	40 00	43,600
Burner Area & Windboxes	TN	1	81 50	163 00	148 50	24,206	0.00	0	40 00	6,520
Penthouse Area	TN	1	816 50	1,633 00	148 50	242,501	0 00	0	40 00	65,320
Heat Recovery Area	TN	1	293 00	586 00	148 50	87,021	0 00	0	40 00	23,440
Hopper Area	TN	1	13 50	27 00	148 50	4,010	0 00	0	40 00	1,080
Water Walls/ Headers	TN	1	1,753 00	3,506 00	148 50	520,641	0 00	0	40 00	140,240
Downcomers	TN	1	675 00	1,350 00	148 50	200,475	0 00	0	40 00	54,000
Air Preheater	TN	2	667 50	2,670 00	148 50	396,495	0 00	0	40 00	106,800
Steam Coil Air Heater	TN	1	15 24	30 48	148 50	4,526	0 00	0	40 00	1,219
Superheater	TN	1	1,001 00	2,002 00	148 50	297,297	0 00	0	40 00	80,080
Reheater	TN	1	942 50	1,885 00	148 50	279,923	0 00	0	40 00	75,400
Economizer	TN	1	731.50	1,463 00	148 50	217,256	0 00	0	40 00	58,520
Flues/ Ductwork	TN	1	689 50	1,379 00	198 00	273,042	0 00	0	40 00	55,160
Boiler Setting - Insulation	CY	1	2,090 40	4,180 80	45 00	188,136	14 00	58,531	0 00	0
Soot Blower	TN	32	1 95	124 80	198 00	24,710	0 00	0	40 00	4,992
Soot Blower Support Steel	TN	1	20 00	40 00	198 00	7,920	0 00	0	40 00	1,600
Safety/ Relief Valves (total)	TN	1	14 00	28 00	198 00	5,544	0 00	0	40 00	1,120
Safety/ Relief Valve Silencers	TN	1	35 00	70 00	198 00	13,860	0 00	0	40 00	2,800
Instrument Air Compressor w/ 100 hp motor	TN	2	6 30	25 20	198 00	4,990	0 00	0	40 00	1,008
Instrument Air Dryer	TN	1	2 00	4 00	198 00	792	0 00	0	40 00	160
Compressor Foundations - Reinforced Concrete	CY	1	15 00	15 00	58 80	882	91.00	1,365	0 00	0
Boiler Combustion Controls	TN	1	3 50	7 00	319 50	2,237	0 00	0	40 00	280
Steam and Water Sampling System	TN	1	1 50	3 00	319 50	959	0 00	0	40 00	120
Air Preheater Cleaning & Washing System	TN	2	1 34	5 35	319 50	1,708	0 00	0	40 00	214
Piping, Vlvs Under 4" - Steel	TN	1	65 95	65 95	319 50	21,070	0 00	0	40 00	2,638
Piping, Vlvs 4" to 8" - Steel	TN	1	30 45	30 45	198 00	6,029	0 00	0	40 00	1,218
Piping, Vlvs Over 8" - Steel	TN	1	15 50	15 50	148 50	2,302	0 00	0	40 00	620
Piping Insulation	CY	1	8 34	8 34	45 00	375	14 00	117	0 00	0
Subtotal						3,956,103		60,013		981,466
Boiler Plant Auxiliaries										
Feedwater System										
#1 Low Pressure Feedwater Heater - Steel	TN	2	30.85	123 40	148 50	18,325	0 00	0	40 00	4,936
#2 Low Pressure Feedwater Heater - Steel	TN	2	21 95	87 80	148 50	13,038	0 00	0	40 00	3,512
#3 Low Pressure Feedwater Heater - Steel	TN	1	41 80	83 60	148 50	12,415	0 00	0	40 00	3,344
#4 Low Pressure Feedwater Heater - Steel	TN	1	42 80	85 60	148 50	12,712	0 00	0	40 00	3,424
#5 Low Pressure Feedwater Heater - Steel	TN	1	53 65	107 30	148 50	15,934	0 00	0	40.00	4,292
#6 High Pressure Feedwater Heater - Steel	TN	2	48 15	192 60	148 50	28,601	0 00	0	40 00	7,704
#7 High Pressure Feedwater Heater - Steel	TN	2	53 50	214 00	148.50	31,779	0.00	0	40 00	8,560
Condensate Recovery Drain Cooler - Steel	TN	1	1 00	2 00	319 50	639	0 00	0	40 00	80
Condensate Recovery Vent Condenser - Steel	TN	1	1 25	2 50	198.00	495	0.00	0	40 00	100
Boiler Feed Pump	TN	2	14.48	57 90	148.50	8,598	0 00	0	40 00	2,316
Boiler Feed Pump Motor	TN	2	13.03	52 10	148 50	7,737	0.00	0	40 00	2,084

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
Boiler Feed Pump Lube Oil Reservoir - Steel	TN	2	2 70	10 80	198 00	2,138	0 00	0	40 00	432
Boiler Feed Pump Lube Oil Batch Tank - Steel	TN	1	1 93	3 86	198 00	764	0.00	0	40 00	154
Boiler Feed Pump Lube Oil Conditioning Tank	TN	1	1 00	2 00	319 50	639	0 00	0	40 00	80
Heater Drain Pump/ Motor	TN	2	5 95	23 80	198 00	4,712	0 00	0	40 00	952
Heater Drain Pump Strainer - Steel	TN	2	1 00	4 00	319 50	1,278	0 00	0	40 00	160
Heater Drain Pmp/ Mtr Foundation - Reinf Conc	CY	1	10 00	20 00	58 80	1,176	91 00	1,820	0 00	0
Condensate Storage Tank - 400,000 gal	TN	1	48 00	96 00	148 50	14,256	0 00	0	40 00	3,840
Condensate Strg Tank Foundation - Reinf Conc	CY	1	420 00	420 00	58 80	24,696	91 00	38,220	0 00	0
Condensate Recovery Tank - Steel	TN	1	9 35	18 69	198 00	3,701	0 00	0	40 00	748
Condensate Rcvry Tank Foundation - Reinf Conc	CY	1	32 00	32 00	58 80	1,882	91 00	2,912	0 00	0
Condensate Recovery Flash Tank - Steel	TN	1	1 41	2 82	198 00	559	0 00	0	40 00	113
Blowdown Tank - Steel	TN	1	6 33	12 65	198 00	2,505	0 00	0	40 00	506
Blowdown Tank Silencer - Steel	TN	1	1 42	2 84	198 00	562	0 00	0	40 00	114
Blowdown Tank Foundation - Reinf Concrete	CY	1	10 00	20 00	58 80	1,176	91 00	1,820	0 00	0
Boiler Blowdown Heat Exchanger - Steel	TN	1	1 95	3 90	198 00	772	0 00	0	40 00	156
System Piping, Vlvs Under 4" - Steel	TN	1	102 10	102 10	319 50	32,621	0 00	0	40 00	4,084
System Piping, Vlvs 4" to 8" - Steel	TN	1	88 04	88 04	198 00	17,433	0 00	0	40 00	3,522
System Piping, Vlvs Over 8" - Steel	TN	1	52 95	52 95	148 50	7,863	0 00	0	40 00	2,118
System Insulation	CY	1	70 12	70 12	45 00	3,156	14 00	982	0 00	0
Subtotal						272,161		45,754		57,330
Closed Cooling Water System Equipment										
Cooling Water Pump w/ 300 hp motor	TN	2	3 42	13 68	198 00	2,709	0 00	0	40 00	547
Cooling Water Pump Strainer (20") - Iron	TN	2	1 33	5 33	198 00	1,055	0 00	0	40 00	213
Cooling Water Heat Exchanger - Steel	TN	2	24 00	96 00	148 50	14,256	0 00	0	40.00	3,840
Pmp/mtr, Heat Exchanger Fndtions - Reinf Conc	CY	1	91 00	91 00	58 80	5,351	91 00	8,281	0 00	0
Cooling Water Surge Tank - Steel	TN	1	2 01	4 01	198 00	794	0 00	0	40 00	160
Subtotal						24,165		8,281		4,761
Boiler Plant Piping - All Systems										
Piping, Vlvs Under 4" - Steel	TN	1	658 89	658 89	319 50	210,515	0 00	0	40 00	26,356
Piping, Vlvs 4" to 8" - Steel	TN	1	448 78	448 78	198 00	88,857	0 00	0	40 00	17,951
Piping, Vlvs Over 8" - Steel	TN	1	2,120 18	2,120 18	148 50	314,847	0 00	0	40 00	84,807
Copper Tubing	TN	1	19 25	19 25	319 50	6,149	0 00	0	1,000 00	19,246
Steel Tubing	TN	1	1 57	1 57	319 50	500	0 00	0	40 00	63
Piping Insulation	CY	1	253 64	253 64	45 00	11,414	14 00	3,551	0 00	0
Subtotal						632,283		3,551		148,422
Induced Draft Equipment										
Induced Draft Fan	TN	4	52 85	422.80	148 50	62,786	0 00	0	40 00	16,912
Induced Draft Fan Motor - 4,500 hp	TN	4	16 50	132 00	148 50	19,602	0 00	0	40 00	5,280
Induced Draft Fan Hydraulic Coupling	TN	4	15 00	120 00	148.50	17,820	0.00	0	40 00	4,800
ID Fans/ Motors Foundation - Reinf Concrete	CY	1	2,304 00	2,304 00	58 80	135,475	91 00	209,664	0.00	0
I/D Fan Hoist - 20 Ton	TN	1	2 10	4 20	198 00	832	0 00	0	40 00	168
Dust Collector, Vibrating System, Outlet Duct	TN	1	512 50	1,025 00	198 00	202,950	0 00	0	40 00	41,000
Stack Breeching Foundation - Reinf Concrete	CY	1	641 00	641 00	58 80	37,691	91 00	58,331	0 00	0
Ductwork - Steel (70,395 sf x 1/4")	TN	1	359 02	718 03	198 00	142,171	0 00	0	40 00	28,721
Ash Pits - Reinforced Concrete	CY	1	68 00	68.00	58.80	3,998	91 00	6,188	0.00	0
Ash Water Pump w/ 40 hp motor	TN	2	1 18	4 70	198 00	931	0 00	0	40 00	188
Stack Foundation - Reinforced Concrete	CY	1	10,141 00	10,141 00	58 80	596,291	91 00	922,831	0 00	0
Stack - Reinforced Concrete	CY	1	3,851 00	7,702 00	58 80	452,878	91 00	700,882	0 00	0
Stack Lining - Concrete Brick	CY	1	3,760 80	7,521 60	23 52	176,908	91.00	684,466	0 00	0
Piping, Vlvs Under 4" - Steel	TN	1	2 63	2 63	319 50	839	0 00	0	40 00	105

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
Piping, Vlvs 4" to 8" - Steel	TN	1	2 93	2 93	198 00	581	0 00	0	40 00	117
Piping, Vlvs Over 8" - Steel	TN	1	128 26	128 26	148 50	19,047	0 00	0	40 00	5,130
Insulation	CY	1	18 37	18 37	45 00	827	14 00	257	0 00	0
Subtotal						1,871,624		2,582,619		102,422
Miscellaneous Equipment & Steel	TN	1	360 94	360 94	319 50	115,320	0 00	0	40 00	14,438
Total Account 312						7,572,911		3,047,220		1,424,431
FERC Account 314										
Turbogenerator Unit										
Foundations										
Turbine Pedestal - Reinforced Concrete	CY	1	5,147 00	5,147 00	58 80	302,644	91 00	468,377	0 00	0
Subtotal						302,644		468,377		0
Turbogenerator Equipment										
Turbine Generator	TN	1	683 85	1,367 69	112 50	153,865	0 00	0	40 00	54,708
Main Lube Oil Pump w/ motor	TN	1	3 00	6 00	198 00	1,188	0 00	0	40 00	240
Aux Lube Oil Pump w/ motor	TN	1	2 00	4 00	198 00	792	0 00	0	40 00	160
Turbine Copper	TN	1	62 00	124 00	441 00	54,684	0 00	0	1,000 00	124,000
Lube Oil Conditioning Tank - Steel	TN	1	3 27	6 54	198 00	1,295	0 00	0	40 00	262
Lube Oil Batch Tank - 15,000 gal	TN	1	12 20	24 40	148 50	3,623	0 00	0	40 00	976
Piping, Vlvs Under 4" - Steel	TN	1	26 78	26 78	319 50	8,556	0 00	0	40 00	1,071
Piping, Vlvs 4" to 8" - Steel	TN	1	11 61	11.61	198 00	2,298	0 00	0	40 00	464
Subtotal						226,302		0		181,881
Condenser and Auxiliaries										
Condenser Shell - Steel	TN	1	424 24	848 48	148 50	125,999	0 00	0	0 00	0
Condenser Tubes - Aluminum-Brass	TN	1	433 94	867 87	319 50	277,284	0 00	0	700 00	607,509
Condenser Tubes - Cupro Nickel	TN	1	15 14	30 28	319 50	9,673	0 00	0	1,600 00	48,442
Condenser Foundation - Reinforced Concrete	CY	1	132 00	264 00	58 80	15,523	91 00	24,024	0 00	0
Condensate Pump w/ 2,250 hp motor	TN	2	14 71	58 84	148 50	8,738	0 00	0	40 00	2,354
Condensate Pump Strainer/ Baskets (30") -Iron	TN	2	1 85	7 40	198 00	1,465	0 00	0	40 00	296
Circ Water Priming Vacuum Pump/Motors/Tank	TN	1	2 85	5 70	198 00	1,129	0 00	0	40 00	228
Hogging Ejector, Other Ejecs, Assoc Eqpmnt	TN	1	9 00	18 00	198 00	3,564	0 00	0	40 00	720
Piping, Vlvs Under 4" - Steel	TN	1	19 58	19 58	319 50	6,255	0 00	0	40 00	783
Piping, Vlvs 4" to 8" - Steel	TN	1	10 80	10 80	198 00	2,138	0 00	0	40 00	432
Piping, Vlvs Over 8" - Steel	TN	1	16 12	16.12	148 50	2,394	0 00	0	40 00	645
System Insulation	CY	1	17 13	17 13	45 00	771	14 00	240	0 00	0
Subtotal						454,934		24,264		661,408
Circulating Water System										
Pump - 100,000 gpm	TN	4	41 50	332 00	148 50	49,302	0 00	0	40.00	13,280
Pump Motor - 1,000 hp	TN	4	12 10	96 80	148 50	14,375	0.00	0	40 00	3,872
Subtotal						63,677		0		17,152
Miscellaneous Equipment & Steel	TN	1	62.28	62 28	319.50	19,898	0 00	0	40 00	2,491
Total Account 314						1,067,455		492,641		862,932
FERC Account 315										
Accessory Electrical Equipment										
Generator Leads & Supports										

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
Foundations - Reinforced Concrete	CY	1	902.00	1,804.00	58.80	106,075	91 00	164,164	0 00	0
Generator Leads Enclosures/ Supports - Steel	TN	1	32 00	64 00	198 00	12,672	0 00	0	40 00	2,560
Subtotal						118,747		164,164		2,560
Power Conversion Equipment										
6900V Metal-clad Switchgear	TN	2	96 10	384 40	319 50	122,816	0 00	0	40 00	15,376
6900V Non-segregated Phase Bus	TN	1	19 32	38 65	319.50	12,347	0 00	0	1,000 00	38,646
6900V Non-segregated Phase Bus - Struc Steel	TN	1	3.75	7 50	148 50	1,114	0 00	0	40 00	300
480V Metal-clad Switchgear	TN	1	41 10	82 20	319 50	26,263	0 00	0	40 00	3,288
480V Load Control Center - 1,000 kva	TN	2	2 60	10 40	319 50	3,323	0 00	0	40 00	416
480V Load Control Center - 1,500 kva	TN	4	3 25	26 00	319 50	8,307	0 00	0	40 00	1,040
480V Motor Control Center (9 @ >1 ton each)	TN	1	29 10	58 20	319 50	18,595	0 00	0	40 00	2,328
Auxiliary Power Transformer	TN	1	49 05	98 10	319 50	31,343	0 00	0	40 00	3,924
Station Service Transformer	TN	1	7 80	15 60	319 50	4,984	0.00	0	40 00	624
Transformer Copper	TN	1	25 64	25 64	333 00	8,538	0.00	0	1,000 00	25,640
Xfrmr/Swgr Foundations/ Curbs - Reinf Conc	CY	1	837 00	837 00	58 80	49,216	91 00	76,167	0 00	0
Manholes & Handholes - Reinforced Concrete	CY	1	1,584 00	1,584 00	58 80	93,139	91 00	144,144	0 00	0
Generator Isolated Phase Bus	TN	1	37 92	75 84	319 50	24,230	0 00	0	1,000 00	75,837
Generator Isolated Phase Bus - Struc Steel	TN	1	9 00	18 00	148 50	2,673	0 00	0	40 00	720
Neutral Grounding Transformer	TN	3	4 00	24 00	319 50	7,668	0 00	0	40 00	960
Transformer Neutral Grounding System Eqpt	TN	3	1 25	7 50	319 50	2,396	0 00	0	40 00	300
Current Transformer	TN	6	1 00	12 00	319 50	3,834	0 00	0	40 00	480
125VDC Load Control Center	TN	1	3 50	7 00	319 50	2,237	0 00	0	40 00	280
25 kva Cyberez Static Inverter	TN	2	1 00	4 00	319 50	1,278	0 00	0	40 00	160
25 kva Uninterruptible Power Supply (UPS)	TN	1	1 00	2 00	319 50	639	0 00	0	40 00	80
Battery Unit - 125VDC, 60-Cell	TN	1	10 50	21 00	319 50	6,710	0 00	0	40 00	840
Battery Charger	TN	3	1 05	6 30	319 50	2,013	0 00	0	40 00	252
Main Boiler-Turbine Generator Control Board	TN	1	25 58	51 16	319 50	16,346	0 00	0	40 00	2,046
Main Boiler-Turbine Generator Control Panel	TN	1	8 80	17 60	319 50	5,623	0 00	0	40 00	704
Bus Current Transformer	TN	3	1 00	6 00	319 50	1,917	0 00	0	40 00	240
Potential Transformer	TN	1	2 25	4 50	319 50	1,438	0 00	0	40 00	180
Voltage & Field Breaker Regulator	TN	1	6 00	12 00	319 50	3,834	0 00	0	40 00	480
Conduit (underground) - PVC	TN	1	246 15	246 15	270 00	66,462	0 00	0	40 00	9,846
Conduit (exposed) - Steel	TN	1	374 94	374 94	319 50	119,793	0 00	0	40 00	14,998
Conduit Supports - Reinforced Concrete	CY	1	7,579 00	7,579 00	58 80	445,645	91 00	689,689	0 00	0
Cable Tray - Steel	TN	1	96 76	96 76	319 50	30,915	0 00	0	40 00	3,870
Power and Control Wiring - Insulated Copper	TN	1	581 18	581 18	540 00	313,838	0 00	0	700 00	406,827
Grounding Wire - Bare Copper	TN	1	27 13	27 13	540 00	14,651	0 00	0	1,000 00	27,131
Subtotal						1,454,123		910,000		637,814
Total Account 315						1,572,870		1,074,164		640,374
FERC Account 316										
Miscellaneous Power Plant Equipment										
Compressed Air Piping, Vlvs Under 4" - Steel	TN	1	128 62	128 62	319 50	41,093	0 00	0	40 00	5,145
Compressed Air Piping, Vlvs 4" to 8" - Steel	TN	1	5 09	5 09	198 00	1,008	0 00	0	40 00	204
Nitrogen Purge Piping, Vlvs Under 4" - Steel	TN	1	141 36	141 36	319 50	45,166	0 00	0	40 00	5,655
Total Account 316						87,267		0		11,003
TOTAL MANATEE UNITS 1 & 2						14,733,230		6,920,784		3,042,960
MANATEE FUEL OIL STORAGE FACILITY										

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
FERC Account 311										
Improvements to Site										
Port Manatee Unloading Facility										
30" Buried Piping to Storage Facility	TN	1	3,133 82	3,133.82	270 00	846,131	0 00	0	0 00	0
Pre-cast Pipe Clamps/ Supports - Concrete	CY	1	1,694 55	1,694 55	23 52	39,856	91.00	154,204	0 00	0
Valve Pits - Reinforced Concrete	CY	1	94 43	94 43	58 80	5,552	91 00	8,593	0 00	0
Subtotal						891,540		162,797		0
Manatee Fuel Oil Storage Facility										
Asphalt Paving	CY	1	609 54	609 54	23 52	14,336	91 00	55,468	0 00	0
Septic Tank System - Concrete	TN	1	2 00	2 00	225.40	451	0 00	0	0 00	0
Surge Basin - Reinforced Concrete	CY	1	59 82	59.82	58 80	3,517	91 00	5,444	0 00	0
Collection Sumps - Steel (total)	TN	1	12 31	12 31	198 00	2,437	0 00	0	40 00	492
Collection Sumps Foundations - Reinf Concrete	CY	1	30.46	30 46	58 80	1,791	91 00	2,772	0 00	0
Fuel Oil Purge Tank Foundation - Reinf Conc	CY	1	802 77	802.77	58 80	47,203	91 00	73,052	0 00	0
Sump Tanks - Steel (total)	TN	1	4 70	4 70	198 00	931	0 00	0	40 00	188
Yard Platforms, Walkways & Ladders - Steel	TN	1	26 00	26 00	198 00	5,148	0 00	0	40 00	1,040
Firemain Piping (4" & 12") & Hydrants - Steel	TN	1	28 00	28 00	270 00	7,560	0 00	0	40 00	1,120
Oily Waste Separator, Pump, Motor - Steel	TN	1	6 80	6 80	198 00	1,346	0 00	0	40 00	272
Diesel-driven Firepump/ Motor	TN	1	1 20	1 20	198 00	238	0.00	0	40 00	48
Motor-driven Firepump/ Motor	TN	1	1 00	1 00	319 50	320	0.00	0	40 00	40
500,000 bbl F/O Storage Tank & Mixers - Steel	TN	4	1,404 75	5,619 00	n/a	171,372	0 00	0	40 00	224,760
Fuel Oil Tank Foundation	EA	1	n/a	n/a	n/a	0	n/a	43,316	0 00	0
Fuel Oil Purge Tank - 37,000 bbl	TN	1	142 50	142 50	n/a	28,562	0 00	0	40 00	5,700
Fuel Oil Purge Tank - 37,000 bbl - Cleaning	EA	1	n/a	n/a	n/a	0	n/a	71,977	0 00	0
Fuel Oil Purge Tank - 37,000 bbl - Soil remediation	EA	1	n/a	n/a	n/a	0	n/a	16,415	0 00	0
Diesel Fuel Tank - Steel	TN	1	24 50	24 50	n/a	5,712	n/a	0	40 00	980
Diesel Fuel Tank Foundation - Reinf Concrete	CY	1	177 77	177 77	n/a	22,475	n/a	0	0 00	0
Diesel Fuel Tank - Cleaning Cost and Soil Remediation		1	n/a	n/a	n/a	0	n/a	5,502	0 00	0
500,000 bbl F/O Storage Tank Insulation	CY	4	680 00	2,720 00	45 00	122,400	14 00	38,080	0 00	0
500,000 bbl Tank Ladder & Platform - Steel	TN	4	2 85	11 40	198 00	2,257	0 00	0	40 00	456
Fuel Oil Tank Cleaning	EA	4	n/a	n/a	n/a	0	n/a	1,005,392	0 00	0
500,000 bbl Tank - Soil Remediation	EA	4	2,446 38	9,785 52	n/a	0	0 00	745,264	0 00	0
Fuel Oil Heating Boiler - Steel	TN	2	18 39	36 77	148 50	5,460	0 00	0	40 00	1,471
Fuel Oil Heat Exchanger - Steel	TN	2	5 45	10 90	198 00	2,158	0 00	0	40.00	436
Fuel Mainline Pump w/ 300 hp motor	TN	3	2 44	7 33	198 00	1,451	0 00	0	40 00	293
Fuel Mainline Pump Strainer - Iron	TN	3	1 02	3 06	198 00	606	0 00	0	40 00	122
Mainline Pmp/ Mtr/ Strnr Fndtion - Reinf Conc	CY	1	80 07	80 07	58 80	4,708	91 00	7,286	0 00	0
Fuel Oil Booster Pump w/ Motor	TN	2	1 21	2 42	198 00	479	0 00	0	40 00	97
Fuel Oil Booster Pump Strainer - Iron	TN	2	2 17	4 35	198 00	861	0 00	0	40 00	174
Pipeline Strainer (24") - Iron	TN	1	1 90	1 90	198 00	376	0 00	0	40 00	76
Pipeline Strainer (20") - Iron	TN	1	1 65	1 65	198 00	327	0 00	0	40 00	66
16" Piping, Vlvs to Martin Plant - Steel	TN	1	3,117 58	3,117 58	270.00	841,747	0 00	0	40 00	124,703
16" Pipeline Clamps - Steel	TN	1	8 76	8 76	319 50	2,799	0 00	0	40 00	350
Yard Piping, Vlvs Over 8" - Steel	TN	1	356 11	356 11	148 50	52,883	0 00	0	40 00	14,245
Yard Piping Supports - Steel	TN	1	10 00	10 00	148 50	1,485	0 00	0	40 00	400
Yard Piping Supports - Reinforced Concrete	CY	1	60 00	60 00	58 80	3,528	91 00	5,460	0 00	0
Meter Prover and Assoc Equipment - Steel	TN	1	13 00	13 00	198 00	2,574	0.00	0	40.00	520
Metering Installation - Steel	TN	1	21.30	21 30	198 00	4,217	0.00	0	40 00	852
Fuel Oil Purge Pump w/ motor	TN	1	1 00	1.00	319.50	320	0.00	0	40 00	40
Firepump Building - Concrete Block	CY	1	34 54	34 54	23 52	812	91 00	3,143	0 00	0
Firepump Building - Concrete Roofing	CY	1	25 77	25 77	23 52	606	91 00	2,345	0 00	0
Control Building - Concrete Block	CY	1	150 08	150 08	23 52	3,530	91 00	13,657	0 00	0

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
Control Building - Concrete Roofing	CY	1	140 00	140 00	23 52	3,293	91 00	12,740	0 00	0
Control Building - HVAC	TN	1	1 50	1 50	198 00	297	0 00	0	40 00	60
Building Foundations - Reinforced Concrete	CY	1	183 18	183 18	58 80	10,771	91 00	16,669	0 00	0
Subtotal						1,383,344		2,123,983		379,002
Total Account 311						2,274,884		2,286,780		379,002
FERC Account 315										
Accessory Electrical Equipment										
Manatee Fuel Oil Storage Facility										
Aux Power Transformer - 3750 kva	TN	1	11 00	11 00	319 50	3,515	0 00	0	40 00	440
Transformer - 500 kva	TN	1	1 40	1 40	319 50	446	0 00	0	40 00	56
480V Motor Control Cntr/ 2400V Swgr Structure	TN	1	20 00	20 00	319 50	6,390	0 00	0	40 00	800
Mtr Cntrl Cntr/ Switchgear Fndtn - Reinf Conc	CY	1	15 00	15 00	58 80	882	91 00	1,365	0 00	0
Emergency Diesel Generator & Assoc Equipment	TN	1	2 65	2 65	198 00	525	0 00	0	40 00	106
Neutral Grounding Transformer	TN	1	3 00	3 00	319 50	959	0 00	0	40 00	120
Transformer Copper	TN	1	6 16	6 16	333 00	2,051	0 00	0	1,000 00	6,158
Conduit - Steel	TN	1	264 00	264 00	319 50	84,348	0 00	0	40 00	10,560
Cable Trays - Steel	TN	1	9 24	9 24	319 50	2,952	0 00	0	40 00	370
Insulated Copper Wiring	TN	1	16 47	16 47	540 00	8,894	0 00	0	700 00	11,529
Bare Copper Wiring	TN	1	54 70	54 70	540 00	29,538	0 00	0	1,000 00	54,700
Supervisory Control Consoles (total)	TN	1	8 00	8 00	319 50	2,556	0 00	0	40 00	320
Total Account 315						143,054		1,365		85,158
TOTAL MANATEE FUEL OIL STORAGE FACILITY						2,417,938		2,288,145		464,160
TOTAL MANATEE COMMON, UNITS 1 & 2 AND FUEL OIL STORAGE FACILITY						19,511,721		12,084,319		3,653,649

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 estimated retirement dates for these units:

Unit	Year
Common	2015
Unit 1	2015
Unit 2	2015

The dismantlement of the plants is assumed to require 2 years beginning in 2020.

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.

Martin Unit 8 began commercial operation on June 14, 2001. It consists of two combustion turbines currently operating in a simple cycle mode. Unit 8 has a nameplate rating of 362 megawatts. This is the first dismantlement study to include this unit.

The estimated retirement dates for Units 3, 4 and 8 are as follows:

Unit	Year
Unit 3	2019
Unit 4	2019
Unit 8	2028

The 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.

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. 981166-EI, Order No. PSC-00-0293-PAA-EI, issued on February 14, 2000. The current accruals became effective as of January 1, 1999.

MARTIN
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Martin Common				
	Production Plant				
311	Structures and Improvements	1,816,180	2,512,830	129,529	4,199,482
312	Boiler Plant Equipment	52,910	0	11,808	41,103
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	213,211	13,433	20,363	206,281
316	Miscellaneous Equipment	772	0	163	609
	Subtotal	2,083,073	2,526,263	161,862	4,447,474
	Other Site Costs				
	Site Mangement Expenses	868,070			868,070
	Intake & Discharge Backfill	115,602			115,602
	Grading & Seeding	4,671,746			4,671,746
	Subtotal	5,655,418	0	0	5,655,418
	Martin Fuel Oil Storage Facility				
311	Structures and Improvements	4,515,940	3,261,563	536,582	7,240,920
312	Boiler Plant Equipment	0	0	0	0
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	94,382	3,434	60,444	37,372
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	4,610,322	3,264,997	597,027	7,278,292
	Total	12,348,813	5,791,260	758,889	17,381,184
	Contingency - 16%	1,975,810	926,602		2,902,412
	Total Martin Common Excl Unusable M&S	14,324,623	6,717,862	758,889	20,283,596
	Unusable M&S Inventory	2,312,770	0	231,277	2,081,493
	Total Martin Common incl Unusable M&S	16,637,393	6,717,862	990,166	22,365,089
	Martin Units 1 & 2				
311	Structures and Improvements	4,263,367	2,561,158	98,836	6,725,689
312	Boiler Plant Equipment	7,020,521	3,091,942	1,448,831	8,663,631
314	Turbogenerator Units	1,029,543	655,360	772,871	912,032
315	Accessory Electrical Equipment	1,287,766	796,082	604,887	1,478,961
316	Miscellaneous Equipment	83,388	0	11,003	72,385
	Subtotal	13,684,585	7,104,542	2,936,429	17,852,698
	Contingency - 16%	2,189,534	1,136,727		3,326,260
	Total Martin Units 1 & 2	15,874,119	8,241,268	2,936,429	21,178,958
	Martin Unit 3				
341	Structures and Improvements	1,221,850	1,265,899	137,325	2,350,425
342	Fuel Holders, Producers and Accessories	311,981	408,875	17,675	703,181
343	Prime Movers	1,364,414	572,015	612,354	1,324,075
344	Generators	138,787	134,734	38,760	234,761
345	Accessory Electric Equipment	414,244	314,458	138,058	590,644
346	Miscellaneous Power Plant Equipment	12,608	0	2,447	10,161
353	Substation Equipment	0	0	0	0
	Subtotal	3,463,885	2,695,981	946,618	5,213,247
	Contingency - 16%	554,222	431,357		985,579
	Total Martin Unit 3	4,018,106	3,127,338	946,618	6,198,826
	Martin Unit 4				
341	Structures and Improvements	758,421	690,642	238,652	1,210,410
342	Fuel Holders, Producers and Accessories	21,473	0	4,956	16,517
343	Prime Movers	1,416,612	573,282	579,996	1,409,898
344	Generators	139,743	136,754	38,760	237,737
345	Accessory Electric Equipment	322,808	307,950	38,507	592,251
346	Miscellaneous Power Plant Equipment	9,667	0	2,078	7,589
353	Substation Equipment	0	0	0	0
	Subtotal	2,668,724	1,708,627	902,949	3,474,402
	Contingency - 16%	426,996	273,380		700,376
	Total Martin Unit 4	3,095,720	1,982,008	902,949	4,174,778
	Martin Unit 8				
342	Fuel Holders, Producers and Accessories	28,562	498,288	8,800	518,050
343	Structures and Improvements	1,779,593	724,069	105,176	2,398,486
345	Fuel Holders, Producers and Accessories	109,174	0	23,081	86,093
	Subtotal	1,917,329	1,222,357	137,057	3,002,629
	Contingency - 16%	306,773	195,577		502,350
	Total Martin Unit 8	2,224,102	1,417,934	137,057	3,504,979
	Total Dismantlement Costs	41,849,440	21,486,410	5,913,220	57,422,630

MARTIN
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Martin Common	8,594,774	8,042,619	6,717,862	990,166	22,365,089
Martin Units 1 & 2	9,524,471	6,349,648	8,241,268	2,936,429	21,178,958
Martin Unit 3	2,410,864	1,607,242	3,127,338	946,618	6,198,826
Martin Unit 4	1,857,432	1,238,288	1,982,008	902,949	4,174,778
Martin Unit 8	1,334,461	889,641	1,417,934	137,057	3,504,979
Total	23,722,002	18,127,438	21,486,410	5,913,220	57,422,630

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 PGD. 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.

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 plant 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 Martin plant depreciation study submitted in 2002 (on an information only basis), using plant and reserve data as of December 31, 2001.

Martin is an asbestos free site.

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.

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 were developed by FPL's Power Generation Division (PGD). The rate per man-hour of a crew consists of six journeymen laborers, one laborer foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a Trojan 3500Z front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. The productivity factor employed, i.e., 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 for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$25.65	X	6	=	$153 92
Foreman	$32.96	X	1	=	$32.96
Heavy Equipment Operator	$30.72	X	1	=	$30.72
Total Cost per hour of 8 man crew					$217.60
Cost per man hour		$217.60	/ 8	=	$27.20

Equipment Rate

The equipment rate is based on the following equipment:

Excavator					15,961.61
Front End Loader					5,471.12
Cutting Equipment					208.12
Total per month					21,640.85
21,640.85	/ 176	hours per month =			122.96
Cost per man hour		$122.96	/ 8	=	$15.37
Plus: amount for small tools					0.80
Total Cost per man hour					$16.17

Equipment & Labor Summary

Labor	$27.20
Equipment	16.17
Total	$43.37
Rounded	$43.00
For Concrete demolition add $4.00 per hour additional equipment charge.	$47.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$43.00	2.50 MH / Ton	$107.50 / Ton
Heavy Steel (2)	$43.00	3.30 MH / Ton	$141.90 / Ton
General Steel	$43.00	4.40 MH / Ton	$189.20 / Ton
Light Steel	$43.00	7.10 MH / Ton	$305.30 / Ton
Concrete	$47.00	0 48 MH / CY	$22.56 / CY
Reinforced Concrete	$47.00	1 20 MH / CY	$56.40 / CY
Copper-Elect. Cable & Generator Leads	$43.00	12.00 MH / Ton	$516 00 / Ton
Copper - Generator	$43.00	9.80 MH / Ton	$421.40 / Ton
Copper - Transformer	$43.00	7.40 MH / Ton	$318.20 / Ton
General Insulation	$43.00	1.00 MH / CY	$43.00 / CY
Inground Pipe-Metal(3)	$43 00	6 00 MH / Ton	$258.00 / Ton
Concrete Pipe	$47.00	4.60 MH / Ton	$216.20 / 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 $40.50/ton was obtained from the Landfill. The per haul rates for the dumpsters (including driver), were provided by Waste Management Services, Inc.

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	$175.00	/ haul	X	1 haul	=	175.00
Tipping Fees	$40.50	/ ton	X	30.5 tons	=	1,235.25
Total Cost per round Trip						1,410.25
Cost per Cubic Yard	$1,410.25	/ 15.38 cubic yards =				$91.69
Plus 10% contractor profit						9.17
Total Cost per Cubic Yard						$100.86
Rounded Cost per Cubic Yard						$101.00

Insulation - Calcium Silicate (Non-Hazardous)

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

Truck Cost	$185.00	/ haul	X	1 haul	=	185.00
Tipping Fees	$40.50	/ ton	X	1.82 tons	=	73.71
Total Cost per round Trip						258.71
Cost per Cubic Yard	$258.71	/ 18 cubic yards =				$14.37
Plus 10% contractor profit						1.44
Total Cost per Cubic Yard						$15.81
Rounded Cost per Cubic Yard						$16.00

SALVAGE VALUE FACTORS

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

Iron & Steel	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable:	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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: $15,996.54 per month for FPL's expenses, both office and site, and $20,173.03 per month for site indirect costs (contractors' expenses). These expenses are to be incurred over a 24 month dismantlement period for Martin plant. FPL's management costs include those for administration, engineering, permit costs and various other costs. Contractors' expenses include field management, supervision, security and other costs.

Site Management Expenses per month	$36,170
Number of months	24.00
Total Site Mangement Expenses	$868,070

Intake & Discharge Backfill

FPL's PGD developed this cost factor on the basis of a typical such structure for FPL's 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 $32,242 and the cost for the discharge is $25,559. Total back-fill cost is computed as follows:

	Cost/Structure	Quantity	Totals	
Intake	$32,242	2	$64,484	*
Discharge	$25,559	2	$51,118	
			$115,602	

* 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 is $46,118 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.

Martin Acreage to be graded and seeded	101.30
Cost Factor	$46,118
Total Grading and Seeding Expense	$4,671,746

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

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
MARTIN COMMON										
FERC Account 311										
Improvements to Site										
Structures										
Walks, Yard Paving, Parking(asphalt/concrete)	CY	1	1,432 80	1,432 80	22 56	32,324	101 00	144,713	0 00	0
Yard Lighting - Copper Wiring (72,985 lf)	TN	1	2 81	2 81	516 00	1,450	0 00	0	700 00	1,967
Yard Lighting - PVC Conduit (20,269 lf)	TN	1	5 57	5 57	258 00	1,438	101 00	563	0 00	0
Railroad Rails - Steel (17,060 lf)	TN	1	565 00	565 00	305 30	172,495	0 00	0	40 00	22,600
Railroad Cross-ties	TN	1	853.00	853 00	22 56	19,244	101 00	86,153	0 00	0
Light Poles (35') - Concrete (126 total)	CY	1	15 95	15 95	22 56	360	101 00	1,611	0 00	0
Subtotal						227,310		233,040		24,567
Domestic Water Supply										
Piping, Vlvs Under 4" - Steel	TN	1	41 88	41 88	305 30	12,787	0 00	0	40 00	1,675
Subtotal						12,787		0		1,675
Storm & Sanitary Sewer System										
Oil Separator Tank - 4,000 gal (fiberglass)	TN	2	4 20	8 39	305 30	2,561	0 00	0	0 00	0
Oil Separator Pump/ Motor	TN	2	1 00	2 00	305 30	611	0 00	0	40 00	80
Water Collecting Pond - Reinforced Concrete	CY	1	594 00	594 00	56 40	33,502	101 00	59,994	0 00	0
Sewage Treatment - Steel Tanks & Piping	TN	1	30 97	30 97	189 20	5,860	0 00	0	40 00	1,239
Sewage Treatment Foundation - Reinf Concrete	CY	1	23 00	23 00	56 40	1,297	0 00	0	0 00	0
Septic Tank - 750 gal (concrete)	TN	1	1 32	1 32	216 20	285	0 00	0	0 00	0
Catch Basins & Manholes - Reinforced Concrete	CY	1	692 00	692 00	56 40	39,029	101 00	69,892	0 00	0
Subtotal						83,145		129,886		1,319
Yard Fire Protection System										
Motor-driven Fire Pump/ Motor	TN	1	3 55	3 55	189 20	672	0 00	0	40 00	142
Fire Pump/ Motor Foundation - Reinf Conc	CY	1	19 00	19 00	56 40	1,072	101 00	1,919	0 00	0
Engine-driven Fire Pump/ Motor	TN	1	1 21	1 21	189 20	229	0 00	0	40 00	48
Subtotal						1,972		1,919		190
Circulating and Service Water System										
Intake Structure										
Structures/ Foundations - Reinforced Concrete	CY	1	4,799 00	4,799 00	56 40	270,664	101 00	484,699	0 00	0
Structural Steel	TN	1	19 00	19 00	141 90	2,696	0 00	0	40 00	760
Handrailing, Grating, Checkerplate - Steel	TN	1	1 75	1 75	189 20	331	0 00	0	40 00	70
Cofferdam - Steel	TN	1	156 67	156 67	189 20	29,642	0 00	0	40 00	6,267
40-Ton Gantry Crane	TN	1	91 00	91 00	141 90	12,913	0 00	0	40 00	3,640
40-Ton Gantry Crane Track Rail - Steel	TN	1	4 65	4 65	305 30	1,420	0 00	0	40 00	186
Stop Logs - Reinforced Concrete	CY	1	47 11	47 11	56 40	2,657	101 00	4,758	0 00	0
Conduit - Aluminum	TN	1	1 49	1 49	305 30	456	0 00	0	600 00	896
Subtotal						320,778		489,457		11,819
Service Water System										
Water Treatment Area Foundations - Reinf Con	CY	1	1,414 00	1,414 00	56 40	79,750	101 00	142,814	0 00	0
Structural Steel	TN	1	31 00	31 00	141 90	4,399	0 00	0	40 00	1,240
Well Water Pump w/ motor	TN	3	2 27	6.81	189.20	1,288	0 00	0	40 00	272
Demineralizer w/ 7.5 hp motor	TN	2	1.18	2 36	189 20	447	0 00	0	40 00	94
Demineralizer w/ 15 hp motor	TN	2	1 68	3 36	189 20	636	0 00	0	40 00	134
Conveyer System w/ 2 hp motor	TN	1	2 50	2 50	189 20	473	0 00	0	40 00	100
Coagulator Tank w/ motor	TN	1	19 90	19 90	141 90	2,824	0 00	0	40 00	796
Lime Tank & Mixer - Steel	TN	1	1 22	1 22	189 20	231	0 00	0	40 00	49
Alum Tank & Mixer - Steel	TN	1	1 62	1 62	189 20	307	0 00	0	40 00	65
Clearwell Tank - Steel	TN	1	25 00	25 00	141 90	3,548	0 00	0	40 00	1,000

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
Acid Feed Tank - Steel	TN	1	7.50	7 50	189 20	1,419	0 00	0	40 00	300
Sand Filter Tank - Steel	TN	4	12 60	50.40	141 90	7,152	0 00	0	40 00	2,016
Carbon Filter Tank - Steel	TN	1	1 79	1 79	189 20	338	0 00	0	40 00	71
Conduit - Aluminum	TN	1	1 75	1 75	305 30	533	0 00	0	600 00	1,048
Subtotal						103,342		142,814		7,186
Raw Water Make-up System										
Raw Water Storage Tank - 500,000 gal	TN	1	55 00	55 00	141 90	7,805	0 00	0	40 00	2,200
Piping, Vlvs 4" to 8" - Steel	TN	1	3 67	3 67	305 30	1,119	0 00	0	40 00	147
Piping, Vlvs	TN	1	33 94	33 94	258 00	8,758	0 00	0	40 00	1,358
Subtotal						17,682		0		3,704
Open Cooling Water System										
36" Piping/ Misc Vlvs - Iron	TN	1	4 82	4 82	258 00	1,243	0 00	0	40 00	193
Subtotal						1,243		0		193
Other Service Water System										
Service Water Pump w/ 125 hp motor	TN	2	1 32	2 64	189 20	499	0 00	0	40 00	106
Treated Water Storage Tank - 500,000 gal	TN	1	55 00	55 00	141 90	7,805	0 00	0	40 00	2,200
Potable Water Storage Tank - 14,000 gal	TN	1	5 50	5.50	189 20	1,041	0 00	0	40 00	220
Piping, Vlvs Under 4" - Steel	TN	1	62.26	62 26	305 30	19,007	0 00	0	40 00	2,490
Piping, Vlvs 4" to 8" - Steel	TN	1	58.14	58 14	189 20	11,001	0 00	0	40 00	2,326
Subtotal						39,353		0		7,342
Neutralization Basin										
Acid Retention Basin - Reinforced Concrete	CY	1	584 00	584.00	56 40	32,938	101 00	58,984	0 00	0
Recovered Service Water Pump w/ motor	TN	2	2 25	4 50	189 20	851	0 00	0	40 00	180
Recovered Service Water Basin - Reinf Conc	CY	1	151 00	151 00	56 40	8,516	101 00	15,251	0 00	0
Waste Water Treatment Control Panel	TN	1	1 55	1 55	305 30	473	0 00	0	40 00	62
Piping, Vlvs - Fiberglass	CY	1	16 26	16 26	22 56	367	101 00	1,642	0 00	0
Subtotal						43,145		75,877		242
Discharge Structure										
Circ Water Discharge Sluice Gate - Iron	TN	2	5 50	11 00	189 20	2,081	0 00	0	40 00	440
Structure - Reinforced Concrete	CY	1	739 00	739 00	56 40	41,680	101 00	74,639	0 00	0
Subtotal						43,761		74,639		440
Station Structures										
Calibration Shop - Concrete Block 2,000 sf	CY	1	31 02	31 02	22 56	700	101 00	3,133	0 00	0
Acid Lift Station Pump w/ 100 hp motor	TN	2	4 80	9 60	189 20	1,815	0 00	0	40 00	384
Acid Lift Station Pump w/ 100 hp motor	TN	2	4 59	9 18	189 20	1,736	0 00	0	40 00	367
90-Ton Gantry Crane w/ 30-Ton Auxiliary Hoist	TN	1	178 90	178 90	141 90	25,386	0 00	0	40 00	7,156
90-Ton Gantry Crane Track Rail - Steel	TN	1	20 00	20 00	305 30	6,106	0 00	0	40 00	800
Control Bldg Foundation - Reinforced Concrete	CY	1	398 00	398 00	56 40	22,447	101 00	40,198	0.00	0
Control Bldg - Aluminum Siding 20,364 sf	TN	1	15 27	15 27	305 30	4,662	0 00	0	700 00	10,689
Control Bldg - Concrete Block 6,820 sf	CY	1	105 77	105 77	22.56	2,386	101.00	10,683	0 00	0
Control Bldg - Aluminum Sheet Metal 8,100 sf	TN	1	12 15	12 15	305 30	3,709	0 00	0	700 00	8,505
Control Bldg - Built-up Roofing 2,850 sf	CY	1	8 55	8 55	22 56	193	101 00	864	0 00	0
Control Bldg Phone Eqpmnt Room - Struc Steel	TN	1	7.60	7.60	141.90	1,078	0 00	0	40 00	304
Personnel Elevator - 2,000 lb capacity	TN	1	6 36	6 36	189.20	1,204	0 00	0	40.00	255
Freight Elevator - 10,000 lb capacity	TN	1	9 00	9.00	189 20	1,703	0 00	0	40.00	360
Freight Elevator - Structural Steel	TN	1	19 65	19.65	141 90	2,788	0 00	0	40 00	786
Subtotal						75,914		54,877		29,605
Fuel and Ash Structures										

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

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
Ash Disposal Basin - Reinforced Concrete	CY	1	2,852 00	2,852 00	56 40	160,853	101 00	288,052	0 00	0
Ash Disposal Basin - pH Analyzer	TN	1	2 00	2 00	305 30	611	0 00	0	40 00	80
Ash Disposal Basin Guard Rails 750 lf	TN	1	1 88	1 88	189 20	356	0 00	0	40 00	75
Fuel Oil Transfer Pump w/ 100 hp motor	TN	3	3 20	9 60	189 20	1,816	0.00	0	40 00	384
F/O Transfer Pump Basket Strainer - Iron	TN	3	1 16	3.47	189 20	657	0 00	0	40 00	139
F/O Transfer Pump/Mtr Foundation - Reinf Conc	CY	1	185 00	185 00	56 40	10,434	101 00	18,685	0 00	0
Fuel Oil Transfer Heater - Steel	TN	4	9.23	36 92	189 20	6,985	0 00	0	40 00	1,477
Day/ Light Oil Tank / Dike - Reinf Conc	CY	1	635 00	635 00	56 40	35,814	101 00	64,135	0 00	0
Day/ Light Oil Tank Fire Wall - Reinf Conc	CY	1	477 00	477 00	56 40	26,903	101 00	48,177	0 00	0
Piping, Vlvs Under 4"- Steel	TN	1	19 96	19 96	305 30	6,092	0 00	0	40 00	798
Piping, Vlvs 4" to 8" - Steel	TN	1	4 84	4 84	189 20	916	0 00	0	40 00	194
Piping, Vlvs Over 8" - Steel	TN	1	217 10	217 10	141 90	30,806	0 00	0	40.00	8,684
Piping Supports - Reinforced Concrete	CY	1	966 00	966 00	56 40	54,482	101 00	97,566	0 00	0
Pipe Sleeves & Anchor Plates - Steel	TN	1	10 00	10 00	305 30	3,053	0 00	0	40 00	400
Piping 4" to 8" - Iron	TN	1	6 75	6 75	258 00	1,742	0 00	0	40 00	270
Piping Over 8" - Iron	TN	1	1 45	1.45	258 00	374	0 00	0	40 00	58
Insulation	CY	1	3 96	3 96	43 00	170	16 00	63	0 00	0
Subtotal						342,065		516,678		12,559
Service Building										
Superstructure - Reinforced Concrete	CY	1	440 00	440 00	56 40	24,816	101 00	44,440	0.00	0
Foundation - Reinforced Concrete	CY	1	840 00	840 00	56 40	47,376	101 00	84,840	0.00	0
Structural Steel	TN	1	30 00	30 00	141 90	4,257	0 00	0	40 00	1,200
Walls - Concrete Block 31,877 sf	CY	1	494 39	494 39	22 56	11,153	101 00	49,933	0.00	0
Interior Partitions - Conc Block 8,875 sf	CY	1	137 64	137 64	22 56	3,105	101 00	13,902	0 00	0
Pre-cast Floor Slabs - Concrete	CY	1	370 26	370 26	22 56	8,353	101 00	37,396	0 00	0
Pre-cast Roof Slabs - Concrete	CY	1	422 82	422 82	22 56	9,539	101 00	42,705	0 00	0
Built-up Roofing	TN	1	72 37	72 37	22 56	1,633	101 00	7,309	0 00	0
Air Conditioning Unit - 240,000 BTU	TN	1	2 25	2 25	189 20	426	0 00	0	40 00	90
Air Conditioning Unit - 167,000 BTU	TN	1	2 20	2 20	189 20	416	0 00	0	40 00	88
Air Conditioning Unit - 142,000 BTU	TN	1	1 00	1 00	305 30	305	0 00	0	40 00	40
5-Ton Machine Shop Bridge Crane	TN	1	2 37	2 37	189 20	448	0 00	0	40 00	95
Conduit - Aluminum	TN	1	1 78	1 78	305 30	544	0 00	0	600.00	1,069
Piping, Vlvs Under 4" - Steel	TN	1	12 92	12.92	305 30	3,945	0 00	0	40 00	517
Piping, Vlvs 4" to 8" - Steel	TN	1	2 50	2 50	189 20	472	0 00	0	40 00	100
Piping 4" to 8" - Iron	TN	1	9 80	9 80	258 00	2,528	0 00	0	40 00	392
Subtotal						119,316		280,526		3,590
Other Buildings										
Foundations - Reinforced Concrete	CY	1	353 00	353 00	56 40	19,909	101.00	35,653	0.00	0
Walls - Concrete Block 8,162 sf	CY	1	126.59	126 59	22 56	2,856	101.00	12,785	0.00	0
Pre-cast Roofs - Concrete	CY	1	60 48	60 48	22 56	1,364	101.00	6,108	0 00	0
Built-up Roofing	CY	1	11.30	11.30	22.56	255	101.00	1,141	0 00	0
Roof Supports - Steel (Intake Chlorntr Bldg)	TN	1	1 86	1 86	189.20	351	0.00	0	40 00	74
Subtotal						24,736		55,688		74
Warehouses										
Foundations - Reinforced Concrete	CY	1	4,529 00	4,529 00	56 40	255,436	101 00	457,429	0 00	0
Structural Steel	TN	1	469.50	469 50	141 90	66,622	0.00	0	40.00	18,780
Siding/ Roofing - Steel	TN	1	121 07	121 07	305 30	36,963	0 00	0	40 00	4,843
Fencing - Aluminum	TN	1	2.00	2.00	305 30	611	0 00	0	700.00	1,400
Subtotal						359,631		457,429		25,023
Total Account 311						1,816,180		2,512,830		129,529

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

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
FERC Account 312										
Boiler Plant Service Equipment										
Feed Water System										
Strong Acid Cation Exchanger - Steel	TN	2	35 25	70 50	141 90	10,004	0 00	0	40 00	2,820
Weak Base Anion Exchanger - Steel	TN	2	19 50	39 00	141.90	5,534	0.00	0	40.00	1,560
Strong Base Anion Exchanger - Steel	TN	3	10 90	32.70	141 90	4,640	0 00	0	40 00	1,308
Mixed Bed Ion Exchanger - Steel	TN	2	11 68	23 35	141 90	3,313	0 00	0	40 00	934
Air Compressor - 308 cfm w/ 40 hp motor	TN	1	1 00	1 00	305 30	305	0 00	0	40 00	40
Acid Storage Tank - Steel	TN	1	48.50	48 50	141 90	6,882	0.00	0	40 00	1,940
Caustic Storage Tank -Steel	TN	1	7 50	7 50	189 20	1,419	0 00	0	40 00	300
Brine Measuring Tank - Steel	TN	1	3 66	3 66	189 20	692	0 00	0	40 00	146
Brine Recirculation Control Panel - Steel	TN	1	5 16	5 16	305 30	1,576	0 00	0	40 00	207
Subtotal						34,367		0		9,255
Boiler Wash System										
Caustic Wash Service Tank/ Agitator - Steel	TN	1	3 52	3 52	189 20	665	0 00	0	40 00	141
Caustic Wash Mixing Tank/ Agitator - Steel	TN	1	2 65	2 65	189 20	501	0 00	0	40 00	106
Lime Slurry Mixing Tank/ Agitator - Steel	TN	1	1 93	1 93	189 20	364	0.00	0	40 00	77
Piping, Vlvs Under 4" - Steel	TN	1	55 72	55 72	305 30	17,012	0 00	0	40 00	2,229
Subtotal						18,543		0		2,553
Total Account 312						52,910		0		11,808
FERC Account 315										
Accessory Electrical Equipment										
Power Conversion Equipment										
Start-up Transformer (6.9kva)	TN	1	59 30	59 30	305 30	18,104	0.00	0	40 00	2,372
Start-up Switchgear (6 9kva)	TN	1	13 80	13 80	305 30	4,213	0 00	0	40 00	552
6,900V Non-segregated Phase Bus	TN	1	6 78	6 78	305 30	2,070	0 00	0	1000 00	6,780
Start-up Transformer Foundation - Reinf Conc	CY	1	133 00	133 00	56 40	7,501	101 00	13,433	0 00	0
Station Svc Trnsfrmr - 2,500 kva (oil-cooled)	TN	1	7 80	7 80	305 30	2,381	0 00	0	40 00	312
480V Motor Control Center	TN	1	3 50	3 50	305 30	1,069	0.00	0	40 00	140
2400V Switchgear	TN	1	7 57	7 57	305 30	2,310	0 00	0	40 00	303
Neutral Grounding Transformer - Steel	TN	2	4 00	8 00	305 30	2,442	0 00	0	40 00	320
Emergency Diesel Generator & Accessories	TN	1	11 83	11 83	189 20	2,238	0 00	0	40 00	473
480V Emergency Diesel Load Center/ Switchge	TN	1	3 70	3 70	305 30	1,130	0 00	0	40 00	148
Underground Conduit, Ducts - Reinf Concrete	CY	1	690 00	690 00	216 20	149,178	0 00	0	0 00	0
Conduit (underground) - Steel	TN	1	47 70	47 70	258 00	12,307	0 00	0	40 00	1,908
Conduit (exposed) - Steel	TN	1	11 12	11 12	305 30	3,396	0 00	0	40 00	445
Copper Wiring - Insulated	TN	1	9 44	9 44	516 00	4,873	0 00	0	700 00	6,610
Total Account 315						213,211		13,433		20,363
FERC Account 316										
Miscellaneous Power Plant Equipment										
Station Air Compressor (880 CFM) w/ motor	TN	1	4 08	4 08	189 20	772	0 00	0	40 00	163
Total Account 316						772		0		163
TOTAL MARTIN COMMON						2,083,073		2,526,263		161,862
MARTIN UNITS 1 & 2										
FERC Account 311										
Improvements to Site										
Yard Piping Bridge										
Structural Steel	TN	1	164 00	164 00	141 90	23,272	0 00	0	40 00	6,560
Subtotal						23,272		0		6,560

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Storm & Sanitary Sewer System										
Piping, Vlvs 4" to 8" - Steel	TN	1	13.56	13.56	189.20	2,566	0.00	0	40 00	543
Piping, Vlvs 4" to 8" - Iron	TN	1	95 71	95 71	258 00	24,693	0.00	0	40 00	3,828
Piping, Vlvs Over 8" - Iron	TN	1	71 64	71 64	258 00	18,483	0 00	0	40 00	2,866
Fiberglass Piping, Vlvs	TN	1	12 18	12.18	258 00	3,142	0.00	0	40 00	487
Piping Over 8" - Reinforced Concrete	TN	1	300 08	300.08	216 20	64,877	0.00	0	0 00	0
Subtotal						113,762		0		7,724
Yard Fire Protection System										
Piping, Vlvs 4" & Under - Steel	TN	1	5 02	5 02	305 30	1,532	0 00	0	40 00	201
Piping, Vlvs 4" to 8" - Steel	TN	1	6 00	6.00	189 20	1,136	0 00	0	40 00	240
Piping 4" to 8" - Iron	TN	1	2 16	2 16	258 00	557	0 00	0	40 00	86
Piping Over 8" - Iron	TN	1	132 39	132 39	258 00	34,158	0 00	0	40 00	5,296
Subtotal						37,382		0		5,823
Circulating and Service Water System										
Open Cooling Water System										
Intake Cooling Water Pump w/ motor	TN	2	6 90	27 60	189 20	5,222	0 00	0	40 00	1,104
Pump Basket Strainer (30") - Steel	TN	2	3 99	15 95	189 20	3,018	0 00	0	40 00	638
36" Piping - Reinforced Concrete	TN	1	1,034 91	2,069 82	216.20	447,495	0 00	0	0 00	0
Piping, Vlvs Under 4" - Steel	TN	1	58 27	116 54	305 30	35,580	0 00	0	40 00	4,662
Piping, Vlvs 4" to 8" - Steel	TN	1	35 23	70 45	189 20	13,329	0 00	0	40 00	2,818
Subtotal						504,644		0		9,222
Intake Structure Equipment & Piping										
Traveling Water Screen - Steel	TN	4	18.03	144 25	141 90	20,469	0 00	0	40 00	5,770
Screen Wash Pump w/ motor	TN	4	2 13	17 00	189 20	3,216	0 00	0	40 00	680
Trash Rake - Aluminum	TN	4	2 00	16 00	189 20	3,027	0 00	0	700 00	11,200
5-ton Electric Hoist	TN	1	1 50	3 00	189 20	568	0 00	0	40.00	120
Intake Piping (66") - Reinforced Concrete	CY	1	5,474 10	5,474 10	216 20	1,183,500	0 00	0	0.00	0
Subtotal						1,210,781		0		17,770
Discharge Piping										
Discharge Piping (66") - Reinforced Concrete	CY	1	615.26	615 26	216 20	133,019	0 00	0	0 00	0
Discharge Piping (114") - Reinforced Concrete	CY	1	2,764 80	2,764 80	216 20	597,750	0 00	0	0 00	0
Subtotal						730,769		0		0
Station Structures										
Spread Footings - Reinforced Concrete	CY	1	13,286 00	13,286 00	56 40	749,330	101.00	1,341,886	0.00	0
Footings, Piers & Grade Beams - Reinf Conc	CY	1	3,909 00	3,909 00	56 40	220,468	101 00	394,809	0 00	0
Ground Floor Slabs - Reinforced Concrete	CY	1	5,207 00	5,207 00	56 40	293,675	101 00	525,907	0.00	0
Turbine Generator Building - Structural Steel	TN	1	892.00	892 00	141 90	126,57[illegible]	0.00	0	40 00	35,680
T-G Bldg - Stairways & Handrailing 4,377 lf	TN	1	60 16	60 16	189 20	11,38[illegible]	0 00	0	40.00	2,406
Elevated Slabs - Reinforced Concrete	CY	1	1,043.00	2,086.00	56 40	117,65[illegible]	101 00	210,686	0.00	0
Grating & Floor Plating - Steel 7,146 sf	TN	1	39.03	78 06	189 20	14,76[illegible]	0.00	0	40 00	3,122
Lift Station Structure/ Fndation - Reinf Conc	CY	1	870 00	870 00	56 40	49,06[illegible]	101.00	87,870	0.00	0
Lift Station Pump w/ 40 hp motor	TN	2	1.30	5 20	189 20	98[illegible]	0 00	0	40 00	208
Lift Station Pump w/ 125 hp motor	TN	2	2.42	9 68	189.20	1,831	0.00	0	40.00	387
Conduit - Steel	TN	1	79 01	79.01	305 30	24,122	0.00	0	40.00	3,160
Insulated Copper Wiring	TN	1	2 90	2 90	516.00	1,497	0.00	0	700.00	2,031
Piping, Vlvs Under 4" - Steel	TN	1	2.98	2.98	305 30	908	0.00	0	40.00	119
Piping, Vlvs 4" to 8" - Steel	TN	1	30.87	30.87	189 20	5,840	0.00	0	40 00	1,235
Piping, Vlvs Over 8" - Steel	TN	1	3.90	3.90	141 90	553	0 00	0	40.00	156
Piping, Vlvs Under 4" - Iron	TN	1	1.34	1 34	258 00	346	0 00	0	40 00	54

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
Piping, Vlvs 4" to 8" - Iron	TN	1	44 50	44 50	258 00	11,481	0 00	0	40 00	1,780
Piping, Vlvs Over 8" - Iron	TN	1	34 98	34 98	258 00	9,024	0 00	0	40 00	1,399
15" Piping - Reinforced Concrete	CY	1	15.05	15 05	216 20	3,254	0 00	0	0 00	0
Subtotal						1,642,758		2,561,158		51,738
Total Account 311						4,263,367		2,561,158		98,836
FERC Account 312										
Boiler Plant Service Equipment										
Fuel Oil Day Tank - Steel 24,000 bbl	TN	2	105 00	420 00	n/a	28,562	n/a	0	40 00	16,800
Fuel Oil Day Tank - Cleaning	EA	2			n/a	0	n/a	27,212	0 00	0
Fuel Oil Day Tank - Steel - Foundation	EA	2			n/a	0	n/a	113,384	0 00	0
Fuel Oil Day Tank - Soil Remediation	EA	2			n/a	0	n/a	46,516	0 00	0
Fuel Oil Burner Pump Heater - Steel	TN	1	7 08	14 16	189.20	2,679	0 00	0	40 00	566
Light Oil Tank - Steel 142 bbl	TN	1	16 00	32 00	n/a	5,712	0.00	0	40 00	1,280
Light Oil Tank - Steel - Cleaning Cost					n/a	0	n/a	5,118	40.00	0
Light Oil Tank - Steel - Foundation					n/a	0	n/a	6,299	40 00	0
Light Oil Tank - Steel - Soil Remediation					n/a	0	n/a	2,584	40 00	0
Burner Fuel Oil Heater - Steel	TN	6	3 92	46 98	189 20	8,889	0 00	0	40 00	1,879
Fuel Oil Burner Pump/ Motor	TN	3	2 42	14 52	189 20	2,747	0 00	0	40 00	581
Basket Strainer (18") - Steel	TN	2	1 16	4 63	189 20	876	0 00	0	40 00	185
Fuel Oil Burner Booster Pump w/ motor	TN	2	4 74	18 96	189 20	3,587	0 00	0	40 00	758
Forced Draft Fan	TN	4	20 30	162 40	141 90	23,045	0 00	0	40 00	6,496
Forced Draft Fan Motor	TN	4	13 26	106 04	141 90	15,047	0 00	0	40 00	4,242
Forced Draft Fan Hydraulic Coupling	TN	4	7 75	62 00	189 20	11,730	0 00	0	40 00	2,480
Gas Induction Fan	TN	2	36 50	146 00	141 90	20,717	0 00	0	40 00	5,840
Gas Induction Fan Motor	TN	2	12 70	50 80	141 90	7,209	0 00	0	40 00	2,032
Gas Induction Fan Hydraulic Coupling	TN	2	9 25	37 00	189 20	7,000	0 00	0	40 00	1,480
F/D Fan & G/I Fan Foundations - Reinf Conc	CY	1	2,665 00	2,665 00	56 40	150,306	101 00	269,165	0 00	0
Breeching Foundations - Reinforced Concrete	CY	1	130 00	260 00	56 40	14,664	101 00	26,260	0 00	0
Steel Support - Fan Removal	TN	1	136 00	272 00	141 90	38,597	0 00	0	40 00	10,880
Ductwork - Steel (53,761 sf x 1/4")	TN	1	274 18	548 37	189 20	103,751	0 00	0	40.00	21,935
Forced Draft Fan Hoist - 7 1/2 Ton	TN	2	1 35	5 40	189 20	1,022	0 00	0	40 00	216
Gas Induction Fan Hoist - 7 1/2 Ton	TN	2	1.19	4 76	189 20	901	0 00	0	40 00	190
Insulated Copper Wire	TN	1	4.17	8 34	516 00	4,303	0 00	0	700.00	5,838
Conduit - Aluminum	TN	1	19 90	39 81	305 30	12,154	0 00	0	600 00	23,885
Piping, Vlvs Under 4" - Steel	TN	1	122 18	122.18	305 30	37,303	0 00	0	40 00	4,887
Piping, Vlvs 4" to 8" - Steel	TN	1	80 37	80 37	189 20	15,205	0 00	0	40 00	3,215
Piping, Vlvs Over 8" - Steel	TN	1	118 31	118 31	141 90	16,789	0 00	0	40 00	4,733
Piping, Vlvs 4" to 8" - Iron	TN	1	39 50	39 50	258 00	10,190	0 00	0	40 00	1,580
Piping, Vlvs Over 8" - Iron	TN	1	66 35	66 35	258 00	17,118	0 00	0	40 00	2,654
Piping, Vlvs - Fiberglass	CY	1	1 75	1 75	22 56	39	16 00	28	0 00	0
15" Piping - Reinforced Concrete	CY	1	8 31	8.31	216 20	1,797	0 00	0	0 00	0
Piping Foundations - Reinforced Concrete	CY	1	214 00	214 00	56 40	12,070	101 00	21,614	0.00	0
Piping Insulation	CY	1	59 09	59 09	43 00	2,541	16 00	945	0 00	0
Subtotal						576,548		519,125		124,632
Boiler Plant Equipment										
Structural Steel	TN	1	6,214.00	6,214 00	141 90	881,767	0 00	0	40 00	248,560
Checkerplate - Steel 49,094 sf	TN	1	220.92	441 84	189 20	83,596	0 00	0	40 00	17,674
Handrailing - Steel 12,216 lf	TN	1	30 54	61 08	189 20	11,556	0 00	0	40 00	2,443
Steam Generation Unit - including										
Steam Drum, Internals, Supports	TN	2	272 50	1,090 00	141 90	154,671	0 00	0	40 00	43,600
Burner Area & Windboxes	TN	1	81 50	163 00	141 90	23,130	0 00	0	40 00	6,520

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
Penthouse Area	TN	1	816 50	1,633 00	141 90	231,723	0.00	0	40 00	65,320
Heat Recovery Area	TN	1	293 00	586 00	141 90	83,153	0 00	0	40.00	23,440
Hopper Area	TN	1	13 50	27 00	141 90	3,831	0 00	0	40 00	1,080
Water Walls/ Headers	TN	1	1,753 00	3,506 00	141 90	497,501	0 00	0	40 00	140,240
Downcomers	TN	1	675 00	1,350 00	141 90	191,565	0 00	0	40 00	54,000
Air Preheater	TN	2	667 50	2,670 00	141 90	378,873	0 00	0	40 00	106,800
Steam Coil Air Heater	TN	1	15 24	30 48	141 90	4,325	0 00	0	40 00	1,219
Superheater	TN	1	1,001 00	2,002 00	141 90	284,084	0 00	0	40 00	80,080
Reheater	TN	1	942 50	1,885 00	141 90	267,482	0 00	0	40 00	75,400
Economizer	TN	1	731 50	1,463 00	141 90	207,600	0 00	0	40 00	58,520
Flues/ Ductwork	TN	1	689 50	1,379 00	189 20	260,907	0 00	0	40 00	55,160
Boiler Setting - Insulation	CY	1	2,090 40	4,180 80	56 40	235,797	16 00	66,893	0 00	0
Soot Blower	TN	32	1 95	124 80	189 20	23,612	0 00	0	40 00	4,992
Soot Blower Support Steel	TN	1	20 00	40 00	189 20	7,568	0 00	0	40 00	1,600
Safety/ Relief Valves (total)	TN	1	14 00	28 00	189 20	5,298	0 00	0	40 00	1,120
Safety/ Relief Valve Silencers	TN	1	35 00	70 00	189 20	13,244	0 00	0	40 00	2,800
Instrument Air Compressor w/ 100 hp motor	TN	2	6 30	25 20	189 20	4,768	0 00	0	40 00	1,008
Instrument Air Dryer	TN	1	2 00	4 00	189 20	757	0 00	0	40 00	160
Compressor Foundations - Reinforced Concrete	CY	1	15 00	15 00	56 40	846	101 00	1,515	0 00	0
Boiler Combustion Controls	TN	1	3 50	7 00	305 30	2,137	0 00	0	40 00	280
Steam and Water Sampling System	TN	1	1 50	3 00	305 30	916	0 00	0	40 00	120
Air Preheater Cleaning & Washing System	TN	2	1 34	5 35	305 30	1,632	0 00	0	40 00	214
Piping, Vlvs Under 4" - Steel	TN	1	65 95	65 95	305 30	20,134	0 00	0	40 00	2,638
Piping, Vlvs 4" to 8" - Steel	TN	1	30 45	30 45	189 20	5,761	0 00	0	40 00	1,218
Piping, Vlvs Over 8" - Steel	TN	1	15 50	15 50	141 90	2,200	0 00	0	40 00	620
Piping Insulation	CY	1	8 34	8 34	43 00	359	16 00	133	0 00	0
Subtotal						3,890,791		68,541		996,826
Boiler Plant Auxiliaries										
Feedwater System										
#1 Low Pressure Feedwater Heater - Steel	TN	2	30 85	123 40	141 90	17,510	0 00	0	40 00	4,936
#2 Low Pressure Feedwater Heater - Steel	TN	2	21 95	87 80	141 90	12,459	0 00	0	40 00	3,512
#3 Low Pressure Feedwater Heater - Steel	TN	1	41 80	83 60	141 90	11,863	0 00	0	40 00	3,344
#4 Low Pressure Feedwater Heater - Steel	TN	1	42 80	85 60	141 90	12,147	0 00	0	40 00	3,424
#5 Low Pressure Feedwater Heater - Steel	TN	1	53 65	107 30	141 90	15,226	0 00	0	40 00	4,292
#6 High Pressure Feedwater Heater - Steel	TN	2	48 15	192 60	141 90	27,330	0 00	0	40 00	7,704
#7 High Pressure Feedwater Heater - Steel	TN	2	53 50	214 00	141 90	30,367	0 00	0	40 00	8,560
Condensate Recovery Drain Cooler - Steel	TN	1	1 00	2 00	305 30	611	0 00	0	40 00	80
Condensate Recovery Vent Condenser - Steel	TN	1	1 25	2 50	189 20	473	0 00	0	40 00	100
Boiler Feed Pump	TN	2	14 48	57 90	141 90	8,216	0.00	0	40 00	2,316
Boiler Feed Pump Motor	TN	2	13 03	52 10	141 90	7,393	0.00	0	40 00	2,084
Boiler Feed Pump Lube Oil Reservoir - Steel	TN	2	2 70	10 80	189 20	2,043	0 00	0	40.00	432
Boiler Feed Pump Lube Oil Batch Tank - Steel	TN	1	1 93	3 86	189.20	730	0.00	0	40 00	154
Boiler Feed Pump Lube Oil Conditioning Tank	TN	1	1 00	2 00	305 30	611	0 00	0	40 00	80
Heater Drain Pump/ Motor	TN	2	5 95	23 80	189 20	4,503	0 00	0	40 00	952
Heater Drain Pump Strainer - Steel	TN	2	1 00	4 00	305.30	1,221	0 00	0	40 00	160
Heater Drain Pmp/ Mtr Foundation - Reinf Conc	CY	1	10 00	20 00	56 40	1,128	101 00	2,020	0 00	0
Condensate Storage Tank - 400,000 gal	TN	1	48 00	96.00	141 90	13,622	0 00	0	40 00	3,840
Condensate Strg Tank Foundation - Reinf Conc	CY	1	274 00	274 00	56 40	15,454	101 00	27,674	0 00	0
Condensate Recovery Tank - Steel	TN	1	9 35	18 69	189 20	3,537	0 00	0	40.00	748
Condensate Rcvry Tank Foundation - Reinf Cor	CY	1	32 00	32 00	56 40	1,805	101 00	3,232	0 00	0
Condensate Recovery Flash Tank - Steel	TN	1	1 41	2 82	189 20	534	0 00	0	40.00	113
Blowdown Tank - Steel	TN	1	6 33	12 65	189 20	2,393	0 00	0	40 00	506
Blowdown Tank Silencer - Steel	TN	1	1 42	2 84	189 20	537	0 00	0	40 00	114
Blowdown Tank Foundation - Reinf Concrete	CY	1	10 00	20 00	56 40	1,128	101 00	2,020	0 00	0

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
Boiler Blowdown Heat Exchanger - Steel	TN	1	1.95	3.90	189.20	738	0.00	0	40.00	156
System Piping, Vlvs Under 4" - Steel	TN	1	102 10	102.10	305.30	31,171	0.00	0	40 00	4,084
System Piping, Vlvs 4" to 8" - Steel	TN	1	88.04	88.04	189.20	16,658	0.00	0	40.00	3,522
System Piping, Vlvs Over 8" - Steel	TN	1	52.95	52.95	141.90	7,513	0 00	0	40 00	2,118
System Insulation	CY	1	70.12	70.12	43.00	3,015	16.00	1,122	0.00	0
Subtotal						251,936		36,068		57,330
Closed Cooling Water System Equipment										
Cooling Water Pump w/ 300 hp motor	TN	2	3.42	13 68	189.20	2,588	0.00	0	40.00	547
Cooling Water Pump Strainer (20") - Iron	TN	2	1.33	5.33	189 20	1,008	0 00	0	40.00	213
Cooling Water Heat Exchanger - Steel	TN	2	24.00	96.00	141.90	13,622	0.00	0	40.00	3,840
Pmp/mtr, Heat Exchanger Fndtions - Reinf Con	CY	1	91.00	91.00	56.40	5,132	101.00	9,191	0.00	0
Cooling Water Surge Tank - Steel	TN	1	2.01	4.01	189.20	759	0 00	0	40.00	160
Subtotal						23,110		9,191		4,761
Boiler Plant Piping - All Systems										
Piping, Vlvs Under 4" - Steel	TN	1	658.89	658.89	305.30	201,159	0.00	0	40.00	26,356
Piping, Vlvs 4" to 8" - Steel	TN	1	448.78	448.78	189.20	84,908	0.00	0	40 00	17,951
Piping, Vlvs Over 8" - Steel	TN	1	2,120.18	2,120 18	141.90	300,854	0.00	0	40.00	84,807
Copper Tubing	TN	1	19.25	19.25	305.30	5,876	0.00	0	1000.00	19,246
Steel Tubing	TN	1	1.57	1.57	305.30	478	0.00	0	40.00	63
Piping Insulation	CY	1	253 64	253.64	43 00	10,907	16.00	4,058	0.00	0
Subtotal						604,181		4,058		148,422
Induced Draft Equipment										
Induced Draft Fan	TN	4	52.85	422.80	141.90	59,995	0.00	0	40.00	16,912
Induced Draft Fan Motor - 4,500 hp	TN	4	16.50	132.00	141.90	18,731	0.00	0	40.00	5,280
Induced Draft Fan Hydraulic Coupling	TN	4	15.00	120.00	141.90	17,028	0.00	0	40.00	4,800
ID Fans/ Motors Foundation - Reinf Concrete	CY	1	2,211.00	2,211.00	56.40	124,700	101.00	223,311	0.00	0
I/D Fan Hoist - 20 Ton	TN	1	2.10	4.20	189 20	795	0.00	0	40.00	168
Dust Collector, Vibrating System, Outlet Duct	TN	1	512.50	1,025 00	189.20	193,930	0.00	0	40.00	41,000
Stack Breeching Foundation - Reinf Concrete	CY	1	641.00	641.00	56 40	36,152	101 00	64,741	0 00	0
Ductwork - Steel (70,395 sf x 1/4")	TN	1	359.02	718.03	189 20	135,852	0.00	0	40 00	28,721
Ash Pits - Reinforced Concrete	CY	1	68.00	68.00	56 40	3,835	101.00	6,868	0.00	0
Ash Water Pump w/ 40 hp motor	TN	2	1.18	4.70	189.20	889	0 00	0	40.00	188
Stack Foundation - Reinforced Concrete	CY	1	6,160.00	6,160.00	56.40	347,424	101.00	622,160	0.00	0
Stack - Reinforced Concrete	CY	1	3,851 00	7,702.00	56.40	434,393	101 00	777,902	0.00	0
Stack Lining - Concrete Brick	CY	1	3,760.80	7,521.60	22 56	169,687	101.00	759,682	0.00	0
Piping, Vlvs Under 4" - Steel	TN	1	2.63	2.63	305 30	801	0.00	0	40.00	105
Piping, Vlvs 4" to 8" - Steel	TN	1	2.93	2.93	189 20	555	0.00	0	40.00	117
Piping, Vlvs Over 8" - Steel	TN	1	128.26	128.26	141 90	18,200	0 00	0	40.00	5,130
Insulation	CY	1	18.37	18 37	43 00	790	16.00	294	0.00	0
Subtotal						1,563,758		2,454,958		102,422
Miscellaneous Equipment & Steel	TN	1	360.94	360.94	305.30	110,195	0.00	0	40.00	14,438
Total Account 312						7,020,521		3,091,942		1,448,831
Account 314 - Turbogenerator Unit Foundations										
Turbine Pedestal - Reinforced Concrete	CY	1	6,222.00	6,222.00	56.40	350,921	101.00	628,422	0.00	0
Subtotal						350,921		628,422		0
Turbogenerator Equipment										
Turbine Generator	TN	1	683.85	1,367 69	107 50	147,027	0.00	0	40.00	54,708

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
Main Lube Oil Pump w/ motor	TN	1	3 00	6 00	189 20	1,135	0 00	0	40 00	240
Aux Lube Oil Pump w/ motor	TN	1	2 00	4 00	189 20	757	0 00	0	40 00	160
Lube Oil Conditioning Tank - Steel	TN	1	3 27	6 54	189 20	1,237	0 00	0	40 00	262
Lube Oil Batch Tank - 15,000 gal	TN	1	12 20	24 40	141 90	3,462	0 00	0	40 00	976
Piping, Vlvs Under 4" - Steel	TN	1	26 78	26 78	305 30	8,176	0 00	0	40 00	1,071
Piping, Vlvs 4" to 8" - Steel	TN	1	11 61	11 61	189 20	2,196	0 00	0	40 00	464
Subtotal						163,991		0		57,881
Condenser and Auxiliaries										
Condenser Shell - Steel	TN	1	424 24	848 48	141 90	120,399	0 00	0	40 00	33,939
Condenser Tubes - Aluminum-Brass	TN	1	433 94	867 87	305 30	264,961	0 00	0	700 00	607,509
Condenser Tubes - Cupro Nickel	TN	1	15 14	30 28	305 30	9,243	0 00	0	1600 00	48,442
Condenser Foundation - Reinforced Concrete	CY	1	132 00	264.00	56 40	14,890	101 00	26,664	0 00	0
Condensate Pump w/ 2,250 hp motor	TN	2	14 71	58 84	141 90	8,349	0 00	0	40 00	2,354
Condensate Pump Strainer/ Baskets (30") -Iron	TN	2	1 85	7 40	189,20	1,400	0 00	0	40 00	296
Circ Water Priming Vacuum Pump/Motors/Tank	TN	1	2 85	5 70	189 20	1,078	0 00	0	40 00	228
Hogging Ejector, Other Ejecs, Assoc Eqpmnt	TN	1	9 00	18 00	189 20	3,406	0 00	0	40 00	720
Piping, Vlvs Under 4" - Steel	TN	1	19 58	19 58	305 30	5,977	0 00	0	40 00	783
Piping, Vlvs 4" to 8" - Steel	TN	1	10 80	10 80	189 20	2,043	0 00	0	40 00	432
Piping, Vlvs Over 8" - Steel	TN	1	16 12	16 12	141 90	2,288	0 00	0	40 00	645
System Insulation	CY	1	17 13	17 13	43 00	737	16 00	274	0 00	0
Subtotal						434,771		26,938		695,347
Circulating Water System										
Pump - 100,000 gpm	TN	4	41 50	332.00	141 90	47,111	0 00	0	40 00	13,280
Pump Motor - 1,000 hp	TN	4	12 10	96 80	141 90	13,736	0 00	0	40 00	3,872
Subtotal						60,847		0		17,152
Miscellaneous Equipment & Steel	TN	1	62 28	62 28	305 30	19,014	0 00	0	40 00	2,491
Total Account 314						1,029,543		655,360		772,871
Account 315 - Accessory Electrical Equipment										
Generator Leads & Supports										
Generator Leads Enclosures/ Supports - Steel	TN	1	32 00	64 00	189 20	12,109	0 00	0	40 00	2,560
Subtotal						12,109		0		2,560
Power Conversion Equipment										
6,900V Metal-clad Switchgear	TN	2	96 10	384 40	305 30	117,357	0 00	0	40 00	15,376
6,900V Non-segregated Phase Bus	TN	1	19 32	38 65	305 30	11,799	0 00	0	1000 00	38,646
6,900V Non-segregated Phase Bus - Struc Stee	TN	1	3 75	7 50	141 90	1,064	0 00	0	40 00	300
480V Metal-clad Switchgear	TN	1	41 10	82 20	305 30	25,096	0 00	0	40 00	3,288
480V Load Control Center - 1,000 kva	TN	2	2 60	10 40	305 30	3,175	0 00	0	40 00	416
480V Load Control Center - 1,500 kva	TN	4	3 25	26 00	305 30	7,938	0 00	0	40 00	1,040
480V Motor Control Center (9 @ >1 ton each)	TN	1	29 10	58 20	305 30	17,768	0 00	0	40 00	2,328
Auxiliary Power Transformer	TN	1	49 05	98 10	305 30	29,950	0 00	0	40 00	3,924
Aux Transformer Foundation - Reinf Conc	CY	1	542 00	542 00	56 40	30,569	101 00	54,742	0 00	0
Station Service Transformer	TN	1	7 80	15 60	305 30	4,763	0 00	0	40 00	624
Manholes & Handholes - Reinforced Concrete	CY	1	1,369.00	1,369 00	56 40	77,212	101.00	138,269	0 00	0
Generator Isolated Phase Bus	TN	1	37 92	75.84	305 30	23,153	0 00	0	1000 00	75,837
Generator Isolated Phase Bus - Struc Steel	TN	1	9 00	18 00	141 90	2,554	0 00	0	40 00	720
Neutral Grounding Transformer	TN	3	4 00	24 00	305 30	7,327	0 00	0	40 00	960
Transformer Neutral Grounding System Eqpt	TN	3	1 25	7 50	305 30	2,290	0 00	0	40 00	300
Current Transformer	TN	6	1 00	12 00	305 30	3,664	0 00	0	40 00	480
125VDC Load Control Center	TN	1	3 50	7 00	305 30	2,137	0 00	0	40 00	280

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

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
25 kva Cyberez Static Inverter	TN	2	1 00	4 00	305 30	1,221	0 00	0	40 00	160
25 kva Uninterruptible Power Supply (UPS)	TN	1	1 00	2 00	305 30	611	0 00	0	40 00	80
** Battery Unit - 125VDC, 60-Cell	TN	1	10 50	21 00	305 30	6,411	0 00	0	40.00	840
Battery Charger	TN	3	1 05	6 30	305 30	1,923	0 00	0	40 00	252
Main Boiler-Turbine Generator Control Board	TN	1	25 58	51 16	305 30	15,619	0 00	0	40 00	2,046
Main Boiler-Turbine Generator Control Panel	TN	1	8 80	17 60	305 30	5,373	0 00	0	40.00	704
Bus Current Transformer	TN	3	1 00	6 00	305 30	1,832	0 00	0	40 00	240
Potential Transformer	TN	1	2 25	4 50	305 30	1,374	0 00	0	40 00	180
Voltage & Field Breaker Regulator	TN	1	6 00	12 00	305 30	3,664	0 00	0	40 00	480
Conduit (underground) - PVC	TN	1	246 15	246 15	305 30	75,151	0 00	0	0 00	0
Conduit (exposed) - Steel	TN	1	374 94	374 94	305 30	114,469	0 00	0	40 00	14,998
Conduit Ductbanks - Reinforced Concrete	CY	1	5,971 00	5,971 00	56 40	336,764	101 00	603,071	0 00	0
Cable Tray - Steel	TN	1	96 76	96 76	305 30	29,541	0 00	0	40 00	3,870
Power and Control Wiring - Insulated Copper	TN	1	581 18	581 18	516 00	299,890	0 00	0	700 00	406,827
Grounding Wire - Bare Copper	TN	1	27 13	27 13	516.00	14,000	0 00	0	1000 00	27,131
Subtotal						1,275,658		796,082		602,327
Total Account 315						1,287,766		796,082		604,887
FERC Account 316										
Miscellaneous Power Plant Equipment										
Compressed Air Piping, Vlvs Under 4" - Steel	TN	1	128 62	128 62	305 30	39,266	0 00	0	40 00	5,145
Compressed Air Piping, Vlvs 4" to 8" - Steel	TN	1	5 09	5.09	189 20	963	0 00	0	40 00	204
Nitrogen Purge Piping, Vlvs Under 4" - Steel	TN	1	141 36	141 36	305 30	43,159	0 00	0	40 00	5,655
Total Account 316						83,388		0		11,003
TOTAL MARTIN UNITS 1 & 2						13,684,585		7,104,542		2,936,429
MARTIN FUEL OIL STORAGE FACILITY										
FERC Account 311										
Improvements to Site										
Riviera Unloading Facility										
F/O Transfer Pump w/ 300 hp mtr (Sier-Bath)	TN	2	4 30	8 60	189 20	1,627	0 00	0	40 00	344
F/O Booster Pump w/ 500 hp mtr (Inger-Rand)	TN	2	5 43	10 85	189 20	2,053	0 00	0	40 00	434
Pump/ Motor Foundations - Reinforced Concrete	CY	1	90 00	90 00	56 40	5,076	101 00	9,090	0 00	0
30" F/O Piping to WPB Facility - Steel	TN	1	8,147 74	8,147 74	258 00	2,102,117	101 00	822,922	0 00	0
Pre-cast Pipeline Weights - Reinf Concrete	CY	1	121 50	121 50	56 40	6,853	101 00	12,272	0 00	0
F/O Transfer Piping at Facility - Steel	TN	1	16 24	16 24	141 90	2,304	0 00	0	40 00	650
10" Collapsible Unloading Arm	TN	2	3 05	6 10	189 20	1,154	0 00	0	40 00	244
10" Stationary Unloading Arm	TN	2	8 50	17 00	189 20	3,216	0 00	0	40 00	680
Electrical Switchgear Building - Conc Block	CY	1	55 00	55 00	22 56	1,241	101 00	5,555	0 00	0
Elec Swgr Bldg Foundation - Reinf Concrete	CY	1	92 00	92 00	56 40	5,189	101.00	9,292	0 00	0
Subtotal						2,130,830		859,130		2,352
West Palm Beach Storage Facility										
Asphalt Paving	CY	1	237 60	237 60	22 56	5,360	101 00	23,998	0 00	0
Light Poles - Concrete (28 in total)	CY	1	3 54	3.54	22 56	80	101 00	358	0 00	0
Surge Basin - Reinforced Concrete	CY	1	300 00	300 00	56 40	16,920	101 00	30,300	0 00	0
Septic Tank System	CY	1	2.00	2.00	216 20	432	0.00	0	0.00	0
Yard Platforms, Ladders, Ppng Support - Steel	TN	1	36.00	36 00	189 20	6,811	0 00	0	40 00	1,440
Yard Structural Supports, Fndtns - Reinf Conc	CY	1	400.00	400 00	56 40	22,560	101 00	40,400	0 00	0
Potable Water Piping, Vlvs Under 4" - Steel	TN	1	9.48	9 48	258 00	2,445	0 00	0	40 00	379
Firemain Piping - Reinforced Concrete	CY	1	26 11	26 11	216.20	5,645	0 00	0	0 00	0
Firemain Piping, Hydrants Over 8" - Iron	TN	1	93 95	93 95	258 00	24,238	0 00	0	40 00	3,758
Oily Waste Separator, Pump/mtr (above ground	TN	1	3 25	3 25	189 20	615	0 00	0	40 00	130

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

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
Diesel-driven Firepump w/ Engine	TN	1	2 72	2 72	189 20	515	0 00	0	40 00	109
Motor-driven Firepump w/ Motor	TN	1	1 57	1 57	189 20	298	0 00	0	40 00	63
500,000 bbl F/O Storage Tank/ Mixers - Steel	TN	4	1,403.18	5,612 70	n/a	171,372	0.00	0	40 00	224,508
500,000 bbl Tank Ladder & Platform Walkway	TN	4	2 85	11 40	189 20	2,157	0.00	0	40 00	456
500,000 bbl F/O Storage Tank - Insulation	CY	4	680 00	2,720 00	43 00	116,960	12 00	32,640	0 00	0
500,000 bbl F/O Storage Tanks - Foundation	EA	1			n/a	0	n/a	43,316	0 00	0
500,000 bbl Tank - Soil Remediation	EA	4			n/a	0	n/a	745,264	0 00	0
500,000 bbl Tanks - Cleaning	EA	1			n/a	0	n/a	1,005,392	0 00	0
Fuel Oil Heating Boiler - Steel	TN	2	17 40	34.80	141.90	4,938	0 00	0	40 00	1,392
Fuel Oil Heat Exchanger - Steel	TN	4	3 44	13 76	189 20	2,603	0 00	0	40 00	550
Boiler Feedwater Tank - Steel (10'D x 15' Ht)	TN	1	3.80	3 80	189 20	719	0 00	0	40 00	152
Fuel Oil Transfer Pump w/ motor (Sier-Bath)	TN	4	6 93	27 72	189 20	5,245	0 00	0	40 00	1,109
Transfer Pump/ Motor Foundation - Reinf Conc	CY	1	2,070 00	2,070 00	56 40	116,748	101 00	209,070	0 00	0
Pipeline Strainer (24") - Iron	TN	2	1 90	3 80	189 20	719	0 00	0	40 00	152
Pipeline Strainer (20") - Iron	TN	1	1 65	1 65	189 20	312	0 00	0	40 00	66
F/O Transfer Yard Ppng, Vlvs Under 4" - Steel	TN	1	15 41	15 41	305 30	4,705	0 00	0	40 00	616
F/O Transfer Yard Ppng, Vlvs 4" to 8" - Steel	TN	1	32 87	32 87	189 20	6,218	0 00	0	40 00	1,315
F/O Transfer Yard Ppng, Vlvs Over 8" - Steel	TN	1	213 86	213 86	141 90	30,347	0 00	0	40 00	8,554
Steam Trace Piping, Vlvs Under 4" - Steel	TN	1	64 06	64 06	305 30	19,558	0 00	0	40 00	2,563
18" Undrgrnd Pipeline to Martin Plant - Steel	TN	1	6,671 60	6,671 60	258 00	1,721,273	0 00	0	40 00	266,864
Meter Prover and Associated Equipment - Steel	TN	1	17 05	17 05	141 90	2,419	0 00	0	40 00	682
Metering Installation & Assoc Eqpmnt - Steel	TN	1	19 00	19 00	141 90	2,696	0 00	0	40 00	760
Fuel Oil Purge Tank - 110,000 bbl	TN	1	381 00	381 00	n/a	28,562	0 00	0	40 00	15,240
Fuel Oil Purge Tank - 110,000 bbl - Cleaning	EA	1					n/a	96,754	40 00	0
Fuel Oil Purge Tank - 110,000 bbl -Soil Remedi.	EA	1					n/a	48,239	40 00	0
Fuel Oil Purge Tank Ladder & Platform Walkwa	TN	1	1 00	1 00	305 30	305	0 00	0	40 00	40
Purge Oil Pump w/ Motor	TN	1	1 90	1 90	189 20	359	0 00	0	40 00	76
Fuel Oil Purge Piping, Vlvs Over 8" - Steel	TN	1	41 94	41 94	141 90	5,951	0 00	0	40 00	1,678
Fuel Oil Purge Tank Foundation - Reinf Conc	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	5,712	0.00	0	40 00	980
Light Oil Tank - 5,000 bbl - Cleaning	EA	1			n/a	0	n/a	5,118	0 00	0
Light Oil Tank - 5,000 bbl Soil Remediation	EA	1			n/a	0	n/a	384	0 00	0
Light Oil Piping, Vlvs Under 4" - Steel	TN	1	7 11	7 11	305 30	2,170	0 00	0	40 00	284
Light Oil Piping, Vlvs 4" to 8" - Steel	TN	1	3 88	3 88	189 20	734	0.00	0	40 00	155
Terminal Buildings - Concrete Block	CY	1	469 00	469 00	22 56	10,581	101 00	47,369	0 00	0
Terminal Buildings Roofing - Concrete	CY	1	182.00	182 00	22 56	4,106	101 00	18,382	0 00	0
Terminal Bldgs Foundations - Reinf Concrete	CY	1	549 00	549 00	56 40	30,964	101 00	55,449	0 00	0
Worthington Air Compressor w/ Motor	TN	1	2 00	2.00	189 20	378	0 00	0	40 00	80
Radio Antenna - Steel	TN	1	2 00	2 00	189 20	378	0 00	0	40.00	80
Subtotal						2,385,110		2,402,433		534,231
Total Account 311						4,515,940		3,261,563		536,582
FERC Account 315										
Accessory Electrical Equipment										
Riviera Unloading Facility										
Auxiliary Power Transformer - 1500 kva	TN	1	4 65	4 65	305 30	1,420	0 00	0	40.00	186
Neutral Grounding Resistor	TN	1	2 50	2.50	305 30	763	0 00	0	40 00	100
Transformer/ Resistor Foundation - Reinf Conc	CY	1	16 00	16 00	56.40	902	101.00	1,616	0 00	0
2,400V Metal-clad Switchgear	TN	1	6 99	6 99	305 30	2,133	0.00	0	40 00	280
480V Load Center/ Motor Control Center	TN	1	8 00	8 00	305 30	2,442	0 00	0	40 00	320
Control Building - Panels/ Consoles	TN	1	2 50	2 50	305.30	763	0 00	0	40 00	100
Subtotal						8,424		1,616		986
West Palm Beach Storage Facility										
Auxili ry Power Tr nsformer - 5,000 kv	TN	1	8 96	8 96	305 30	2,736	0 00	0	40 00	359

MARTIN DISMANTLEMENT STUDY - UNITS 1, 2 & COMMON

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
Aux Power Trnsfrmr Foundation - Reinf Conc	CY	1	18 00	18 00	56 40	1,015	101 00	1,818	0 00	0
Transformer - 750 kva	TN	1	2.10	2 10	305 30	641	0 00	0	40 00	84
Transformer - 112 5 kva	TN	1	1 28	1 28	305 30	391	0 00	0	40 00	51
2,400V Metal-clad Switchgear	TN	1	8 46	8 46	305 30	2,584	0 00	0	40 00	339
480V Load Center	TN	1	3 00	3.00	305.30	916	0 00	0	40 00	120
480V Motor Control Center	TN	4	2 50	10 00	305 30	3,053	0 00	0	40 00	400
Neutral Grounding Transformer	TN	2	1 25	2 50	305 30	763	0 00	0	40 00	100
Emergency Diesel Gen & Accessories - 100 kw	TN	1	3 20	3 20	189 20	605	0 00	0	40 00	128
** Battery Set	TN	1	1 43	1 43	189 20	270	0 00	0	40 00	57
Battery Charger	TN	1	1 20	1 20	189 20	227	0 00	0	40 00	48
Electrical Conduit (underground) - PVC	TN	1	30 54	30 54	216 20	6,602	0 00	0	0 00	0
Electrical Conduit (above ground) - Steel	TN	1	83 33	83 33	305 30	25,439	0 00	0	40 00	3,333
Cable Tray - Steel	TN	1	1 36	1 36	305 30	416	0 00	0	40 00	55
Insulated Copper Wiring	TN	1	64 34	64 34	516 00	33,197	0 00	0	700 00	45,035
Bare Copper Wiring	TN	1	9 03	9 03	516 00	4,660	0 00	0	1000.00	9,032
Supervisory Control Consoles (total)	TN	1	8 00	8 00	305 30	2,442	0 00	0	40 00	320
Subtotal						85,958		1,818		59,459
Total Account 315						94,382		3,434		60,444
TOTAL MARTIN FUEL OIL STORAGE FACILITY						4,610,322		3,264,997		597,027
TOTAL MARTIN COMMON, UNITS 1 & 2 AND FUEL OIL STORAGE FACILITY						20,377,981		12,895,802		3,695,318

Removal, Disposal & Salvage Cost Worksheet	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	5 50	TN	305 30	1,679	0 00	0	40 00	220
Plant Lighting	2 00	TN	305 30	611	0 00	0	40 00	80
Discharge - Paving	60 00	CY	22.56	1,354	101 00	6,060	0 00	0
Intake- Paving	190 00	CY	22 56	4,286	101 00	19,190	0 00	0
Misc Curbs, Gutters, Sidewalks	150 00	CY	22 56	3,384	101 00	15,150	0 00	0
				11,314		40,400		300
Fire Protection System								
Fire Protection Pumps	4 00	TN	189 20	757	0 00	0	40 00	160
Fire Protection System (Piping & Hydrants)	213 00	CY	189 20	40,300	0 00	0	40 00	8,520
Fire Protection System 2 1/2" & > Pipe	74 25	TN	189 20	14,048	0 00	0	40 00	2,970
Fire Protection System 2" & < Pipe	2 74	TN	189 20	518	0.00	0	40 00	110
Sanitary Sewer Piping	18 22	CY	22 56	411	101 00	1,840	0 00	0
Fencing	175 00	TN	305 30	53,428	0 00	0	40 00	7,000
Fencing	2 50	TN	305 30	763	0 00	0	40 00	100
				110,224		1,840		18,860
Buildings								
Water Chemistry Building	500 00	CY	22 56	11,280	101 00	50,500	0 00	0
Hazardous Waste Drum Storage Building	120 00	CY	22 56	2,707	101 00	12,120	0 00	0
Paint & Lube Oil Storage Building	120 00	CY	22 56	2,707	101 00	12,120	0 00	0
Service Building - Masonry	500 00	CY	22 56	11,280	101 00	50,500	0 00	0
Service Building - Structural & Miscellaneous Steel	10 00	TN	305 30	3,053	0 00	0	40 00	400
Service Building - Finishes	20 00	CY	22 56	451	101 00	2,020	0 00	0
Service Building - Doors, Hardware, Glazing	15 00	CY	22 56	338	101 00	1,515	0 00	0
Service Building - Specialties	25 00	CY	22 56	564	101 00	2,525	0 00	0
Service Building - Plumbing	80 00	CY	22 56	1,805	101 00	8,080	0 00	0
Service Building -Electrical	40 00	TN	305 30	12,212	0 00	0	40 00	1,600
Service Building - HVAC	100 00	TN	305 30	30,530	0 00	0	40 00	4,000
Service Building - Elevator & Hoist	7 50	TN	305 30	2,290	0 00	0	40 00	300
				79,218		139,380		6,300
Power Block								
Service Building -Concrete	2,403 00	CY	22 56	54,212	101 00	242,703	0 00	0
Power Block - Structural Steel	1,044 00	TN	141 90	148,144	0 00	0	40 00	41,760
Base Plates Unit 3A	20 00	TN	141 90	2,838	0 00	0	40 00	800
Base Plates Unit 3B	20 00	TN	141 90	2,838	0 00	0	40 00	800
Power Block - Handrail, Toeblock, Misc	5.00	TN	305 30	1,527	0 00	0	40 00	200
Power Block - Decking	301 59	TN	305 30	92,075	0 00	0	40 00	12,064
Power Block - Ladders, Stairs & Platforms	58 00	TN	305 30	17,707	0.00	0	40 00	2,320
HRSG Structural/Ductwork - Unit 3A	210 05	TN	189 20	39,741	0 00	0	40 00	8,402
HRSG Structural/Ductwork - Unit 3B	205.05	TN	189 20	38,795	0 00	0	40 00	8,202
Lighting Panels	0 03	TN	305 30	8	0 00	0	40 00	1
Power Block Grade Slab Concrete	2,070.00	CY	56 40	116,748	101 00	209,070	0.00	0
Power Block Structure Foundation Concrete	2,457 00	CY	56 40	138,575	101 00	248,157	0 00	0
Power Block Elevated Slabs	659 00	CY	56 40	37,168	101.00	66,559	0 00	0
Water Treatment Control Building	177.78	CY	56 40	10,027	101 00	17,956	0 00	0
HRSG Analyzer Buildings (2 ea)	200 00	CY	56 40	11,280	101 00	20,200	0.00	0
HRSG DCS Buildings (2 ea)	152 89	CY	56 40	8,623	101 00	15,442	0 00	0
Discharge - Sluice Gates	100.00	CY	56 40	5,640	101 00	10,100	0 00	0
				725,945		830,186		74,549

Contro	ling Ele	& Hoist	00	1 20	2	40	40

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Open Cooling Water System								
OCW System 2" &< - Pipe	0.43	TN	189 20	81	0 00	0	40 00	17
OCW System 21/2" & > - Pipe	42 63	TN	189 20	8,065	0 00	0	40 00	1,705
OCW Duplex Basket Strainers	0 15	TN	189 20	28	0 00	0	40 00	6
Open Cooling Water Pumps	11 80	TN	141 90	1,674	0 00	0	40 00	472
Open Cooling Water Booster Pumps	9 80	TN	141 90	1,391	0 00	0	40 00	392
				11,240		0		2,592
Pond Water System								
Pond Water System 2" & < Pipe	0 10	TN	189 20	19	0 00	0	40 00	4
Pond Water System 21/2" & > Pipe	6 18	TN	189 20	1,169	0 00	0	40 00	247
Pond Water Booster Pumps	3 27	TN	189 20	618	0 00	0	40 00	131
				1,806		0		382
Water Treatment System								
Water Treatment System	5 50	TN	189 20	1,041	0 00	0	40 00	220
Service Water System 2" & < Pipe	1 61	TN	189 20	305	0 00	0	40 00	64
Service Water System 2 1/2" & > Pipe	5 80	TN	189 20	1,097	0 00	0	40 00	232
Service Water Pumps	0 57	TN	189 20	107	0.00	0	40 00	23
Treated Water Storage Tanks	1 20	TN	189 20	226	0.00	0	40 00	48
Treated Water Storage Tank Foundation	21 00	CY	56 40	1,184	101 00	2,121	0 00	0
Rainwater Runoff Storage Tank Foundation	12 00	CY	56 40	677	101 00	1,212	0 00	0
HRSG Blowdown Tank Sump	200 00	CY	56 40	11,280	101 00	20,200	0 00	0
Wastewater System 2" & < Pipe	1 69	TN	189.20	319	0 00	0	40 00	67
Power Block Drainage Pipe	63 56	CY	56 40	3,585	101 00	6,419	0 00	0
Wastewater System 2 1/2" & > Pipe	101 84	TN	141 90	14,450	0 00	0	40 00	4,073
Sump Pumps	8 75	TN	141 90	1,242	0 00	0	40 00	350
Sump Pumps & Miscellaneous	4 00	TN	141 90	568	0 00	0	40 00	160
Rainfall Runoff Collection Tank	5 00	TN	189 20	946	0 00	0	40 00	200
Wastewater Treatment System	0 50	TN	189 20	95	0 00	0	40 00	20
				37,121		29,952		5,458
Potable Water System								
Potable Water System	2 50	TN	189 20	473	0 00	0	40 00	100
Potable Water System 2" & < Pipe	5 01	TN	189 20	949	0 00	0	40 00	201
Potable Water System	19 41	TN	189.20	3,672	0 00	0	40 00	776
Potable Water System 2 1/2" & > Pipe	9 88	TN	189 20	1,870	0 00	0	40 00	395
Pipe Rack Drilled Piers - Concrete	810 00	CY	56 40	45,684	101 00	81,810	0 00	0
Pipe Racks & Bridges	481 00	TN	189 20	91,005	0 00	0	40 00	19,240
				143,652		81,810		20,712
Control/Security								
Access Control / Security	5 00	CY	56 40	282	101 00	505	0 00	0
Auxiliary Boiler Building	63 89	CY	56 40	3,603	101 00	6,453	0 00	0
Control Building - Masonry	73 83	CY	22 56	1,666	101 00	7,457	0 00	0
Control Building Structural Steel	119 00	TN	141 90	16,886	0 00	0	40 00	4,760
Control Building Finishes	14 00	CY	22.56	316	101 00	1,414	0 00	0
Control Building Millwork	26 79	CY	22 56	604	101 00	2,705	0 00	0
Control Building Doors, Hardware, Glazing	10.00	CY	22 56	226	101.00	1,010	0 00	0
Control Building Thermal Protection	185 70	CY	22 56	4,189	101 00	18,756	0 00	0
Control Building Specialties	20 00	CY	22 56	451	101 00	2,020	0 00	0
Control Building Plumbing	1 00	TN	189 20	189	0 00	0	40 00	40
Control Building Electrical	12 47	TN	189 20	2,359	0 00	0	40 00	499

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Control Building HVAC	61.85	TN	189 20	11,702	0.00	0	40.00	2,474
Control Building Concrete	810 00	CY	56.40	45,684	101.00	81,810	0.00	0
Control Building Elevator & Hoist	10 00	TN	189 20	1,892	0.00	0	40 00	400
Switchgear Building	200 00	CY	56 40	11,280	101 00	20,200	0 00	0
				101,330		142,330		6,173
Account 341 Totals:				1,221,850		1,265,899		137,325
Account 342: Fuel Holders, Producers and Accessories								
Fuel Oil Equipment								
Fuel Oil Equipment Foundation	180 00	CY	56 40	10,152	101 00	18,180	0 00	0
Fuel Oil Storage Tank Foundation	3,868 00	CY	56 40	218,155	101 00	390,668	0 00	0
Diesel Oil Day Tanks	12 50	TN	189 20	2,365	0 00	0	40 00	500
Fuel Oil Storage Tanks	165 00	TN	189 20	31,218	0 00	0	40 00	6,600
				261,890		408,848		7,100
Natural Gas System								
Natural Gas System 2" & < - Pipe	0 17	TN	189 20	32	0 00	0	40 00	7
Gas Piping	90 75	TN	189 20	17,170	0 00	0	40.00	3,630
Natural Gas System 2 1/2" & > - Pipe	15 07	TN	189 20	2,851	0 00	0	40 00	603
Liquid Fuel System 2 1/2" & > - Pipe	58 38	TN	189 20	11,045	0 00	0	40 00	2,335
				31,098		0		6,575
Auxiliary Boiler System								
Auxiliary Boiler & Associated Skids	75 00	TN	189.20	14,190	0 00	0	40.00	3,000
Auxiliary Boiler Equipment Insulation	1 68	CY	43 00	72	16 00	27	0 00	0
Fuel Oil Unloading Equipment	25 00	TN	189 20	4,730	0 00	0	40 00	1,000
				18,992		27		4,000
Account 342 Totals:				311,981		408,875		17,675
Account 343: Prime Movers								
HRSG Foundation Mat Concrete	1,212 00	CY	56 40	68,357	101 00	122,412	0 00	0
HRSG Mechanical Equipment - Unit 3A	158.80	TN	141 90	22,534	0 00	0	40 00	6,352
HRSG Mechanical Equipment - Unit 3B	162.30	TN	141 90	23,030	0 00	0	40 00	6,492
Mech Finishes - Casings	66.45	TN	141 90	9,429	0 00	0	40 00	2,658
Modules - Unit 3A	2,350.65	TN	107 50	252,695	0 00	0	40.00	94,026
Modules - Unit 3B	2,420.70	TN	107 50	260,225	0.00	0	40.00	96,828
HRSG Blowdown System 2 1/2" & > - Pipe	12 08	TN	141 90	1,713	0 00	0	40.00	483
Electrical & Controls - Unit 3A	27 50	TN	189 20	5,203	0.00	0	40.00	1,100
Electrical & Controls - Unit 3A	27 50	TN	189 20	5,203	0.00	0	40.00	1,100
				648,390		122,412		209,039
Feedwater System								
Feedwater System - 2" &< Pipe	2 47	TN	141 90	351	0.00	0	40 00	99
Feedwater System - 2 1/2" & > Pipe	51 31	TN	141 90	7,281	0.00	0	40.00	2,052
HRSG HP Feedwater Pumps	8 25	TN	141 90	1,171	0.00	0	1,600.00	13,203
HRSG LP Feedwater Pumps	8.25	TN	141.90	1,171	0.00	0	1,600.00	13,203
HRSG Feedwater Pump Foundations	615 00	CY	56.40	34,686	101.00	62,115	0 00	0
Deaerator Make-up Pumps	2 79	TN	189.20	527	0 00	0	40 00	111
H P Feedwater Pumps - Insulation	12.62	CY	43 00	543	16 00	202	0 00	0
L P Feedwater Pumps - Insulation	2.22	CY	43 00	96	16.00	36	0.00	0
L/P Feedwater Piping - Insulation	76.38	CY	43.00	3,284	16.00	1,222	0 00	0
				49,109		63,575		28,669

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	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
Combustion Turbine								
Combustion Turbine Fdn Mat Concrete	1,682 00	CY	56 40	94,865	101 00	169,882	0 00	0
Condensate Pump Casings	0 50	TN	189 20	95	0 00	0	40.00	20
Fire Pumps Foundation Concrete	29.00	CY	56 40	1,636	101 00	2,929	0 00	0
Misc Mechanical Equipment Fdn Concrete	241 00	CY	56 40	13,592	101 00	24,341	0.00	0
C T Skid Mounted Equip Fdn Conc Pads	77 00	CY	56 40	4,343	101.00	7,777	0 00	0
C T 3A Combustion Turbine	188 50	TN	107 50	20,264	0 00	0	40 00	7,540
C.T. 3B Combustion Turbine	188 50	TN	107 50	20,264	0 00	0	40 00	7,540
C T 3A Insulation	28 89	CY	43.00	1,242	16 00	462	0 00	0
C T 3A Insulation	28 89	CY	43 00	1,242	16 00	462	0 00	0
C T Interconnect Pipe 2 1/2" & > - Pipe	112 00	TN	189 20	21,190	0 00	0	40 00	4,480
C T Interconnect Pipe 2" & < - Pipe	9 39	TN	189 20	1,777	0.00	0	40 00	376
				180,509		205,853		19,956
Main Steam System								
Main Steam System 2 1/2" & > - PIPE	994 73	TN	141 90	141,151	0 00	0	40.00	39,789
L/B Main Steam Piping - Insulation	171 11	CY	43 00	7,358	16 00	2,738	0 00	0
Aux Boiler System 2" & < - Pipe	1 32	TN	189 20	249	0.00	0	40.00	53
Aux Boiler System 2 1/2" & > - Pipe	10 20	TN	189.20	1,930	0 00	0	40 00	408
L/B Auxiliary Boiler Piping - Insulation	8 75	CY	43 00	376	16 00	140	0 00	0
L/B B O P Piping - Insulation	5 38	CY	43 00	231	16 00	86	0 00	0
				151,296		2,964		40,250
Blowdown System								
HRSG Blowdown System 2" & < - Pipe	1 02	TN	189 20	193	0 00	0	40 00	41
HRSG Blowdown Tanks	4 74	TN	141 90	673	0 00	0	40 00	190
Main Steam Drain Tanks	2.88	TN	141 90	408	0 00	0	40 00	115
HRSG Blowdown Tanks - Insulation	3 58	CY	43 00	154	16 00	57	0 00	0
Steam Drain Tanks - Insulation	6 71	CY	43 00	289	16.00	107	0.00	0
Small Bore Pipe - Insulation	108 00	CY	43 00	4,644	16 00	1,728	0.00	0
Mechanical Finishes - Insulation	100 00	CY	43 00	4,300	16 00	1,600	0 00	0
				10,660		3,493		345
Steam Turbine								
Steam Turbines - Insulation	6 00	CY	43 00	258	16 00	96	0 00	0
Main Steam System 2" & < - Pipe	8 12	TN	189 20	1,535	0 00	0	40 00	325
Steam Turbine Base Plates	25 00	TN	107 50	2,688	0 00	0	40 00	1,000
Steam Turbine & Accessories	175 00	TN	107 50	18,813	0.00	0	40 00	7,000
Hydraulic Power Unit	1 50	TN	141 90	213	0 00	0	40 00	60
Instrument Tubing	4 36	TN	189 20	825	0 00	0	40 00	174
Instrument Tubing - Insulation	7 19	CY	43 00	309	16 00	115	0.00	0
Instrumentation - Insulation	0.24	CY	43.00	10	16.00	4	0 00	0
				24,650		215		8,559
Condensate System								
Condensate System 2" & < Pipe	1.64	TN	189.20	309	0 00	0	40.00	65
Condensate System 2 1/2" & > Pipe	80 47	TN	189.20	15,224	0.00	0	40.00	3,219
L/B Cond & B.D. Piping - Insulation	37.78	CY	43.00	1,625	16.00	605	0.00	0
Condenser Vacuum Pump Skid & Equipment	1.25	TN	141.90	177	0.00	0	40 00	50
Condensate Storage Tank Foundation	15.00	CY	56.40	846	101.00	1,515	0.00	0
Condensate Make-up Pumps	0 75	TN	141 90	106	0.00	0	40.00	30
HRSG Chemical FD System 2" & < - Pipe	0 98	TN	189 20	184	0.00	0	40.00	39
Circulating Water Chemical Feed Equipment	0.13	TN	189 20	24	0.00	0	40.00	5

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
HRSG Chemical Feed Skids	7 50	TN	189 20	1,419	0 00	0	40 00	300
Lube Oil Storage Tanks	3 26	TN	189 20	617	0 00	0	40 00	130
Miscellaneous Process Tanks	5 30	TN	189 20	1,003	0 00	0	40 00	212
Condensate Transfer System 2" & < - Pipe	2 15	TN	189 20	406	0 00	0	40 00	86
Condensate Transfer System 2 1/2" & > - Pipe	64 68	TN	141 90	9,178	0 00	0	40 00	2,587
Condensate Pumps	2 39	TN	141 90	339	0 00	0	40 00	96
Condensate Transfer Pumps	2 39	TN	141 90	339	0 00	0	40 00	96
Condensate Storage Tanks	1 20	TN	189 20	226	0.00	0	40 00	48
Bulk Gas System 2" & < - Pipe	5 13	TN	189 20	971	0 00	0	40.00	205
Bulk Gas Storage Area Facilities	6 67	CY	22 56	150	101 00	673	0.00	0
Water Analysis System	0 50	TN	189 20	95	0 00	0	40 00	20
Condensers	264 40	TN	141 90	37,518	0 00	0	1,000 00	264,400
Gland Steam Condensers	2 50	TN	141 90	355	0 00	0	40 00	100
Condensate Air Rem System 2" & < - Pipe	1 57	TN	189 20	298	0 00	0	40 00	63
				71,409		2,793		271,751
Circulating Water System								
Condensate Air Rem System 2 1/2" & > - Pipe	3.35	TN	141 90	475	0 00	0	40.00	134
Circulating Water System 2" & < - Pipe	0 26	TN	189 20	49	0 00	0	40 00	10
Circulating Water System 2 1/2" & > - Pipe	1 52	TN	141 90	215	0 00	0	40 00	61
L/B Circulating Water Piping - Insulation	0 31	CY	43.00	13	16 00	5	0 00	0
Circulating Water Pumps	47.98	TN	141 90	6,808	0 00	0	40 00	1,919
C W Chemical Treatment System 2" & < - Pipe	0 45	TN	189 20	85	0 00	0	40 00	18
				7,645		5		2,142
Screen Wash System								
Screen Wash Bubbler System Equipment	0 50	TN	189 20	95	0 00	0	40 00	20
Screen Wash System 2" & < - Pipe	0 05	TN	189 20	9	0 00	0	40 00	2
Screen Wash System 2 1/2" & > - Pipe	0 83	TN	141 90	118	0 00	0	40 00	33
Screen Wash Pumps	0 77	TN	141 90	109	0 00	0	40 00	31
				330		0		86
HRSG Stacks								
HRSG Stack Foundation Concrete	1,550 00	CY	56 40	87,420	101 00	156,550	0 00	0
Stack - Unit 3A	131 75	TN	141 90	18,695	0 00	0	40 00	5,270
Stack - Unit 3B	131 75	TN	141 90	18,695	0 00	0	40 00	5,270
Gland Steam Cond - Insulation	1 00	CY	43 00	43	16 00	16	0 00	0
				124,854		156,566		10,540
Lube Oil System								
Lube Oil System 2" & < - Pipe	1 91	TN	189 20	362	0 00	0	40 00	77
Lube Oil System 2 1/2" & > - Pipe	2 42	TN	141 90	343	0 00	0	40 00	97
Lube Oil Transfer/Return Pumps	1.50	TN	141 90	213	0 00	0	40 00	60
S T Lube Oil Reservoir	5 00	TN	141 90	710	0 00	0	40 00	200
Turbo L O Conditioner	1 00	TN	141 90	142	0 00	0	40 00	40
				1,769		0		473
Cranes and Hoists								
Power Block Gantry Crane	105 00	TN	141 90	14,900	0.00	0	40 00	4,200
Miscellaneous Monorails & Hoists	32.50	TN	141 90	4,612	0 00	0	40 00	1,300
				19,511		0		5,500
Combustion Turbine								
C T Atomizing Air Skids	22 50	TN	141 90	3,193	0 00	0	40.00	900

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	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 Exhaust Frame Cooling Fan Skids	6 00	TN	189 20	1,135	0 00	0	40 00	240
C T. Starting Motor Skids	27 50	TN	189 20	5,203	0 00	0	40 00	1,100
C T Water Wash Skids	13 00	TN	189 20	2,460	0 00	0	40 00	520
C T Lube Oil Skids	53 50	TN	189 20	10,122	0 00	0	40 00	2,140
C.T Fuel Gas Skids	44 00	TN	189 20	8,325	0 00	0	40 00	1,760
C T Halon Skids	2 50	TN	189 20	473	0 00	0	40 00	100
Make-Up Water StorageTank Fdn	140 00	CY	56 40	7,896	101 00	14,140	0 00	0
Demineralizer System	12 50	TN	189 20	2,365	0 00	0	40 00	500
Make-Up Water StorageTanks	85 00	TN	189 20	16,082	0 00	0	40 00	3,400
				57,254		14,140		10,660
Closed Cooling Water System								
Closed Cooling Water Heat Exchangers	25 57	TN	189 20	4,838	0 00	0	40 00	1,023
CCW System 2" & < - Pipe	5 57	TN	189 20	1,053	0 00	0	40 00	223
CCW System 2 1/2" & > - Pipe	73 61	TN	141 90	10,445	0 00	0	40 00	2,944
Closed Cooling Water Pumps	4 88	TN	141 90	692	0 00	0	40 00	195
				17,028		0		4,385
Account 343 Totals:				1,364,414		572,015		612,354
Account 344: Generators								
Steam Turbine Foundation Mat Concrete	714 00	CY	56 40	40,270	101 00	72,114	0 00	0
Steam Turbine Concrete Pedestal	620 00	CY	56 40	34,968	101 00	62,620	0 00	0
C.T. 3A Generator	157 00	TN	107 50	16,878	0 00	0	40.00	6,280
C T. 3B Generator	157 00	TN	107 50	16,878	0 00	0	40 00	6,280
C T Generator Exit Skids	5 00	TN	141 90	710	0 00	0	40 00	200
Generator Copper	18 00	TN	421 40	7,585	0 00	0	1,000 00	18,000
Generator	200 00	TN	107 50	21,500	0 00	0	40 00	8,000
Account 344 Totals:				138,787		134,734		38,760
Account 345: Accessory Electric Equipment								
Excitation System								
Generator Excitation Power Transformers	37 50	TN	141 90	5,321	0 00	0	40 00	1,500
Transformer Copper	15 00	TN	318 20	4,773	0 00	0	1,000 00	15,000
Instrumentation	9 25	TN	189 20	1,750	0 00	0	40 00	370
				11,844		0		16,870
Emergency Diesel Generators								
Diesel Generator Foundations	81 00	CY	56 40	4,568	101 00	8,181	0 00	0
Emergency Diesel Generator	5 02	TN	141 90	712	0 00	0	40 00	201
EDG System 2" & < - Pipe	0 05	TN	189 20	9	0 00	0	40 00	2
				5,289		8,181		203
Electrical Equipment								
Electrical Equipment Pads	412 00	CY	56 40	23,237	101 00	41,612	0 00	0
Station Battery, Charger & Panels	3 00	TN	189 20	568	0 00	0	40 00	120
Grounding & Cathodic Protection	75 00	TN	189 20	14,190	0.00	0	40 00	3,000
Grounding & Cathodic Protection	27 50	TN	189 20	5,203	0 00	0	40 00	1,100
Grounding Grid (Incl Pads, Rods)	6 25	TN	189 20	1,183	0.00	0	40 00	250
Lightning Protection	2 50	TN	189 20	473	0 00	0	40 00	100
Embedded Conduits	237.75	CY	216 20	51,401	0 00	0	0 00	0
Power & Control Conduits	135 15	TN	189 20	25,571	0 00	0	40 00	5,406
Cable Tray	183 18	TN	189 20	34,657	0 00	0	40 00	7,327

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	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
Concrete Duct Banks	2,110 00	CY	56 40	119,004	101 00	213,110	0.00	0
Electrical Manholes	69 44	CY	56 40	3,917	101 00	7,014	0 00	0
Isophase Bus	9 00	TN	189 20	1,703	0 00	0	40 00	360
Main Control Boards	13 33	TN	189 20	2,523	0 00	0	40 00	533
Miscellaneous Relay Panels	3 56	TN	189 20	673	0 00	0	40 00	142
Instrument Racks	12 20	TN	189 20	2,308	0 00	0	40 00	488
Annunciators	10 00	TN	189 20	1,892	0 00	0	40 00	400
Miscellaneous Power Transformers	27.50	TN	141 90	3,902	0.00	0	40 00	1,100
Transformer Copper	11 00	TN	318.20	3,500	0 00	0	1,000 00	11,000
480 V Load Centers	15 00	TN	189 20	2,838	0 00	0	40 00	600
480 V Motor Control Centers	20 00	TN	189 20	3,784	0 00	0	40 00	800
Power Cable - 8KV	61 88	TN	516 00	31,928	0 00	0	700 00	43,313
Power Cable - Medium Voltage	37 05	TN	516 00	19,116	0 00	0	700 00	25,933
Electrical Switchgear Foundations	441 00	CY	56 40	24,872	101 00	44,541	0 00	0
Non-Seg Bus	17 78	TN	189 20	3,364	0 00	0	40 00	711
4 16 KV Switchgear	10 00	TN	141 90	1,419	0 00	0	40 00	400
Control Cable	16 19	TN	516 00	8,353	0 00	0	700 00	11,332
Instrumentation Cable	9 24	TN	516 00	4,769	0 00	0	700 00	6,470
Distributed Control System	2 50	TN	305 30	763	0 00	0	40 00	100
				397,110		306,277		120,985
Account 345 Totals:				414,244		314,458		138,058
Account 346: Miscellaneous Power Plant Equipment								
Compressed Air System								
Compressed Air Piping	10 87	TN	305 30	3,318	0 00	0	40 00	435
Instrument Air System - 2" & < Pipe	1 74	TN	189 20	329	0 00	0	40 00	69
Service Air System 2" & < Pipe	4 41	TN	189 20	834	0 00	0	40 00	176
Instrument Air System - 2 1/2" & > Pipe	2 40	TN	141 90	341	0 00	0	40 00	96
Service Air System 2 1/2" & > Pipe	2 43	TN	141 90	344	0 00	0	40 00	97
Service Air Compressors & Rec	4 53	TN	189 20	857	0 00	0	40 00	181
Instrument Air Compressors, Rec , & Dryers	9 06	TN	189 20	1,714	0 00	0	40 00	362
				7,736		0		1,417
Other Equipment								
Plant Communications & Phones	2.00	TN	189 20	378	0 00	0	40 00	80
Heat Tracing	1 25	TN	189 20	237	0 00	0	40 00	50
Fire Protection/Detection Equipment	2.50	TN	189 20	473	0 00	0	40 00	100
Miscellaneous Electrical Items	20 00	TN	189 20	3,784	0 00	0	40 00	800
				4,872		0		1,030
Account 346 Totals:				12,608		0		2,447
Unit 3 Totals				3,463,885		2,695,981		946,618
Unit 4								
Account 341: Structures and Improvements								
Lighting and Fire Protection Systems								
Yard Lighting	5 50	TN	305 30	1,679	0 00	0	40 00	220
Plant Lighting	2 00	TN	305 30	611	0 00	0	40 00	80
Fire Protection System Foundation	213 00	CY	56 40	12,013	101 00	21,513	0 00	0
Sanitary Sewer Piping Foundations	18.22	CY	56 40	1,028	101 00	1,840	0 00	0
				15,331		23,353		300

Removal, Disposal & Salvage Cost Worksheet	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								
Power Block - Structural Steel	1,044 00	TN	141 90	148,144	0 00	0	40 00	41,760
Base Plates Unit 4A	20 00	TN	141 90	2,838	0 00	0	40 00	800
Base Plates Unit 4B	20 00	TN	141 90	2,838	0 00	0	40 00	800
Power Block - Handrail, Toeblock, Misc.	5 00	TN	305 30	1,527	0 00	0	40 00	200
Power Block - Decking	301 59	TN	305 30	92,075	0 00	0	40 00	12,064
Power Block - Ladders, Stairs & Platforms	58.00	TN	305 30	17,707	0 00	0	40 00	2,320
HRSG Structural/Ductwork - Unit 3A	210 05	TN	189.20	39,741	0 00	0	40 00	8,402
HRSG Structural/Ductwork - Unit 3B	205 05	TN	189 20	38,795	0 00	0	40 00	8,202
Lighting Panels	0 03	TN	305 30	8	0 00	0	40 00	1
Power Block Grade Slab Concrete	2,102 00	CY	56 40	118,553	101 00	212,302	0 00	0
Power Block Structure Foundation Concrete	2,432 00	CY	56 40	137,165	101 00	245,632	0 00	0
Power Block Elevated Slabs	581 00	CY	56 40	32,768	101 00	58,681	0 00	0
HRSG Analyzer Buildings (2 ea)	200 00	CY	56 40	11,280	101 00	20,200	0 00	0
HRSG DCS Buildings (2 ea)	152 89	CY	56 40	8,623	101 00	15,442	0 00	0
				652,062		552,257		74,549
Open Cooling Water System								
OCW System 2" & < - Pipe	0 42	TN	189 20	79	0 00	0	40 00	17
OCW System 2 1/2" & > - Pipe	42 57	TN	141 90	6,041	0 00	0	40 00	1,703
OCW Duplex Basket Strainers	0 15	TN	189 20	28	0 00	0	40 00	6
Open Cooling Water Pumps	11 80	TN	141 90	1,674	0 00	0	40 00	472
Open Cooling Water Booster Pumps	9 80	TN	141 90	1,391	0 00	0	40 00	392
				9,213		0		2,590
Pond Water System								
Pond Water System 2" & < - Pipe	0 25	TN	189 20	47	0 00	0	40 00	10
Pond Water System 2 1/2" & > - Pipe	4 11	TN	141 90	583	0 00	0	40 00	164
Pond Water Booster Pumps	3 27	TN	141 90	464	0 00	0	40 00	131
				1,094		0		305
Water Treatment System								
Service Water System 2" & < - Pipe	2.17	TN	141 90	410	0 00	0	40 00	87
Service Water System 2 1/2" & > - Pipe	2 30	TN	141 90	130	0 00	0	40 00	92
Service Water Pumps	0 57	TN	189 20	107	0 00	0	40 00	23
HRSG Blowdown Tank Sump	200 00	CY	56 40	11,280	101 00	20,200	0 00	0
Wastewater System 2" & < - Pipe	1 85	TN	189 20	349	0 00	0	40 00	74
Power Block Drainage Pipe Foundations	63 56	CY	22 56	1,434	101 00	6,419	0 00	0
Wastewater System 2 1/2" & > - Pipe	117 95	TN	141 90	16,736	0 00	0	40 00	4,718
Sump Pumps	8 75	TN	141 90	1,242	0 00	0	40 00	350
Sump Pumps & Miscellaneous	2.00	TN	141 90	284	0 00	0	40 00	80
Potable Water System	18 37	CY	22.56	414	101 00	1,855	0 00	0
Pipe Rack Drilled Piers - Concrete	657 00	CY	56 40	37,055	101 00	66,357	0 00	0
Switchgear Building	200 00	CY	56 40	11,280	101 00	20,200	0 00	0
				80,721		115,032		160,909
Account 341 Totals:				758,421		690,642		238,652
Account 342: Fuel Holders, Producers and Accessories								
Gas System								
Natural Gas System 2" & < - Pipe	0 05	TN	189.20	9	0 00	0	40.00	2
Gas Piping	82.23	TN	189 20	15,557	0.00	0	40.00	3,289
Natural Gas System 2 1/2" & > - Pipe	17 00	TN	141 90	2,412	0 00	0	40.00	680

Removal, Disposal & Salvage Cost Worksheet	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
Liquid Fuel System 2 1/2" & > - Pipe	24 63	TN	141 90	3,495	0 00	0	40 00	985
Account 342 Totals:				21,473		0		4,956
Acount 343: Prime Movers								
HRSG Foundation	1,212 00	CY	56 40	68,357	101 00	122,412	0 00	0
HRSG Mechanical - Unit 4A	158 80	TN	107 50	17,071	0 00	0	40 00	6,352
HRSG Mechanical - Unit 4B	162 30	TN	107 50	17,447	0 00	0	40 00	6,492
Mechanical Finishes - Casings	66 45	TN	141 90	9,429	0 00	0	40 00	2,658
Modules - Unit 4A	2,350 65	TN	107 50	252,695	0 00	0	40 00	94,026
Modules - Unit 4B	2,420 70	TN	107 50	260,225	0 00	0	40 00	96,828
HRSG Blowdown System 2 1/2" & > - Pipe	16 66	TN	141 90	2,364	0 00	0	40 00	666
Electrical &Controls - Unit 4A	27 50	TN	189 20	5,203	0 00	0	40 00	1,100
Electrical &Controls - Unit 4B	27 50	TN	189 20	5,203	0 00	0	40 00	1,100
				637,994		122,412		209,222
Feedwater System								
Feedwater System 2" & < - Pipe	2 40	TN	189 20	454	0 00	0	40 00	96
Feedwater System 2 1/2" & > - Pipe	52 19	TN	141 90	7,405	0 00	0	40 00	2,087
HRSG HP Feedwater Pumps	8 25	TN	141 90	1,171	0 00	0	40 00	330
HRSG LP Feedwater Pumps	8 25	TN	141 90	1,171	0 00	0	40 00	330
HRSG Feed Pump Foudations Concrete	620 00	CY	56 40	34,968	101 00	62,620	0 00	0
Deaerator Make-Up Pumps	2 79	TN	141 90	395	0 00	0	40 00	111
H P Feed Pumps - Insulation	12 62	CY	43 00	543	16 00	202	0 00	0
L P Feed Pumps - Insulation	2 22	CY	43 00	96	16 00	36	0 00	0
L/B Feedwater Piping - Insulation	99 05	CY	43 00	4 259	16 00	1,585	0 00	0
				50,462		64 442		2,955
Combustion Turbine								
Combustion Turbine Fdn Concrete	1,682 00	CY	56 40	94,865	101 00	169,882	0 00	0
Condensate Pump Casings	0 50	TN	189 20	95	0 00	0	40 00	20
Miscellaneous Mechanical Equipment Fdns < 25cy	117 00	CY	56 40	6,599	101 00	11,817	0 00	0
C T Skid Mounted Equipment Fdn Concrete Pads	106 00	CY	56 40	5,978	101 00	10,706	0 00	0
C T 4A Combustion Turbine	188 50	TN	107 50	20,264	0 00	0	40 00	7,540
C T 4B Combustion Turbine	188 50	TN	107 50	20,264	0 00	0	40 00	7,540
C T 4A Insulation	28 89	CY	43 00	1,242	16 00	462	0 00	0
C T 4B Insulation	28 89	CY	43 00	1,242	16 00	462	0 00	0
C T Interconnect Pipe 2 1/2" & > - Pipe	108 22	TN	141 90	15,356	0 00	0	40 00	4,329
C T Interconnect Pipe 2 " & < - Pipe	9 89	TN	189 20	1,871	0 00	0	40 00	396
				167,776		193,329		19,824
Main Steam System								
Main Steam System 2 1/2" & > Pipe	1,036 13	TN	141 90	147,026	0 00	0	40 00	41,445
L/B Main Steam Piping - Insulation	171 03	CY	43 00	7,354	16 00	2,737	0 00	0
Aux Boiler System 2" & < - Pipe	0 79	TN	189 20	149	0 00	0	40 00	32
Aux Boiler System 2 1/2" & > - Pipe	3 00	TN	141 90	426	0 00	0	40 00	120
L/B Auxiliary Boiler Piping - Insulation	7 67	CY	43 00	330	16 00	123	0 00	0
L/B B O P Piping - Insulation	3 80	CY	43 00	163	16 00	61	0 00	0
				155,448		2,920		41,597
Blowdown System								
HRSG Blowdown System 2" & Under - Pipe	0 69	TN	189 20	131	0 00	0	40 00	28
HRSG Blowdown Tanks	4 74	TN	141 90	673	0 00	0	40 00	190

Removal, Disposal & Salvage Cost Worksheet	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Main Steam DrainTanks	2 88	TN	141 90	408	0 00	0	40 00	115
HRSG Blowdown Tanks - Insulation	3 58	CY	43 00	154	16 00	57	0 00	0
Steam Drain Tanks - Insulation	6 71	CY	43 00	289	16 00	107	0 00	0
Mechanical Finishes - Insulation	100 00	CY	43 00	4,300	16 00	1,600	0 00	0
				5 954		1,765		332
Steam Turbine								
Steam Turbines - Insulation	6 00	CY	43 00	258	16 00	96	0 00	0
Main Steam System 2" & < - Pipe	7 63	TN	189 20	1,443	0 00	0	40 00	305
Steam Turbine Base Plates	25 00	TN	107 50	2,688	0 00	0	40 00	1 000
Steam Turbine & Accessories	175 00	TN	141 90	24,833	0 00	0	40 00	7,000
Hydraulic Power Unit	1 50	TN	141 90	213	0 00	0	40 00	60
Instrument Tubing	3 61	TN	189 20	683	0 00	0	40 00	144
				30,117		96		8,509
Condensate System								
Condensate System 2" & < - Pipe	2 07	TN	189 20	391	0 00	0	40 00	83
Condensate System 2 1/2" & > - Pipe	80 80	TN	141 90	11,465	0 00	0	40 00	3,232
L/B Condensate Piping - Insulation	33 60	CY	43 00	1,445	16 00	538	0 00	0
Condenser Vacuum Pump Skid & Equip	1 25	TN	141 90	177	0 00	0	40 00	50
Condensate Storage Tank Fdn	14 00	CY	56 40	790	101 00	1,414	0 00	0
Condensate Make-Up Pumps	0 75	TN	141 90	106	0 00	0	40 00	30
HRSG Chemical Fd System 2" & < - Pipe	1 02	TN	189 20	193	0 00	0	40 00	41
HRSG Chemical Feed Skids	7 50	TN	141 90	1,064	0 00	0	40 00	300
Lube Oil Storage Tanks	3 26	TN	141 90	463	0 00	0	40 00	130
Miscellaneous Process Tanks	5 30	TN	141 90	752	0 00	0	40 00	212
CondensateTransfer System 2" & < - Pipe	2 15	TN	189 20	407	0 00	0	40 00	86
CondensateTransfer System 2 1/2" & > - Pipe	48 66	TN	141 90	6,905	0 00	0	40 00	1,946
Condensate Pumps	2 39	TN	141 90	339	0 00	0	40 00	96
Condensate Transfer Pumps	2 39	TN	141 90	339	0 00	0	40 00	96
Condensate Storage Tanks	1 20	TN	141 90	170	0 00	0	40 00	48
Bulk Gas System 2" & < - Pipe	5 79	TN	189 20	1,096	0 00	0	40 00	232
Condensers	264 40	TN	141 90	37,518	0 00	0	1,000 00	264,400
Gland Steam Condensers	2 50	TN	141 90	355	0 00	0	40 00	100
Condensate Air Rem System 2" & < - Pipe	1 26	TN	189 20	238	0 00	0	40 00	50
Condensate Air Rem System 2 1/2" & > - Pipe	3 53	TN	141 90	500	0 00	0	40 00	141
				64,713		1,952		271,272
Circulating Water System								
Circulating Water System 2" & < - Pipe	0 75	TN	189 20	142	0 00	0	40 00	30
Circulating Water System 2 1/2" & > - Pipe	1 59	TN	141 90	226	0 00	0	40 00	64
L/B Circulating Water Piping - Insulation	0 31	CY	43 00	13	16 00	5	0 00	0
Circulating Water Pumps	47 98	TN	189 20	9,077	0 00	0	40 00	1,919
C W Chem Tr System 2" & < - Pipe	0 45	TN	189 20	85	0 00	0	40 00	18
24" Diameter ICW Pipe	26 67	CY	216 20	5,765	0 00	0	0 00	0
84" Diameter ICW Pipe	388 89	CY	216 20	84,078	0 00	0	0 00	0
Concrete - Cofferdam Area	295 00	CY	56 40	16,638	101 00	29,795	0 00	0
66" Diameter Inground CW Pipe	12 22	CY	216 20	2,642	0 00	0	0 00	0
				118,666		29,800		2,031
Screen Wash System								
Intake Bar Rack & Cleaning Rake	2 50	TN	189 20	473	0 00	0	40 00	100
Intake Traveling Screens	16 00	TN	189 20	3,027	0 00	0	40 00	640
Screen Wash Bubbler System Equipment	0 50	TN	189 20	95	0 00	0	40 00	20

Removal, Disposal & Salvage Cost Worksheet	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
Screen Wash System 2" & < - Pipe	0.04	TN	189 20	8	0 00	0	40 00	2
Screen Wash System 2 1/2" & > - Pipe	0.83	TN	141 90	118	0 00	0	40 00	33
Screen Wash Pumps	0 77	TN	141 90	109	0 00	0	40 00	31
				3,830		0		826
HRSG Stack								
HRSG Stack Foundation Concrete	1,550.00	CY	56 40	87,420	101 00	156,550	0 00	0
Stack - Unit 4A	131 75	TN	141 90	18,695	0 00	0	40 00	5,270
Stack - Unit 4B	131 75	TN	141 90	18,695	0 00	0	40.00	5,270
Gland Steam Condenser - Insulation	1 00	CY	43 00	43	16 00	16	0 00	0
				124,854		156,566		10,540
Lube Oil System								
Lube Oil System - 2" & < Pipe	1.64	TN	189 20	309	0 00	0	40 00	65
Lube Oil System - 2 1/2" & > Pipe	2 58	TN	141 90	366	0 00	0	40 00	103
Lube Oil Transfer/Return Pumps	1 50	TN	141 90	213	0 00	0	40 00	60
S T Lube Oil Reservoir	5 00	TN	141 90	710	0 00	0	40 00	200
Turbo Lube Oil Conditioner	1 00	TN	141 90	142	0 00	0	40 00	40
				1,740		0		469
Cranes and Hoists								
Miscellaneous Monorails & Hoists	32 50	TN	189 20	6,149	0 00	0	40 00	1,300
Combustion Turbine								
C T Atomizing Air Skids	22 50	TN	189 20	4,257	0 00	0	40 00	900
C T. Exhaust Frame Cooling Fan Skids	6 00	TN	189 20	1,135	0 00	0	40 00	240
C T Starting Motor Skids	27 50	TN	189 20	5,203	0 00	0	40 00	1,100
C T. Water Wash Skids	13 00	TN	189 20	2,460	0 00	0	40 00	520
C T Lube Oil Skids	53 50	TN	189 20	10,122	0.00	0	40 00	2,140
C T Fuel Gas Skids	44 00	TN	189.20	8,325	0 00	0	40 00	1,760
C T Halon Skids	2 50	TN	189 20	473	0.00	0	40 00	100
				31,975		0		6,760
Closed Cooling Water System								
Closed Cooling Water Heat Exchanger	25 57	TN	189 20	4,838	0 00	0	40 00	1,023
CCW System 2 " & < - Pipe	5 52	TN	189 20	1,044	0 00	0	40 00	221
CCW System 2 1/2" & > - Pipe	73 02	TN	141 90	10,362	0 00	0	40 00	2,921
Closed Cooling Water Pumps	4 88	TN	141 90	692	0 00	0	40 00	195
				16,935		0		4,359
Account 343 Totals				1,416,612		573,282		579,996
Account 344: Generators								
Steam Turbine Foundation Mat Concrete	734 00	CY	56 40	41,398	101 00	74,134	0 00	0
Steam Turbine Pedestal Concrete	620 00	CY	56 40	34,968	101 00	62,620	0 00	0
C T 4A Generator	157 00	TN	107.50	16,878	0 00	0	40 00	6,280
C T 4B Generator	157.00	TN	107 50	16,878	0 00	0	40 00	6,280
C T Generator Exit Skids	5.00	TN	107 50	538	0.00	0	40.00	200
Generator Copper	18 00	TN	421.40	7,585	0 00	0	1,000 00	18,000
Generator	200 00	TN	107 50	21,500	0 00	0	40 00	8,000
Account 344 Totals				139,743		136,754		38,760

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	Total Units of Measure	Unit of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Unit Salvage Value	Total Salvage Value
Account 345: Accessory Electric Equipment								
Excitation Equipment								
Generator Excitation Power Transformers	37 50	TN	141 90	7,095	0 00	0	40 00	1,500
Transformer Copper	15 00	TN	318 20	4,773	0 00	0	1,000 00	15,000
Instrumentation	8 61	TN	189 20	486	0 00	0	40 00	344
				12,354		0		16,844
Electrical Equipment								
Electrical Equipment Pads Concrete	75 00	CY	56 40	4,230	101 00	7,575	0 00	0
Uninterruptible Power Supply	0 50	TN	189.20	95	0 00	0	40 00	20
Station Battery Charger & Panels	3.00	TN	189 20	568	0 00	0	40.00	120
Grounding & Cathodic Protection	27 50	TN	189 20	5,203	0 00	0	40 00	1,100
Grounding Grid (Incl. Pads Rods)	5 53	TN	189 20	1,047	0 00	0	40 00	221
Lightning Protection	2 50	TN	189 20	473	0.00	0	40 00	100
Embedded Conduits Foundations	230 34	CY	56 40	12,991	101 00	23,264	0 00	0
Power & Control Conduits	109 66	TN	189 20	20,748	0 00	0	40 00	4,386
Cable Tray	152 16	TN	189 20	28,789	0 00	0	40 00	6,087
Concrete Duct Banks	2,261 00	CY	56 40	127,520	101 00	228,361	0 00	0
Electrical Manholes	41 67	CY	22 56	940	101 00	4,208	0 00	0
Isophase Bus	9.00	TN	189 20	1,703	0 00	0	40 00	360
Main Control Boards	13 33	TN	189 20	2,523	0 00	0	40 00	533
Miscellaneous Relay Panels	3 56	TN	189 20	673	0.00	0	40.00	142
Instrument Racks	10 80	TN	189 20	2,043	0 00	0	40 00	432
Annunciators	5 00	TN	189 20	946	0 00	0	40.00	200
Miscellaneous Power Transformers	27 50	TN	189.20	5,203	0 00	0	40.00	1,100
208/120V AC Distribution Panels	0 89	TN	189 20	168	0 00	0	40 00	36
480 V Load Centers	7 50	TN	189 20	1,419	0 00	0	40 00	300
480 V Motor Control Centers	17.50	TN	189 20	3,311	0 00	0	40 00	700
480V AC Distribution Panels	3 30	TN	189 20	624	0.00	0	40 00	132
Power Cable - 8KV	60.65	TN	516 00	31,293	0 00	0	40 00	2,426
Power Cable - Medium Voltage	30 42	TN	516 00	15,696	0.00	0	40 00	1,217
Electrical Switchgear Foundation Concrete	441 00	CY	56 40	24,872	101 00	44,541	0 00	0
Non-Seg Bus	17 78	TN	189 20	3,364	0 00	0	40 00	711
4 16 KV Switchgear	7 50	TN	189.20	1,419	0 00	0	40 00	300
Control Cable	16 08	TN	516 00	8,299	0 00	0	40 00	643
Instrumentation Cable	7 41	TN	516 00	3,821	0 00	0	40 00	296
Distributed Control System	2 50	TN	189 20	473	0 00	0	40 00	100
				310,455		307,950		21,663
Account 345 Totals				322,808		307,950		38,507
Account 346: Miscellaneous Plant Equipment								
Compressed Air Piping	10.74	TN	189.20	2,033	0 00	0	40 00	430
Instrument Air System 2" & < Pipe	0 15	TN	189.20	28	0.00	0	40 00	6
Service Air System 2 " & < Pipe	2 85	TN	189 20	539	0 00	0	40.00	114
Instrument Air System 2 1/2" & > Pipe	1.57	TN	141 90	222	0.00	0	40.00	63
Service Air System 2 1/2" & > Pipe	1 83	TN	141 90	259	0 00	0	40.00	73
Instrument Air Compressors, Rec, & Dryers	9 06	TN	189 20	1,714	0.00	0	40 00	362
Plant Communications & Phones	2.00	TN	189.20	378	0.00	0	40.00	80
Heat Tracing	1.25	TN	189 20	237	0 00	0	40.00	50
Fire Protection/Detection Equipment	2 50	TN	189 20	473	0.00	0	40 00	100
Miscellaneous Electrical Items	20.00	TN	189 20	3,784	0 00	0	40.00	800
Account 346 Totals				9,667		0		2,078

Martin Units 3, 4 & 8 Dismantlement Study

Removal, Disposal & Salvage Cost Worksheet	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 4 Totals				2,668,724		1,708,627		902,949
Unit 3 & 4 Totals				6,132,609		4,404,609		1,849,568
Unit 8								
Acount 342: Fuel Holders								
Light Oil Tank - 48,000 BBLs	220 00	TN	n/a	28,562	n/a	0	40.00	8,800
Light Oil Tank - Cleaning	n/a	n/a	n/a	0	n/a	37,795	n/a	0
Light Oil Tank - Soil Remediation	n/a	n/a	n/a	0	n/a	8,076	n/a	0
Demolition of Foundation	n/a	n/a	n/a	0	n/a	452,417	n/a	0
Account 342 Totals				28,562		498,288		8,800
Acount 343: Prime Movers								
Gas Turbine	377 00	TN	107 50	40,528	0 00	0	40 00	15,080
Generator	532 00	TN	107 50	57,190	0 00	0	40 00	21,280
Accessory Module	88 00	TN	189.20	16,650	0 00	0	40 00	3,520
Enclosures & Barriers	124 00	TN	189 20	23,461	0 00	0	40 00	4,960
PECC	52.35	TN	189 20	9,905	0 00	0	40 00	2,094
Collector Cab	20 00	TN	189 20	3,784	0 00	0	40 00	800
Colling Fan Module	14 30	TN	189 20	2,706	0 00	0	40 00	572
GEC W/LCI	77 00	TN	189.20	14,568	0 00	0	40 00	3,080
CT Inlet Filter	148 00	TN	189 20	28,002	0 00	0	40 00	5,920
CT Inlet Duct & Support Steel	186 00	TN	189 20	35,191	0 00	0	40 00	7,440
Exhaust Duct System	481.00	TN	189 20	91,005	0 00	0	40 00	19,240
Liquid Fuel & Atomizing Air	86.00	TN	189 20	16,271	0 00	0	40 00	3,440
Water Wash Skid	8 50	TN	189 20	1,608	0 00	0	40 00	340
Bus & Equipment	45 00	TN	189.20	8,514	0 00	0	40 00	1,800
Concrete	7,169 00	CY	189 20	1,356,375	101 00	724,069	0.00	0
Inlet Gas Scrubbing	2 60	TN	189.20	492	0 00	0	40 00	104
Miscellaneous Structural Steel	10 00	TN	189 20	1,892	0 00	0	40 00	400
Cooling Package Assembly	20 00	TN	189 20	3,784	0 00	0	40 00	800
Diffuser	30 00	TN	189 20	5,676	0.00	0	40 00	1,200
Package Piping	84 00	TN	189 20	15,893	0 00	0	40.00	3,360
Storm Water Pumps	2 72	TN	189.20	514	0.00	0	40 00	109
Air compressor	8 84	TN	189 20	1,673	0 00	0	40 00	354
Water Cooling Unit	204 00	TN	189 20	38,597	0 00	0	40 00	8,160
Fuel Gas Heat Exchangers	27 00	TN	189 20	5,108	0 00	0	40.00	1,080
Miacellaneous Valves	1 10	TN	189 20	208	0 00	0	40 00	44
				1,779,593		724,069		105,176
Account 345: Accessory Electric Equipment								
Electrical Power Cable	5 00	TN	189.20	946	0 00	0	40 00	200
Electrical Control Cable	2 50	TN	189 20	473	0 00	0	40 00	100
Station Transformer	38 50	TN	189 20	7,284	0 00	0	40 00	1,540
CT Step-up Transformer	46 56	TN	189 20	8,809	0 00	0	40 00	1,862
Control Center-off base	54 00	TN	189 20	10,217	0 00	0	40 00	2,160
Miscellaneous Materials + 5%	430.47	TN	189 20	81,445	0.00	0	40 00	17,219
				109,174		0		23,081
Unit 8 Totals				1,917,329		1,222,357		137,057

PORT EVERGLADES PLANT

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Port Everglades Plant

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

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

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

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

Unit	Year
Common	2009
Unit 1	2007
Unit 2	2007
Unit 3	2009
Unit 4	2010
GTs	2007

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-00-0293-PAA-EI, issued on February 14, 2000. The current accruals became effective as of January 1, 1999.

PORT EVERGLADES
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Port Everglades Common				
311	Structures and Improvements	1,260,360	2,071,038	112,248	3,219,150
312	Boiler Plant Equipment	3,643	0	720	2,923
314	Turbogenerator Units	33,514	16,878	4,560	45,832
315	Accessory Electrical Equipment	123,303	26,190	63,972	85,521
316	Miscellaneous Equipment	8,706	0	1,340	7,366
	Subtotal	1,429,526	2,114,106	182,840	3,360,792
	Other Site Costs:				
	Site Mangement Expenses	868,070			868,070
	Intake & Discharge Backfill	166,719			166,719
	Grading & Seeding	2,435,026			2,435,026
	Subtotal	3,469,816	0	0	3,469,816
	Total	4,899,341	2,114,106	182,840	6,829,607
	Contingency - 16%	783,895	338,257		1,122,152
	Total Port Everglades Common	5,683,236	2,452,363	182,840	7,952,759
	Unusable M&S Inventory	1,861,658		186,165	1,675,493
		7,544,894	2,452,363	369,005	9,628,252
	Port Everglades Units 1 & 2				
311	Structures and Improvements	1,180,645	523,412	8,457	1,695,599
312	Boiler Plant Equipment	3,172,469	1,051,712	482,110	3,742,071
314	Turbogenerator Units	3,506,592	274,748	309,014	3,472,326
315	Accessory Electrical Equipment	452,499	66,639	403,204	115,934
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	8,312,205	1,916,511	1,202,785	9,025,931
	Contingency - 16%	1,329,953	306,642		1,636,594
	Total Port Everglades Units 1 & 2	9,642,157	2,223,153	1,202,785	10,662,525
	Port Everglades Units 3 & 4				
311	Structures and Improvements	1,193,278	1,777,348	38,635	2,931,991
312	Boiler Plant Equipment	6,836,726	1,125,602	575,243	7,387,084
314	Turbogenerator Units	3,241,350	370,762	725,303	2,886,809
315	Accessory Electrical Equipment	253,552	74,302	158,844	169,010
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	11,524,906	3,348,014	1,498,026	13,374,894
	Contingency - 16%	1,843,985	535,682		2,379,667
	Total Port Everglades Units 3 & 4	13,368,891	3,883,696	1,498,026	15,754,561
	Port Everglades Gas Turbines				
341	Structures and Improvements	6,000	9,700	0	15,700
342	Fuel Holders, Producers and Accessories	57,124	89,468	13,600	132,992
343	Prime Movers	142,996	0	37,680	105,316
344	Generators	157,786	0	52,152	105,634
345	Accessory Electric Equipment	82,227	0	72,280	9,947
	Subtotal	446,133	99,168	175,712	369,589
	Contingency - 16%	71,381	15,867		87,248
	Total Port Everglades Gas Turbines	517,514	115,035	175,712	456,837
	Total Dismantlement Costs	31,073,456	8,674,247	3,245,528	36,502,176

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	3,409,942	4,134,952	2,452,363	369,005	9,628,252
Port Everglades Units 1 & 2	5,785,294	3,856,863	2,223,153	1,202,785	10,662,525
Port Everglades Units 3 & 4	8,021,334	5,347,556	3,883,696	1,498,026	15,754,561
Port Everglade Gas Turbines	310,508	207,006	115,035	175,712	456,837
Total	17,527,079	13,546,377	8,674,247	3,245,528	36,502,176

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 PGD. 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.

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 plant 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 Port Everglades plant depreciation study submitted in 2002 (on an information only basis) using plant and reserve data as of December 31, 2002.

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. Substantial amounts of asbestos remain and can be expected to require abatement at final dismantlement. FPL's PGD has estimated the cost of asbestos removal at $1,353 per cubic yard. This estimate is based on FPL's experience with asbestos abatement at the Cape Canaveral and Palatka sites. The disposal cost per cubic yard varies from site to site depending on the landfill used.

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 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 were developed by FPL's Power Generation Division (PGD). The crew rate per man-hour is for a crew consisting of six journeymen laborers, one laborer foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a Trojan 3500Z front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. The productivity factor employed, i.e., 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 for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$27.82	X	6	=	$166.94
Foreman	$35.75	X	1	=	$35.75
Heavy Equipment Operator	$33.32	X	1	=	$33.32
Total Cost per hour of 8 man crew					$236.01
Cost per man hour		$236.01	/ 8	=	$29.50

Equipment Rate

The equipment rate is based on the following equipment:

Excavator				15,961.61
Front End Loader				5,471.12
Cutting Equipment				208.12
Total per month				$21,640.85
21,640.85	/ 176	hours per month =		122.96
Cost per man hour		$122.96	/ 8 =	$15.37
Plus: amount for small tools				0.80
Total Cost per man hour				$16.17

Equipment & Labor Summary

Labor	$29.50
Equipment	16.17
Total	$45.67
Rounded	$46.00
For Concrete demolition add $4.00 per hour additional equipment charge.	$50.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$46.00	2.50 MH / Ton	$115.00 / Ton
Heavy Steel (2)	$46.00	3.30 MH / Ton	$151.80 / Ton
General Steel	$46.00	4.40 MH / Ton	$202.40 / Ton
Light Steel	$46.00	7.10 MH / Ton	$326.60 / Ton
Concrete	$50.00	0.48 MH / CY	$24.00 / CY
Reinforced Concrete	$50.00	1.20 MH / CY	$60.00 / CY
Copper-Elect. Cable & Generator Leads &	$46.00	12.00 MH / Ton	$552.00 / Ton
Copper - Generator	$46.00	9.80 MH / Ton	$450.80 / Ton
Copper - Transformer	$46.00	7.40 MH / Ton	$340.40 / Ton
General Insulation	$46.00	1.00 MH / CY	$46.00 / CY
Inground Pipe-Metal(3)	$46.00	6.00 MH / Ton	$276 00 / Ton
Concrete Pipe	$50.00	4.60 MH / Ton	$230.00 / 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 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 $39.60 per ton for both concrete and calcium-silicate insulation.The dumpster charges, including driver, are $150.00 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.

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					$150.00
Tipping Fees	$39.60	/ TN	X	30.5 TN	1,207.80
Total Cost per round Trip					$1,357.80
Cost per Cubic Yard	$1,357.80	/ 15.38 cubic yards =			$88.28
Plus 10% contractor profit					8.83
Total Cost per Cubic Yard					$97.11
Rounded Cost per Cubic Yard					$97.00

Insulation

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 - 40 cubic yards - the full volume of the dumpster). A cubic yard of insulation weighs 121.5 pounds or .060750 tons. A 40 cubic yard dumpster would hold 2.43 tons of insulation. The tipping fee for asbestos insulation is $23.50 per cubic yard.

Calcium Silicate Insulation

Dumpster Charge	$150.00	/haul	X	1 haul	=	$150.00
Tipping Fees	$39.60	/ TN	X	2.43 TN	=	96.23
Total Cost per round Trip						246.23
Cost per Cubic Yard	$246.23	/ 36 cubic yards =				$6.84
Plus 10% contractor profit						0.68
Total Cost per Cubic Yard						$7.52
Rounded Cost per Cubic Yard						$8.00

Asbestos Insulation

Dumpster Charge	$150.00	/haul	X	1 haul	=	$150.00
Tipping Fees	$23.50	/ CY	X	40 CY	=	940.00
Total Cost per round Trip						$1,090.00
Cost per Cubic Yard	$1,090.00	/ 36 cubic yards =				$30.28
Plus 10% contractor profit						3.03
Total Cost per Cubic Yard						$33.31
Rounded Cost per Cubic Yard						$33.00

SALVAGE VALUE FACTORS

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

Iron & Steel	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable:	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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 $15,996.54 per month, both office and site, and contractor's expenses of $20,173.03 per month These expenses are assumed to be incurred over the 24 month dismantlement period assumed for the Port Everglades Plant FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expenses include field management , security, and other costs.

Site Management Expenses per month	$36,170
Number of months	24.00
Total Site Mangement Expenses	$868,070

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. For Port Everglades, the costs are as follows:

	Cost/Structure	Quantity	Totals
Intake	$32,242	2	$64,484
Discharge	$25,559	4	$102,235
Total Cost to Backfill Intake & Discharge Structures equals			$166,719

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 is $46,118 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.

Port Everglades Acreage to be graded and seeded	52.80
Cost Factor	$46,118
Total Grading and Seeding Expense	$2,435,026

PORT EVERGLADES 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	Realizable Total Salvage Value
Port Everglades Common										
FERC Account 311										
Improvements to Site										
Roads, Walks	CY	1	3 0	3 00	24 00	72	97 00	291	0 00	0
Yard Lighting	TN	1	9 5	9 50	326 60	3,103	0.00	0	40 00	380
						3,175		291		380
Condensing & Service Water System										
Service Water Tanks	TN	1	3 0	3 00	202 40	607	0 00	0	40 00	120
Intake & Discharge										
Concrete	CY	1	1,344 0	1,344 00	60.00	80,640	97 00	130,368	0 00	0
Concrete Piping - 48"	CY	1	28 0	28 00	230 00	6,440	0 00	0	0 00	0
						87,080		130,368		0
Station Structures										
Substructure Concrete Mats	CY	1	6,524 0	6,524 00	60 00	391,440	97 00	632,828	0 00	0
C I Drain Line	TN	1	781 3	781 30	151 80	118,601	0 00	0	40 00	31,252
Structural Steel	TN	1	754 8	754 80	151 80	114,579	0 00	0	40 00	30,192
Roofing & Floor Slabs	CY	1	403 0	403 00	24 00	9,672	97 00	39,091	0 00	0
Cranes, Derricks & Hoists	CY	1	157 5	157 50	202 40	31,878	0 00	0	40 00	6,300
Miscellaneous & Building Iron	TN	1	135 6	135 60	202 40	27,445	0 00	0	40 00	5,424
						693,615		671,919		73,168
Oil Storage Facilities										
Tanks & Accessories	TN	1	8 0	8 00	202 40	1,619	0 00	0	40 00	320
Oil Transfer Pumps & Motors	TN	1	8 7	8 70	202 40	1,761	0 00	0	40 00	348
Piping	TN	1	48 3	48 30	202 40	9,776	0 00	0	40 00	1,932
Reinforced Concrete	CY	1	1,270 0	1,270 00	60 00	76,200	97 00	123,190	0 00	0
						89,356		123,190		2,600
Building Equipment										
Building Elevator	TN	1	11 0	11 00	202 40	2,226	0 00	0	40 00	440
HVAC	TN	1	17 5	17 50	202 40	3,542	0 00	0	40 00	700
Plumbing	TN	1	14 0	14 00	202 40	2,834	0 00	0	40.00	560
Lighting & Building Wiring	TN	1	9 0	9 00	552 00	4,968	0.00	0	40 00	360
Fire Protection Equipment	TN	1	5 0	5 00	326 60	1,633	0 00	0	40 00	200
						15,203		0		2,260
Tank Farm										
#6 Fuel Oil Tanks	TN	N/A	288 0	288 00	0 00	257,058	n/a	0	40 00	11,520
Cleaning of all tanks	BL	N/A	0 0	0 00	n/a	0	n/a	726,435	0 00	0
Soil Remediation	CY	N/A	0 0	0 00	n/a	0	n/a	344,145	0 00	0
Total						257,058		1,070,580		11,520
Service Building										
Concrete	CY	1	45 0	45 00	24 00	1,080	97 00	4,365	0 00	0
Structural Steel	TN	1	27 0	27 00	151 80	4,099	0 00	0	40 00	1,080
Roofing	CY	1	20 0	20 00	24 00	480	97 00	1,940	0 00	0
Plumbing	TN	1	18 0	18 00	202 40	3,643	0 00	0	40 00	720
						9,302		6,305		1,800

PORT EVERGLADES 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	Realizable Total Salvage Value
Administration Building										
Concrete	CY	1	480 0	480 00	24 00	11,520	97 00	46,560	0 00	0
Structural Steel	TN	1	300.0	300 00	151.80	45,540	0.00	0	40 00	12,000
Roofing	CY	1	225 0	225 00	24 00	5,400	97 00	21,825	0 00	0
Plumbing	TN	1	210 0	210 00	202 40	42,504	0 00	0	40 00	8,400
						104,964		68,385		20,400
Total FERC Account 311						1,260,360		2,071,038		112,248
FERC Account 312										
Boiler Plant Equipment										
Boiler Room Instruments	TN	1	8 0	8 00	202 40	1,619	0 00	0	40 00	320
Boiler Blow-Off & Outfall Drains	TN	1	10 0	10 00	202 40	2,024	0 00	0	40 00	400
Total FERC Account 312						3,643		0		720
FERC Account 314										
Turbogenerator Unit										
Condenser Auxiliary Equipment - Condensate Pumps	TN	3	18 0	54 00	202 40	10,930	0 00	0	40 00	2,160
Motors - 900 hp, 4,000V	TN	3	16 0	48 00	202 40	9,715	0 00	0	40 00	1,920
Concrete	CY	1	174 0	174 00	60 00	10,440	97 00	16,878	0 00	0
Turbine Room Instruments	TN	1	12 0	12 00	202 40	2,429	0 00	0	40 00	480
Total FERC Account 314						33,514		16,878		4,560
FERC Account 315										
Accessory Electrical Equipment										
Auxiliary Power Transformer	TN	2	59 4	118 80	326 60	38,800	0 00	0	40 00	4,752
Transformer Copper	TN	1	54 0	53 96	340 40	18,368	0 00	0	1,000 00	53,960
Transformers - Foundation	CY	1	270 0	270 00	60 00	16,200	97 00	26,190	0 00	0
Start-Up Transformer	TN	1	75 5	75 50	326 60	24,658	0 00	0	40 00	3,020
Control Cable Supporting Cable Trays	TN	1	31 0	31 00	552 00	17,112	0 00	0	40 00	1,240
Control Boards & Load Centers	TN	1	25 0	25 00	326 60	8,165	0 00	0	40 00	1,000
Total FERC Account 315						123,303		26,190		63,972
FERC Account 316										
Miscellaneous Power Plant Equipment										
Compressed Air System	TN	1	18 0	18 00	202 40	3,643	0 00	0	40 00	720
Intrasite Communications & Signal Equipment	TN	1	3 5	3 50	326 60	1,143	0 00	0	40 00	140
Service Air Piping	TN	1	12 0	12 00	326 60	3,919	0 00	0	40 00	480
Total FERC Account 316						8,706		0		1,340
Total Port Everglades Common						1,429,526		2,114,106		182,840
Port Everglades Units 1 & 2										
FERC Account 311										
Improvements to Site										
Circ & Serv Water Sys - Piping	TN	1	6 0	11 99	202 40	2,426	0 00	0	40 00	479
Pumping Equipment 3000 gpm	TN	3	1 8	10 80	202 40	2,186	0.00	0	40 00	432
Service Water Tanks	TN	2	2 5	10 00	202 40	2,024	0 00	0	40 00	400
Elevated Water Tank - 100,000 gal	TN	1	8 0	16 00	202 40	3,238	0 00	0	40 00	640

PORT EVERGLADES 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	Realizable Total Salvage Value
Reinforced Concrete	CY	1	1224.0	2,448 00	60 00	146,880	97 00	237,456	0.00	0
Traveling and Coarse Steel Screens	TN	2	21 0	83 80	202 40	16,961	0 00	0	40 00	3,352
Intake Gantry Crane - 20 Ton	TN	1	56.5	56 50	151 80	8,577	0 00	0	40 00	2,260
Screen Wash Pumps	TN	2	2 0	8 00	202 40	1,619	0 00	0	40 00	320
Chlorinator & Expansion Tank	TN	1	1 0	2 00	202 40	405	0 00	0	40 00	80
Reinforced Concrete Transition Blocks	TN	1	1388 0	2,776 00	60 00	166,560	97 00	269,272	0 00	0
Concrete Pipe	TN	1	430 0	860 00	230 00	197,800	0 00	0	0 00	0
Cast Iron Pipe	TN	1	2 4	4 75	276 00	1,311	0 00	0	40 00	190
Corrugated Metal Pipe	TN	1	3 8	7 60	276 00	2,098	0 00	0	40 00	304
Reinforced Concrete	CY	1	86 0	172 00	60 00	10,320	97 00	16,684	0 00	0
Concrete Culvert Pipe - 12" I D	TN	1	1344 0	2,688 00	230 00	618,240	0 00	0	0 00	0
Total Account 311						1,180,645		523,412		8,457
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil Day Tanks- 12,000 bbl	TN	1	50 60	101 20	0 00	28,562	n/a	0	40 00	4,048
Fuel Oil Day Tanks- Cleaning	EA	2	n/a	n/a	n/a	n/a	n/a	29,704	0 00	0
Fuel Oil Day Tanks- Soil Remediation	EA	2	n/a	n/a	n/a	n/a	n/a	24,264	0.00	0
Fuel Oil Day Tanks - Reinforced Concrete	EA	2	n/a	n/a	n/a	n/a	n/a	59,142	0 00	0
Fuel Tank - 238,000 bbl	TN	1	793 33	793 33	n/a	42,843	n/a	0	40 00	31,733
Fuel Tank - Cleaning	EA	1	n/a	n/a	n/a	0	0 00	221,849	0 00	0
Fuel Tank - Soil Remediation	EA	1	n/a	n/a	n/a	0	0 00	47,404	0 00	0
Surge & Calibration Tanks - 3,000 bbl	TN	2	5 00	20 00	151 80	3,036	0 00	0	40 00	800
Light-Up Oil Tank - 600 bbl	TN	1	1 00	2 00	151 80	304	0 00	0	40 00	80
Fuel Oil Heaters	TN	3	10 08	60 48	202.40	12,241	0 00	0	40 00	2,419
Fuel Oil Burner Pumps (including motor)	TN	3	1 70	10 17	202 40	2,058	0 00	0	40 00	407
Burner Booster Fuel Oil Burner Pump	TN	1	2 90	5 79	202.40	1,172	0 00	0	40 00	232
Burner Windbox	TN	1	60 00	120 00	202 40	24,288	0 00	0	40 00	4,800
Subtotal						114,504		382,363		44,519
Boiler Equipment										
Boiler Frame & Platforms	TN	1	1,316 00	2,632 00	151.80	399,538	0 00	0	40 00	105,280
Walkways & Platforms	TN	1	170 00	340 00	326 60	111,044	0 00	0	40 00	13,600
Steel Decking, Grating & Handrail	TN	1	155 00	310 00	326 60	101,246	0 00	0	40 00	12,400
Boiler - including	TN	1	1,736.00	3,472 00	151 80	527,050	0 00	0	40 00	138,880
Furnace Tubing										
Superheater Tubing										
Reheater Tubing										
Economizer Tubing										
Desuperheaters										
Brickwork & Refractories										
Forced Draft Fans										
Soot Blowers										
Buckstays										
Insulation	CY	1	165	330 00	1,353 00	446,490	33 00	10,890	0 00	0
Circulating Water Pumps	TN	2	35 70	142 80	202 40	28,903	0 00	0	40 00	5,712
Circulating Water Pump Motors	TN	2	12.40	49 60	202 40	10,039	0.00	0	40 00	1,984
Instrument Air Compressors	TN	2	2 00	8 00	202 40	1,619	0.00	0	40 00	320
Air Piping	TN	1	4 43	8 86	202 40	1,792	0.00	0	40 00	354
Extraction Feedwater Heater #1	TN	1	14 45	28 90	151 80	4,387	0.00	0	40.00	1,156
Extraction Feedwater Heater #2	TN	1	10.05	20 10	151 80	3,051	0 00	0	40 00	804
Extraction Feedwater Heater #3	TN	1	9.75	19 50	202 40	3,947	0 00	0	40 00	780
Extraction Feedwater Heater #4	TN	1	8 30	16 60	202 40	3,360	0 00	0	40 00	664

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	Realizable Total Salvage Value
Extraction Feedwater Heater #5	TN	1	51 00	102 00	202 40	20,645	0 00	0	40 00	4,080
Extraction Feedwater Heater #6	TN	1	24 05	48 10	202 40	9,735	0 00	0	40 00	1,924
Extraction Feedwater Heater #7	TN	1	28 95	57 90	202 40	11,719	0 00	0	40 00	2,316
Deaerator	TN	1	20 00	40 00	151 80	6,072	0 00	0	40 00	1,600
Boiler Feed Pumps	TN	3	10 00	60 00	151 80	9,108	0 00	0	40 00	2,400
Boiler Feed Pump Motors	TN	6	15 00	180 00	202 40	36,432	0 00	0	40 00	7,200
Pedestal - Reinforced Concrete	CY	1	93 50	187 00	60 00	11,220	97 00	18,139	0 00	0
Condensate Storage Tank	TN	1	30 00	60 00	202 40	12,144	0 00	0	40 00	2,400
Condensate Storage Tank - Foundation	CY	1	32 00	64 00	60 00	3,840	97.00	6,208	0 00	0
Boiler Blowoff Tank	TN	1	1 08	2.16	151 80	328	0 00	0	40 00	86
Miscellaneous Tanks	TN	1	4 00	8 00	202 40	1,619	0 00	0	40 00	320
FW Sys - Steel Pressure Filters	TN	2	14 15	28 30	202 40	5,728	0 00	0	40 00	1,132
FW Sys - Cation Exchangers	TN	2	7 50	15 00	202 40	3,036	0 00	0	40 00	600
FW Sys - Steel Acid Tank	TN	1	7 25	7 25	202 40	1,467	0 00	0	40 00	290
Condensate Recovery Collection Tank	TN	1	2 59	5.18	202 40	1,048	0 00	0	40 00	207
Subtotal						1,776,607		35,237		306,490
Closed System Cooling Water Equipment										
Cooling Water Pumps	TN	2	2 13	8 50	202 40	1,720	0 00	0	40 00	340
Cooling Water Heat Exchangers	TN	3	11 00	66 00	202 40	13,358	0 00	0	40 00	2,640
C W Ht Exch. Foundation	CY	1	22.00	44 00	60 00	2,640	97.00	4,268	0 00	0
Cooling Water Surge Tank	TN	1	1 43	2 85	202 40	577	0 00	0	40 00	114
Subtotal						18,296		4,268		3,094
Boiler Plant Piping										
Main Steam Piping - 18"	TN	1	81 37	162 73	151 80	24,703	0 00	0	40 00	6,509
Hot Reheat Piping - 26"	TN	1	87 83	175 65	151 80	26,664	0 00	0	40 00	7,026
Cold Reheat Piping - 20"	TN	1	45 95	91 90	151 80	13,951	0 00	0	40 00	3,676
Extraction Steam Piping	TN	1	93 31	186 63	151 80	28,330	0 00	0	40 00	7,465
Auxiliary Steam Piping	TN	1	5 32	10 63	151 80	1,614	0 00	0	40 00	425
Condensate Piping	TN	1	22 47	44 94	151 80	6,822	0 00	0	40 00	1,798
Boiler Feed Piping	TN	1	11 01	22 01	151 80	3,341	0 00	0	40 00	880
Subtotal						105,425		0		27,780
Water Piping										
Demineralized Water Piping	TN	1	3 34	6 69	202 40	1,354	0 00	0	40 00	268
Other Water Piping	TN	1	46.06	92 11	202 40	18,644	0 00	0	40 00	3,685
Miscellaneous Piping	TN	1	80 15	160 30	202 40	32,444	0 00	0	40 00	6,412
Subtotal						52,442		0		10,364
Instrument Piping & Tubing										
Instrument Piping	TN	1	6 71	13 42	202 40	2,716	0 00	0	40 00	537
Instrument Tubing	TN	1	34 49	68.98	202.40	13,961	0.00	0	40.00	2,759
Instrument Multitube	TN	1	3 74	7 48	202 40	1,514	0 00	0	40 00	299
Piping Insulation	CY	1	71 90	143 80	1,353 00	194,564	33 00	4,745	0 00	0
Subtotal						212,755		4,745		3,595
Induced Draft Equipment										
Gas Ducts	TN	1	600 00	1,200 00	151.80	182,160	0.00	0	40 00	48,000
Stack Breeching	TN	1	37 18	74.36	60 00	4,462	97 00	7,213	0 00	0
Foundations- Reinforced Concrete	CY	1	74 75	149 50	60 00	8,970	97 00	14,502	0 00	0
Insulation - Ducts	CY	1	900 00	1,800 00	60 00	108,000	8 00	14,400	0 00	0
Induced Draft Fans - Foundations	CY	1	178 50	357 00	60 00	21,420	97 00	34,629	0 00	0
Induced Draft Fans	TN	2	37 50	150 00	151 80	22,770	0 00	0	40 00	6,000
Induced Draft Fan - Motors	TN	2	17 85	71 40	202 40	14,451	0 00	0	40 00	2,856

PORT EVERGLADES 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	Realizable Total Salvage Value
Concrete Stack	CY	1	1,946 00	3,892 00	60 00	233,520	97.00	377,524	0.00	0
Stack - Reinforced Concr Foundation	CY	1	775 00	1,550 00	60 00	93,000	97 00	150,350	0 00	0
Dust Collectors	TN	2	75 58	302 30	151 80	45,889	0 00	0	40 00	12,092
Dust Collectors - Foundation	CY	1	136 50	273 00	60 00	16,380	97 00	26,481	0 00	0
Subtotal						751,022		625,098		68,948
Miscellaneous Steel & Equipment	TN	1	433 00	433 00	326 60	141,418	0 00	0	40 00	17,320
Total Account 312						3,172,469		1,051,712		482,110
FERC Account 314										
Turbogenerator Unit										
Pedestal - Reinforced Concrete	CY	1	1,042 00	2,084 00	60 00	125,040	97.00	202,148	0 00	0
Turbogenerator - Unit	TN	1	370 00	740 00	115 00	85,100	0 00	0	40 00	29,600
Turbine Copper	TN	1	33 00	66 00	450 80	29,753	0 00	0	1,000 00	66,000
Turbine Plant Piping	TN	1	161 00	322.00	202 40	65,173	0 00	0	40.00	12,880
Turbine Plant Piping - Insulation	CY	1	1,100 00	2,200 00	1,353 00	2,976,600	33 00	72,600	0 00	0
Subtotal						3,281,666		274,748		108,480
Condenser & Auxiliaries										
Condenser	TN	1	337 50	675 00	151 80	102,465	0 00	0	40 00	27,000
Condenser Tubes	TN	1	117 50	235 00	326 60	76,751	0 00	0	700 00	164,500
Circulating Water Pumps	TN	2	9 75	39 00	202 40	7,894	0 00	0	40 00	1,560
Butterfly Valves	TN	2	4 30	17 19	202 40	3,480	0 00	0	40.00	688
Condensate Pumps	TN	2	6 50	26 00	202 40	5,262	0 00	0	40 00	1,040
Condensate Pump Motors	TN	2	4 60	18 40	202 40	3,724	0 00	0	40 00	736
Vent Condenser	TN	1	1 20	2 40	202 40	486	0 00	0	40 00	96
Main Vacuum Pump	TN	1	9 50	19 00	202 40	3,846	0 00	0	40 00	760
Main Vacuum Pump - Motor	TN	1	1 20	2 40	202 40	486	0 00	0	40 00	96
Auxiliary Vacuum Pump	TN	1	5 75	11 50	202 40	2,328	0 00	0	40 00	460
Auxiliary Vacuum Pump - Motor	TN	1	1 00	2 00	202 40	405	0 00	0	40 00	80
Subtotal						207,125		0		197,016
Turbine Room Auxiliaries										
Turbine Lube Oil Dump Tank	TN	1	1 78	3 55	202 40	719	0 00	0	40 00	142
Turbine Lube Cooler	TN	1	8 80	17 60	202 40	3,562	0 00	0	40 00	704
Hydrogen Cooler	TN	1	2 45	4 90	202 40	992	0 00	0	40 00	196
Generator Exciter Air Cooler	TN	1	2 20	4 40	202 40	891	0 00	0	40 00	176
Subtotal						6,163		0		1,218
Miscellaneous Steel & Equipment	TN	1	57 50	57 50	202 40	11,638	0 00	0	40 00	2,300
Total Account 314						3,506,592		274,748		309,014
FERC Account 315										
Accessory Electrical Equipment										
Generator Leads and Enclosures	TN	1	9 00	18 00	202 40	3,643	0 00	0	40.00	720
Reinforced Concrete	CY	1	109 00	109 00	60 00	6,540	97 00	10,573	0 00	0
Foundations - Reinforced Concrete	CY	1	18.00	18.00	60.00	1,080	97.00	1,746	0.00	0
Auxiliary Power Transformer	TN	1	28 98	57 95	326 60	18,926	0 00	0	40 00	2,318
Circ Pump Power Supply Transformers	TN	4	1 55	12 40	326 60	4,050	0 00	0	40 00	496
Start-Up Transformer	TN	1	36 75	36 75	326 60	12,003	0.00	0	40 00	1,470
Transformer Copper	TN	1	26 29	26 29	340 40	8,949	0 00	0	1,000 00	26,290
One-Section ITE Circuit Breaker	TN	1	5 00	10 00	326 60	3,266	0.00	0	40 00	400
Metal Clad Switchgear - 4160 v	TN	1	32 00	64 00	326 60	20,902	0 00	0	40 00	2,560

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	Realizable Total Salvage Value
Metal Clad Switchgear - 480 v	TN	1	17 00	17 00	202 40	3,441	0 00	0	40 00	680
Concrete	CY	1	560 00	560 00	60 00	33,600	97 00	54,320	0 00	0
Conduit	TN	1	97 14	194 27	202 40	39,321	0 00	0	40 00	7,771
Exposed Conduit & Trays	TN	1	19 68	39 35	202 40	7,965	0 00	0	40 00	1,574
Cable Trays	TN	1	16 90	33 80	202 40	6,841	0 00	0	40 00	1,352
Subtotal						170,527		66,639		45,631
Power & Control Wiring										
No 1 and Smaller	TN	1	12 47	24 93	552 00	13,764	0 00	0	700 00	17,454
1/0 to 4/0	TN	1	8.62	17 23	552 00	9,512	0 00	0	700 00	12,062
Multiconductor - Various Sizes	TN	1	185 24	370 48	552 00	204,504	0 00	0	700 00	259,335
5kv, 4/0 & Smaller	TN	1	5 49	10 98	552 00	6,063	0 00	0	700 00	7,689
5kv, 200 MCM to 500 MCM	TN	1	11 01	22 03	552 00	12,160	0 00	0	700 00	15,420
5kv, 1500 MCM	TN	1	25 20	50 40	552 00	27,821	0 00	0	700 00	35,280
Thermocouple Wire	TN	1	5 59	11 18	552 00	6,169	0 00	0	700 00	7,823
W & C Connections - 600v, #8 & Smaller	TN	1	1 79	3 59	552 00	1,979	0 00	0	700 00	2,510
Subtotal						281,972		0		357,573
Total Account 315						452,499		66,639		403,204
TOTAL PORT EVERGLADES UNIT 1 & 2						8,312,205		1,916,511		1,202,785
PORT EVERGLADES UNITS 3 & 4										
FERC Account 311										
Improvements to Site										
Concrete Pavement	CY	1	79	158 00	24 00	3,792	97 00	15,326	0 00	0
Sewer System										
48" Concrete Pipe - 6"	TN	1	1 61	1 61	24 00	39	97 00	156	0 00	0
48" Concrete Pipe - 8"	TN	1	3 20	3 20	24 00	77	97 00	310	0 00	0
48" Concrete Pipe - 10"	TN	1	7 20	7 20	24 00	173	97 00	698	0 00	0
48" Concrete Pipe - 12"	TN	1	7 40	7 40	24 00	178	97 00	718	0 00	0
48" Concrete Pipe - 15"	TN	1	6 80	6 80	24 00	163	97 00	660	0 00	0
48" Concrete Pipe - 18"	TN	1	5 80	5 80	24 00	139	97 00	563	0 00	0
Subtotal						4,560		18,431		0
Condensing and Service Water System										
Water Treatment Area Slab	CY	1	261 00	522 00	60 00	31,320	97 00	50,634	0 00	0
Piping - Cast Iron - 18"	TN	1	26 98	53 96	276 00	14,892	0 00	0	40 00	2,158
Intake Cooling Water Pumps	TN	2	2 00	8 00	202 40	1,619	0 00	0	40 00	320
Intake Structure - Concrete	CY	1	849 00	1,698 00	60 00	101,880	97 00	164,706	0 00	0
Wingwall Cap & Crane Rail Pads	CY	1	106 00	212 00	60 00	12,720	97 00	20,564	0 00	0
Traveling Water Screens	TN	2	14.11	56 43	202.40	11,421	0 00	0	40.00	2,257
1 1/2 Ton Electric Hoist	TN	1	3 50	7 00	202 40	1,417	0 00	0	40 00	280
Screen Refuse Line - Concrete Pipe	TN	1	506 67	1,013 33	24 00	24,320	97 00	98,293	0 00	0
Intake Culvert - 144" concrete pipe	TN	1	322 67	645 33	24 00	15,488	97 00	62,597	0 00	0
Inlet & Outlet Concrete Structures	CY	1	404 00	808 00	60 00	48,480	97 00	78,376	0 00	0
Intake Conduit - 78" Rein Conc Pipe	TN	1	547 33	1,094 67	60 00	65,680	97 00	106,183	0 00	0
Concrete	CY	1	692 00	1,384 00	60 00	83,040	97 00	134,248	0 00	0

PORT EVERGLADES DISMANTLEMENT STUDY

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Discharge Conduit - 60" Concr Pipe	TN	1	249 58	499 17	60 00	29,950	97 00	48,419	0 00	0
Concrete	CY	1	360 00	720 00	60 00	43,200	97 00	69,840	0 00	0
Seal Well Concrete Structure	CY	1	390 00	780 00	60 00	46,800	97 00	75,660	0 00	0
Concrete Pedestal Mat	CY	1	3,712 00	7,424 00	60 00	445,440	97 00	720,128	0 00	0
Structural Steel	TN	1	305 00	610 00	151 80	92,598	0 00	0	40 00	24,400
Miscellaneous Steel	TN	1	23 00	46 00	202 40	9,310	0 00	0	40 00	1,840
Floors - Concrete	CY	1	167 00	334 00	60 00	20,040	97 00	32,398	0 00	0
Galvanized Steel Floor	TN	1	52.20	104 40	202 40	21,131	0 00	0	40.00	4,176
Forced Draft Fan Enclosure - Concr	CY	1	147 00	294 00	60 00	17,640	97 00	28,518	0.00	0
Elevator	TN	1	37.60	75 20	202 40	15,220	0.00	0	40 00	3,008
Subtotal						1,153,606		1,690,565		38,439
Fuel & Ash Structures										
Concrete	CY	1	29 00	58 00	60 00	3,480	97 00	5,626	0 00	0
Ash Pit Sumps - Concrete	CY	1	18 00	36 00	60 00	2,160	97 00	3,492	0 00	0
Ash Disposal Lines - 10"	CY	1	113 33	226 67	24 00	5,440	97 00	21,987	0 00	0
Concrete	CY	1	152 00	304 00	60 00	18,240	97 00	29,488	0 00	0
Fuel Oil Transfer Pumps	TN	2	1 23	4 90	202 40	992	0 00	0	40 00	196
Fuel Oil Trnsfr Hse Extn - Concrete	CY	1	80 00	80 00	60 00	4,800	97 00	7,760	0 00	0
Subtotal						35,112		68,353		196
Total Account 311						1,193,278		1,777,348		38,635
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	28,562	n/a	0	40 00	4,048
Fuel Oil Metering Tank - Cleaning	EA	1	n/a	n/a	n/a	0	n/a	29,704	0 00	0
Fuel Oil Metering Tank - Soil Remediation	EA	1	n/a	n/a	n/a	0	n/a	24,264	0 00	0
Fuel Oil Metering Tank - Foundation	EA	1	n/a	n/a	n/a	0	n/a	59,142	0 00	0
Fuel Tank - Reinforced Concrete	EA	1	87 00	87 00	60 00	5,220	97 00	8,439	0 00	0
Fuel Tank - 238,000 bbl	TN	1	793 33	793 33	n/a	42,843	n/a	0	40 00	31,733
Fuel Tank - Cleaning	EA	1	n/a	n/a	n/a	0	n/a	194,181	0 00	0
Fuel Tank - Soil Remediation	EA	1	n/a	n/a	n/a	0	n/a	41,492	0 00	0
Burner Pumps	TN	3	1 50	9 00	202 40	1,822	0 00	0	40 00	360
Concrete	CY	1	77 00	154 00	60 00	9,240	97 00	14,938	0 00	0
Forced Draft Foundation	CY	1	193 00	386 00	60 00	23,160	97 00	37,442	0 00	0
Forced Draft Fans - 384,000 cfm	TN	2	30.50	122 00	151 80	18,520	0 00	0	40.00	4,880
3,500 HP Motors - 4000v, 1200 rpm	TN	2	8 00	32 00	151 80	4,858	0 00	0	40 00	1,280
Forced Draft Fan Air Ducts	TN	2	307 20	1,228 80	202 40	248,709	0 00	0	40 00	49,152
Insulation	CY	1	480 00	960 00	46 00	44,160	8 00	7,680	0 00	0
Insulation	CY	1	350 00	700 00	1,353.00	947,100	33 00	23,100	0.00	0
Subtotal						1,374,193		440,382		91,453
Boiler Equipment										
Boiler Frame	TN	1	1,232 00	2,464 00	151 80	374,035	0 00	0	40 00	98,560
Platforms, Grating & Handrails	TN	1	237 00	474 00	326.60	154,808	0 00	0	40 00	18,960
Boiler - including:	TN	1	3,042 00	6,084.00	151 80	923,551	0 00	0	40 00	243,360
Drum										
Waterwall, Cowncomers & Tubes										
Piping, Valves & Silencers										
Radiant Superheater										
Convection Superheater										
Reheater										

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	Realizable Total Salvage Value
Economizer										
Sootblowers										
Insulation	CY	1	340 00	680 00	46 00	31,280	8 00	5,440	0 00	0
Insulation	CY	1	240 00	480 00	1,353 00	649,440	33 00	15,840	0 00	0
Air Preheater	TN	2	250 00	1,000 00	151 80	151,800	0 00	0	40 00	40,000
Subtotal						2,284,915		21,280		400,880
Boiler Plant Auxiliaries										
H P Feedwater Heater #1	TN	1	67 45	134 90	151 80	20,478	0 00	0	40 00	5,396
H P Feedwater Heater #2	TN	1	50 95	101 90	151 80	15,468	0 00	0	40 00	4,076
L P Feedwater Heater #3	TN	1	17 85	35 70	202 40	7,226	0 00	0	40 00	1,428
L P Feedwater Heater #4	TN	1	15 10	30 20	202 40	6,112	0 00	0	40 00	1,208
L P Feedwater Heater #5	TN	1	11 85	23 70	202 40	4,797	0 00	0	40 00	948
L P Feedwater Heater #6	TN	1	15 85	31 70	202 40	6,416	0 00	0	40 00	1,268
L P Feedwater Heater #7	TN	1	21 85	43 70	202 40	8,845	0 00	0	40 00	1,748
Boiler Feed Pumps (including motors)	TN	2	27 00	108 00	151 80	16,394	0 00	0	40 00	4,320
Concrete	CY	1	119 00	238 00	60 00	14,280	97 00	23,086	0 00	0
Condensate Storage Tank - 150,000 gl	TN	1	41 25	82 50	202 40	16,698	0 00	0	40 00	3,300
Condensate Storage Tank Foundation	CY	1	105 00	210 00	60 00	12,600	97 00	20,370	0 00	0
Subtotal						129,315		43,456		23,692
Boiler Plant Piping										
Main Steam Piping - 20 5 inch OD	TN	1	75 50	151 01	151 80	22,923	0 00	0	40 00	6,040
Main Steam Piping - 16 inch OD	TN	1	6 71	13 41	151 80	2,036	0 00	0	40 00	536
Hot Reheat Piping - 30 inch OD	TN	1	44 17	88 34	151 80	13,410	0 00	0	40 00	3,534
Hot Reheat Piping - 22 inch OD	TN	1	13 14	26 29	151 80	3,991	0 00	0	40 00	1,052
Cold Reheat Piping - 32 inch OD	TN	1	20 31	40 62	151 80	6,166	0 00	0	40 00	1,625
Cold Reheat Piping - 24 inch OD	TN	1	7 71	15 42	151 80	2,341	0 00	0	40 00	617
Boiler Plant Piping Insulation	CY	1	400 00	800 00	46 00	36,800	8 00	6,400	0 00	0
Boiler Plant Piping Insulation	CY	1	325 00	650 00	1,353 00	879,450	33 00	21,450	0 00	0
Extraction Steam Piping	TN	1	32 00	64 00	151 80	9,715	0 00	0	40 00	2,560
Boiler Feed Piping	TN	1	46 00	92 00	151 80	13,966	0 00	0	40 00	3,680
Boiler Feed Piping Insulation	CY	1	320 00	640 00	46 00	29,440	8 00	5,120	0 00	0
Silencers	TN	3	4 10	24 60	202 40	4,979	0 00	0	40 00	984
Saturated Auxiliary Steam - Piping	TN	1	21 72	43 43	202 40	8,790	0 00	0	40 00	1,737
Service & Cooling Water Piping	TN	1	94 85	189 70	202 40	38,395	0 00	0	40 00	7,588
Instrument, Sampling & Control Piping	TN	1	33 20	66 40	202 40	13,438	0 00	0	40 00	2,656
Pipe Insulation	CY	1	395 00	790 00	46 00	36,340	8 00	6,320	0 00	0
Pipe Insulation	CY	1	265 00	530 00	1,353 00	717,090	33 00	17,490	0 00	0
Subtotal						1,839,271		56,780		32,609
Induced Draft Equipment										
Insulation	CY	1	240 00	480 00	1,353 00	649,440	33 00	15,840	0 00	0
Insulation	CY	1	340 00	680 00	46 00	31,280	8 00	5,440	0 00	0
Stacks	CY	1	1,970 00	3,940 00	60 00	236,400	97 00	382,180	0.00	0
Dust Collectors 4,700 cu ft	TN	2	35 00	140 00	151 80	21,252	0 00	0	40 00	5,600
Concrete Stack Foundation	CY	1	826 00	1,652 00	60 00	99,120	97 00	160,244	0 00	0
Subtotal						1,037,492		563,704		5,600
Miscellaneous Steel & Equipment	TN	1	525 23	525 23	326 60	171,540	0 00	0	40 00	21,009
Total Account 312						6,836,726		1,125,602		575,243

PORT EVERGLADES 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	Realizable Total Salvage Value
FERC Account 314										
Turbo-Generator Units										
Conditioner	TN	1	1 83	3.65	202 40	739	0 00	0	40 00	146
Pedestal Concrete	CY	1	1,586 00	3,172 00	60 00	190,320	97 00	307,684	0 00	0
Inserts & Anchor Bolts	TN	1	1 73	3 47	202 40	702	0 00	0	40 00	139
Turbo-Generator Unit	TN	1	648 00	1,296 00	115 00	149,040	0 00	0	40 00	51,840
Turbine Piping	TN	1	260 00	520 00	552 00	287,040	0 00	0	40 00	20,800
Turbine Copper	TN	1	58 00	116 00	450 80	52,293	0.00	0	1,000.00	116,000
Turbine Insulation	CY	1	700 00	1,400 00	1,353 00	1,894,200	33 00	46,200	0 00	0
Subtotal						2,574,333		353,884		188,925
Condensers and Auxiliaries										
Condenser Shell	TN	1	867 50	1,735 00	151 80	263,373	0 00	0	40 00	69,400
Condenser Tubes - Titanium	TN	1	214 50	429 00	326 60	140,111	0 00	0	1,000 00	429,000
Circulating Water Pumps - 137,500 gpm	TN	2	52 50	210 00	202 40	42,504	0 00	0	40 00	8,400
Motors 1,250 HP, 4000v, 257 rpm	TN	2	18 04	72 14	202 40	14,601	0 00	0	40 00	2,886
Butterfly Valves	TN	2	8 00	32 00	202 40	6,477	0 00	0	40 00	1,280
Cond Pumps - 24" suction, 12" dischrg	TN	3	9 23	55 35	202 40	11,203	0 00	0	40 00	2,214
Motors - 900 HP, 4,000 v, 1,200 rpm	TN	3	5 85	35 10	202 40	7,104	0 00	0	40 00	1,404
Concrete	CY	1	87 00	174 00	60 00	10,440	97 00	16,878	0 00	0
Tank - 6,500 gallon	TN	1	27 18	54 36	202 40	11,002	0 00	0	40 00	2,174
Subtotal						506,816		16,878		516,758
Miscellaneous Steel & Equipment	TN	1	490 51	490 51	326 60	160,201	0 00	0	40 00	19,620
Total Account 314						3,241,350		370,762		725,303
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Concrete	CY	1	8 00	16 00	60 00	960	97 00	1,552	0 00	0
Steel Structures & Supports	TN	1	3 40	6 80	151 80	1,032	0 00	0	40 00	272
Equipment Foundations - Concrete	CY	1	29 00	58 00	60 00	3,480	97 00	5,626	0 00	0
Switchgear Foundations - Concrete	TN	1	77 00	154 00	60 00	9,240	97 00	14,938	0 00	0
Aux Power Transformer - 24,000 kva 4080gl	TN	1	59 40	118 80	326 60	38,800	0 00	0	40 00	4,752
Transformer Copper	TN	1	53 96	53 96	340 40	18,368	0 00	0	1,000 00	53,960
Concrete	CY	1	269 00	538 00	60 00	32,280	97 00	52,186	0 00	0
Conduit	TN	1	40 00	80 00	326 60	26,128	0 00	0	40 00	3,200
Conductors - Generator Leads	TN	1	20 00	40 00	552 00	22,080	0 00	0	1,000 00	40,000
Power Wiring - 5,000 v & 600 v	TN	1	35 00	70 00	552 00	38,640	0 00	0	700 00	49,000
Switchgear - 4,160v Metalclad	TN	1	40 00	80 00	326 60	26,128	0 00	0	40 00	3,200
Switchgear - 480v Metalclad	TN	1	18 00	36 00	326 60	11,758	0 00	0	40 00	1,440
Startup Transformer	TN	1	75 50	75 50	326 60	24,658	0 00	0	40.00	3,020
Total Account 315						253,552		74,302		158,844
TOTAL PORT EVERGLADES UNITS 3 & 4						11,524,906		3,348,014		1,498,026
GAS TURBINES										
FERC Account 341										
Structures & Improvements										
Concrete and Foundations	CY	1	100 00	100 00	60 00	6,000	97 00	9,700	0 00	0
Total Account 341						6,000		9,700		0

PORT EVERGLADES 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	Realizable Total Salvage Value
FERC Account 342										
Fuel Holders										
Fuel Oil Storage Tanks PPE 903 & PPE 904	TN	2	170 00	340 00	0 00	57,124	0 00	0	40 00	13,600
Cleaning of Fuel Oil Storage Tank	BL	n/a	n/a	n/a	0 00	0	n/a	79,974	0 00	0
Sand Base Beneath Fuel Oil Storage Tank	CY	n/a	n/a	n/a	0 00	0	n/a	9,494	0 00	0
Total Account 342						57,124		89,468		13,600
FERC Account 343										
Prime Movers										
Gas Expander With Sole Plates	TN	1	37.20	446 40	151 80	67,764	0 00	0	40 00	17,856
Gas Generator Engines With Bases	TN	1	6 00	72 00	151 80	10,930	0 00	0	40 00	2,880
Turning Gear & Outer Exhaust Case	TN	1	4 30	51 60	151 80	7,833	0 00	0	40 00	2,064
Upper Half - Outer Exhaust Case	TN	1	1 25	15 00	151 80	2,277	0 00	0	40.00	600
Upper Half - Inner Exhaust Case	TN	1	11 00	132 00	151 80	20,038	0 00	0	40 00	5,280
Other Items	TN	1	18 75	225 00	151 80	34,155	0 00	0	40 00	9,000
Total Account 343						142,996		0		37,680
FERC Account 344										
Generators										
Generator - Electric with Soleplates	TN	1	77 00	924 00	151 80	140,263	0 00	0	40 00	36,960
Turbine Copper	TN	1	6 00	12 00	450 80	5,410	0 00	0	1,000 00	12,000
Rotor and 2 Coupling Hubs	TN	1	6 65	79 80	151 80	12,114	0 00	0	40 00	3,192
Total Accunt 344						157,786		0		52,152
FERC Account 345										
Accessor Electrical Equipment										
Transformer Copper	TN	1	55 60	55 60	340 40	18,926	0 00	0	1,000 00	55,600
Transformers	TN	1	139 00	417 00	151 80	63,301	0 00	0	40 00	16,680
Total Account 345						82,227		0		72,280
TOTAL PORT EVERGLADES GAS TURBINES						446,133		99,168		175,712
TOTAL PORT EVERGLADES UNITS 1 THRU 4, TANK FARM, AND GAS TURBINES						21,712,769		7,477,799		3,059,363

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:

Unit	Year
Common	2008
Unit 1	2008
Unit 2	2007

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. 981166-EI, Order No. PSC-00-0293-PAA-EI, issued on February 14, 2000. The current accruals became effective as of January 1, 1999.

PUTNAM
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Putnam Common				
	Production Plant				
341	Structures and Improvements	527,405	1,053,129	35,023	1,545,511
342	Fuel Holders	316,265	209,959	109,223	417,001
343	Prime Movers	87,615	13,789	15,785	85,618
344	Generator Units	0	0	0	0
345	Accessory Electrical Equipment	529,718	68,902	210,566	388,055
346	Miscellaneous Equipment	6,338	0	1,340	4,998
	Subtotal	1,467,341	1,345,779	371,936	2,441,184
	Other Site Costs.				
	Site Mangement Expenses	434,035			434,035
	Intake & Discharge Backfill	32,242			32,242
	Grading & Seeding	1,664,857			1,664,857
	Subtotal	2,131,134	0	0	2,131,134
	Total	3,598,475	1,345,779	371,936	4,572,318
	Contingency - 16%	575,756	215,325		791,081
	Total Putnam Common	4,174,231	1,561,104	371,936	5,363,399
	Unusable M&S Inventory	1,088,269		108,827	979,442
		5,262,500	1,561,104	480,763	6,342,841
	Putnam Units 1 & 2				
341	Structures and Improvements	303,305	412,474	22,227	693,552
342	Fuel Holders	0	0	0	0
343	Prime Movers	495,053	37,509	161,440	371,122
344	Generator Units	365,374	0	256,503	108,871
345	Accessory Electrical Equipment	0	0	0	0
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	1,163,732	449,982	440,170	1,173,544
	Contingency - 16%	186,197	71,997		258,194
	Total Putnam Units 1 & 2	1,349,929	521,980	440,170	1,431,739
	Total Dismantlement Costs	6,612,429	2,083,083	920,933	7,774,579

PUTNAM
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Putnam Common	2,504,539	2,757,962	1,561,104	480,763	6,342,841
Putnam Units 1 & 2	809,957	539,972	521,980	440,170	1,431,739
Total	3,314,496	3,297,933	2,083,083	920,933	7,774,579

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 PGD. 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.

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 plant 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 Putnam plant depreciation study submitted in 2002 (on an information only basis), using plant and reserve data as December 31, 2001.

Putnam plant 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 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 were developed by FPL's Power Generation Division (PGD). Thecrew rate per man-hour is for a crew consisting of six journeymen laborers, one laborer foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a Trojan 3500Z front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. 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 for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$25.40	X	6	=	$152.40
Foreman	$32.63	X	1	=	$32.63
Heavy Equipment Operator	$30.42	X	1	=	$30.42
Total Cost per hour of 8 man crew					$215.45
Cost per man hour		$215.45	/ 8	=	$26.93

Equipment Rate

The equipment rate is based on the following equipment:

Excavator				15,961.61
Front End Loader				5,471.12
Cutting Equipment				208.12
Total per month				$21,640.85
21,640.85	/ 176	hours per month =		122.96
Cost per man hour		$122.96	/ 8 =	$15.37
Plus: amount for small tools				0.80
Total Cost per man hour				$16.17

Equipment & Labor Summary

Labor	$26.93
Equipment	16.17
Total	$43.10
Rounded	$43.00
For Concrete demolition add $4.00 per hour additional equipment charge.	$47.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$43.00	2.50 MH / Ton	$107.50 / Ton
Heavy Steel (2)	$43.00	3.30 MH / Ton	$141.90 / Ton
General Steel	$43 00	4.40 MH / Ton	$189.20 / Ton
Light Steel	$43.00	7.10 MH / Ton	$305.30 / Ton
Concrete	$47.00	0.48 MH / CY	$22.56 / CY
Reinforced Concrete	$47.00	1.20 MH / CY	$56.40 / CY
Copper-Elect. Cable & Generator Leads &	$43.00	12.00 MH / Ton	$516.00 / Ton
Copper - Generator	$43.00	9.80 MH / Ton	$421.40 / Ton
Copper - Transformer	$43.00	7.40 MH / Ton	$318.20 / Ton
General Insulation	$43.00	1.00 MH / CY	$43.00 / CY
Inground Pipe-Metal(3)	$43.00	6.00 MH / Ton	$258.00 / Ton
Concrete Pipe	$47.00	4.60 MH / Ton	$216.20 / 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 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 $47/ton was obtained from the Putnam County Landfill and dumpster charge of $135/ haul (including driver) for both size dumpsters was obtained from Waste Management Inc.

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	$135.00	/haul	X	1 haul	$135.00
Tipping Fees	$47.00	/ ton	X	30.5 tons	= 1,433.50
Total Cost per round Trip					$1,568.50
Cost per Cubic Yard	$1,568.50	/ 15.38 cubic yards =			$101.98
Plus 10% contractor profit					10.20
Total Cost per Cubic Yard					$112.18
Rounded Cost per Cubic Yard					$112.00

Insulation - Calcium Silicate (Non-Hazardous)

A trailer with a 20 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 20 cubic yards - the full volume of the dumpster). A cubic yard of calcium silicate insulation weighs 121.5 pounds or .060750 tons. 20 cubic yards times .060750 tons/cubic yard = 1.21 tons.

Dumpster Charge	$135.00	/haul	X	1 haul	135.00
Tipping Fees	$47.00	/ ton	X	1.21 tons	= 56.87
Total Cost per round Trip					191.87
Cost per Cubic Yard	$191.87	/ 18 cubic yards =			$10.66
Plus 10% contractor profit					1.07
Total Cost per Cubic Yard					$11.73
Rounded Cost per Cubic Yard					$12.00

SALVAGE VALUE FACTORS

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

Iron & Steel	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable:	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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 $15.996.54 per month both office and site, and contractor's expenses of $20,173.03 per month. for site indirect costs. These expenses are to be incurred over the 12 month dismantlement period for the Putnam plant. FPL 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	$36,170
Number of months	12.00
Total Site Mangement Expenses	$434,035

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 for the intake is $32,242 the cost for the discharge is $25,559. Putnam has 1 Intake and no Discharge. Total back-fill costs are as computed as follows:

	Cost/Struct	Quantity	Totals
Intake	$32,242	1	$32,242
Discharge	$25,559	0	$0
			$32,242

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 is $46,118 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.

Putnam Acreage to be graded and seeded	36.10
Cost Factor	$46,118
Total Grading and Seeding Expense	$1,664,857

PUTNAM DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
PUTNAM COMMON										
FERC Account 341										
Structures & Improvements										
Concrete Pavement	CY	1	4,475 00	4,475 00	22 56	100,956	112 00	501,200	0 00	0
Fire Water Piping	TN	1	92 00	92 00	189 20	17,406	0 00	0	40 00	3,680
Fire Water Tank (100,000 gl)	TN	1	32 43	32 43	189 20	6,136	0 00	0	40 00	1,297
Fire Water Pumps	TN	1	2 00	2 00	189 20	378	0 00	0	40 00	80
Highway Crossing	CY	1	1,774 00	1,774 00	56 40	100,054	112 00	198,688	0 00	0
Barge Unloading Facility - Concrete	CY	1	725 00	725 00	56 40	40,890	112 00	81,200	0 00	0
Barge Unloading Facility - Steel	TN	1	12 70	12 70	141 90	1,802	0 00	0	40 00	508
HVAC Ventilating Fan	TN	1	1 00	1 00	189 20	189	0 00	0	40 00	40
Concrete Enclosure	CY	1	50 00	50 00	22 56	1,128	112 00	5,600	0 00	0
Subtotal						268,939		786,688		5,605
Circulating and Service Water System										
Water Pre-treatment Equipment Foundation	CY	1	17 30	17 30	56 40	976	112 00	1,938	0 00	0
Water Pre-treatment Equipment	TN	1	20 00	20 00	189 20	3,784	0 00	0	40 00	800
Water Storage Tank	TN	1	32 43	32 43	189 20	6,136	0 00	0	40 00	1,297
Intake Structure - Concrete	CY	1	310 00	310 00	56 40	17,484	112 00	34,720	0 00	0
Traveling Water Screens	TN	1	14 00	14 00	189 20	2,649	0 00	0	40 00	560
Screen Wash Pumps	TN	2	2 00	4 00	189 20	757	0 00	0	40 00	160
Station Bridge Crane	TN	1	75 00	75 00	141 90	10,643	0 00	0	40 00	3,000
Station Bridge Crane - Structural Steel	TN	1	227 00	227 00	141 90	32,211	0 00	0	40 00	9,080
Cooling Tower	CY	1	1,746 84	1,746 84	56 40	98,522	112 00	195,646	0 00	0
Structural Steel	TN	1	12 00	12 00	141 90	1,703	0 00	0	40 00	480
Chlorination System	TN	2	6 00	12 00	189 20	2,270	0 00	0	40 00	480
Potable Water Piping	TN	1	17 86	17 86	189 20	3,379	0 00	0	40 00	714
Potable Water Equipment	TN	1	9 25	9 25	189 20	1,750	0 00	0	40 00	370
Demineralizer Pumps	TN	4	1 00	4 00	189 20	757	0 00	0	40 00	160
Waste Water Piping	TN	1	120 87	120 87	189 20	22,869	0 00	0	40 00	4,835
Waste Water Piping Supports	TN	1	9 70	9 70	189 20	1,835	0 00	0	40 00	388
Waste Water Foundations	CY	1	255 00	255 00	56 40	14,382	112 00	28,560	0 00	0
Waste Water Pumps	TN	20	0 25	5 00	189 20	946	0 00	0	40 00	200
Oily Water Separator Tanks (2,500 gl & 125,(	TN	1	43 43	43 43	189 20	8,217	0 00	0	40 00	1,737
Subtotal						231,269		260,864		24,262
Fuel Oil Processing										
Concrete Foundations	CY	1	49 80	49 80	56 40	2,809	112 00	5,578	0 00	0
Steel Supports	TN	1	128 90	128 90	189 20	24,388	0 00	0	40 00	5,156
Subtotal						27,197		5,578		5,156
Total Account 341						527,405		1,053,129		35,023
FERC Account 342										
Fuel Holders										
Fuel Oil Equipment										
Fuel Oil Storage Tank - 125,000 bbl	TN	4	421 48	1,685 92	n/a	114,248	n/a	0	40 00	67,437
Fuel Oil Storage Tank - 25,000 bbl	TN	1	103 77	103 77	n/a	28,562	n/a	28,562	40 00	4,151
Fuel Oil Storage Tank - 100,000 bbl	TN	1	337 18	337 18	n/a	0	n/a	0	40.00	13,487
Cleaning Fuel Oil Storage Tanks					n/a	0	n/a	0	0 00	0

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
Remove Sand Base - Fuel Oil Storage Tanks					n/a	0	n/a	118,225	0 00	0
Concrete	CY	1	519 90	519 90	56 40	29,322	112 00	58,229	0 00	0
Jib Crane	TN	1	3 00	3 00	141 90	426	0 00	0	40 00	120
Fuel Oil Piping	TN	1	148 90	148 90	189 20	28,172	0 00	0	40 00	5,956
Insulation for Fuel Oil Piping (15,447 lf)	CY	1	411 92	411 92	43 00	17,713	12 00	4,943	0 00	0
Fuel Oil Pump	TN	1	1 25	1 25	189 20	237	0 00	0	40.00	50
Fuel Transfer Pumps	TN	2	1 25	2 50	189 20	473	0 00	0	40 00	100
Fuel Treatment Equipment	TN	1	137 50	137 50	189 20	26,015	0 00	0	40 00	5,500
Fire Foam Protection System Piping	TN	1	31 77	31 77	189 20	6,011	0 00	0	40 00	1,271
Pipe Supports	TN	1	27 70	27 70	189 20	5,241	0 00	0	40 00	1,108
Heat Exchangers	TN	4	0 77	3 08	189 20	583	0 00	0	40 00	123
Vanadium Tank (90,000 gl)	TN	1	29 10	29 10	189 20	5,506	0 00	0	40 00	1,164
Subtotal						262,507		209,959		100,467
Boiler Equipment										
Auxiliary Steam Boiler Equipment	TN	1	80 00	80 00	141 90	11,352	0 00	0	40 00	3,200
Subtotal						11,352		0		3,200
Miscellaneous Steel & Equipment	TN	1	138 90	138 90	305 30	42,406	0 00	0	40 00	5,556
Total Account 342						316,265		209,959		109,223
FERC Account 343										
Prime Movers										
Cooling Water Pumps	TN	2	2 00	4 00	189 20	757	0 00	0	40 00	160
Feedwater Treatment Equipment Foundation	CY	1	112 00	112 00	56 40	6,317	112 00	12,544	0 00	0
Brine System	TN	1	2 00	2 00	189 20	378	0 00	0	40 00	80
Chemical Feed System	TN	1	5 00	5 00	189 20	946	0 00	0	40 00	200
Raw Water Pumps	TN	3	4 00	12 00	189 20	2,270	0 00	0	40 00	480
Piping	TN	1	331 38	331 38	189 20	62,697	0 00	0	40 00	13,255
Pipe Supports	TN	1	20 50	20 50	189 20	3,879	0 00	0	40 00	820
Pipe Insulation (6,088 lf)	CY	1	103 72	103 72	43 00	4,460	12 00	1,245	0 00	0
Fan Blower	TN	1	1 00	1 00	189 20	189	0 00	0	40 00	40
Subtotal						81,893		13,789		15,035
Miscellaneous Steel & Equipment	TN	1	18 74	18 74	305 30	5,721	0 00	0	40 00	750
Total Account 343						87,615		13,789		15,785
FERC Account 345										
Accessory Electrical Equipment										
Foundations & Structures										
Manholes	CY	1	272 20	272 20	56 40	15,352	112 00	30,486	0 00	0
Steel Structures & Supports	TN	1	36 90	36 90	141 90	5,236	0 00	0	40 00	1,476
Equipment Foundations - Concrete	CY	1	240.00	240 00	56 40	13,536	112 00	26,880	0 00	0
Subtotal						34,124		57,366		1,476
Power and Conversion Equipment										
Main Power Transformer	TN	4	116 50	932 00	305 30	284,540	0 00	0	40 00	37,280
Auxiliary Power Transformer	TN	2	19 00	76 00	305 30	23,203	0 00	0	40 00	3,040

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
Heat Recovery Steam Generator Transforme	TN	4	4 00	32 00	305 30	9,770	0 00	0	40 00	1,280
Motor Control Center Transformers	TN	16	2 00	64 00	305 30	19,539	0 00	0	40 00	2,560
Transformer Copper	TN	10	2 00	41 60	318 20	13,237	0 00	0	1,000 00	41,600
Storage Battery Systems	TN	3	3 75	11 25	305 30	3,435	0 00	0	40 00	450
Emergency Diesel Generator	TN	1	8 00	8 00	305 30	2,442	0 00	0	40 00	320
Subtotal						356,165		0		86,530
Conduit, Insulators and Conductors										
Underground Conduit	TN	1	15 40	15 40	305 30	4,702	0 00	0	40 00	616
Concrete	CY	1	103 00	103 00	56 40	5,809	112 00	11,536	0 00	0
Control Wiring	TN	1	110 41	110 41	516 00	56,972	0 00	0	700.00	77,287
Power Wiring	TN	1	45 75	45 75	516 00	23,607	0 00	0	700 00	32,025
Exposed Conduit	TN	1	38 10	38 10	305 30	11,632	0 00	0	40 00	1,524
Cable Trays	TN	1	18 17	18 17	305 30	5,547	0 00	0	40 00	727
Lighting Cable	TN	1	2 96	2 96	516 00	1,527	0 00	0	700 00	2,072
Miscellaneous Cable	TN	1	7 00	7 00	516 00	3,612	0 00	0	700 00	4,900
Subtotal						113,408		11,536		119,151
Switching, Control and Protection Equipment										
Switchgear - 4,160v Metalclad	TN	1	40 00	40 00	305 30	12,212	0 00	0	40 00	1,600
Disconnect Switches	TN	11	2 35	25 85	305 30	7,892	0 00	0	40 00	1,034
Lightning and Surge Protection	TN	6	0 25	1 50	305 30	458	0 00	0	40 00	60
Station Grounding System	TN	1	10 68	10 68	305 30	3,261	0 00	0	40 00	427
Potential Transformers	TN	12	0 60	7 20	305 30	2,198	0 00	0	40 00	288
Subtotal						26,021		0		3,409
Total Account 345						529,718		68,902		210,566
FERC Account 346										
Miscellaneous Power Plant Equipment										
Compressed Air System	TN	1	33 50	33 50	189 20	6,338	0 00	0	40 00	1,340
Total Account 346						6,338		0		1,340
TOTAL PUTNAM COMMON						1,467,341		1,345,779		371,936
PUTNAM UNITS 1 & 2										
FERC Account 341										
Other Buildings										
Concrete	CY	1	442 80	442 80	56 40	24,974	112 00	49,594	0 00	0
Structural Steel	TN	1	6 10	6 10	141 90	866	0 00	0	40 00	244
Steam Turbine Enclosure	TN	1	33 00	66 00	189 20	12,487	0 00	0	40 00	2,640
Steam Turbine Enclosure - Mechanical Skid	TN	1	13 17	26 34	141 90	3,738	0 00	0	40 00	1,054
Steam Turbine Enclosure - General Auxiliary	TN	1	11 54	23 08	141 90	3,275	0 00	0	40 00	923
Gas Turbine Enclosure	TN	2	39 00	156 00	189 20	29,515	0.00	0	40 00	6,240
Gas Turbine Enclosure - Mechanical Skid	TN	2	11 03	44.12	141 90	6,261	0 00	0	40 00	1,765
Gas Turbine Enclosure - General Auxiliary Sk	TN	2	11 54	46 16	141 90	6,550	0 00	0	40 00	1,846
Heat Recovery Steam Generator Enclosure	TN	2	33 00	132 00	189 20	24,974	0.00	0	40 00	5,280
HRSG Enclosure - Auxiliary Skid	TN	2	13.97	55 88	141 90	7,929	0 00	0	40.00	2,235

PUTNAM DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Enclosure Foundations	CY	1	3,240 00	3,240 00	56 40	182,736	112 00	362,880	0 00	0
Subtotal						303,305		412,474		22,227
Total Account 341						303,305		412,474		22,227
FERC Account 343										
Prime Movers										
Gas Turbine	TN	2	131 00	524 00	107 50	56,330	0 00	0	40 00	20,960
Gas Turbine - Starting Package	TN	2	16 00	64 00	141 90	9,082	0 00	0	40 00	2,560
Heat Recovery Steam Generator	TN	2	735 00	2,940 00	107 50	316,050	0 00	0	40 00	117,600
Heat Recovery Steam Generator - Aux Pack	TN	2	40 25	161 00	141 90	22 846	0 00	0	40 00	6,440
High Pressure Steam Drum	TN	2	24 00	96 00	141 90	13,622	0 00	0	40 00	3,840
Boiler Blowdown Tank	TN	2	1 10	4 40	189 20	832	0 00	0	40 00	176
Boiler Feed Pumps (including motors)	TN	2	7 53	30 12	189 20	5,699	0 00	0	40 00	1,205
Concrete	CY	1	100 90	100 90	56 40	5,691	112 00	11,301	0 00	0
Condensate Storage Tank - 150,000 gl	TN	1	41 25	82 50	189 20	15,609	0 00	0	40 00	3,300
Condensate Storage Tank Foundation	CY	1	105 00	210 00	56 40	11,844	112 00	23,520	0 00	0
Condensate Pumps and Motors	TN	2	3 49	13 96	189 20	2,641	0 00	0	40 00	558
Condensate Pump Foundations	CY	2	6 00	24 00	56 40	1,354	112 00	2,688	0 00	0
Stacks	TN	4	3 43	27 44	189 20	5,192	0 00	0	40 00	1,098
Subtotal						466,791		37,509		157,737
Miscellaneous Steel & Equipment	TN	1	92 57	92 57	305 30	28,262	0 00	0	40 00	3,703
Total Account 343						495,053		37,509		161,440
FERC Account 344										
Generator Units										
Steam Turbine Generator Unit	TN	1	302 00	604 00	107 50	64,930	0 00	0	40 00	24,160
Steam Turbine Generator Unit - Mech Aux F	TN	1	45 25	90 50	141 90	12,842	0 00	0	40 00	3,620
Turbine Copper	TN	1	35 00	70 00	421 40	29,498	0 00	0	1,000 00	70,000
Gas Turbine Generator	TN	2	155 50	622 00	107 50	66,865	0 00	0	40 00	24,880
Gas Turbine Generator - Mech Aux Package	TN	2	50 07	200 28	141 90	28,420	0 00	0	40 00	8,011
Heat Exchangers	TN	2	6 00	24 00	189 20	4,541	0 00	0	40 00	960
Stack	TN	4	9 80	78 40	189 20	14,833	0 00	0	40 00	3,136
Piping	TN	1	8 42	8 42	189 20	1,593	0 00	0	40 00	337
Pipe Racks and Supports	TN	1	72 30	72 30	189 20	13,679	0 00	0	40 00	2,892
Subtotal						237,201		0		137,996
Condensers and Auxiliaries										
Condenser Enclosure	TN	1	26 78	53 56	189 20	10,134	0 00	0	40 00	2,142
Main Condenser	TN	1	122 73	245 46	141 90	34,831	0 00	0	40 00	9 818
Condenser - Aluminum-Brass Tubes	TN	1	71 27	142 54	305 30	43,517	0 00	0	700 00	99,778
Auxiliary Circulating Water Pumps	TN	3	3 36	10 08	189 20	1,907	0 00	0	40 00	403
Circulating Water Pumps	TN	2	14 45	57 80	189 20	10,936	0 00	0	40 00	2,312
Condensate Pumps	TN	1	3.13	6.26	189 20	1,184	0 00	0	40.00	250
Piping (4,157 lf)	TN	1	21 57	21 57	189 20	4,081	0 00	0	40 00	863
Air Ejectors	TN	2	1 23	4 92	189 20	931	0 00	0	40 00	197
Hogging and Priming Ejectors	TN	1	1 23	2 46	189 20	465	0 00	0	40 00	98
Subtotal						107,986		0		115,862

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
Miscellaneous Steel & Equipment	TN	1	66 12	66.12	305 30	20,186	0.00	0	40 00	2,645
Total Account 344						365,374		0		256,503
TOTAL PUTNAM UNITS 1 & 2						1,163,732		449,982		440,170
TOTAL PUTNAM COMMON, UNITS 1 & 2						2,631,073		1,795,762		812,106

RIVIERA PLANT

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Riviera Plant

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

Unit	Year
Unit 3	2007
Unit 4	2008
Common	2008

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. 981166-EI, Order No. PSC-00-0293-PAA-EI, issued on February 14, 2000. The current accruals became effective as of January 1, 1999.

RIVIERA
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Production Plant				
	Riviera Common				
311	Structures and Improvements	695,552	2,440,001	106,171	3,029,382
312	Boiler Plant Equipment	5,712	11,417	1,611	15,518
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	10,916	0	16,390	(5,474)
316	Miscellaneous Equipment	1,154	0	244	910
	Subtotal	713,334	2,451,418	124,416	3,040,336
	Other Site Costs:				
	Site Management Expense	434,035			434,035
	Intake & Discharge Backfill	90,043			90,043
	Grading & Seeding	1,125,277			1,125,277
	Subtotal	1,649,355	0	0	1,649,355
	Total	2,362,690	2,451,418	124,416	4,689,691
	Contingency - 16%	378,030	392,227		770,257
	Total Riviera Common	2,740,720	2,843,645	124,416	5,459,949
	Unusable M&S Inventory	924,283		92,428	831,855
		3,665,003	2,843,645	216,844	6,291,804
	Riviera Units 3 & 4				
311	Structures and Improvements	1,394,256	1,333,085	30,602	2,696,738
312	Boiler Plant Equipment	4,015,211	344,310	463,950	3,895,572
314	Turbogenerator Units	2,567,984	325,353	488,217	2,405,119
315	Accessory Electrical Equipment	232,374	109,940	216,648	125,665
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	8,209,826	2,112,687	1,199,418	9,123,095
	Contingency - 16%	1,313,572	338,030		1,651,602
	Total Rivera Units 3 & 4	9,523,398	2,450,717	1,199,418	10,774,697
	Total Dismantlement Costs	13,188,401	5,294,362	1,416,262	17,066,501
	Riviera Unit 2				
311	Structures and Improvements	313,405	318,331	8,863	622,872
312	Boiler Plant Equipment	31,216	26,439	3,369	54,287
314	Turbogenerator Units	774,294	80,947	153,917	701,323
315	Accessory Electrical Equipment	71,657	33,096	59,818	44,935
316	Miscellaneous Equipment	0	0	0	0
353	Substation Equipment	0	0	0	0
	Subtotal	1,190,572	458,813	225,967	1,423,418
	Contingency - 16%	190,491	73,410		263,902
	Total Riviera Unit 2	1,381,063	532,223	225,967	1,687,319

RIVIERA
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Riviera Common	1,644,432	2,020,571	2,843,645	216,844	6,291,804
Riviera Units 3 & 4	5,714,039	3,809,359	2,450,717	1,199,418	10,774,697
Total	7,358,471	5,829,930	5,294,362	1,416,262	17,066,501
Riviera Unit 2	828,638	552,425	532,223	225,967	1,687,319

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 PGD. 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.

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 plant 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 Riviera plant depreciation study submitted in 2002 (on an information only basis), using plant and reserve data as of December 31, 2001.

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. Substantial amounts of asbestos remain and can be expected to require abatement at final dismantlement. FPL's PGD has estimated the cost of asbestos removal at $1,353 per cubic yard. This estimate is based on FPL's experience with asbestos abatement at the Cape Canaveral and Palatka sites. The disposal cost per cubic yard varies from site to site depending on the landfill used.

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 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 were developed by FPL's Power Generation Division (PGD). The crew rate per man-hour is for a crew consisting of six journeymen laborers, one laborer foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a Trojan 3500Z front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. The productivity factor employed, i.e., 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 for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$25.65	X	6	=	$153.92
Foreman	$32.96	X	1	=	32.96
Heavy Equipment Operator	$30.72	X	1	=	30.72
Total Cost per hour of 8 man crew					$217.60
Cost per man hour		$217.60	/	8 =	$27.20

Equipment Rate

The equipment rate is based on the following equipment:

Excavator				15,961.61
Front End Loader				5,471.12
Cutting Equipment				208.12
Total per month				$21,640.85
21,640.85	/	176	hours per month =	122.96
Cost per man hour		$122.96	/ 8 =	$15.37
Plus: amount for small tools				0.80
Total Cost per man hour				$16.17

Equipment & Labor Summary

Labor	$27.20
Equipment	16.17
Total	$43.37
Rounded	$43.00
For Concrete demolition add $4.00 per hour additionsl equipment charge.	$47.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$43.00	2.50 MH / Ton	$107.50 / Ton
Heavy Steel (2)	$43.00	3.30 MH / Ton	$141.90 / Ton
General Steel	$43.00	4.40 MH / Ton	$189.20 / Ton
Light Steel	$43.00	7.10 MH / Ton	$305.30 / Ton
Concrete	$47.00	0.48 MH / CY	$22.56 / CY
Reinforced Concrete	$47.00	1.20 MH / CY	$56.40 / CY
Copper-Elect. Cable & Generator Leads &	$43.00	12.00 MH / Ton	$516.00 / Ton
Copper - Generator	$43.00	9.80 MH / Ton	$421.40 / Ton
Copper - Transformer	$43.00	7.40 MH / Ton	$318.20 / Ton
General Insulation	$43.00	1.00 MH / CY	$43.00 / CY
Inground Pipe-Metal(3)	$43.00	6.00 MH / Ton	$258.00 / Ton
Concrete Pipe	$47.00	4.60 MH / Ton	$216.20 / 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 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 $37/ton was obtained from the Palm Beach County Landfill. The dumpster charges, obtained from Atlantic Roll-Off Services, are $250 per haul for a 20 cubic yard dumpster and $350 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 Charge	$250.00	/haul	X	1 haul	=	250.00
Tipping Fees	$37.00	/ ton	X	30.5 tons	=	1,128.50
Total Cost per round Trip						1,378.50
Cost per Cubic Yard	$1,378.50	/ 15.38 cubic yards =				$89.63
Plus 10% contractor profit						8.96
Total Cost per Cubic Yard						$98.59
Rounded Cost per Cubic Yard						$99.00

Insulation

A trailer with a 30 cubic yard capacity is used for insulation because of its lighter weight. For purposes of this computation the dumpster is assumed to be 90% full (although the tipping fee is based on the assumption of 100% full truck - i.e., the weight to volume conversion uses 30 cubic yards - the full volume of the dumpster). A cubic yard of insulation weighs 121.5 pounds or .060750 tons. 30 cubic yards times .060750 tons/cubic yard = 1.82 tons. The tipping fee for asbestos insulation is $150 per ton.

Calcium Silicate Insulation

Dumpster Charge	$350.00	/haul	X	1 haul		$350.00
Tipping Fees	$37.00	/ ton	X	1.82 tons	=	67.34
Total Cost per round Trip						$417.34
Cost per Cubic Yard	$417.34	/ 27 cubic yards =				$15.46
Plus 10% contractor profit						1.55
Total Cost per Cubic Yard						$17.00
Rounded Cost per Cubic Yard						$17.00

Insulation -Asbestos

Dumpster Charge	$350.00	/haul	X	1 haul		$350.00
Tipping Fees	$150.00	/ ton	X	1.82 tons	=	273.00
Total Cost per round Trip						$623.00
Cost per Cubic Yard	$623.00	/ 27 cubic yards =				$23.07
Plus 10% contractor profit						2.31
Total Cost per Cubic Yard						$25.38
Rounded Cost per Cubic Yard						$25.00

SALVAGE VALUE FACTORS

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

Iron & Steel	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable:	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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 $15,996.54 per month both office and site, and contractor's expenses of $20,173.03 per month. These expenses are to be incurred over 12 month dismantlement period assumed for the Riviera 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	$36,170
Number of months	12.00
Total Site Mangement Expenses	$434,035

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 for the intake is $32,242 the cost for the discharge is $25,559. Riviera has 2 Intakes and 1 Discharge, requiring a total back-fill cost as follows:

	Cost/Unit	Quantity	Totals
Intakes	$32,242	2	$64,484
Discharges:	$25,559	1	$25,559
Total Cost:			$90,043

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 is $46,118 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.

Riviera Acreage to be graded and seeded	24.4
Cost Factor	$46,118
Total Grading and Seeding Expense	$1,125,277

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
RIVIERA COMMON										
FERC Account 311										
Improvements to Site										
Concrete - Roads	CY	1	1,030 58	1,030 58	22 56	23,250	99.00	102,027	0 00	0
Concrete - Yard Paving	CY	1	494 67	494 67	22 56	11,160	99 00	48,972	0 00	0
Potable & Sanit Water Lines-Cast Iron	TN	1	18.93	18 93	258 00	4,884	0 00	0	40 00	757
Fire Protection System	TN	1	2 88	2 88	305 30	879	0 00	0	40 00	115
Sewer System - Cast Iron	TN	1	1 69	1 69	258 00	436	0 00	0	40 00	68
Sewer System - Concrete	TN	1	191 72	191 72	216 20	41,450	0 00	0	0 00	0
Manholes & Catch Basins	CY	1	38 31	38.31	56 40	2,161	99 00	3,793	0 00	0
Subtotal						84,219		154,792		940
Condensing and Service Water System										
Water Treatment Equipment	TN	1	45 00	45 00	189 20	8,514	0 00	0	40 00	1,800
Water Treatment Area Slab	CY	1	271 00	271 00	56 40	15,284	99 00	26,829	0 00	0
Elevated Water Tank - 75,000 gl	TN	1	128 61	128 61	189 20	24,333	0 00	0	40 00	5,144
Service Water Supply Sys - Cast Iron	TN	1	85 08	85 08	258 00	21,951	0 00	0	40 00	3,403
Disch Piping-90" Concrete Pipe(200 ft)	TN	1	274 00	274 00	216 20	59,239	0 00	0	0 00	0
Subtotal						129,321		26,829		10,348
Station Structures										
Administration Bldg - Struct Steel	TN	1	380.00	380 00	141 90	53,922	0 00	0	40 00	15,200
Administration Building - Concrete	CY	1	3,676 00	3,676 00	56 40	207,326	99 00	363,924	0 00	0
Station Crane	TN	1	96 75	96 75	141 90	13,729	0 00	0	40 00	3,870
Elevator	TN	1	37 60	37 60	141 90	5,335	0 00	0	40 00	1,504
Subtotal						280,313		363,924		20,574
Fuel & Ash Structures										
Fuel Oil Storage Tank - 268,000 bbl	TN	1	925 00	925 00	n/a	42,843	0 00	0	40 00	37,000
Fuel Oil Storage Tank - 150,000 bbl	TN	1	424 89	424 89	n/a	28,562	0 00	0	40 00	16,996
Fuel Oil Storage Tank - 55,000 bbl	TN	2	230 00	460 00	n/a	57,124	0 00	0	40 00	18,400
Fuel Oil Storage Tank - 110,000 bbl-Fnd	CY	1	400 00	400 00	n/a	n/a	n/a	21,658	0 00	0
Cleaning Fuel Oil Storage Tanks	BL	1			n/a	n/a	n/a	448,330	0 00	0
Sand Base-Fuel Oil Storage Tanks	CY	1			n/a	n/a	n/a	1,309,182	0 00	0
Pump Slab & Foundations	CY	1	165 50	165 50	56 40	9,334	99 00	16,385	0 00	0
Fuel Oil Suction Heaters	TN	3	2 35	7 05	189 20	1,334	0 00	0	40 00	282
Chemical Storage Tanks	TN	1	7 80	7 80	189 20	1,476	0 00	0	40 00	312
Subtotal						140,673		1,795,555		72,990
Other Buildings										
Concrete	CY	1	999 00	999 00	56 40	56,344	99 00	98,901	0 00	0
Structural Steel	TN	1	33 00	33 00	141 90	4,683	0 00	0	40 00	1,320
Subtotal						61,026		98,901		1,320
Total Account 311						695,552		2,440,001		106,171
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	40 00	1,120

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
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	5,712	n/a	0	40 00	491
Light Oil Foundation	CY	1	95 00	95 00	n/a	0	n/a	6,299	0 00	0
Cleaning of Light Oil Tank	BL	1	1 00	1 00	n/a	0	n/a	5,118	0 00	0
Total Account 312						5,712		11,417		1,611
FERC Account 315										
Accessory Electrical Equipment										
Power and Conversion Equipment										
Startup Transformer	TN	1	37 25	37 25	141 90	5,286	0 00	0	40 00	1,490
Transformer Copper	TN	1	14 90	14 90	318 20	4,741	0 00	0	1,000 00	14,900
Storage Battery Equipment	TN	1	4 70	4.70	189 20	889	0 00	0	0 00	0
Total Account 315						10,916		0		16,390
FERC Account 316										
Miscellaneous Power Plant Equipment										
Compressed Air System	TN	1	6 10	6 10	189 20	1,154	0 00	0	40 00	244
Total Account 316						1,154		0		244
TOTAL RIVIERA COMMON						713,334		2,451,418		124,416
RIVIERA UNITS 3 & 4										
FERC Account 311										
Condensing and Service Water System										
Intake Cooling Water Pumps	TN	2	1 15	4 60	189 20	870	0 00	0	40 00	184
Intake Structure - Concrete	CY	1	918 00	1,836 00	56 40	103,550	99 00	181,764	0 00	0
Intake Structure - Steel	TN	1	18 00	36 00	141 90	5,108	0 00	0	40 00	1,440
Traveling Water Screens	TN	2	13 28	53 12	141 90	7,538	0 00	0	40 00	2,125
Trash Rake	TN	1	0 55	1 10	305 30	336	0 00	0	40.00	44
Screen Wash Pumps	TN	1	0 52	1 04	305 30	318	0 00	0	40 00	42
Intake Conduit - 60" Concrete Pipe	CY	1	394 33	788 66	216 20	170,508	0 00	0	0 00	0
Concrete	CY	1	801 00	1,602 00	56 40	90,353	99 00	158,598	0 00	0
Discharge Conduit - 90" Concrete Pipe	CY	1	1,170 66	2,341 32	216 20	506,193	0 00	0	0 00	0
Concrete	CY	1	1,494 00	2,988 00	56 40	168,523	99 00	295,812	0 00	0
Seal Well Concrete Structure	CY	1	210 00	420 00	56 40	23,688	99 00	41,580	0 00	0
Subtotal						1,076,986		677,754		3,834
Station Structures										
Concrete Pedestal Mat	CY	1	703 50	1,407 00	56 40	79,355	99 00	139,293	0 00	0
Structural Steel	TN	1	289 00	578 00	141 90	82,018	0 00	0	40 00	23,120
Miscellaneous Steel & Handrails	TN	1	39 50	79 00	189 20	14,947	0 00	0	40 00	3,160
Floors - Concrete	CY	1	1,175 25	2,350 50	22 56	53,027	99 00	232,700	0 00	0
Footings, Piers & Grade Beams	CY	1	1,120 00	2,240 00	22 56	50,534	99 00	221,760	0 00	0
Concrete Floodwall	CY	1	311 00	622.00	56 40	35,081	99 00	61,578	0 00	0
Misc. Cranes & Hoists	TN	1	6 10	12.20	189.20	2,308	0 00	0	40 00	488
Subtotal						317,271		655,331		26,768
Total Account 311						1,394,256		1,333,085		30,602

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Burner Pumps	TN	6	0 83	9.96	305 30	3,041	0 00	0	40.00	398
Fuel Oil Piping	TN	1	20 56	41 12	189 20	7,780	0 00	0	40 00	1,645
Forced Draft Fan Foundations	CY	1	138 75	277 50	56.40	15,651	99 00	27,473	0 00	0
Forced Draft Fans	TN	2	26 80	107 20	189 20	20,282	0 00	0	40.00	4,288
Forced Draft Fan Air Ducts	TN	1	40.00	80 00	189 20	15,136	0 00	0	40 00	3,200
Insulation for FD Fan Air Ducts	CY	1	8 00	16 00	43 00	688	17 00	272	0 00	0
Insulation for FD Fan Air Ducts	CY	1	48 27	95 00	1,353 00	128,535	25 00	2,375	0 00	0
Subtotal						191,113		30,120		9,531
Boiler Equipment										
Boiler Frame	TN	1	950 00	1,900 00	141 90	269,610	0 00	0	40 00	76,000
Platforms, Grating & Handrails	TN	1	410 50	821 00	189 20	155,333	0 00	0	40 00	32,840
Boiler - including	TN	1	3,188 18	6,376 36	141 90	904,805	0 00	0	40 00	255,054
Drum, Waterwall, Downcomers & Tubes										
Piping, Valves & Silencers										
Radiant & Convection Superheaters										
Reheater, Economizer & Sootblowers										
Air Preheaters										
Boiler Insulation	CY	1	350 00	700 00	1,353 00	947,100	25 00	17,500	0 00	0
Boiler Insulation	CY	1	40.00	80 00	43 00	3,440	17 00	1,360	0 00	0
Instrument Air Compressors	TN	1	2 00	4 00	189 20	757	0 00	0	40 00	160
Subtotal						2,281,045		18,860		364,054
Boiler Plant Auxiliaries										
Feedwater Heater #1	TN	1	51 20	102 40	189 20	19,374	0 00	0	40.00	4,096
Feedwater Heater #2	TN	1	32 85	65 70	189 20	12,430	0 00	0	40 00	2,628
Feedwater Heater #3	TN	1	10 85	21 70	189 20	4,106	0 00	0	40 00	868
Feedwater Heater #4	TN	1	12.70	25 40	189 20	4,806	0 00	0	40 00	1,016
Feedwater Heater #5	TN	1	13 05	26 10	189 20	4,938	0 00	0	40 00	1,044
Feedwater Heater #6	TN	1	12 80	25 60	189 20	4,844	0 00	0	40 00	1,024
Deaerator	TN	1	73 78	147 56	141 90	20,939	0 00	0	40 00	5,902
Boiler Feed Pumps (including motors)	TN	3	36 50	219 00	141 90	31,076	0 00	0	40 00	8,760
Concrete	CY	1	84 50	169 00	22 56	3,813	99 00	16,731	0 00	0
Condensate Storage Tank - 100,000 gl	TN	1	18 50	37 00	141 90	5,250	0 00	0	40 00	1,480
Condensate Storage Tank Foundation	CY	1	44 00	88 00	56 40	4,963	99 00	8,712	0 00	0
Heater Drain Pump	TN	1	0 83	1 66	305 30	507	0 00	0	40 00	66
Condensate Recovery Tank - 2,600 gl	TN	1	5 60	11 20	189 20	2,119	0 00	0	40 00	448
Chemical Feed System	TN	1	5 00	10 00	189 20	1,892	0.00	0	40 00	400
Cooling Water Pump	TN	2	1 15	4 60	189 20	870	0 00	0	40 00	184
Cooling Water Heat Exchanger	TN	3	7 35	44 10	189 20	8,344	0 00	0	40 00	1,764
Cooling Water Surge Tank - 4,500 gl	TN	1	1 79	3 58	189 20	677	0 00	0	40 00	143
Subtotal						130,948		25,443		29,824
Boiler Plant Piping										
Piping, Valves and Fittings	TN	1	350 00	700 00	189 20	132,440	0 00	0	40 00	28,000
Pipe Insulation	CY	1	50 00	100 00	43 00	4,300	17 00	1,700	0 00	0
Pipe Insulation	CY	1	350 00	700 00	1,353 00	947,100	25 00	17,500	0.00	0
Subtotal						1,083,840		19,200		28,000

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Induced Draft Equipment										
Stacks	CY	1	663 00	1,326.00	56 40	74,786	99 00	131,274	0 00	0
Breeching	TN	1	70 00	140 00	189.20	26,488	0 00	0	40.00	5,600
Stack Foundation	CY	1	573 50	1,147 00	56 40	64,691	99 00	113,553	0 00	0
Ducts & Dust Collectors	TN	1	135 65	271 30	189 20	51,330	0 00	0	40 00	10,852
Induced Draft Fans	TN	2	23 20	92.80	141.90	13,168	0.00	0	40 00	3,712
Fan Foundations	CY	2	14 80	59 20	56 40	3,339	99.00	5,861	0 00	0
Subtotal						233,802		250,688		20,164
Miscellaneous Steel & Equipment	TN	1	309 41	309 41	305 30	94,463	0 00	0	40 00	12,376
Total Account 312						4,015,211		344,310		463,950
FERC Account 314										
Turbo-Generator Units										
Pedestal Concrete	CY	1	1,413 50	2,827 00	56 40	159,443	99 00	279,873	0 00	0
Inserts & Anchor Bolts	TN	1	9 01	18 02	305 30	5,502	0 00	0	40 00	721
Turbo-Generator Unit	TN	1	852 00	1,704 00	107 50	183,180	0 00	0	40 00	68,160
Turbine Copper	TN	1	75 00	150 00	421 40	63,210	0 00	0	1,000 00	150,000
Turbine Piping	TN	1	220 00	440 00	189 20	83,248	0 00	0	40 00	17,600
Turbine Insulation	CY	1	50 00	100 00	43 00	4,300	17 00	1,700	0 00	0
Turbine Insulation	CY	1	650 00	1,300 00	1,353 00	1,758,900	25 00	32,500	0 00	0
Subtotal						2,257,782		314,073		236,481
Condensers and Auxiliaries										
Condenser Shell	TN	1	425 00	850 00	141 90	120,615	0 00	0	40 00	34,000
Condenser - Aluminum-Brass Tubes	TN	1	141 50	283.00	305.30	86,400	0.00	0	700 00	198,100
Circulating Water Pumps	TN	2	58 40	233 60	141.90	33,148	0 00	0	40 00	9,344
Butterfly Valves	TN	4	6.40	51 20	189 20	9,687	0 00	0	40 00	2,048
Condensate Pumps	TN	2	6 50	26 00	189 20	4,919	0 00	0	40 00	1,040
Concrete	CY	1	6 50	13 00	22 56	293	99 00	1,287	0 00	0
Lube Oil Purif Sys-6,500 gl Tank	TN	1	6.99	13 98	n/a	5,000	0 00	0	40 00	559
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	189.20	946	0 00	0	40 00	200
Subtotal						261,008		11,280		245,291
Miscellaneous Steel & Equipment	TN	1	161 13	161 13	305 30	49,193	0 00	0	40 00	6,445
Total Account 314						2,567,984		325,353		488,217
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Steel Structures & Supports	TN	1	2.00	4 00	189 20	757	0.00	0	40.00	160
Equipment Foundations - Concrete	CY	1	94.00	188 00	56 40	10,603	99.00	18,612	0 00	0
Switchgear Foundations - Concrete	CY	1	109 00	218 00	56.40	12,295	99 00	21,582	0.00	0
Manholes and Handholes	CY	1	27 50	55 00	56 40	3,102	99 00	5,445	0 00	0
Subtotal						26,757		45,639		160

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Power and Conversion Equipment										
Aux Power Transformer	TN	1	37 25	74 50	141 90	10,572	0 00	0	40 00	2,980
Transformer Copper	TN	1	16 72	16 72	318 20	5,322	0 00	0	1,000 00	16,724
Station Service Transformers	TN	2	4 35	17 40	189 20	3,292	0 00	0	40 00	696
Lighting Transformers	TN	8	0 21	3 36	305 30	1,026	0 00	0	40 00	134
Subtotal						20,211		0		20,534
Conduit, Insulators and Conductors										
Concrete - UG Duct	CY	1	324 75	649 50	56 40	36,632	99 00	64,301	0 00	0
Conductors - Generator Leads	TN	1	18 00	36 00	516 00	18,576	0 00	0	1,000 00	36,000
Power Wiring	TN	1	46 48	92 96	516 00	47,967	0 00	0	700 00	65,072
Control Wiring	TN	1	56 43	112 86	516 00	58,236	0 00	0	700 00	79,002
Cable Trays	TN	1	7 00	14 00	305 30	4,274	0 00	0	40 00	560
Subtotal						165,685		64,301		180,634
Switching, Control and Protective Equip										
Switchgear - 4,160v Metalclad	TN	1	40 00	80 00	141 90	11,352	0 00	0	40 00	3,200
Switchgear - 480v Metalclad	TN	1	18.00	36 00	141 90	5,108	0 00	0	40 00	1,440
Station Grounding System	TN	1	10 68	10 68	305 30	3,261	0 00	0	1,000 00	10,680
Subtotal						19,721		0		15,320
Total Account 315						232,374		109,940		216,648
TOTAL RIVIERA UNITS 3 & 4						8,209,826		2,112,687		1,199,418
TOTAL RIVIERA COMMON, UNITS 3 & 4						8,923,160		4,564,105		1,323,834

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
RIVIERA UNIT 2										
FERC Account 311										
Condensing and Service Water System										
Intake Cooling Water Pumps	TN	0	2 00	0 00	189 20	0	0 00	0	40 00	0
Intake Structure - Concrete	CY	1	373 59	373 59	56 40	21,070	99 00	36,985	0 00	0
Intake Structure - Steel	TN	1	9 50	4 75	141 90	674	0 00	0	40 00	190
Traveling Water Screens	TN	0	14 00	0 00	141 90	0	0 00	0	40 00	0
Intake & Disch Conduit-60" Concrete Pip	TN	1	485 66	485 66	216 20	105,000	0 00	0	0 00	0
Concrete	CY	1	279 40	279 40	56 40	15,758	99 00	27,661	0 00	0
Pipe - Cast Iron	TN	1	37 20	37 20	258 00	9,598	0 00	0	40 00	1,488
Pump Foundations	CY	1	25 40	25 40	56 40	1,433	99 00	2,515	0 00	0
Seal Well Concrete Structure	CY	1	53 00	53 00	56 40	2,989	99 00	5,247	0 00	0
Subtotal						156,522		72,408		1,678
Station Structures										
Concrete Mats	CY	1	2,075 90	2,075 90	56 40	117,081	99 00	205,514	0 00	0
Structural Steel	TN	1	129 00	129 00	141 90	18,305	0 00	0	40 00	5,160
Miscellaneous Steel & Handrails	TN	1	50 63	50 63	189 20	9,579	0 00	0	40 00	2,025
Floors - Concrete	CY	1	328 11	328 11	22 56	7,402	99 00	32,483	0 00	0
Concrete Floodwall	CY	1	160 13	80 07	56 40	4,516	99 00	7,926	0 00	0
Misc Cranes & Hoists	TN	0	2 08	0 00	305 30	0	0 00	0	40 00	0
Elevator	TN	0	24 30	0 00	141 90	0	0 00	0	40 00	0
Subtotal						156,883		245,923		7,185
Total Account 311						313,405		318,331		8,863
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Burner Pumps	TN	0	0 80	0 00	305 30	0	0 00	0	40 00	0
Fuel Oil Piping	TN	0	10 28	0 00	189 20	0	0 00	0	40 00	0
Forced Draft Fan Foundations	CY	1	31 63	15 82	56 40	892	99 00	1,566	0 00	0
Forced Draft Fans	TN	0	7 00	0 00	189 20	0	0 00	0	40 00	0
Forced Draft Fan Air Ducts	CY	0	60 00	0 00	56 40	0	99 00	0	0 00	0
Insulation for FD Fan Air Ducts	CY	0	90 00	0 00	56 40	0	17 00	0	0 00	0
Subtotal						892		1,566		0
Boiler Equipment										
Boiler Frame	TN	0	383 00	0 00	141 90	0	0 00	0	40 00	0
Platforms, Grating & Handrails	TN	0	163 80	0 00	189 20	0	0 00	0	40 00	0
Boiler - including	TN	0	732 05	0 00	141 90	0	0 00	0	40 00	0
Drum, Waterwall, Downcomers & Tubes Piping, Valves & Silencers Radiant & Convection Superheaters Reheater, Economizer & Sootblowers Air Preheaters										
Boiler Insulation	CY	0	60 00	0 00	1,353 00	0	25 00	0	0 00	0
Concrete Deck	CY	0	56 00	0 00	56 40	0	99 00	0	0 00	0
Subtotal						0		0		0

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Boiler Plant Auxiliaries										
Feedwater Heater #1	TN	0	5.40	0.00	189.20	0	0.00	0	40.00	0
Feedwater Heater #2	TN	0	4.83	0.00	189 20	0	0 00	0	40.00	0
Feedwater Heater #3	TN	0	4.07	0.00	189 20	0	0 00	0	40 00	0
Feedwater Heater #4	TN	0	4 98	0 00	189 20	0	0 00	0	40 00	0
Feedwater Heater #5	TN	0	7.42	0.00	189 20	0	0 00	0	40 00	0
Condensate Make-up Heater	TN	1	1 02	1.02	189 20	193	0 00	0	40.00	41
Boiler Feed Pumps (including motors)	TN	3	7 65	22.95	189 20	4,342	0.00	0	40 00	918
Concrete Pump Foundations	CY	1	45 60	45 60	56 40	2,572	99 00	4,514	0.00	0
Condensate Storage Tank - 62,000 gl	TN	1	16 50	16 50	141.90	2,341	0 00	0	40 00	660
Condensate Storage Tank Foundation	CY	1	5 90	5 90	56.40	333	99 00	584	0 00	0
Heater Drain Pumps	TN	4	0 65	2 60	305 30	794	0 00	0	40 00	104
Cooling Water Heat Exchanger	TN	3	7 35	22.05	189.20	4,172	0.00	0	40 00	882
Cooling Water Surge Tank	TN	1	1.79	1 79	189.20	339	0 00	0	40 00	72
Condensate Recovery Tank	TN	1	6 30	6.30	189 20	1,192	0 00	0	40 00	252
Chemical Feed System	TN	1	5 00	5 00	189 20	946	0 00	0	40 00	200
Subtotal						17,223		5,099		3,128
Boiler Plant Piping										
Pipe, Valves and Fittings	TN	0	157 46	0 00	189 20	0	0.00	0	40 00	0
Pipe Insulation	CY	0	170 95	0 00	1,353 00	0	25 00	0	0 00	0
Subtotal						0		0		0
Induced Draft Equipment										
Stacks	CY	0	191 00	0 00	56.40	0	99 00	0	0 00	0
Breeching	CY	0	92 00	0.00	56 40	0	99 00	0	0 00	0
Stack Foundation	CY	1	177.90	177.90	56 40	10,034	99 00	17,612	0 00	0
Soot Collecting Equipment	CY	0	9 10	0 00	56 40	0	99 00	0	0 00	0
Gas Ducts	TN	0	120 00	0.00	189 20	0	0 00	0	40.00	0
Induced Draft Fans	TN	0	12 69	0 00	141.90	0	0 00	0	40 00	0
Fan Foundations	CY	1	43 70	21 85	56.40	1,232	99 00	2,163	0 00	0
Subtotal						11,266		19,775		0
Miscellaneous Steel & Equipment	TN	1	6.01	6 01	305 30	1,835	0 00	0	40 00	240
Total Account 312						31,016		26,439		3,369
FERC Account 314										
Turbo-Generator Units										
Pedestal Concrete	CY	1	711 00	711.00	56.40	40,100	99 00	70,389	0 00	0
Inserts & Anchor Bolts	TN	1	1 95	1.95	305.30	595	0.00	0	40.00	78
Turbo-Generator Unit	TN	1	362 50	362.50	107.50	38,969	0.00	0	40.00	14,500
Turbine Copper	TN	1	30 00	60.00	421.40	25,284	0 00	0	1,000.00	60,000
Turbine Piping	TN	1	158 10	158 10	189 20	29,913	0 00	0	40.00	6,324
Turbine Insulation	CY	1	377 95	377.95	1,353.00	511,366	25 00	9,449	0.00	0
Subtotal						646,227		79,838		80,902
Condensers and Auxiliaries										
Condenser Shell	TN	1	197.50	197.50	141.90	28,025	0.00	0	40.00	7,900
Condenser - Aluminum-Brass Tubes	TN	1	64.25	64.25	305.30	19,616	0.00	0	700.00	44,975
Circulating Water Pumps	TN	2	9.75	19.50	189.20	3,689	0.00	0	40.00	780

RIVIERA DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost Per Item	Disposal Cost per Unit of Measure	Disposal Portion per Item	Salvage Value per Unit of Measure	Realizable Salvage Value per Item
Butterfly Valves & Piping	TN	4	106 44	425 76	141.90	60,415	0 00	0	40 00	17,030
Condensate Pumps	TN	3	4 25	12 75	189.20	2,412	0 00	0	40 00	510
Concrete	CY	1	11.20	11 20	22.56	253	99.00	1,109	0.00	0
Steam Jet Air Ejector	TN	1	2 00	2.00	189 20	378	0 00	0	40.00	80
Subtotal						114,789		1,109		71,275
Miscellaneous Steel & Equipment	TN	1	43.49	43.49	305 30	13,277	0.00	0	40.00	1,740
Total Account 314						774,294		80,947		153,917
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Steel Structures & Supports	TN	1	4 50	4 50	189 20	851	0 00	0	40 00	180
Equipment Foundations - Concrete	CY	1	22 70	22.70	56 40	1,280	99 00	2,247	0 00	0
Switchgear Foundations - Concrete	CY	1	8 60	8 60	56.40	485	99 00	851	0 00	0
Manholes and Handholes	CY	1	23 50	23 50	22.56	530	99.00	2,327	0 00	0
Subtotal						3,147		5,425		180
Power and Conversion Equipment										
Aux Power Transformer	TN	1	55 40	55 40	141 90	7,861	0 00	0	40 00	2,216
Station Service Transformers	TN	3	4.00	12 00	189 20	2,270	0 00	0	40 00	480
Lighting Transformers	TN	1	0.60	0.60	305 30	183	0 00	0	40 00	24
Subtotal						10,315		0		2,720
Conduit, Insulators and Conductors										
Concrete - UG Duct	CY	1	279.50	279 50	56.40	15,764	99 00	27,671	0 00	0
Conductors - Generator Leads	TN	1	12.50	12 50	516.00	6,450	0 00	0	1,000 00	12,500
Power Wiring	TN	1	20 00	20 00	516 00	10,320	0.00	0	700 00	14,000
Control Wiring	TN	1	25.00	25.00	516 00	12,900	0.00	0	700.00	17,500
Cable Trays	TN	1	5.00	5.00	305 30	1,527	0.00	0	38.00	190
Subtotal						46,960		27,671		44,190
Switching, Control and Protective Equipment										
Switchgear - 2,400v Metalclad	TN	1	22 25	22 25	141 90	3,157	0.00	0	40.00	890
Switchgear - 480v Metalclad	TN	1	18 00	18 00	141.90	2,554	0.00	0	40.00	720
Air Break and Disconnect Switches	TN	1	0.90	0 90	305 30	275	0 00	0	40.00	36
Lightning and Surge Protection	TN	3	0.25	0 75	305 30	229	0 00	0	40.00	30
Instrument Transformers	TN	6	1.55	9 30	189 20	1,760	0 00	0	40.00	372
Station Grounding System	TN	1	10.68	10.68	305 30	3,261	0 00	0	1,000.00	10,680
Subtotal						11,235		0		12,728
Total Account 315						71,657		33,096		59,818
TOTAL RIVIERA UNIT 2						1,190,572		458,813		225,967

SANFORD PLANT

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Sanford Plant

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

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

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

Unit 4 is a 4 on 1 combined cycle unit consisting of 4 GE 7FA combustion turbines, 4 Foster Wheeler Heat Recovery Steam Generators (HRSG), and one Westinghouse steam turbine. Unit 4 combustion turbines went into commercial operation March 2003. The Unit 4 combined cycle steam turbine is scheduled to go into commercial operation August of 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 new generation output of Unit 4 and 5 combined cycle units when 100% commercial operation will be approximately 2,000 megawatts, which will more than double original output.

The estimated retirement date of Unit 4 is 2027, or 25 years from its in-service date. The estimated retirement date of Unit 5 is 2028. The dismantlement of the plants is assumed to require 2 years beginning in 2032 and 2033. The gas turbines' estimated retirement date is 2007. Their dismantlement is assumed to occur over a two year period beginning in 2012.

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. 981166-EI, Order No. PSC-00-0293-PAA-EI, issued on February 14, 2000. The current accruals became effective as of January 1, 1999.

SANFORD
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Sanford Common				
	Production Plant				
311	Structures and Improvements	650,671	319,922	70,821	899,772
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	1,284	595	182	1,697
	Subtotal	651,955	320,517	71,003	901,469
	Other Site Costs				0
	Site Management Expense	651,052			651,052
	Intake & Discharge Backfill	115,602			115,602
	Grading & Seeding	2,102,977			2,102,977
	Subtoal	2,869,632	0	0	2,869,632
	Total	3,521,587	320,517	71,003	3,771,101
	Contingency - 16%	563,454	51,283		614,737
	Total Sanford Common	4,085,041	371,800	71,003	4,385,837
	Unusable M&S Inventory	766,650		76,665	689,985
		4,851,691	371,800	147,668	5,075,822
	Sanford Units 1 & 2				
311	Structures and Improvements	80,431	20,962	3,293	98,100
312	Boiler Plant Equipment	37,954	29,898	1,440	66,412
314	Turbogenerator Units	38,868	57,358	0	96,226
315	Accessory Electrical Equipment	0	0	0	0
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	157,253	108,218	4,733	260,738
	Contingency - 16%	25,161	17,315		42,475
	Total Sanford Units 1 & 2	182,414	125,532	4,733	303,213
	Sanford Unit 3				
311	Structures and Improvements	587,620	553,250	30,722	1,110,148
312	Boiler Plant Equipment	2,316,789	261,121	172,645	2,405,265
314	Turbogenerator Units	587,675	104,079	151,041	540,713
315	Accessory Electrical Equipment	129,933	18,020	161,684	(13,731)
316	Miscellaneous Equipment	2,182	935	320	2,797
	Subtotal	3,624,200	937,405	516,413	4,045,192
	Contingency - 16%	579,872	149,985		729,857
	Total Sanford Unit 3	4,204,072	1,087,389	516,413	4,775,049
	Sanford Units 4 & 5				
341	Structures and Improvements	1,374,446	1,389,759	50,028	2,714,178
342	Fuel Holders and Storage	101,234	149,947	7,778	243,403
343	Prime Movers	6,783,488	2,429,194	1,392,084	7,820,598
344	Turbogenerator Units	2,778,068	542,480	518,622	2,801,925
345	Accessory Electrical Equipment	1,474,876	172,720	473,068	1,174,528
346	Miscellaneous Equipment	0	0	0	0
	Subtotal	12,512,112	4,684,100	2,441,580	14,754,632
	Contingency - 16%	2,001,938	749,456		2,751,394
	Total Sanford Units 4 & 5	14,514,050	5,433,556	2,441,580	17,506,026
	Total Dismantlement Costs	23,752,227	7,018,277	3,110,394	27,660,111

SANFORD
DISMANTLEMENT COST FOR INFLATION PROJECTION

Description	Labor (A)	Material & Equipment (B)	Burial (C)	Salvage (D)	Total (A) + (B) + (C) - (D)
Sanford Common	2,451,024	2,400,666	371,800	147,668	5,075,822
Sanford Unit 3	2,522,443	1,681,629	1,087,389	516,413	4,775,049
Sanford Units 4 & 5	8,708,430	5,805,620	5,433,556	2,441,580	17,506,026
Total	13,681,898	9,887,915	6,892,745	3,105,661	27,356,897
Sanford Units 1 & 2 [not incl in accrual]	109,448	72,966	125,532	4,733	303,213
Totals [incl Units 1 & 2]	13,791,346	9,960,881	7,018,277	3,110,394	27,660,111

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 PGD. 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.

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 Sanford plant 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 Sanford plant depreciation study submitted in 2002 (on an information only basis), using plant and reserve data as of December 31, 2001.

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.

Substantial asbestos abatement has occurred in connection with the re-powering of Sanford Units 4 and 5. All asbestos used in the old steam supply systems for those units has been removed. Still, substantial amounts of asbestos remain, for example, at the turbines and turbine piping, and can be expected to require abatement at final dismantlement. FPL's PGD has estimated the cost of asbestos removal at $1,353 per cubic yard. This estimate is based on FPL's experience with asbestos abatement at the Cape Canaveral and Palatka sites. The disposal cost per cubic yard varies from site to site depending on the landfill used.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

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

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

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

DEVELOPMENT OF COST FACTORS

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

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study were developed by FPL's Power Generation Division (PGD). The crew rate per man-hour is for a crew consisting of six journeymen laborers, one laborer foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a Trojan 3500Z front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. 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 for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$26.12	X	6	=	$156.74
Foreman	$33.56	X	1	=	$33.56
Heavy Equipment Operator	$31.29	X	1	=	$31.29
Total Cost per hour of 8 man crew					$221.59
Cost per man hour		$221.59	/	8 =	$27.70

Equipment Rate

The equipment rate is based on the following equipment:

Excavator				15,961.61
Front End Loader				5,471.12
Cutting Equipment				210.20
Total per month				21,642 93
$21,643	/	176	hours per month =	122.97
Cost per man hour			$122.97 / 8 =	$15.37
Plus: amount for small tools				0.80
Total Cost per man hour				$16.17

Equipment & Labor Summary

Labor	$27.70
Equipment	16.17
Total	$43.87
Rounded	$44.00
For Concrete demolition add $4.00 per hour additional equipment charge.	$48.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$44.00	2 50 MH / Ton	$110.00 / Ton
Heavy Steel (2)	$44.00	3.30 MH / Ton	$145.20 / Ton
General Steel	$44.00	4.40 MH / Ton	$193.60 / Ton
Light Steel	$44.00	7.10 MH / Ton	$312.40 / Ton
Concrete	$48.00	0.48 MH / CY	$23.04 / CY
Reinforced Concrete	$48.00	1.20 MH / CY	$57.60 / CY
Copper-Elect. Cable & Generator Leads &	$44.00	12.00 MH / Ton	$528.00 / Ton
Copper - Generator	$44.00	9.80 MH / Ton	$431.20 / Ton
Copper - Transformer	$44.00	7.40 MH / Ton	$325.60 / Ton
General Insulation	$44.00	1.00 MH / CY	$44 00 / CY
Inground Pipe-Metal(3)	$44.00	6.00 MH / Ton	$264.00 / Ton
Concrete Pipe	$48.00	4.60 MH / Ton	$220.80 / 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 disposal costs of non-hazardous wastes at the Osceola Road Landfill, in Seminole County. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of $33.00 per ton was obtained from the landfill. The dumpster charges, $177.20 and $215.80 per haul for 20 and 30 cubic yard dumpsters, respectively were provided by Waste Management Inc., of Orlando. The tipping fee for asbestos is $100 per ton plus a $100 per load handling charge.

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	$177.20	/haul		1 haul	=	177.20
Tipping Fees	$33.00	/ ton	X	30.5 tons	=	1,006.50
Total Cost per round Trip						1,183.70
Cost per Cubic Yard	$1,183.70	/ 15.38 cubic yards =				$76.96
Plus 10% contractor profit						7.70
Total Cost per Cubic Yard						$84.66
Rounded Cost per Cubic Yard						$85.00

Insulation - Calcium Silicate (Non-Hazardous)

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

Truck Cost	$215.80	/ haul	X	1 haul	=	215.80
Tipping Fees	$33.00	/ ton	X	1.82 tons	=	60.06
Total Cost per round Trip						275.86
Cost per Cubic Yard	$275.86	/ 27 cubic yards =				$10.22
Plus 10% contractor profit						1.02
Total Cost per Cubic Yard						$11.24
Rounded Cost per Cubic Yard						$11.00

Insulation - Asbestos	$497.80	/ 27 cubic yards =	$18.50

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	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable.	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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 $15,996.54 per month, both office and site, and contractor's expenses of $20,173.03 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	$36,169.58
Number of months	18
Total Site Mangement Expenses	$651,052

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 for the intake is $32,242 the cost for the discharge is $25,559. Sanford has 2 Intakes and 2 Discharges:

	Cost/ Struct	Quantity	Totals
Intake	$32,242	2	$64,484
Discharge	$25,559	2	$51,118
			$115,602

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 is $46,118 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.

Sanford Acreage to be graded and seeded	45.60
Cost Factor	$46,118
Total Grading and Seeding Expense	$2,102,977

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
SANFORD COMMON										
FERC Account 341										
Improvements to Site										
Access Roads and Parking Areas	CY	1	3,140 00	3,140 00	23 04	72,346	85 00	266,900	0 00	0
Concrete Walkways	CY	1	81 07	81 07	23 04	1,868	85 00	6,891	0 00	0
Station Sign - Concrete	CY	1	11 00	11 00	57 60	634	85 00	935	0 00	0
Station Sign - Concrete Foundation	CY	1	7 11	7.11	57 60	410	85 00	604	0 00	0
Rail System Complete - (3520 ties, 5280 LF of rail)	TN	1	352 00	352 00	312 40	109,965	0 00	0	40 00	14,080
Yard Lighting Complete	CY	1	55 00	55 00	57 60	3,168	85 00	4,675	0 00	0
Subtotal						188,389		280,005		14,080
Domestic Water Distribution System and Water Treatn										
Service Water Booster Pump	TN	1	3 00	3 00	312 40	937	0 00	0	40 00	120
Yard Fire Protection - System Complete	TN	1	32 66	32 66	312 40	10,203	0 00	0	40 00	1,306
Lawn Sprinkler System - Incl. Pumps w/ Motors, Co	TN	1	5.00	5.00	312.40	1,562	0 00	0	40.00	200
Acid Mixing Pumps and Piping system-Water Treati	TN	1	85 00	85 00	312 40	26,554	0 00	0	40 00	3,400
Cooling Resv. Make-up Pumps	TN	2	1.00	2 00	312.40	625	0 00	0	40 00	80
Cooling Resv Make-up Piping	TN	1	66 68	66 68	312.40	20,831	0 00	0	40 00	2,667
Well Filed Pumps	TN	1	2 00	2 00	312 40	625	0 00	0	40 00	80
Piping from Well Field to raw water Storage	TN	1	527 60	527 60	312 40	164,822	0 00	0	40 00	21,104
Storm Drain Piping complete	TN	1	245 18	245 18	220 80	54,136	n/a	0	0 00	0
Ground Water Storage Tank(150,000 gal)	TN	1	202 50	202 50	193 60	39,204	0 00	0	40 00	8,100
Elevated Water Storage Tank - 80,000 Gallons	TN	1	108 00	108 00	193 60	20,909	0 00	0	40 00	4,320
Elevated Water Storage Tank - Foundation-Concret	CY	1	40 00	40 00	23 04	922	85 00	3,400	0 00	0
Treated Water Transfer Pump	TN	1	1 00	1 00	312 40	312	0 00	0	40 00	40
Elevated Water Storage Tank(100,000 gal)	TN	1	135 09	135 09	193 60	26,153	0 00	0	40 00	5,404
Fire Protection - Raw Water Fire Pump	TN	1	1 00	1 00	312 40	312	0 00	0	40 00	40
Fire Protection - F/Pump concrete slab	CY	1	6 50	6 50	57 60	374	85 00	553	0 00	0
Subtotal						368,482		3,953		46,861
Fuel Oil System/Area										
Unloading Dock - Reinforced Concrete	CY	0	580 00	0 00	57 60	0	85 00	0	0 00	0
Unloading Dock - Support Steel	TN	0	15 00	0 00	193 60	0	0 00	0	40 00	0
Unloading slip - canal boom motor and drive	TN	0	1 00	0 00	193 60	0	0 00	0	40 00	0
Unloading slip - canal boom motor foundation	CY	0	2 00	0 00	57 60	0	85.00	0	0 00	0
Fuel Oil Piping - at dock area	TN	0	6 00	0 00	193 60	0	0 00	0	40 00	0
Oil Strainers/filters - at dock area	TN	0	2 00	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil Unloading Pumps and motors	TN	0	30 00	0 00	193 60	0	0 00	0	40 00	0
Subtotal						0		0		0
Station Structures										
Service Building - Subst - R/Concrete(145x36)(8")	CY	0	384.00	0.00	57.60	0	85.00	0	0 00	0
Service Building - wing strct - (37x25x10)	CY	0	4 24	0 00	57 60	0	85 00	0	0 00	0
Service Building - wing strct - (13x13x10)	CY	0	13 06	0 00	57 60	0	85 00	0	0 00	0
Service Building - Conc blk and superstructure conc	CY	0	452 11	0 00	23 04	0	85 00	0	0 00	0
Old Station Residence Buildings	CY	0	111 17	0 00	23 04	0	85 00	0	0 00	0
Paint & Lube Oil Storage Bldng - Concrete	CY	0	116 91	0 00	23 04	0	85 00	0	0 00	0
Results Building - R/Concrete Foundn	CY	1	17.50	17 50	57.60	1,008	85.00	1,488	0.00	0
Results Building - concrete block walls	CY	1	7 57	7 57	23 04	174	85.00	643	0 00	0
Spare Parts Warehouse - Structural Steel	TN	1	67 00	67 00	312.40	20,931	0 00	0	40 00	2,680
Spare Parts Warehouse - Foundation - Concrete	CY	1	83 33	83 33	57 60	4,800	85 00	7,083	0 00	0
Chemical Storage Building - Concrete Roof	CY	0	105 83	0 00	57 60	0	85.00	0	0 00	0
Hydrogen Storage Biulding(18x9)	CY	1	5 69	5 69	23 04	131	85 00	484	0 00	0
Bulk Storage Bld - concrete	CY	0	360 50	0 00	57.60	0	85 00	0	0 00	0

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Bulk Storage Bld - steel	TN	0	40 00	0 00	312 40	0	0 00	0	40 00	0
Records Storage Building - concrete	CY	1	15 72	15 72	23 04	362	85 00	1,336	0 00	0
Electrical Storage Building - concrete	CY	1	41 44	41 44	23 04	955	85 00	3,522	0 00	0
Insulation Storage Building - concrete	CY	1	20 80	20 80	23 04	479	85 00	1,768	0 00	0
Training Building - concrete	CY	1	114 87	114 87	23 04	2,647	85 00	9,764	0 00	0
Electrical Motor Repair Building - butler	TN	1	60 00	60 00	312 40	18,744	0 00	0	40 00	2,400
Electrical Motor Repair shop - steel(incl crane)	TN	1	30 00	30 00	312 40	9,372	0 00	0	40 00	1,200
Instrument & Control Building - butler	TN	1	42 00	42 00	312 40	13,121	0 00	0	40 00	1,680
Fabrication Building - butler	TN	1	44 00	44 00	312 40	13,746	0 00	0	40 00	1,760
Lab Building - Concrete Block Walls(51x33)	CY	1	17 69	17 69	23 04	408	85 00	1,504	0 00	0
Lab Building - Concrete Foundation(51x33x6)	CY	1	93 50	93 50	57 60	5,386	85 00	7,948	0 00	0
Subtotal						92,263		35,539		9,720
Sanford Boathouse Facility										
Structure - Steel - Boathouse	TN	1	4 00	4 00	312 40	1,250	0 00	0	40 00	160
Foundation and Seawall - concrete- boathouse	CY	1	5 00	5 00	57 60	288	85 00	425	0 00	0
Subtotal						1,538		425		160
Total Account 341						650,671		319,922		70,821
FERC Account 346										
Miscellaneous Power Plant Equipment										
Service Air Compressor	TN	1	4 55	4 55	193 60	881	0 00	0	40 00	182
Serv Air Compressor - Concrete Foundation	CY	1	7 00	7 00	57 60	403	85 00	595	0 00	0
Total Account 346						1,284		595		182
TOTAL SANFORD COMMON						651,955		320,517		71,003
SANFORD UNITS 1 & 2										
FERC Account 311										
Fuel Oil System/Area										
Fuel Oil Storage Tank Cleaning- 55,246 BBLS	BBLS	0	55,246 00	0 00	0 00	0	n/a	0	0 00	0
Fuel Oil Storage Tank - 55,246 BBLS	TN	0	184 52	0 00	0 00	0	n/a	0	40 00	0
Fuel Oil Tank - Sand Base	CY	0	22 50	0 00	0 00	0	n/a	0	0 00	0
Fuel Oil Suction Heaters(in tank)	TN	0	2 00	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil - Pump Transf Pit & Trenches - R/I Concrel	CY	0	30 00	0 00	57 60	0	85 00	0	0 00	0
Fuel Oil - Transfer Pit Sump Pumps	TN	0	1 00	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil Pipe - Reinforced Concrete Supports	CY	0	15 00	0 00	57 60	0	85 00	0	0 00	0
Subtotal						0		0		0
Station Structures										
Station Structure - Concrete Foundation	CY	1	201 00	201 00	57 60	11,578	85 00	17,085	0 00	0
Station Structure - Structural Steel	TN	1	78 40	78 40	145 20	11,384	0 00	0	40 00	3,136
Station Structure - Concrete floors	CY	1	36 90	36 90	57 60	2,125	85 00	3,137	0 00	0
Station Structure	CY	1	40 00	40 00	1,353 00	54,120	18 50	740	0 00	0
Station Structure - Miscellaneous	TN	1	3 92	3 92	312 40	1,225	0 00	0	40.00	157
Subtotal						80,431		20,962		3,293
Total Account 311						80,431		20,962		3,293
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Fuel Oil Pumps - at tanks	TN	4	7 00	28 00	193 60	5,421	0.00	0	40 00	1,120

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Fuel Oil Heaters - in tanks	TN	4	2 00	8 00	193 60	1,549	0 00	0	40 00	320
Fuel Oil Piping Insulation	CY	1	8 00	8 00	1,353 00	10,824	18 50	148	0 00	0
Subtotal						17,794		148		1,440
Forced and Induced Draft Equipment										
Boiler Foundation	CY	1	350 00	350 00	57 60	20,160	85 00	29,750	0 00	0
Subtotal						20,160		29,750		0
Total Account 312						37,954		29,898		1,440
FERC Account 314										
Turbo-Generator Units										
Pedestal - Reinforced Concrete	CY	2	311 30	622 60	57 60	35,862	85 00	52,921	0 00	0
Circulating Water Pumps - Foundation	CY	2	26 10	52 20	57 60	3,007	85 00	4,437	0 00	0
Total Account 314						38,868		57,358		0
TOTAL SANFORD UNITS 1 & 2						157,253		108,218		4,733
SANFORD UNIT 3										
FERC Account 311										
Site Sewer System										
Storm Sewers and Drains - Concrete(8" - 48")	CY	1	54 31	54 31	220 80	11,992	85 00	4,616	0 00	0
Floor Drains,Sump Pumps & Oily Sep - 6" CI Pipe	TN	1	31 00	31 00	312 40	9,684	0 00	0	40 00	1,240
Sanitary Sewer Concrete	CY	1	96 78	96 78	220 80	21,369	85 00	8,226	0 00	0
Oil Separator	CY	1	12 63	12 63	57 60	727	85 00	1,074	0 00	0
Subtotal						43,773		13,916		1,240
Fuel - Oil/Gas System/Area										
Fuel Oil Storage Tank - 104,641 BBLS	TN	0	349 50	0 00	0 00	0	0 00	0	40 00	0
Fuel Oil Tank - Cleaning(104,641 BBLS)	BBLS	0	104,641 00	0 00	0 00	0	n/a	0	0 00	0
Fuel Oil Storage Tank - Sand Base	CY	0	134 00	0 00	0 00	0	0 00	0	0 00	0
Fuel Oil - Pump Trnsfr Pit & Trnch - Reinforced Cor	CY	1	59 50	59 50	57 60	3,427	85 00	5,058	0 00	0
Fuel Oil - Transfer Pit Sump Pumps	TN	2	4 90	9 80	193 60	1,897	0 00	0	40 00	392
Fuel Oil Suction Heaters	TN	2	10 75	21 50	193 60	4,162	0 00	0	40 00	860
Fuel Oil Supports over canal	CY	1	106 25	106 25	57 60	6,120	85 00	9,031	0 00	0
Fuel Oil Piping - Steel (6" - 18")	TN	1	134 51	134 51	193 60	26,041	0 00	0	40 00	5,380
Gas Piping - main line to main valve	TN	1	27 30	27 30	193 60	5,285	0 00	0	40 00	1,092
Subtotal						46,933		14,089		7,724
Service Water and Raw Water Systems										
Water Treatment - Area Slab - Concrete	CY	1	105 00	105 00	57 60	6,048	85 00	8,925	0 00	0
Fire Protection Piping - CI 2 5" to 8"	TN	1	46 25	46 25	312 40	14,449	0 00	0	40 00	1,850
Raw Water Storage Tank - 50,000 gal	TN	1	17 49	17 49	193.60	3,386	0 00	0	40.00	700
Raw Water Pump and Motor	TN	1	5 00	5 00	312 40	1,562	0.00	0	40 00	200
Raw Water Storage Tank - Foundation	CY	1	8 00	8 00	57 60	461	85 00	680	0 00	0
Fire Protection - Concrete	CY	1	6 00	6 00	57 60	346	85 00	510	0 00	0
Service Water - Cast Iron Piping - 4" to 6"	TN	1	22 45	22 45	312 40	7,013	0 00	0	40 00	898
Subtotal						33,264		10,115		3,648
Intake System										
Intake Structure - Reinforced Concrete	CY	1	731 00	731 00	57 60	42,106	85 00	62,135	0 00	0
Intake Structure - Structural Steel(incl. crane)	TN	1	21 00	21 00	145 20	3,049	0 00	0	40 00	840
Intake Structure - Wingwall Cap & Crane Rail Pads	CY	1	31 11	31 11	57 60	1,792	85.00	2,644	0 00	0
Intake Structure - Traveling Water Screens	TN	2	11 40	22 80	193 60	4,414	0 00	0	40 00	912

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Intake Structure - Screen Wash Pumps and motors	TN	2	3.00	6 00	193 60	1,162	0 00	0	40 00	240
Intake Structure - Concrete Stop Logs	CY	1	11 50	11 50	57 60	662	85 00	978	0 00	0
Intake Cooling Water Pump Motors	TN	2	3 00	6 00	193 60	1,162	0 00	0	40 00	240
Intake Structure - Hoists/Crane	TN	1	2 00	2 00	193 60	387	0 00	0	40 00	80
Intake Conduit - Reinforced Concrete Pipe,54"(350	CY	1	186 90	186 90	220 80	41,268	85 00	15,887	0 00	0
Intake Transition Blocks - Concrete	CY	1	181 65	181 65	57 60	10,463	85 00	15,440	0 00	0
Intake Screen Refuse Line - Cast Iron Pipe	TN	1	2 00	2 00	312 40	625	0 00	0	40 00	80
Subtotal						107,089		97,084		2,392
Discharge System										
Discharge Conduit - 42" Reinforced Concrete Pipe	CY	1	85.75	85 75	220 80	18,934	0 00	0	0 00	0
Discharge Transition and Thrust Blocks	CY	1	131 00	131 00	57 60	7,546	85 00	11,135	0 00	0
Discharge Structure - Reinforced Concrete	CY	1	198 65	198 65	57 60	11,442	85 00	16,885	0 00	0
Discharge Conduit - 54" f/ Unit 4 - anticipated(300ft)	CY	1	160 20	160 20	220 80	35,372	0.00	0	0 00	0
Discharge Structure - Concrete Stop Logs	CY	1	11 50	11 50	57 60	662	85 00	978	0 00	0
Subtotal						73,956		28,998		0
Station Structures										
Substructure concrete footings, piers, beams, Comp	CY	1	232 00	232 00	57 60	13,363	85 00	19,720	0 00	0
Substructure Reinforced Concrete - Mats	CY	1	1,325 50	1,325 50	57 60	76,349	85 00	112,668	0 00	0
Structural Steel - Main Steel	TN	1	304 30	304 30	145 20	44,184	0 00	0	40 00	12,172
Steel - Hand Railing and Miscellaneous	TN	1	19 20	19 20	193 60	3,717	0 00	0	40 00	768
Steel - Station Roof	TN	1	14 95	14 95	193 60	2,894	0 00	0	40 00	598
Station Floors & Roof - Reinforced Concrete	CY	1	991 00	991 00	57 60	57,082	85 00	84,235	0 00	0
Station Crane - Colby 50/15 Ton Gantry Crane	TN	1	25 00	25 00	145 20	3,630	0 00	0	40 00	1,000
Station Elevator - Westinghouse 1200 lb capacity	TN	1	21 00	21 00	193 60	4,066	0 00	0	40 00	840
Emergency Diesel Generators	TN	1	8 50	8 50	193 60	1,646	0 00	0	40 00	340
Hydrogen Storage Shelter - Concrete (18x9)CBB	CY	1	5 69	5 69	23.04	131	85 00	484	0 00	0
Service Building - Concrete Block	CY	1	76.19	76 19	23 04	1,755	85.00	6,476	0 00	0
Intake Chlorination Building - CBB (13x14)	CY	1	8 17	8 17	23 04	188	85 00	694	0 00	0
Chlorine Storage Building - CBB (15x13)	CY	1	5 89	5 89	23 04	136	85 00	501	0 00	0
Concrete Foundation - Serv, Chem, Hydro, Co2	CY	1	837 30	837 30	57 60	48,228	85.00	71,171	0 00	0
All other Concrete - sewers, dock, FO pipe Sppts, tr	CY	1	1,095 30	1,095 30	23 04	25,236	85 00	93,101	0 00	0
Subtotal						282,605		389,048		15,718
Total Account 311						587,620		553,250		30,722
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Fuel - Light Oil Tank(1,000 BBL)	TN	0	4 44	0 00	n/a	0	0 00	0	40 00	0
Fuel - Service Oil Tank(6,000 BBL)	TN	2	26 66	53 32	n/a	28,562	0 00	0	40 00	2,133
Fuel Tank - Foundation and firewall(12,000 BBLS)	CY	1	295 00	295 00	n/a	0	0 00	44,950	0.00	0
Fuel Oil Tank - Cleaning (12,000 BBLS)	BBLS	1	13,000 00	13,000 00	n/a	0	0 00	14,936	0 00	0
Fuel Tank - Sand Base	CY	1	45 00	45 00	n/a	0	0.00	5,712	0 00	0
Fuel Oil Transfer Heaters	TN	2	4 00	8 00	193 60	1,549	0 00	0	40 00	320
Fuel Oil Heaters and strainers	TN	16	1 00	16 00	193 60	3,098	0 00	0	40 00	640
Fuel Oil Burner Pumps/motors - Regular	TN	3	1.50	4.50	193 60	871	0.00	0	40 00	180
Fuel Oil Booster Pump	TN	1	1.50	1.50	193.60	290	0 00	0	40 00	60
Fuel Oil Booster Pump Motor(75 hp)	TN	1	1.50	1.50	193 60	290	0 00	0	40 00	60
Fuel Oil/Gas Burners & Igniters	TN	16	0 60	9 60	193 60	1,859	0 00	0	40.00	384
Gas Piping - 16", 400 ft	TN	1	16 55	16.55	193 60	3,204	0 00	0	40.00	662
Fuel Oil Piping - 16" carbon steel	TN	1	3 79	3 79	193 60	734	0 00	0	40 00	152
Fuel Oil Piping - Supports - Concrete	CY	1	10 00	10.00	57 60	576	85 00	850	0 00	0

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Miscellaneous Steel and Other	TN	1	2 83	2 83	193 60	548	0 00	0	40 00	113
Fuel Oil Piping Insulation	CY	1	25 00	25 00	44 00	1,100	11 00	275	0 00	0
Fuel Oil Piping Insulation	CY	1	50 00	50 00	1,353 00	67,650	18 50	925	0 00	0
Subtotal						110,331		67,648		4,704
Boiler Equipment										
Boiler Frame	TN	1	830 00	830 00	145 20	120,516	0 00	0	40 00	33,200
Platforms, Grating & Handrails	TN	1	185 00	185 00	193.60	35,816	0.00	0	40 00	7,400
Boiler Foundation	CY	1	787 50	787 50	57 60	45,360	85 00	66,938	0.00	0
Boiler Drum	TN	1	113 70	113 70	145 20	16,509	0.00	0	40 00	4,548
Boiler Other - Including										
Air Preheater and lances	TN	2	109 00	218 00	145 20	31,654	0.00	0	40 00	8,720
Sootblowers	TN	1	10 75	10 75	193 60	2,081	0 00	0	40 00	430
Hangers and Supports and links	TN	1	18 00	18 00	193 60	3,485	0 00	0	40 00	720
Downcomers	TN	1	28 00	28 00	145 20	4,066	0 00	0	40 00	1,120
Furnace Tubes/Sphtr/Wtrwalls	TN	1	804 00	804 00	145 20	116,741	0 00	0	40 00	32,160
Reheater and RH attemperator	TN	1	129 20	129 20	145 20	18,760	0 00	0	40 00	5,168
Economizer	TN	1	45 00	45 00	145 20	6,534	0 00	0	40 00	1,800
Casing/Ducts/Flues	TN	1	542 00	542 00	193 60	104,931	0 00	0	40 00	21,680
Burners	TN	1	13 00	13 00	193 60	2,517	0 00	0	40 00	520
Attemperator and SH control	TN	1	1 50	1 50	193 60	290	0 00	0	40 00	60
Miscellaneous Steel and Equipment	TN	1	114 88	114 88	193 60	22,241	0 00	0	40 00	4,595
Air Coil Heaters	TN	1	3 00	3 00	193 60	581	0 00	0	40 00	120
Silencers	TN	1	40 00	40 00	193 60	7,744	0 00	0	40 00	1,600
Insulation	CY	1	50 00	50 00	44 00	2,200	11 00	550	0 00	0
Insulation	CY	1	314 36	314 36	1,353 00	425,329	18 50	5,816	0 00	0
Subtotal						967,354		73,303		123,841
Boiler Plant Auxiliaries										
H P Feedwater Heater #1	TN	1	23 50	23 50	145 20	3,412	0 00	0	40 00	940
H P. Feedwater Heater #2	TN	1	21 40	21 40	145 20	3,107	0 00	0	40 00	856
L P Feedwater Heater #3	TN	1	7 90	7 90	145 20	1,147	0.00	0	40 00	316
L P Feedwater Heater #4	TN	1	10 30	10 30	145 20	1,496	0 00	0	40 00	412
L P Feedwater Heater #5	TN	1	10 30	10 30	145 20	1,496	0 00	0	40 00	412
H P Feedwater Heater #6	TN	1	15 15	15 15	145 20	2,200	0 00	0	40 00	606
Boiler Feed Pumps incl motors	TN	3	7 50	22 50	193 60	4,356	0 00	0	40 00	900
BFP - Foundation	CY	1	16 00	16 00	57 60	922	85 00	1,360	0 00	0
Condensate Storage Tank - 60,000 Gal(21x24)	TN	1	19 67	19 67	193 60	3,808	0 00	0	40 00	787
Condensate Storage Tank Foundation	CY	1	12 40	12 40	57 60	714	85 00	1,054	0 00	0
Condensate Recovery Tank (14x6x4)	TN	2	1 50	3 00	193 60	581	0 00	0	40 00	120
Condensate Recovery Tank Foundation	CY	2	3 54	7 08	57 60	408	85.00	602	0 00	0
Condensate Recovery Cooler	TN	1	1.00	1 00	193.60	194	0 00	0	40 00	40
Condensate Pump	TN	3	1 50	4.50	193 60	871	0 00	0	40 00	180
Condensate Pump motor	TN	3	3 20	9 60	193 60	1,859	0 00	0	40 00	384
Instrument Air Compressor	TN	2	3 50	7 00	193 60	1,355	0 00	0	40 00	280
Blowdown Tank	TN	1	2 50	2 50	193 60	484	0 00	0	40.00	100
Evaporator	TN	1	2 50	2.50	193.60	484	0 00	0	40 00	100
Boiler Fill/Condensate Transfer Pump(40 hp)	TN	4	1.00	4.00	193.60	774	0 00	0	40.00	160
Extraction Heater Drain Pump(100 hp)	TN	2	3.00	6 00	193.60	1,162	0 00	0	40 00	240
Miscellaneous Steel and Equipment -Boiler Aux.	TN	1	6 77	6 77	193 60	1,311	0 00	0	40 00	271
Subtotal						32,139		3,016		7,104
Boiler Plant Piping										
Main Steam Piping	TN	1	21 05	21 05	145 20	3,056	0 00	0	40 00	842

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Hot Reheat Piping	TN	1	34 42	34.42	145 20	4,998	0 00	0	40 00	1,377
Cold Reheat Piping	TN	1	29 08	29 08	145 20	4,222	0 00	0	40 00	1,163
Condensate and Air Evaporation	TN	1	47 31	47 31	193 60	9,159	0 00	0	40 00	1,892
Extraction Steam Piping	TN	1	8 28	8 28	193 60	1,603	0 00	0	40 00	331
Boiler Feed Piping	TN	1	10 58	10 58	145 20	1,536	0 00	0	40 00	423
Boiler Feed/Plant Piping Insulation	CY	1	350 00	350 00	1,353 00	473,550	18 50	6,475	0 00	0
Boiler Feed/Plant Piping Insulation	CY	1	150 00	150 00	44 00	6,600	11 00	1,650	0 00	0
Silencers	TN	1	1 20	1.20	193 60	232	0.00	0	40 00	48
Saturated Auxiliary Steam - Piping	TN	1	34.94	34 94	193 60	6,764	0.00	0	40.00	1,398
Service & Cooling Water Piping	TN	1	57.96	57 96	312 40	18,107	0.00	0	40 00	2,318
Instrument, Sampling & Control Piping	TN	1	37 46	37 46	312.40	11,703	0.00	0	40 00	1,498
Miscellaneous Steel and Equipment	TN	1	28 52	28 52	193 60	5,521	0 00	0	40 00	1,141
Subtotal						547,052		8,125		12,432
Feedwater Treatment and Cooling Water Equipment										
Cooling Water Pumps	TN	2	2 00	4 00	193 60	774	0 00	0	40 00	160
Cooling Water Piping	TN	1	272 07	272 07	193 60	52,673	0 00	0	40 00	10,883
Cooling Water Heat Exchangers	TN	2	1 50	3 00	312 40	937	0 00	0	40 00	120
Subtotal						54,384		0		11,163
Forced and Induced Draft Equipment										
FD Fans Foundations - Reinforced Concrete	CY	1	28 30	28 30	57 60	1,630	85 00	2,406	0 00	0
FD Fans w/ motors and couplings	TN	2	43 50	87 00	145 20	12,632	0.00	0	40.00	3,480
FD Air Ducts(incl windboxes)	TN	1	69 25	69 25	193 60	13,407	0.00	0	40 00	2,770
Insulation	CY	1	50 00	50 00	44 00	2,200	11 00	550	0 00	0
Insulation	CY	1	350 00	350 00	1,353 00	473,550	18 50	6,475	0 00	0
Gas ducts	TN	1	69 25	69 25	193 60	13,407	0 00	0	40 00	2,770
Stack Foundation - Reinforced Concrete	CY	1	620 00	620 00	57 60	35,712	85 00	52,700	0 00	0
Stack - lining/shaft	CY	1	519 75	519 75	57 60	29,938	85 00	44,179	0 00	0
ID Fans Foundations - Reinforced Concrete	CY	1	32 00	32 00	57 60	1,843	85 00	2,720	0 00	0
ID Fans w/ motors and couplings	TN	2	43 50	87 00	193 60	16,843	0 00	0	40 00	3,480
Miscellaneous Steel and Equipment	TN	1	22 55	22 55	193 60	4,366	0 00	0	40 00	902
Subtotal						605,528		109,029		13,402
Total Account 312						2,316,789		261,121		172,645
FERC Account 314										
Turbo-Generator Units										
Pedestal - Reinforced Concrete	CY	1	983 00	983 00	57 60	56,621	85 00	83,555	0 00	0
Turbine - Exciter and other	TN	1	147 35	147 35	110 00	16,209	0 00	0	40 00	5,894
Turbine - Stator	TN	1	216 25	216 25	110 00	23,788	0 00	0	40 00	8,650
Turbine - HP - IP Cylinder Cover	TN	1	20 00	20 00	110.00	2,200	0 00	0	40 00	800
Turbine - LP Cylinder Cover	TN	1	20 50	20 50	110.00	2,255	0 00	0	40 00	820
Turbine - LP Blade Ring(upper half)	TN	1	20 00	20 00	110 00	2,200	0 00	0	40 00	800
Turbine - IP Rotor	TN	1	14 00	14 00	110 00	1,540	0 00	0	40 00	560
Turbine - LP Rotor	TN	1	18 00	18 00	110 00	1,980	0 00	0	40.00	720
Turbine - Generator Rotor	TN	1	30 15	30 15	110 00	3,317	0 00	0	40 00	1,206
Turbine Copper	TN	1	37.00	37.00	431.20	15,954	0.00	0	1,000 00	37,000
Turbine Piping	TN	1	207 20	207 20	145 20	30,085	0 00	0	40.00	8,288
Turbine Insulation	CY	1	210 00	210 00	1,353 00	284,130	18 50	3,885	0 00	0
Turbine Enclosure	TN	1	14 75	14 75	193 60	2,856	0.00	0	40 00	590
Miscellaneous Steel and Equipment	TN	1	16 90	16 90	193 60	3,272	0 00	0	40 00	676
Subtotal						446,406		87,440		66,004

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
Condensers and Auxiliaries										
Condenser Shell	TN	1	285 00	285 00	145 20	41,382	0 00	0	40 00	11,400
Condenser - Aluminum-Brass Tubes	TN	1	87 07	87 07	312 40	27,201	0 00	0	700 00	60,949
Condenser Foundation - Reinforced Concrete	CY	1	185 25	185 25	57 60	10,670	85 00	15,746	0 00	0
Circulating Water Pumps - 58,000 gpm(incl mtr)	TN	2	29 50	59 00	193 60	11,422	0 00	0	40 00	2 360
Circulating Water Piping	TN	1	98 73	98 73	193 60	19,114	0 00	0	40 00	3,949
Condensate Pumps - 12" suction, 8" dischrg(incl mt	TN	3	15 97	47 91	193 60	9,275	0 00	0	40 00	1,916
Condensate Pump - Foundation - RI Concrete	CY	1	10 50	10 50	57 60	605	85 00	893	0 00	0
Turbine Oil Resv (bowser)	TN	1	47 00	47 00	193 60	9,099	0 00	0	40 00	1,880
Lube Oil Storage Tank (4500 gal)	TN	1	23 50	23 50	193 60	4,550	0 00	0	40 00	940
Miscellaneous Steel and Equipment	TN	1	41 07	41 07	193 60	7,951	0 00	0	40 00	1,643
Subtotal						141,270		16,639		85,037
Total Account 314						587,675		104,079		151,041
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	700 00	7,000
Manholes and Handholes - Concrete	CY	1	49 00	49 00	23 04	1,129	85 00	4,165	0 00	0
Transformer Foundations - Concrete	CY	1	39 00	39 00	57 60	2,246	85 00	3,315	0 00	0
Switchgear Foundations - Concrete	CY	1	37 00	37 00	57 60	2,131	85 00	3,145	0 00	0
Load Control Centers Foundations - Concrete	CY	1	12 00	12 00	57 60	691	85 00	1,020	0 00	0
Aux Power Transformer - 7,500 kva	TN	1	17 40	17 40	312 40	5,436	0 00	0	40 00	696
Startup Transformer	TN	1	23 25	23 25	312 40	7,263	0 00	0	40 00	930
Transformer Copper	TN	1	0 00	0 00	325 60	0	0 00	0	1,000 00	0
Storage Battery	TN	1	3 00	3 00	312 40	937	0 00	0	40 00	120
Underground Ducts - Concrete	CY	1	75 00	75 00	57 60	4,320	85 00	6,375	0 00	0
Conduit - rigid alum	TN	1	42 70	42 70	312 40	13,339	0 00	0	700 00	29,890
Exposed Conduits and Trays	TN	1	86 84	86 84	312 40	27,129	0 00	0	700 00	60,788
Buswork and Copper tubing	TN	1	1 00	1 00	312 40	312	0 00	0	1,000 00	1,000
Motor Control Centers	TN	1	4 50	4 50	312 40	1,406	0 00	0	40 00	180
Power/Control Wiring	TN	1	84 56	84 56	528 00	44,648	0 00	0	700 00	59,192
Main Control Board for B-T-G	TN	1	3 00	3 00	312 40	937	0 00	0	40 00	120
Load Control Centers Transformers	TN	2	3 10	6 20	312 40	1,937	0 00	0	40 00	248
Switchgear - 4,160v Metalclad	TN	1	20 00	20 00	312 40	6,248	0 00	0	40 00	800
Switchgear - 480v Metalclad	TN	1	18 00	18 00	312 40	5,623	0 00	0	40 00	720
Total Account 315						129,933		18,020		161,684
FERC Account 316										
Miscellaneous Power Plant Equipment										
Service Air Compressor	TN	1	8 00	8 00	193 60	1,549	0 00	0	40 00	320
Air Compressor - Concrete Foundation	CY	1	11 00	11 00	57 60	634	85.00	935	0 00	0
Total Account 316						2,182		935		320
TOTAL SANFORD UN IT 3						3,624,200		937,405		516,413
SANFORD UNITS 4 & 5										
FERC Account 341										
Site Sewer System										
Storm Sewers and Drains - Concrete(8" - 48")	TN	1	245 18	245 18	220 80	54,136	0 00	0	0 00	0
Floor Drains,Sump Pumps & Oily Sep - 6" CI Pipe	TN	1	22 50	22 50	312 40	7,029	0 00	0	40 00	900
Oil Separator - Site Sewer	CY	0	31 48	0 00	57 60	0	85 00	0	0 00	0
Subtotal						61,165		0		900

SANFORD DISMANTLEMENT STUDY

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Fuel Oil System/Area										
Fuel Oil Storage Tank - 268,000 BBLS	TN	0	890 80	0 00	0 00	85,686	0.00	0	40 00	0
Fuel Oil Tank - Cleaning(268,000 BBLS)					0 00	0	n/a	388,362	0 00	0
Fuel Oil Storage Tank - Sand Base					0 00	0	n/a	193,628	0 00	0
Fuel Oil - Pump Transfer Pit - Reinforced Concrete	CY	0	106 00	0 00	57 60	0	85 00	0	0 00	0
Fuel Oil - Concrete Pipe Trenches	CY	0	51 35	0 00	57 60	0	85 00	0	0 00	0
Fuel Oil - Transfer Pit Pumps	TN	0	7 50	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil - Concrete Retaining Wall	CY	0	741 50	0 00	57 60	0	85 00	0	0 00	0
Fuel Oil Pipe - Reinforced Concrete Supports	CY	0	43 00	0 00	57 60	0	85 00	0	0 00	0
Fuel Oil Piping - Steel (6" - 18")-Unload to Tanks	TN	0	31 44	0 00	193 60	0	0 00	0	40 00	0
Subtotal						85,686		581,990		0
Service Water and Raw Water Systems										
Water Treatment - Area Slab - Concrete	CY	1	520 00	520 00	57 60	29,952	85 00	44,200	0 00	0
Water Treatment - Chlorination System	TN	1	1.00	1 00	193 60	194	0 00	0	40 00	40
Fire Protection Piping - Cl 2.5" to 8"	TN	1	34 22	34 22	312 40	10,690	0 00	0	40 00	1,369
Wash Water Booster Pump	TN	1	1 00	1 00	312 40	312	0 00	0	40 00	40
Drainage Lift Station Sump Pumps	TN	1	1 30	1 30	312 40	406	0 00	0	40 00	52
Service Water - Cast Iron Piping - 4" to 6"	TN	1	78 33	78 33	312 40	24,470	0 00	0	40 00	3,133
Subtotal						66,025		44,200		4,634
Intake System										
Intake Structure - Reinforced Concrete	CY	1	1,901 00	1,901 00	57 60	109,498	85 00	161,585	0 00	0
Intake Structure - Structural Steel(incl crane)	TN	1	50 28	50 28	145 20	7,301	0 00	0	40 00	2,011
Intake Structure - Traveling Water Screens	TN	4	12 19	48 76	193 60	9,440	0 00	0	40 00	1,950
Intake Structure - Screen Wash Pumps	TN	4	0 50	2 00	193 60	387	0.00	0	40 00	80
Intake Structure - Concrete Stop Logs	CY	1	11 50	11 50	57 60	662	85 00	978	0 00	0
Open Cooling Water Piping	TN	1	58 68	58 68	220 80	12,957	0 00	0	40 00	2,347
Intake Cooling Water Pump Motors	TN	4	1 75	7 00	193 60	1,355	0 00	0	40 00	280
Intake Cooling Water Pumps	TN	4	1 37	5 48	193 60	1,061	0 00	0	40 00	219
Lake Fill Pumps	TN	2	4 67	9 34	193 60	1,808	0 00	0	40 00	374
Intake Structure - Crane incl hoists	TN	2	25 23	50 46	193 60	9,769	0 00	0	40 00	2,018
Intake Conduit - Reinforced Concrete Pipe,78"	CY	1	1,123 50	1,123 50	220 80	248,069	0 00	0	0 00	0
Intake Transition Blocks - Concrete	CY	1	433 51	433 51	57 60	24,970	85 00	36,848	0 00	0
Intake Screen Refuse Line - Concrete Pipe	CY	1	72 09	72 09	220 80	15,917	0 00	0	0 00	0
Subtotal						443,194		199,411		9,280
Discharge System										
Discharge Conduit - 78" Reinforced Concrete Pipe	CY	1	933 45	933 45	220 80	206,106	0 00	0	0 00	0
Discharge Transition and Thrust Blocks	CY	1	115 00	115 00	57 60	6,624	85 00	9,775	0 00	0
Discharge Structure - Reinforced Concrete	CY	1	424 00	424 00	57 60	24,422	85.00	36,040	0.00	0
Discharge Structure - Concrete Stop Logs	CY	1	11 50	11 50	57 60	662	85.00	978	0.00	0
Subtotal						237,815		46,793		0
Station Structures										
Substructure concrete footings, piers, beams	CY	1	599 00	599 00	57 60	34,502	85 00	50,915	0 00	0
Substructure Reinforced Concrete - Miscellaneous	CY	1	4,437.00	4,437 00	57.60	255,571	85.00	377,145	0.00	0
Structural Steel - Main Steel	TN	1	539 50	539 50	145 20	78,335	0 00	0	40 00	21,580
Steel - Hand Railing and Miscellaneous	TN	1	10 00	10 00	193 60	1,936	0 00	0	40.00	400
Station Floors & Roof - Reinforced Concrete	CY	1	958 00	958 00	57 60	55,181	85 00	81,430	0 00	0
Station Crane - Whiting 70/15 Crane - Bridge & Tro	TN	2	115 20	230 40	145 20	33,454	0 00	0	40 00	9,216
Station Elevator - Westinghouse 1200 lb capacity	TN	2	45 60	91 20	193 60	17,656	0 00	0	40 00	3,648
Diesel Generator Building - Concrete	CY	1	45 90	45 90	23 04	1,058	85 00	3,902	0 00	0

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Emergency Diesel Generators	TN	1	9 25	9 25	193 60	1,791	0 00	0	40 00	370
Hydrogen Storage Shelter - Concrete	CY	1	46 76	46 76	23 04	1,077	85.00	3,975	0 00	0
Subtotal						480,562		517,366		35,214
Total Account 341						1,374,446		1,389,759		50,028
FERC Account 342										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Fuel - Metering Oil Tank(12,000 BBL)	TN	0	51 32	0.00	0 00	28,562	0 00	0	40.00	0
Fuel Tank - Foundation and firewall					0 00	0	n/a	59,142	0 00	0
Fuel Oil Tank - Cleaning (12,000 BBLS)					0.00	0	n/a	14,852	0 00	0
Fuel Oil Tank - Sand Base (12,000 BBLS)					0 00	0	n/a	24,264	0 00	0
Fuel Oil Unloading Pump/Motor/Base	TN	0	8 65	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil Transfer Pumps	TN	0	2 01	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil - Transfer Heaters	TN	0	7 88	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil - Burner Heaters	TN	0	3 28	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil Burner Pumps/motors - Regular	TN	0	2 90	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil - Burner Pump Suction Heater	TN	0	4 79	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil Booster Pump	TN	0	1.48	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil Booster Pump Motor	TN	0	2.00	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil - Light Oil Pump/Motor	TN	0	1 07	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil Burners & Igniters	TN	0	2 00	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil Piping - 2" to 16" steel - tank to service	TN	0	33 07	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil Piping - Supports - Concrete	CY	0	43 00	0 00	57 60	0	85 00	0	0 00	0
Miscellaneous Steel and Other	TN	0	6 02	0 00	193 60	0	0 00	0	40 00	0
Fuel Oil Piping Insulation	CY	0	10 00	0 00	44 00	0	11 00	0	0 00	0
Fuel Oil Piping Insulation	CY	0	40 00	0 00	1,353 00	0	18 50	0	0 00	0
Subtotal						28,562		98,258		0
Boiler Equipment										
Boiler Frame	TN	0	1,281 00	0 00	145 20	0	0.00	0	40 00	0
Platforms, Grating & Handrails	TN	0	222 00	0 00	193 60	0	0 00	0	40 00	0
Boiler Foundation	CY	0	1,641 00	0 00	57.60	0	85 00	0	0 00	0
Boiler Drum	TN	0	290 00	0 00	145 20	0	0 00	0	40 00	0
Boiler Other - Including										
Air Preheater and lances	TN	0	242 00	0 00	145 20	0	0 00	0	40 00	0
Sootblowers	TN	0	6 90	0 00	193 60	0	0 00	0	40 00	0
Hangers and Supports and links	TN	0	210 00	0 00	193 60	0	0 00	0	40 00	0
Headers	TN	0	275 00	0 00	145 20	0	0 00	0	40 00	0
Downcomers	TN	0	337 00	0 00	145 20	0	0 00	0	40 00	0
Trimpipe	TN	0	38 00	0 00	193 60	0	0 00	0	40 00	0
Seal Air Piping	TN	0	16 00	0 00	193 60	0	0.00	0	40.00	0
Furnace Tubes	TN	0	668 00	0 00	145 20	0	0.00	0	40 00	0
Superheater	TN	0	720 00	0 00	145 20	0	0 00	0	40 00	0
Reheater	TN	0	271 00	0 00	145 20	0	0 00	0	40 00	0
Economizer	TN	0	390 00	0 00	145 20	0	0 00	0	40 00	0
Furnace Guides(Buckstays)	TN	0	245.00	0.00	193.60	0	0.00	0	40.00	0
Penthouse	TN	0	45.00	0 00	145 20	0	0 00	0	40 00	0
Inner Casing & seals	TN	0	30 00	0 00	193 60	0	0 00	0	40 00	0
Outer Casing and doors	TN	0	209.00	0.00	193.60	0	0 00	0	40 00	0
Conduit - rigid alum - 2" 14,800 l.f.	TN	0	9 54	0 00	312 40	0	0 00	0	700.00	0
Miscellaneous Steel and Equipment	TN	0	220.12	0 00	193.60	0	0.00	0	40 00	0
Insulation - Boiler Equipment	CY	0	70 00	0.00	44 00	0	11 00	0	0 00	0

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Insulation - Boiler Equipment	CY	0	652 52	0 00	1,353 00	0	18 50	0	0 00	0
Subtotal						0		0		0
Boiler Plant Auxiliaries										
L P Feedwater Heater #1	TN	0	24 85	0 00	145 20	0	0 00	0	40 00	0
L.P Feedwater Heater #2	TN	0	17 70	0 00	145 20	0	0 00	0	40 00	0
L P Feedwater Heater #3	TN	0	14 95	0 00	145 20	0	0 00	0	40 00	0
L P Feedwater Heater #4	TN	0	13 70	0 00	145 20	0	0 00	0	40 00	0
L P Feedwater Heater #5	TN	0	21 00	0 00	145 20	0	0 00	0	40 00	0
H P Feedwater Heater #6	TN	0	54 75	0 00	145 20	0	0 00	0	40 00	0
H P Feedwater Heater #7	TN	0	68 55	0 00	145 20	0	0 00	0	40 00	0
Boiler Feed Pumps	TN	3	31 65	94 95	193 60	18,382	0 00	0	40 00	3,798
Boiler Feed Pump Foundation	CY	1	407 00	407 00	57 60	23,443	85 00	34,595	0 00	0
Condensate Storage Tank - 150,000 Gal	TN	2	43 26	86 52	193 60	16,750	0 00	0	40 00	3,461
Condensate Storage Tank Foundation	CY	1	194 00	194 00	57 60	11,174	85 00	16,490	0 00	0
Condensate Recovery Tank	TN	2	3 67	7 34	193 60	1,421	0 00	0	40 00	294
Condensate Recovery Tank Foundation	CY	2	3 55	7 10	57 60	409	85 00	604	0 00	0
Condensate Recovery Drain Cooler	TN	2	1 00	2 00	193 60	387	0 00	0	40 00	80
Condensate Recovery Vent Condenser	TN	2	1 82	3 64	193 60	705	0 00	0	40 00	146
Heater Drain Pump/Motors	TN	0	2 45	0 00	193 60	0	0 00	0	40 00	0
Blowdown Tank	TN	0	6 65	0 00	193 60	0	0 00	0	40 00	0
Miscellaneous Steel and Equipment	TN	0	21 57	0 00	193 60	0	0 00	0	40 00	0
Subtotal						72,672		51,689		7,778
Boiler Plant Piping										
Main Steam Piping	TN	0	70 16	0 00	145 20	0	0 00	0	40 00	0
Hot Reheat Piping	TN	0	114 73	0 00	145 20	0	0 00	0	40 00	0
Cold Reheat Piping	TN	0	96 93	0 00	145 20	0	0 00	0	40 00	0
Condensate and Air Evaporation	TN	0	157 69	0 00	193 60	0	0 00	0	40 00	0
Extraction Steam Piping	TN	0	27 60	0 00	193 60	0	0 00	0	40 00	0
Boiler Feed Piping	TN	0	123 90	0 00	145 20	0	0 00	0	40 00	0
Boiler Feed/Plant Piping Insulation	CY	0	50 00	0 00	44 00	0	11 00	0	0 00	0
Boiler Feed/Plant Piping Insulation	CY	0	485 20	0 00	1,353 00	0	18 50	0	0 00	0
Silencers	TN	0	3 00	0 00	193 60	0	0 00	0	40 00	0
Saturated Auxiliary Steam - Piping	TN	0	116 45	0 00	193 60	0	0 00	0	40 00	0
Service & Cooling Water Piping	TN	0	193 21	0 00	312 40	0	0 00	0	40 00	0
Instrument, Sampling & Control Piping	TN	0	124 85	0 00	312 40	0	0 00	0	40 00	0
Closed Cooling Water System - Piping	TN	0	66 30	0 00	193 60	0	0 00	0	40 00	0
Instrument Air Compressor Complete	TN	0	3 00	0 00	193 60	0	0 00	0	40 00	0
Service Air Tank/Receiver	TN	0	1 66	0 00	193 60	0	0 00	0	40 00	0
Instrument Air Tank/Receiver	TN	0	4 06	0 00	193 60	0	0 00	0	40 00	0
Sealing Air Piping	TN	0	32 84	0 00	312 40	0	0 00	0	40 00	0
Miscellaneous Steel and Equipment	TN	0	77 24	0 00	193 60	0	0 00	0	40 00	0
Miscellaneous Piping	TN	0	15 60	0 00	312 40	0	0 00	0	40 00	0
Subtotal						0		0		0
Feedwater Treatment and Cooling Water Equipment										
Retention Tank - 20,000 Gal Cap	TN	0	6 00	0 00	193 60	0	0 00	0	40 00	0
Demin Gas Chlorinator	TN	0	1 50	0 00	193 60	0	0 00	0	40 00	0
Closed Cooling Water Pumps/Motors	TN	0	2 13	0 00	193 60	0	0 00	0	40 00	0
Cooling Water Heat Exchangers	TN	0	22 40	0 00	312 40	0	0 00	0	40 00	0
Subtotal						0		0		0

SANFORD DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Forced and Induced Draft Equipment										
FD Fans Foundations - Reinforced Concrete	CY	0	519 00	0 00	57 60	0	85 00	0	0 00	0
FD Fans w/out motors, w/ coupling	TN	0	20 70	0 00	145 20	0	0 00	0	40 00	0
FD Fans motor	TN	0	6 25	0 00	145 20	0	0 00	0	40 00	0
FD & ID Air Ducts(incl windboxes)	TN	0	146 00	0 00	193.60	0	0.00	0	40 00	0
ID Fans Foundations - Reinforced Concrete	CY	0	872.00	0 00	57 60	0	85 00	0	0.00	0
ID Fans w/out motors, w/ coupling	TN	0	58 60	0 00	145.20	0	0 00	0	40 00	0
ID Fans motors	TN	0	13 65	0 00	145 20	0	0 00	0	40 00	0
Insulation	CY	0	80 00	0 00	44 00	0	11.00	0	0.00	0
Insulation	CY	0	700 00	0 00	1,353.00	0	18 50	0	0 00	0
Gas ducts	TN	0	169 00	0 00	193 60	0	0.00	0	40 00	0
Stack - Fndatn/Column/Lining - Reinforced Concret	CY	0	2,643 48	0 00	57 60	0	85 00	0	0 00	0
Stack - Breeching	TN	0	60 00	0 00	193 60	0	0 00	0	40 00	0
Dust - Collectors	TN	0	75 25	0 00	193 60	0	0 00	0	40 00	0
Carbon Reinjection Piping	TN	0	1 14	0 00	193 60	0	0 00	0	40 00	0
Miscellaneous Steel and Equipment - FD and OD A	TN	0	27 93	0 00	193 60	0	0 00	0	40 00	0
Steam Coil Air Heater	TN	0	8 00	0 00	193 60	0	0 00	0	40 00	0
Subtotal						0		0		0
Total Account 342						101,234		149,947		7,778
FERC Account 343										
Power Movers										
Heat Recovery Steam Generator Structure (HRSG)										
Generator Terminal Enclosure	TN	8	10 50	84 00	193 60	16,262	0 00	0	40 00	3,360
Concrete	CY	1	140 00	140 00	57 60	8,064	85 00	11,900	0 00	0
						24,326		11,900		3,360
HRSG Enclosures										
Combustion Turbine Inlet Filter	TN	8	27 00	216 00	193 60	41,818	0 00	0	40 00	8,640
Combustion Turbine Inlet Duct	TN	8	290 00	2,320 00	193 60	449,152	0 00	0	40 00	92,800
SGF HRSG Vents & Drains Pump	TN	4	0 70	2 80	193 60	542	0 00	0	40 00	112
Supporting Steel	TN	8	10 50	84 00	193.60	16,262	0 00	0	40 00	3,360
Concrete	CY	1	2,133 00	2,133 00	57 60	122,861	85 00	181,305	0 00	0
						630,635		181,305		104,912
HRSG Pressure Parts										
Heat Recovery Steam Generator	TN	8	3,495 50	27,964 00	145 20	4,060,373	0 00	0	40 00	1,118,560
Concrete	CY	1	22,700 00	22,700 00	57 60	1,307,520	85 00	1,929,500	0 00	0
						5,367,893		1,929,500		1,118,560
Industrial Gas Turbine										
Gas Turbine	TN	8	188 50	1,508 00	145 20	218,962	0 00	0	40 00	60,320
Concrete	CY	1	1,225 00	1,225 00	57 60	70,560	85 00	104,125	0 00	0
						289,522		104,125		60,320
Stm Gen/Blr/HRSG Blowdown Cooling System										
WSA Blowdown Pump	TN	2	0 44	0 88	193 60	170	0.00	0	40.00	35
						170		0		35
Reheat System										
HRH Hot Reheat Valves	TN	32	2 50	80.00	193 60	15,488	0 00	0	40 00	3,200
						15,488		0		3,200

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
Steam Turbine										
Generator	TN	8	260 00	2,080 00	110 00	228,800	0 00	0	40 00	83,200
High Pressure Steam Valves	TN	32	1 75	56 00	193 60	10,842	0 00	0	40 00	2,240
Miscellaneous Valves	TN	4900	0 01	49 00	193 60	9,486	0 00	0	40 00	1,960
Concrete	CY	1	1,830 00	1,830 00	57 60	105,408	85 00	155,550	0 00	0
						354,536		155,550		87,400
Condensate Transfer System										
WSI Emergency Condensate Pump	TN	1	3 25	3 25	193 60	629	0 00	0	40 00	130
Concrete	CY	1	3 75	3 75	57 60	216	85 00	319	0 00	0
						845		319		130
Condenser Air Removal System										
CAB Air Compressor	TN	3	4 40	13 20	193 60	2,556	0 00	0	40 00	528
HRB Condenser Air Extraction Hogger	TN	2	9 15	18 30	193 60	3,543	0 00	0	40 00	732
HRB Condenser Air Extraction Ejector	TN	2	3 75	7 50	193 60	1,452	0 00	0	40 00	300
Concrete	CY	1	12 00	12 00	57 60	691	85 00	1,020	0 00	0
						8,242		1,020		1,560
Condenser Cooling Water Pump System										
FWF Condensate Storage & Makeup Pump	TN	4	0 44	1 76	193 60	341	0 00	0	40 00	70
FWC Condensate Pump	TN	4	8 80	35 20	193 60	6,815	0 00	0	40 00	1,408
Concrete	CY	1	50 00	50 00	57 60	2,880	85 00	4,250	0 00	0
						10,035		4,250		1,478
Air Cooling System, G T										
Cooling Fan Module	TN	8	4 25	34 00	193 60	6,582	0 00	0	40 00	1,360
Concrete	CY	1	35 00	35 00	57 60	2,016	85 00	2,975	0 00	0
						8,598		2,975		1,360
Component/Closed Cooling Water System										
ECB Closed Cooling Water Spray Pumps	TN	6	1 20	7 20	193 60	1,394	0 00	0	40 00	288
ECB Closed Cooling Pumps	TN	4	3 20	12 80	193 60	2,478	0 00	0	40 00	512
ECB Closed Cooling Water Cooling Tower	TN	2	58 10	116 20	193 60	22,496	0 00	0	40 00	4,648
Fuel Gas Heat Exchangers	TN	8	13 50	108 00	193 60	20,909	0 00	0	40 00	4,320
Concrete	CY	1	450 00	450 00	57 60	25,920	85 00	38,250	0 00	0
Subtotal						73,197		38,250		9,768
Total Account 343						6,783,488		2,429,194		1,392,084
FERC Account 344										
Turbo-Generator Units										
Pedestal - Reinforced Concrete	CY	1	4,011 00	4,011 00	57 60	231,034	85 00	340,935	0 00	0
Turbine - Stator	TN	2	327 10	654 20	110 00	71,962	0 00	0	40 00	26,168
Turbine - HP/IP Cylinder Cover	TN	2	46 10	92 20	145 20	13,387	0 00	0	40 00	3,688
Turbine - No 1 LP Cylinder Cover	TN	2	45 90	91 80	145 20	13,329	0 00	0	40 00	3,672
Turbine - No 1 Inner Cylinder Cover	TN	2	19 55	39 10	110 00	4,301	0 00	0	40 00	1,564
Turbine - HP/IP Rotor	TN	2	27 30	54 60	110 00	6,006	0.00	0	40 00	2,184
Turbine - No 1 LP Rotor	TN	2	48 00	96 00	110 00	10,560	0 00	0	40 00	3,840
H P Upper Shell	TN	2	31 00	62 00	110 00	6,820	0 00	0	40 00	2,480
H P Lower Shell	TN	2	31 21	62 42	110 00	6,866	0 00	0	40 00	2,497
Generator - Rotor	TN	2	58 75	117 50	110 00	12,925	0 00	0	40 00	4,700
Turbine - LP Rotor Lifting Gear	TN	2	4 00	8 00	110 00	880	0 00	0	40 00	320
Turbine Copper	TN	1	48 00	48 00	431 20	20,698	0 00	0	1,000 00	48,000

SANFORD DISMANTLEMENT STUDY

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Turbine Piping	TN	2	260 00	520 00	145 20	75,504	0 00	0	40 00	20,800
Turbine Insulation	CY	2	100 00	200 00	44 00	8,800	11 00	2,200	0 00	0
Turbine Insulation	CY	2	630 00	1,260 00	1,353 00	1,704,780	18 50	23,310	0 00	0
Turbine Enclosure	TN	2	36 75	73 50	193 60	14,230	0 00	0	40 00	2,940
Miscellaneous Steel and Equipment- Turbine area	TN	2	19 67	39 34	193 60	7,616	0 00	0	40 00	1,574
Turbine Generator Mat - concrete	CY	1	1,961 00	1,961.00	57 60	112,954	85.00	166,685	0 00	0
Subtotal						2,322,652		533,130		124,426
Condensers and Auxiliaries										
Condenser Shell	TN	2	867 50	1,735 00	145 20	251,922	0 00	0	40 00	69,400
Condenser - Aluminum-Brass Tubes	TN	2	223 51	447 02	312 40	139,649	0 00	0	700 00	312,914
Condenser Foundation - Reinforced Concrete	CY	1	110 00	110 00	57 60	6,336	85 00	9,350	0 00	0
Circulating Water Pumps/Motors - 58,000 gpm	TN	4	38 82	155 28	193.60	30,062	0 00	0	40.00	6,211
Condensate Pumps - 12" suction, 8" dischrg(incl mt	TN	4	15 70	62 80	193 60	12,158	0 00	0	40.00	2,512
Turbine Oil Conditioner	TN	4	12 25	49 00	193 60	9,486	0 00	0	40.00	1,960
Turbine Lube Oil Coolers	TN	1	4 00	4 00	193 60	774	0 00	0	40 00	160
Miscellaneous Steel and Equipment- Cond & Aux	TN	1	22 91	22 91	193 60	4,435	0 00	0	40 00	916
Lube Oil Storage Tank	TN	2	1 53	3 06	193 60	592	0 00	0	40 00	122
Subtotal						455,416		9,350		394,196
Total Account 344						2,778,068		542,480		518,622
FERC Account 345										
Accessory Electrical Equipment										
Foundations & Structures										
Main Generator Leads & Enclosures(aluminum)	TN	2	15 00	30 00	528 00	15,840	0 00	0	700 00	21,000
Manholes and Handholes - Concrete	CY	1	961 00	961 00	23 04	22,141	85 00	81,685	0 00	0
Transformer Foundations - Concrete	CY	1	673 00	673 00	57 60	38,765	85 00	57,205	0 00	0
Switchgear Foundations - Concrete	CY	1	348 00	348 00	57 60	20,045	85 00	29,580	0 00	0
Load Control Centers Foundations - Concrete	CY	1	30 00	30 00	57 60	1,728	85 00	2,550	0 00	0
Aux Power Transformer - 7,500 kva	TN	2	81 55	163 10	312 40	50,952	0 00	0	40 00	6,524
Startup Transformer	TN	1	62 00	62 00	312.40	19,369	0 00	0	40 00	2,480
Station Service Transformer	TN	1	54 35	54 35	312 40	16,979	0 00	0	40 00	2,174
Transformer Copper	TN	1	0 00	0 00	325 60	0	0 00	0	1,000 00	0
Storage Battery	TN	2	3 00	6 00	312 40	1,874	0 00	0	40 00	240
Underground Ducts - Concrete	CY	1	2,778 00	2,778 00	220 80	613,382	0 00	0	0 00	0
Engineered Hangers	TN	1	375 00	375 00	312 40	117,150	0 00	0	40 00	15,000
Non-Engineered hangers	TN	1	40 00	40 00	312 40	12,496	0 00	0	40 00	1,600
Conduit - rigid aluminum - Access Electrical	TN	2	21 43	42 86	312 40	13,389	0 00	0	700 00	30,002
Underground Conduit - Access Electrical	CY	2	10.00	20 00	23 04	461	85 00	1,700	0 00	0
Exposed Conduits and Trays - Access Electrical	TN	2	92 90	185 80	312 40	58,044	0 00	0	700 00	130,060
Buswork - Aluminum	TN	2	12 41	24 82	312.40	7,754	0 00	0	700.00	17,374
Motor Control Centers - Access Electrical	TN	10	37 50	375 00	312 40	117,150	0 00	0	40 00	15,000
Copper Wiring - 24,000 ft	TN	1	7 92	7 92	528 00	4,182	0 00	0	700 00	5,544
Power/Control Wiring - 390,000 ft	TN	1	288 00	288 00	528 00	152,064	0 00	0	700 00	201,600
Main Control Board for B-T-G	TN	1	3 00	3 00	312 40	937	0 00	0	40 00	120
Load Control Centers Transformers	TN	9	3 15	28 35	312.40	8,857	0.00	0	40.00	1,134
Control Boards - PECC	TN	1	209 40	209 40	312 40	65,417	0 00	0	40.00	8,376
Concrete	CY									
Switchgear - 4,160v Metalclad - Access Electrical	TN	1	20 00	20 00	312 40	6,248	0 00	0	40 00	800
Switchgear - 480v Metalclad - Access Electrical	TN	1	18 00	18 00	312 40	5,623	0.00	0	40.00	720
High Initial Response Exciter System										
GEC W/LCI	TN	4	38 50	154 00	312 40	48,110	0 00	0	40 00	6,160

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
GEC WO/LCI	TN	4	26.00	104 00	312 40	32,490	0.00	0	40.00	4,160
Steam Turbine Excitation Equipment	TN	2	37.50	75 00	312.40	23,430	0.00	0	40.00	3,000
Concrete	CY	1	420 00	420.00						
						104,029		0		13,320
Total Account 345						1,474,87[illegible]		172,720		473,068
TOTAL SANFORD UNITS 4 & 5						12,512,112		4,684,100		2,441,580
TOTAL SANFORD PLANT (incl. Units 1 & 2)						16,945,521		6,050,239		3,033,729
TOTAL SANFORD PLANT (excl. Units 1 & 2)						16,788,267		5,942,022		3,028,996

SCHERER UNIT 4 AND RELATED COMMON PLANT

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Scherer Unit 4 and Related Common Facilities

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

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

Unit	Year
Common to Units 1 – 4	2029
Common to Units 3 & 4	2029
Unit 4	2029

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

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

Florida Power & Light Company last requested and received approval for a change in dismantlement accruals for the Scherer Units in Docket No. 981166-EI, Order No. PSC-00-0293-PAA-EI, issued on February 14, 2000. The effective date of the current accruals is January 1, 1999.

SCHERER
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Scherer Common (supporting Units 1 through 4)				
	Production Plant				
311	Structures and Improvements	705,715	830,451	26,668	1,509,498
312	Boiler Plant Equipment	2,856,909	2,933,225	175,716	5,614,418
314	Turbogenerator Units	154,241	161,880	11,656	304,465
315	Accessory Electrical Equipment	1,478	0	320	1,158
316	Miscellaneous Equipment	644	0	140	504
	Subtotal	3,718,987	3,925,556	214,500	7,430,043
	Site Mangement Expenses	868,070			868,070
	Intake & Discharge Backfill	57,801			57,801
	Ash Pond Consolidation and Removal	19,210,973			19,210,973
	Grading & Seeding	41,506,132			41,506,132
	Subtotal	61,642,976	0	0	61,642,976
	Total	65,361,963	3,925,556	214,500	69,073,019
	Contingency - 16%	10,457,914	628,089		11,086,003
	Total Scherer Common (supporting Units 1 through 4)	75,819,878	4,553,645	214,500	80,159,023
	Unusable M&S Inventory	2,405,340		360,801	2,044,539
	Total Scherer Common including Unusable M & S	78,225,218	4,553,645	575,301	82,203,562
	FPL's Ownership Percentage - 19 09%	14,933,194	869,291	109,825	15,692,660
					15,692,660
	Scherer Common (supporting Units 3 &4)				
311	Structures and Improvements	69,083	137,193	2,887	203,389
312	Boiler Plant Equipment	1,849,066	2,303,097	29,514	4,122,649
314	Turbogenerator Units	10,513	6,742	1,120	16,135
315	Accessory Electrical Equipment	0	0	0	0
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	1,928,662	2,447,032	33,521	4,342,173
	Contingency - 16%	308,586	391,525		700,111
	Total Scherer Common (supporting Units 3 & 4)	2,237,248	2,838,557	33,521	5,042,284
	FPL's Ownership Percentage - 38 18%	854,181	1,083,761	12,798	1,925,144
	Scherer Unit 4				
311	Structures and Improvements	647,439	158,521	123,140	682,820
312	Boiler Plant Equipment	6,786,567	272,806	1,669,328	5,390,045
314	Turbogenerator Units	1,508,743	1,766,808	209,480	3,066,071
315	Accessory Electrical Equipment	315,961	0	490,786	(174,825)
316	Miscellaneous Equipment	8,316	0	1,800	6,516
	Subtotal	9,267,026	2,198,135	2,494,534	8,970,627
	Contingency - 16%	1,482,724	351,702		1,834,426
	Total Scherer Unit 4	10,749,750	2,549,837	2,494,534	10,805,053
	FPL's Ownership Percentage - 76 36%	8,208,509	1,947,055	1,904,826	8,250,738
	Total Dismantlement Costs - FPL's Ownership	23,995,885	3,900,107	2,027,449	25,868,542

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)	8,500,737	6,432,457	869,291	109,825	15,692,660
Scherer Common (supporting Units 3 & 4)	512,509	341,673	1,083,761	12,798	1,925,144
Scherer Unit 4	4,925,106	3,283,404	1,947,055	1,904,826	8,250,738
Total	13,938,351	10,057,533	3,900,107	2,027,449	25,868,542

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 PGD. 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.

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 plant 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 plant depreciation study submitted in 2002 (on an information only basis) using plant and reserve data as of December 31, 2001.

Sherer Unit 4 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.

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 were developed by FPL's Power Generation Division (PGD). The crew rate per man-hour is for a crew consisting of six laborers, one laborer foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a Trojan 3500Z front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. 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 for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$24.53	X	6	=	$147.19
Foreman	$31.52	X	1	=	$31.52
Heavy Equipment Operator	$29.38	X	1	=	$29.38
Total Cost per hour of 8 man crew					$208.08
Cost per man hour		$208.08	/	8 =	$26.01

Equipment Rate

The equipment rate is based on the following equipment:

Excavator				15,961.61
Front End Loader				5,471.12
Cutting Equipment				208.12
Total per month				$21,641
21,640.85	/	176	hours per month =	122.96
Cost per man hour			$122.96 / 8 =	$15.37
Plus: amount for small tools				0.80
Total Cost per man hour				$16.17

Equipment & Labor Summary

Labor	$26.01
Equipment	16.17
Total	$42.18
Rounded	$42.00
For Concrete demolition add $4.00 per hour additional equipment charge.	$46.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$42.00	2.50 MH / Ton	$105.00 / Ton
Heavy Steel (2)	$42.00	3.30 MH / Ton	$138.60 / Ton
General Steel	$42.00	4.40 MH / Ton	$184.80 / Ton
Light Steel	$42.00	7.10 MH / Ton	$298.20 / Ton
Concrete	$46.00	0.48 MH / CY	$22.08 / CY
Reinforced Concrete	$46.00	1.20 MH / CY	$55.20 / CY
Copper-Elect. Cable & Generator Leads &	$42.00	12.00 MH / Ton	$504.00 / Ton
Copper - Generator	$42.00	9.80 MH / Ton	$411.60 / Ton
Copper - Transformer	$42.00	7.40 MH / Ton	$310.80 / Ton
General Insulation	$42 00	1.00 MH / CY	$42.00 / CY
Inground Pipe-Metal(3)	$42.00	6.00 MH / Ton	$252.00 / Ton
Concrete Pipe	$46.00	4.60 MH / Ton	$211.60 / CY

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

DISPOSAL COST FACTORS

Three cost factors were developed to compute the cost of disposal of non-hazardous wastes at the Swift Creek Landfill Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee of $28.00/ton, and the haul rate, $135 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.

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	$135.00	/ haul	X	1 haul	=	$135.00
Tipping Fees	$28.00	/ ton	X	30.5 tons	=	854.00
Total Cost per round Trip						$989.00
Cost per Cubic Yard	$989.00	/ 15.38 cubic yards =				$64.30
Plus 10% contractor profit						6.43
Total Cost per Cubic Yard						$70.73
Rounded Cost per Cubic Yard						$71.00

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	$135.00	/ haul	X	1 haul	=	$135.00
Tipping Fees	$28.00	/ ton	X	2.43 tons	=	68.04
Total Cost per round Trip						$203.04
Cost per Cubic Yard	$203.04	/ 36 cubic yards =				$5.64
Plus 10% contractor profit						0.56
Total Cost per Cubic Yard						$6.20
Rounded Cost per Cubic Yard						$6.00

SALVAGE VALUE FACTORS

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

Iron & Steel	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable:	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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 $15,996.54 per month, both office and site, and contractor's expenses of $20,173.03 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	$36,170
Number of months	24
Total Site Mangement Expenses	$868,070

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 for the intake is $32,242 the cost for the discharge is $25,559 making a total cost of: $57,801

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 is $46,117.92 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.

Scherer Acreage to be graded and seeded	900.00
Cost Factor	$46,118
Total Grading and Seeding Expense	$41,506,132

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:

Description	Amount
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)	1,632,498
Total Cost to dismantle Ash Pond	$19,210,973

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
SCHERER SITE COMMON										
(SUPPORTING UNITS 1 THROUGH 4)										
FERC Account 311										
Structures & Improvements										
Ponds										
Concrete - Spillway	CY	1	696 0	696.0	55.20	38,419	71.00	49,416	0 00	0
Subtotal						38,419		49,416		0
Ash Disposal Pond:										
Concrete - Spillway	CY	1	285.0	285 0	55.20	15,732	71.00	20,235	0.00	0
Subtotal						15,732		20,235		0
Maintenance Equipment Storage House										
Substructure Concrete	CY	1	84 0	84.0	55 20	4,637	71 00	5,964	0.00	0
Structural Steel	TN	1	15.0	15.0	138 60	2,079	0.00	0	40 00	600
Metal Siding	TN	1	1.1	1 1	298.20	328	0 00	0	40 00	44
Subtotal						7,044		5,964		644
Water Treatment Building										
Substructure Concrete	CY	1	3,400 0	3,400 0	55 20	187,680	71 00	241,400	0.00	0
Structural Steel	TN	1	220.0	220.0	138.60	30,492	0 00	0	40.00	8,800
Metal Siding	TN	1	16.0	16 0	298 20	4,771	0 00	0	40 00	640
Metal Wall Panel	TN	1	14 6	14 6	298 20	4,354	0 00	0	40.00	584
Masonry - Concrete Block	CY	1	200 0	200.0	22 08	4,416	71.00	14,200	0 00	0
Roof - Precast Concrete Roof Decking	CY	1	206 0	206.0	22 08	4,548	71 00	14,626	0 00	0
Other Superstructure Concrete	CY	1	450.0	450 0	22.08	9,936	71 00	31,950	0 00	0
Subtotal						246,197		302,176		10,024
Training Building										
Substructure Concrete	CY	1	230 0	230 0	55 20	12,696	71.00	16,330	0.00	0
Structural Steel	TN	1	40.0	40.0	138 60	5,544	0 00	0	40.00	1,600
Subtotal						18,240		16,330		1,600
Hydrogen House										
Substructure Concrete	CY	1	183 0	183 0	55.20	10,102	71 00	12,993	0 00	0
Precast Concrete Wall Panel	CY	1	223 3	223 3	22 08	4,930	71 00	15,854	0 00	0
Masonry - Concrete Block	CY	1	273 3	273.3	22 08	6,034	71 00	19,404	0 00	0
Roof - Precast Concrete Roof Decking	CY	1	217 8	217 8	22.08	4,809	71 00	15,464	0 00	0
Subtotal						25,875		63,715		0
Precipitator Control House										
Substructure Concrete	CY	1	611.0	611 0	55.20	33,727	71 00	43,381	0.00	0
Subtotal						33,727		43,381		0
Fire Protection Building										
Substructure Concrete - Valve House	CY	1	246 0	246 0	55 20	13,579	71 00	17,466	0 00	0
Substructure Concrete - Building #1	CY	1	261 0	261.0	55 20	14,407	71 00	18,531	0 00	0
Substructure Concrete - Building #2	CY	1	108.0	108 0	55.20	5,962	71.00	7,668	0.00	0
Masonry Block Building #1 & #2	CY	1	518.7	518 7	22.08	11,453	71.00	36,828	0.00	0
Precast Roof Panel - Building #1 & #2	CY	1	4.1	4.1	22.08	90	71.00	291	0.00	0
Subtotal						45,49[illegible]		80,784		0

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Service Water Chlorine House										
Substructure Concrete	CY	1	186 0	186 0	55 20	10,267	71 00	13,206	0 00	0
Structural Steel	TN	1	22 0	22 0	138 60	3,049	0 00	0	40 00	880
Subtotal						13,316		13,206		880
Security Building										
Precast Concrete Wall Panel	CY	1	137 8	137 8	22 08	3,043	71 00	9,784	0 00	0
Masonry - Concrete Block	CY	1	141 7	141 7	22 08	3,129	71 00	10,061	0 00	0
Precast Concrete Roof Decking	CY	1	80 6	80 6	22.08	1,780	71 00	5,723	0 00	0
Subtotal						7,952		25,568		0
Well Pump House										
Substructure Concrete - Well Pump House	CY	1	22 0	22 0	55 20	1,214	71 00	1,562	0 00	0
Substructure Concrete - Pump House #2	CY	1	9 0	9 0	55 20	497	71 00	639	0 00	0
Structural Steel - Well Pump House	TN	1	3 0	3 0	138 60	416	0 00	0	40 00	120
Structural Steel - Pump House #2	TN	1	1 0	1 0	138 60	139	0 00	0	40 00	40
Precast Wall Panel - Well Pump	TN	1	100 0	100 0	298 20	29,820	0 00	0	0 00	0
Precast Roof - Well Pump House	CY	1	31 1	31 1	22 08	687	71 00	2,208	0 00	0
Concrete - Roof - Pump House #2	CY	1	2 0	2 0	22 08	44	71 00	142	0 00	0
Metal Siding - Pump House #2	TN	1	270 0	270 0	298 20	80,514	0 00	0	40 00	10,800
Subtotal						113,331		4,551		10,960
Lube Oil Storage House										
Substructure Concrete	CY	1	56 0	56 0	55 20	3,091	71 00	3,976	0 00	0
Structural Steel	TN	1	26 0	26 0	138 60	3,604	0 00	0	40 00	1,040
Precast Concrete Wall Panel	CY	1	146 7	146 7	22 08	3,239	71 00	10,416	0 00	0
Masonry - Concrete Block	CY	1	204 4	204 4	22 08	4,513	71 00	14,512	0 00	0
Precast Concrete Roof Decking	CY	1	63 1	63 1	22 08	1,393	71 00	4,480	0 00	0
Subtotal						15,840		33,384		1,040
Waste Water Control House										
Architectural Work.										
Masonry Block - House #1	CY	1	54 4	54 4	22 08	1,201	71 00	3,862	0 00	0
Masonry Block - House #2	CY	1	54 4	54 4	22 08	1,201	71 00	3,862	0.00	0
Precast Roof Panel - House #1	CY	1	35 6	35 6	22 08	786	71 00	2,528	0 00	0
Precast Roof Panel - House #2	CY	1	35 6	35 6	22 08	786	71 00	2,528	0 00	0
Subtotal						3,974		12,780		0
Air Compressor House										
Substructure Concrete	CY	1	50 0	50 0	55 20	2,760	71 00	3,550	0 00	0
Structural Steel	TN	1	12 0	12 0	138 60	1,663	0 00	0	40 00	480
Subtotal						4,423		3,550		480
River Intake Switchgear Building										
Substructure Concrete	CY	1	50 0	50 0	55 20	2,760	71 00	3,550	0 00	0
Structural Steel	TN	1	9 0	9 0	138 60	1,247	0 00	0	40 00	360
Masonry - Concrete Block	CY	1	33 3	33 3	22 08	735	71 00	2,364	0 00	0
Precast Concrete Wall Panel	CY	1	90.0	90.0	22.08	1,987	71 00	6,390	0.00	0
Precast Concrete Roof Decking	CY	1	57 2	57 2	22 08	1,263	71 00	4,061	0 00	0
Subtotal						7,992		16,365		360
Nitrogen Storage Pad										
Substructure Concrete	CY	1	4 0	4 0	55 20	221	71.00	284	0 00	0
Subtotal						221		284		0

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Sewage Treatment Facility										
Collection System Piping Concrete	CY	1	24 0	24.0	55.20	1,325	71 00	1,704	0.00	0
Subtotal						1,325		1,704		0
Utility Trench Concrete	CY	1	103 0	103.0	55.20	5,686	71 00	7,313	0.00	0
Waste Water Treatment System										
Concrete - Chemical Waste Basin	CY	1	440 0	440.0	55.20	24,288	71.00	31,240	0.00	0
Subtotal						24,288		31,240		0
Foundation.										
Concrete - Waste Water Basins	CY	1	1,275	1,275 0	55.20	70,380	71.00	90,525	0 00	0
Subtotal						70,380		90,525		0
Security Guard House										
Substructure Concrete	CY	1	43 0	43.0	55.20	2,374	71 00	3,053	0 00	0
Subtotal						2,374		3,053		0
Water Treatment Chlorine Storage House										
Structural Steel	TN	1	17 0	17.0	138.60	2,356	0.00	0	40 00	680
Precast Concrete Roof Decking	CY	1	69 4	69 4	22 08	1,532	71 00	4,927	0 00	0
Subtotal						3,888		4,927		680
Total Account 311						705,715		830,451		26,668
FERC Account 312										
Boiler Plant Equipment										
Auxiliary Boiler System										
Foundation Concrete	CY	1	20	20	55.20	1,104	71 00	1,420	0.00	0
Boiler	TN	2	328	656	138.60	90,922	0.00	0	40 00	26,240
Subtotal						92,026		1,420		26,240
Feedwater System:										
Pump	TN	3	23	69	184 80	12,751	0.00	0	40.00	2,760
4" Pipe	TN	1	2	2	184.80	370	0 00	0	40.00	80
Subtotal						13,121		0		2,840
Steam Distrib System										
Piping - less than 4"	TN	1	3	3	184.80	554	0 00	0	40.00	120
8" Pipe	TN	1	5	5	184 80	924	0 00	0	40 00	200
10" Pipe	TN	1	14	14	184 80	2,587	0.00	0	40.00	560
14" Pipe	TN	1	85	85	184.80	15,708	0.00	0	40 00	3,400
16" Pipe	TN	1	4	4	184 80	739	0 00	0	40 00	160
Subtotal						20,512		0		4,440
Coal Handling System										
Unloading Conveyors	TN	1	26	26	184.80	4,805	0.00	0	40.00	1,040
Conveyor Motors	TN	4	0	1	184.80	222	0.00	0	40.00	48
Structural Steel - Conveyor S1	TN	1	91	91	138 60	12,613	0.00	0	40.00	3,640
Structural Steel - Conveyor S2	TN	1	91	91	138.60	12,613	0.00	0	40.00	3,640
Metal Siding - Conveyor S1	TN	1	7	7	298.20	2,087	0 00	0	40.00	280
Metal Siding - Conveyor S2	TN	1	5	5	298 20	1,491	0.00	0	40.00	200
Metal Roofing - Conveyor S1	TN	1	6	6	298.20	1,789	0.00	0	40 00	240

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Metal Roofing - Conveyor S2	TN	1	6	6	298 20	1,789	0 00	0	40.00	240
Foundation Concrete - Conveyor S1	CY	1	226	226	55.20	12,475	71.00	16,046	0.00	0
Foundation Concrete - Conveyor S2	CY	1	226	226	55.20	12,475	71 00	16,046	0.00	0
Tunnel - Conveyor S1	TN	1	470	470	184.80	86,856	0.00	0	40.00	18,800
Tunnel - Conveyor S2	TN	1	470	470	184 80	86,856	0 00	0	40 00	18,800
Conveyor Concrete - Superstructure (S1)	CY	1	26	26	55.20	1,435	71.00	1,846	0.00	0
Conveyor Concrete - Superstructure (S2)	CY	1	26	26	55 20	1,435	71.00	1,846	0.00	0
Conveyor S1	TN	1	15	15	184.80	2,772	0 00	0	40.00	600
Conveyor S2	TN	1	15	15	184 80	2,772	0.00	0	40.00	600
Motor	TN	2	3	5	184.80	924	0.00	0	40.00	200
Conveyor to Crshr Hse Concrete - Tunnel	CY	1	795	795	55.20	43,884	71 00	56,445	0.00	0
Subtotal						289,293		92,229		48,328
Coal Storage Area										
Unburned Coal	CY	1	35,000	35,000	0.00	0	4 00	140,000	0 00	0
Concrete - Pump Structure	CY	1	235	235	55 20	12,972	71 00	16,685	0.00	0
Concrete - Drainage Channel	CY	1	6,400	6,400	55.20	353,280	71.00	454,400	0 00	0
Concrete - Storage Pond	CY	1	5,635	5,635	55.20	311,052	71 00	400,085	0 00	0
Car Unloading Area Foundation Concrete	CY	1	10,920	10,920	55 20	602,784	71 00	775,320	0.00	0
Structural Metal - Grating	TN	1	50	50	184.80	9,240	0 00	0	40.00	2,000
Subtotal						1,289,328		1,786,490		2,000
Reclaim System										
Hopper & Tunnel Structure - Concrete	CY	1	1,070	1,070	55.20	59,064	71.00	75,970	0.00	0
Hopper & Trestle Concrete	CY	1	2,825	2,825	55.20	155,940	71.00	200,575	0 00	0
Tunnel - Concrete	CY	1	752	752	55.20	41,510	71 00	53,392	0.00	0
Structural Metal - Support Steel	TN	1	21	21	138 60	2,911	0.00	0	40.00	840
Reclaim Conveyor	LF	1	232	232	184 80	42,874	0 00	0	40 00	9,280
Motor	TN	2	1	2	184.80	370	0.00	0	40 00	80
Subtotal						302,669		329,937		10,200
Coal Handling Service Building										
Substructure Concrete - Building Found.	CY	1	1,273	1,273	55.20	70,270	71.00	90,383	0 00	0
Concrete - Paving	CY	1	2,050	2,050	55 20	113,160	71.00	145,550	0.00	0
Concrete - Ramp	CY	1	205	205	55.20	11,316	71 00	14,555	0.00	0
Structural Steel	TN	1	161	161	138.60	22,315	0.00	0	40.00	6,440
Precast Concrete Roof Decking	CY	1	903	903	22.08	19,945	71.00	64,134	0.00	0
Concrete - Roof	CY	1	229	229	22.08	5,056	71.00	16,259	0.00	0
Metal Siding	TN	1	16	16	298 20	4,771	0.00	0	40.00	640
Subtotal						246,833		330,881		7,080
Coal Handling Control House										
Substructure Concrete	CY	1	107	107	55.20	5,906	71.00	7,597	0.00	0
Structural Steel	TN	1	39	39	184.80	7,207	0.00	0	40 00	1,560
Superstructure - Concrete	CY	1	36	36	55.20	1,987	71.00	2,556	0.00	0
Superstructure - Metal Siding	TN	1	6	6	298.20	1,703	0.00	0	40.00	228
Subtotal						16,803		10,153		1,788
Fuel Handling Railroad										
Trestles - Structural Steel	TN	1	995	995	138.60	137,907	0.00	0	40.00	39,800
Trestles - Concrete Abutment	CY	1	117	117	55.20	6,458	71 00	8,307	0.00	0
Trestles - Concrete Bents	CY	1	1,550	1,550	55.20	85,560	71.00	110,050	0.00	0
Grating	TN	1	50	50	184.80	9,240	0.00	0	40.00	2,000
Subtotal						239,165		118,357		41,800

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Wet Ash Handling System - Transport System										
Supports - Concrete	CY	1	425	425	55.20	23,460	71.00	30,175	0.00	0
Piping - Grating	TN	1	80	80	184.80	14,784	0.00	0	40.00	3,200
Piping - Trench Concrete	CY	1	2,800	2,800	55.20	154,560	71 00	198,800	0 00	0
Subtotal						192,804		228,975		3,200
Control Air System										
Air Distrib System - Less than 4" Pipe	TN	1	34	34	184.80	6,283	0 00	0	40.00	1,360
Subtotal						6,283		0		1,360
Service Water System										
Service Water Pumping Substruct Concrete	CY	1	456	456	55.20	25,171	71 00	32,376	0.00	0
Masonry Wall	CY	1	25	25	22.08	552	71 00	1,775	0 00	0
Precast Concrete Roof Decking	CY	1	9	9	22 08	197	71.00	632	0.00	0
Less than 4" Pipe	TN	1	12	12	184 80	2,218	0.00	0	40 00	480
4" Pipe	TN	1	8	8	184 80	1,478	0 00	0	40 00	320
6" Pipe	TN	1	40	40	184.80	7,392	0.00	0	40 00	1,600
8" Pipe	TN	11	50	550	184 80	101,640	0 00	0	40.00	22,000
12" Pipe	TN	1	14	14	184.80	2,587	0 00	0	40.00	560
16" Pipe	TN	1	5	5	184.80	924	0 00	0	40 00	200
Subtotal						142,159		34,783		25,160
Chemical Waste Treatment System										
Sedimentation Tank	TN	6	4	23	184 80	4,213	0 00	0	40 00	912
Filtration Pump	TN	4	2	9	184.80	1,700	0.00	0	40 00	368
Subtotal						5,913		0		1,280
Total Account 312						2,856,909		2,933,225		175,716
FERC Account 314										
Turbogenerator Units										
Cooling Water System										
Cooling Water Dischrge Structure Concr	CY	1	810	810	55 20	44,712	71.00	57,510	0.00	0
Subtotal						44,712		57,510		0
Storage Water Intake Structure.										
Concrete	CY	1	948	948	55.20	52,330	71 00	67,308	0 00	0
Concrete - Deflector Wall	CY	1	144	144	22 08	3,180	71 00	10,224	0.00	0
Concrete - Superstructure	CY	1	325	325	22.08	7,176	71 00	23,075	0 00	0
Grating	TN	1	11	11	184.80	2,033	0.00	0	40 00	440
Structural Steel	TN	1	17	17	138.60	2,356	0 00	0	40.00	680
Subtotal						67,075		100,607		1,120
Storage Water Supply System										
Pump	TN	4	5	18	184 80	3,326	0 00	0	40.00	720
Motor	TN	4	11	44	184.80	8,205	0.00	0	40.00	1,776
Subtotal						11,531		0		2,496
Storage Pond Intake Structure										
Intake Structure Concrete	CY	1	53	53	55.20	2,925	71.00	3,763	0 00	0
Grating	TN	1	3	3	184.80	554	0.00	0	40.00	120
Subtotal						3,480		3,763		120

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Lifting System										
Overhead Crane	TN	1	198	198	138 60	27,443	0 00	0	40 00	7,920
Subtotal						27,443		0		7,920
Total Account 314						154,241		161,880		11,656
FERC Account 315										
Accessory Electrical Equipment										
A C System - 4kv										
Distribution System Switchgear Frame	TN	8	1	8	184 80	1,478	0 00	0	40 00	320
Total Account 315						1,478		0		320
FERC Account 316										
Miscellaneous Plant Equipment										
Station Maintenance Equipment	TN	1	0 50	1	184 80	92	0 00	0	40 00	20
Station Test Equipment	TN	1	0 50	1	184 80	92	0 00	0	40.00	20
Machine Shop Equipment	TN	1	0 50	1	184 80	92	0 00	0	40 00	20
Station Stores Equipment	TN	1	0 50	1	184 80	92	0 00	0	40.00	20
Training Equipment	TN	1	0 50	1	184 80	92	0 00	0	40 00	20
Plant Furnishings	TN	1	0 50	1	184 80	92	0 00	0	40 00	20
Site Support Mobile Equipment	TN	1	0 50	1	184 80	92	0 00	0	40 00	20
Total Account 316						644		0		140
TOTAL SCHERER SITE COMMON (SUPPORTING UNITS 1 THROUGH 4)						3,718,987		3,925,556		214,500
SCHERER UNITS 3 & 4 COMMON										
FERC Account 311										
Structures & Improvements										
Emergency Generator Building										
Substructure Concrete	CY	1	104 0	104 0	55 20	5,741	71 00	7,384	0 00	0
Structural Steel	TN	1	17 0	17 0	138 60	2,356	0 00	0	40 00	680
Metal Siding	TN	1	2,350 0	1 2	298 20	350	0 00	0	40 00	47
Masonry - Concrete Block	CY	1	136 7	136 7	22 08	3,018	71 00	9,706	0 00	0
Roof - Precast Concrete Roof Decking	CY	1	170 0	170 0	22 08	3,754	71 00	12,070	0 00	0
Subtotal						15,219		29,160		727
Substructure Concrete - House #1	CY	1	187 0	187 0	55 20	10,322	71 00	13,277	0 00	0
Substructure Concrete - House #2	CY	1	187 0	187 0	55 20	10,322	71 00	13,277	0.00	0
Structural Steel - House #1	TN	1	27 0	27 0	138 60	3,742	0 00	0	40 00	1,080
Structural Steel - House #2	TN	1	27 0	27 0	138.60	3,742	0 00	0	40 00	1,080
Masonry Block - House #1	CY	1	245 0	245 0	22 08	5,410	71 00	17,395	0 00	0
Masonry Block - House #2	CY	1	215 6	215 6	22 08	4,760	71 00	15,308	0 00	0
Precast Wall Panel - House #1	CY	1	173 1	173 1	22 08	3,822	71 00	12,290	0 00	0
Precast Wall Panel - House #2	CY	1	173 1	173 1	22 08	3,822	71 00	12,290	0 00	0
Precast Roof Panel - House #1	CY	1	164 4	164 4	22 08	3,630	71 00	11,672	0 00	0
Precast Roof Panel - House #2	CY	1	164.4	164 4	22.08	3,630	71.00	11,672	0 00	0
Subtotal						53,202		107,181		2,160
Chem Wst Trtmnt Contr Hse										
Substr Concrete	CY	1	12.0	12 0	55 20	662	71 00	852	0.00	0
Subtotal						662		852		0

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Total Account 311						69,083		137,193		2,887
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	55 20	10,046	71 00	12,922	0 00	0
Fuel Storage Facils Foundation Concrete	CY	1	182 0	182 0	55 20	10,046	71 00	12,922	0 00	0
Subtotal						20,092		25,844		0
Fuel Storage Facilities										
Foundation	CY	1	50 0	50 0	55 20	2,760	71 00	3,550	0 00	0
Retaining Enclosure - Concrete	CY	1	630 0	630 0	55 20	34,776	71 00	44,730	0 00	0
Tank Demolition	TN	2	7 0	14 0	n/a	50,000	0 00	0	40 00	560
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						87,536		209,946		560
Stack										
Subfoundation, Stack	CY	1	20,000 0	20,000 0	55 20	1,104,000	71 00	1,420,000	0 00	0
Concrete	CY	1	8 300 0	8,300 0	55 20	458 160	71 00	589,300	0 00	0
Steel Liner	TN	1	220 0	220 0	184 80	40,656	0 00	0	40 00	8,800
Subtotal						1,602,816		2,009,300		8,800
Coal Handling Switchgear House										
Subfound Wrk, Cl Hndlg Switchgear House										
Substructure Concrete	CY	1	195 0	195 0	55 20	10,764	71 00	13,845	0 00	0
Structural Steel	TN	1	22 0	22 0	184 80	4,066	0 00	0	40 00	880
Superstructure - Metal Siding	TN	1	3 6	3 6	298 20	1,086	0 00	0	40 00	146
Subtotal						15 916		13,845		1,026
Treated Water System										
Raw Water Supply Pump	TN	4	15 0	60 0	184 80	11,088	0 00	0	40 00	2,400
Water Treatment System - Tank	TN	1	9 0	9 0	184 80	1,663	0 00	0	40 00	360
4" Pipe	TN	1	14 0	14 0	184 80	2,587	0 00	0	40 00	560
Subtotal						15,338		0		3,320
Chemical Storage Facilities										
Tank Foundation Concrete	CY	1	320 0	320 0	55 20	17,664	71 00	22,720	0 00	0
Retaining Wall Concrete	CY	1	24 0	24 0	55 20	1,325	71 00	1,704	0 00	0
Less than 4" Pipe	TN	1	49 0	49 0	184 80	9,055	0 00	0	40 00	1,960
Subtotal						28,044		24,424		1,960
Condensate Storage & Transfer										
Tank Foundation Concrete	CY	1	108 0	108 0	55 20	5,962	71 00	7,668	0 00	0
Tank	TN	4	60 0	240 0	184 80	44,352	0 00	0	40 00	9,600
Piping - Trench Concrete	CY	1	120 0	120 0	55 20	6,624	71 00	8,520	0 00	0
Pump	TN	4	1 8	7 2	184 80	1,331	0 00	0	40 00	288
Water Treatment Pump	TN	4	1 5	6 0	184 80	1,109	0 00	0	40 00	240
Water Treatment Tank	TN	2	6 5	13 0	184 80	2,402	0 00	0	40 00	520
Subtotal						61,780		16,188		10,648

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Filtered Water System										
Supply system Piping										
Less than 4" Pipe	TN	1	4 0	4 0	184 80	739	0 00	0	40 00	160
4" Pipe	TN	1	6 0	6 0	184 80	1,109	0 00	0	40 00	240
6" Pipe	TN	1	18 0	18 0	184 80	3,326	0 00	0	40 00	720
Subtotal						5,174		0		1,120
Filtered Water Storage System										
Foundation Concrete	CY	1	50 0	50 0	55 20	2,760	71 00	3,550	0 00	0
Tank	TN	1	52 0	52 0	184 80	9,610	0 00	0	40 00	2,080
Subtotal						12,370		3,550		2,080
Total Account 312						1,849,066		2,303,097		29,514
FERC Account 314										
Turbogenerator Equipment										
Lube Oil System										
Oil Storage Tank		2	14 0	28 0	n/a	5,000	n/a	0	40 00	1,120
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		1 120
Total Account 314						10,513		6,742		1,120
TOTAL SCHERER UNITS 3 & 4 COMMON						1,928,662		2,447 032		33,521
SCHERER UNIT 4										
FERC Account 311										
Structures & Improvements										
Architectural										
Grating	TN	1	95 0	95 0	184 80	17,556	0 00		40 00	3,800
Masonry Block - MCC Room	CY	1	31 2	31 2	22 08	689	71 00	2,215	0 00	0
Masonry Block - Battery Room	CY	1	49 3	49 3	22 08	1,089	71 00	3,500	0 00	0
Metal Panel - Operator Floor	CY	1	5 5	5 5	298 20	1,640	0 00	0	40 00	220
Metal Panel - Switchgear Room	CY	1	8 5	8 5	298 20	2,535	0 00	0	40 00	340
Superstructure - Concrete Roof	CY	1	586 0	586 0	22 08	12,939	71 00	41,606	0 00	0
Subtotal						36,448		47,321		4 360
Fire Protection System - Piping	TN	1	12 0	12 0	184 80	2,218	0 00		40 00	480
Steam Generator Building										
Grating	TN	1	920 0	920 0	298 20	274,344	0 00	0	40 00	36,800
Masonry Block - Restrooms	CY	1	32 2	32 2	22 08	711	71 00	2,286	0 00	0
Metal Panel - Compressor Room	TN	1	3 7	3 7	298 20	1,103	0 00	0	40 00	148
Metal Panel - Elevator Encl	TN	1	16 9	16 9	298 20	5,040	0 00	0	40 00	676
Metal Panel - Water Analysis Room	TN	1	5 2	5 2	298 20	1,551	0 00	0	40 00	208
Metal Panel - Operator Fl Encl	TN	1	3 5	3 5	298 20	1,044	0 00	0	40 00	140
Metal Panel - Air Compr Room	TN	1	5 3	5 3	298 20	1,580	0 00	0	40 00	212
Accoustical Panel - Fan Room	TN	1	12 1	12 1	298 20	3,608	0 00	0	40 00	484
Metal Panel - HVAC Room	TN	1	4 3	4 3	298 20	1,282	0 00	0	40 00	172
Metal Panel - MCC Room	TN	1	1 2	1 2	298 20	358	0 00	0	40 00	48
Subtotal						290,621		2,286		38 888

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Superstructure										
Metal Panel - Record Storage Room	TN	1	2 9	2 9	298 20	865	0 00	0	40 00	116
Metal Panel - LightingMCC Room	TN	1	0 9	0 9	298 20	268	0 00	0	40 00	36
Metal Panel - Tripper Room	TN	1	36 1	36 1	298 20	10,765	0 00	0	40 00	1,444
Metal Panel - Cable Spread Room	TN	1	7 4	7 4	298 20	2,207	0 00	0	40 00	296
Subtotal						14,105		0		1,892
Coal Bunker	TN	1	1,895 0	1,895 0	138 60	262,647	0 00	0	40 00	75,800
Superstructure Concrete										
Roof - Concrete	CY	1	1,520 0	1,520 0	22 08	33,562	71 00	107,920	0 00	0
Subtotal						33,562		107,920		0
Fire Protection System										
Less than 4" Pipe	TN	1	5 0	5 0	184 80	924	0 00	0	40 00	200
4" Pipe	TN	1	3 0	3 0	184 80	554	0 00	0	40 00	120
6" Pipe	TN	1	13 0	13 0	184 80	2,402	0 00	0	40 00	520
8" Pipe	TN	1	13 0	13 0	184 80	2,402	0 00	0	40 00	520
10" Pipe	TN	1	9 0	9 0	138 60	1,247	0 00	0	40 00	360
Subtotal						7,529		0		1,720
Environmental Monitoring Facility										
Concrete Substructure	CY	1	14 0	14 0	22 08	309	71 00	994		0
Subtotal						309		994		0
Total Account 311						647,439		158,521		123,140
FERC Account 312										
Boiler Plant Equipment										
Steam Generating System										
Boiler Enclosure										
Boiler	TN	1	14,506 0	14,506 0	138 60	2,010,532	0 00	0	40 00	580,240
Boiler Setting Insulation	CY	1	3,300 0	3,300 0	42 00	138,600	6 00	19,800	0 00	0
Air Heaters Casing	TN	1	1,122 0	1,122 0	184 80	207,346	0 00	0	40 00	44,880
Subtotal						2,356,478		19,800		625,120
Seal Air System										
Seal Air System Fan	TN	2	35 0	70 0	184 80	12,936	0 00	0	40 00	2,800
Boiler Intake Ductwork	TN	1	800 0	800 0	184 80	147,840	0 00	0	40 00	32,000
Boiler Exhaust Ductwork	TN	1	845 0	845 0	184 80	156,156	0 00	0	40 00	33,800
Gas Recirculation Ductwork	TN	1	816 0	816 0	184 80	150 797	0 00	0	40 00	32,640
Gas Recircul Fan	TN	1	46 0	46.0	184.80	8,501	0 00	0	40 00	1,840
Gas Recircul Fan Drive	TN	1	12 0	12 0	184.80	2,218	0 00	0	40 00	480
Soot Blowers	TN	182	0 2	36 0	184 80	6,653	0 00	0	40 00	1,440
Subtotal						485,101		0		105,000
Boiler Water Circulating System										
Boiler Water Circulation Pump	TN	4	31.0	124 0	184 80	22,915	0.00	0	40 00	4,960
Subtotal						22,915		0		4,960
Pulverized Coal Firing System										
Boiler Burners	TN	9	0 5	4 5	184 80	832	0 00	0	40 00	180
Pulverizer	TN	9	23 0	207 0	138 60	28,690	0 00	0	40 00	8,280
Motor - 600 hp (7 ea) & 800 hp (2 ea)	TN	9	3 8	34 2	184 80	6,320	0 00	0	40 00	1,368

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Foundation Concrete	CY	1	208 0	208.0	55.20	11,482	71.00	14,768	0.00	0
Coal Feeders	TN	9	5.0	45.0	138 60	6,237	0 00	0	40.00	1,800
Subtotal						53,561		14,768		11,628
Primary Air System.										
Primary Air Ductwork	TN	1	845 0	845 0	184 80	156,156	0 00	0	40 00	33,800
Fan	TN	2	66 0	132 0	184 80	24,394	0 00	0	40 00	5,280
Motor	TN	2	30 3	60 6	184.80	11,199	0 00	0	40.00	2,424
Foundation Concrete	CY	1	95 0	95 0	55 20	5,244	71 00	6,745	0.00	0
Coal Firing System Piping	TN	1	17 0	17 0	184 80	3,142	0 00	0	40 00	680
Coal Firing System Hoist	TN	19	26.0	494 0	184.80	91,291	0 00	0	40.00	19,760
Subtotal						291,426		6,745		61,944
Lighter Oil System										
Ignitors	TN	72	0 2	14.4	184.80	2,661	0 00	0	40 00	576
Fuel Supply Motor	TN	2	0 4	0 8	298.20	239	0.00	0	40.00	32
Piping	TN	1	7 0	7.0	298.20	2,087	0 00	0	40.00	280
Subtotal						4,987		0		888
Fuel Storage Facilities, Lighter Oil System										
Fuel Storage Pump	TN	2	1 5	3.0	298.20	895	0 00	0	40.00	120
Fuel Storage Piping - 3"	TN	1	3.0	3 0	298 20	895	0.00	0	40.00	120
Feedwater Motor	TN	1	9 9	9 9	184 80	1,830	0.00	0	40 00	396
Subtotal						3,620		0		636
Boiler Plant Equipment										
Blowdown Piping										
Blowdown Piping -Less than 4" Pipe	TN	1	14 0	14.0	298 20	4,175	0 00	0	40 00	560
Blowdown Piping -6" Pipe	TN	1	3 0	3 0	184.80	554	0 00	0	40.00	120
Blowdown Piping -12" Pipe	TN	1	6.0	6 0	138.60	832	0 00	0	40.00	240
Blowdown Piping -16" Pipe	TN	1	8.0	8 0	138.60	1,109	0 00	0	40.00	320
Blowdown Piping -24" Pipe	TN	1	30.0	30 0	138 60	4,158	0.00	0	40 00	1,200
Subtotal						10,828		0		2,440
Draft System										
Precipitators Foundation - Concrete	CY	4	185 0	740.0	55.20	40,848	71.00	52,540	0.00	0
Precipitators Drainage Slab - Concrete	CY	1	830.0	830 0	55 20	45,816	71.00	58,930	0.00	0
Precipitator	TN	4	1,915.0	7,660 0	138.60	1,061,676	0.00	0	40.00	306,400
Precipitator Structural Steel	TN	1	410.0	410.0	138.60	56,826	0.00	0	40 00	16,400
Precipitator Grating	TN	1	25.0	25.0	298.20	7,455	0.00	0	40 00	1,000
Forced Draft Fan Outlet Ductwork	TN	1	80.0	80.0	184.80	14,784	0 00	0	40.00	3,200
Forced Draft Fan Foundation	CY	1	25.0	25.0	55.20	1,380	71.00	1,775	0.00	0
Forced Draft Fan Support Steel	TN	1	150.0	150.0	138.60	20,790	0.00	0	40.00	6,000
Precip. Inlet Ductwork	TN	1	783.0	783 0	184.80	144,698	0 00	0	40.00	31,320
Precip. Foundation Support Steel	TN	1	200.0	200.0	138.60	27,720	0.00	0	40.00	8,000
Precip Foundation Concrete	CY	1	200 0	200.0	55 20	11,040	71 00	14,200	0.00	0
Precip. Outlet Ductwork	TN	1	427.0	427.0	184.80	78,910	0.00	0	40.00	17,080
Precip. Ductwork Foundation - Concrete	CY	1	100.0	100.0	55.20	5,520	71.00	7,100	0.00	0
Precip. Ductwork Support Steel	TN	1	400.0	400.0	138.60	55,440	0.00	0	40.00	16,000
Induced Draft Ductwork	TN	1	684 0	684 0	184.80	126,403	0.00	0	40.00	27,360
ID Fan Ductwork Foundation - Concrete	CY	1	100 0	100.0	55.20	5,520	71.00	7,100	0.00	0
ID Fan Ductwork Fndtn - Support Steel	TN	1	531.0	531.0	138.60	73,597	0.00	0	40.00	21,240
Ductwork System Insulation	CY	1	450 0	450.0	42.00	18,900	6.00	2,700	0.00	0
Subtotal						1,797,323		144,345		454,000

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Forced Draft Fans & Drives, Draft System										
Forced Draft Fans	TN	4	62 5	250 0	184 80	46,200	0 00	0	40 00	10,000
Forced Draft Fan Motors	TN	4	16 1	64 4	184 80	11,901	0 00	0	40 00	2,576
Forced Draft Fan Foundation - Concrete	CY	1	4 0	4 0	55 20	221	71 00	284	0 00	0
Subtotal						58,322		284		12,576
Induced Draft Fans										
Fans	TN	4	282 0	1,128 0	184 80	208,454	0 00	0	40 00	45,120
Induced Draft Fan Motors	TN	4	22 0	88 0	184 80	16,262	0 00	0	40 00	3,520
Subtotal						224,716		0		48,640
Transfer Conveyor										
Magnetic Separator	TN	1	3 0	3 0	138 60	416	0 00	0	40 00	120
Subtotal						416		0		120
Conveyor to Crusher House										
Support Steel	TN	1	155 0	155 0	138 60	21,483	0 00	0	40 00	6,200
Conveyor Foundation - Concrete	CY	1	212 0	212 0	55 20	11,702	71 00	15,052	0 00	0
Conveyor - Concrete Superstructure	CY	1	84 0	84 0	22 08	1,855	71 00	5,964	0 00	0
Conveyor - Metal Roofing	TN	1	9 0	9 0	184 80	1,663	0 00	0	40 00	360
Conveyor - Metal Siding	TN	1	15 0	15 0	184 80	2,772	0 00	0	40 00	600
Conveyor - Motor	TN	1	1 6	1 6	184 80	296	0 00	0	40 00	64
Subtotal						39,771		21,016		7,224
Boiler Plant Equipment										
Conveyor to Powerhouse										
Support Steel	TN	1	308 0	308 0	138 60	42,689	0 00	0	40 00	12,320
Conveyor - Metal Roofing	TN	1	12 0	12 0	184 80	2,218	0 00	0	40 00	480
Conveyor - Metal Siding	TN	1	20 0	20 0	184 80	3,696	0 00	0	40 00	800
Conveyor - Motor	TN	1	1 7	1 7	184 80	314	0 00	0	40 00	68
Subtotal						48,917		0		13,668
Tripper Conveyor										
Motor	TN	3	1,562 0	4,686 0	184 80	865,973	0 00	0	40 00	187,440
Carriage	TN	1	2 0	2 0	184 80	370	0 00	0	40 00	80
Subtotal						866,343		0		187,520
Crushing System										
Crusher	TN	1	26 0	26 0	184 80	4,805	0 00	0	40 00	1,040
Crusher Motor	TN	1	9 4	9 4	184 80	1,737	0 00	0	1,000 00	9,400
Subtotal						6,542		0		10,440
Sampling System (Sampler & Control Instl)	TN	1	7 0	7 0	184 80	1,294	0 00		40 00	280
Coal Handling Motor Control House										
Substructure Concrete	CY	1	70 0	70 0	55 20	3,864	71 00	4,970	0 00	0
Structural Steel	TN	1	8 0	8 0	138.60	1,109	0.00	0	40 00	320
Roof Decking Concrete	CY	1	117 8	117 8	22 08	2,601	71 00	8,364	0 00	0
Wall Panel Concrete	CY	1	191 1	191 1	22 08	4,219	71 00	13,568	0 00	0
Subtotal						11,793		26,902		320

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Coal Handling Crusher House										
Substructural Concrete	CY	1	295 0	295 0	55 20	16,284	71 00	20,945	0 00	0
Structural Steel	TN	1	194 0	194 0	138 60	26,888	0 00	0	40 00	7,760
Subtotal						43,172		20,945		7,760
Architectural Work - Superstructure										
Masonry - Concrete Block	CY	1	161 1	161 1	22 08	3,557	71 00	11,438	0 00	0
Concrete	CY	1	85 0	85 0	22 08	1,877	71 00	6,035	0 00	0
Metal Siding	TN	1	12 0	12 0	184 80	2,218	0 00	0	40 00	480
Subtotal						7,652		17,473		480
Wet Ash Handling System										
Pyrite Hopper	TN	2	2 4	4 8	184 80	887	0 00	0	40 00	192
4" & 12" Pipe	TN	1	3 0	3 0	184 80	554	0 00	0	40 00	120
Subtotal						1,441		0		312
Boiler Bottom Ash Removal System										
Clinker Grinder	TN	4	3 0	12 0	138 60	1,663	0 00	0	40 00	480
Piping - 4"	TN	1	4 0	4 0	184 80	739	0 00	0	40 00	160
Piping - 6"	TN	1	4 0	4 0	184 80	739	0 00	0	40 00	160
Piping - 8"	TN	1	30 0	30 0	184 80	5,544	0 00	0	40 00	1,200
Piping - Ash 10"	TN	1	24 0	24 0	138 60	3,326	0 00	0	40 00	960
Piping - 12"	TN	1	3 0	3 0	138 60	416	0 00	0	40 00	120
Air Separator & Tank	TN	1	2 0	2 0	184 80	370	0 00	0	40 00	80
Transport System - Pump	TN	6	15 2	91 2	184 80	16,854	0 00	0	40 00	3,648
Transport System - Motor	TN	6	5 2	31 2	184 80	5,766	0 00	0	40 00	1,248
Subtotal						35,417		0		8,056
Boiler Plant Equipment										
Sluice Water System										
Less than 4" Pipe	TN	1	8 0	8 0	184 80	1,478	0 00	0	40 00	320
4" Pipe	TN	1	7.0	7 0	184 80	1,294	0 00	0	40 00	280
6" Pipe	TN	1	8 0	8 0	184 80	1,478	0 00	0	40 00	320
10" Pipe	TN	1	13 0	13 0	138 60	1,802	0 00	0	40 00	520
12" Pipe	TN	1	5 0	5 0	138 60	693	0 00	0	40 00	200
Lifting System Motor	TN	2	1 1	2 2	184 80	407	0 00	0	40 00	88
Lifting System Hoist	TN	1	18 0	18 0	184 80	3,326	0 00	0	40 00	720
Subtotal						10,478		0		2,448
Control Air System										
Air Dryer	TN	1	9 7	9 7	184.80	1,793	0 00	0	40 00	388
Compressor	TN	1	6 0	6 0	184 80	1,109	0 00	0	40 00	240
Subtotal						2,902		0		628
Air Distribution System - Piping		1								
Less than 4" Pipe	TN	1	37 0	37 0	184.80	6,838	0 00	0	40 00	1,480
4" Pipe	TN	1	2 0	2 0	184 80	370	0 00	0	40 00	80
8" Pipe	TN	1	5.0	5 0	184 80	924	0.00	0	40.00	200
Subtotal						8,132		0		1,760
Plant Service Water System										
Plant Service Water Pump	TN	1	22.0	22 0	184 80	4,066	0 00	0	40 00	880
Motor	TN	1	14 4	14 4	184 80	2,661	0 00	0	40 00	576
Subtotal						6,727		0		1,456

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Piping, Main line										
Less than 4" Pipe	TN	1	3 0	3 0	184 80	554	0 00	0	40 00	120
4" Pipe	TN	1	6 0	6 0	184 80	1,109	0 00	0	40 00	240
6" Pipe	TN	1	18 0	18 0	184 80	3,326	0 00	0	40 00	720
10" Pipe	TN	1	12 0	12 0	138 60	1,663	0 00	0	40 00	480
12" Pipe	TN	1	4 0	4 0	138 60	554	0 00	0	40 00	160
16" Pipe	TN	1	5 0	5 0	138 60	693	0 00	0	40 00	200
Subtotal						7,899		0		1,920
Main Turbine Steam System										
Main Steam Piping										
18" Pipe	TN	1	11 0	11 0	138 60	1,525	0 00	0	40 00	440
22" Pipe	TN	1	105 0	105 0	138 60	14,553	0 00	0	40 00	4,200
28" Pipe	TN	1	202 0	202 0	138 60	27,997	0 00	0	40 00	8,080
Subtotal						44,075		0		12,720
Hot Reheat Piping										
32" Pipe	TN	1	224 0	224 0	138 60	31,046	0 00	0	40 00	8,960
42" Pipe	TN	1	193 0	193 0	138 60	26,750	0 00	0	40 00	7,720
Subtotal						57,796		0		16,680
Cold Reheat Piping										
32 3/4" Pipe	TN	1	60 0	60 0	138 60	8,316	0 00	0	40 00	2,400
42" Pipe	TN	1	76 0	76 0	138 60	10,534	0 00	0	40 00	3,040
Subtotal						18,850		0		5,440
Main Steam Bypass System Piping		1								
12" Pipe	TN	1	13 0	13 0	138 60	1,802	0 00	0	40 00	520
24" Pipe	TN	1	65 0	65 0	138 60	9,009	0 00	0	40 00	2,600
Subtotal						10,811		0		3,120
Extraction Steam System										
8" Pipe	TN	1	3 0	3 0	184 80	554	0 00	0	40 00	120
12" Pipe	TN	1	8 0	8 0	138 60	1,109	0 00	0	40 00	320
Subtotal						1,663		0		440
LP Heater Steam Piping										
18" Pipe	TN	1	4 0	4 0	138 60	554	0 00	0	40 00	160
24" Pipe	TN	1	9 0	9 0	138 60	1,247	0 00	0	40 00	360
26" Pipe	TN	1	5 0	5 0	138 60	693	0 00	0	40 00	200
30" Pipe	TN	1	11 0	11 0	138 60	1,525	0 00	0	40 00	440
36" Pipe	TN	1	12 0	12 0	138 60	1,663	0 00	0	40 00	480
42" Pipe	TN	1	12 0	12 0	138 60	1,663	0 00	0	40 00	480
54" Pipe	TN	1	10 0	10 0	138 60	1,386	0 00	0	40 00	400
Subtotal						8,731		0		2,520
Soot Blower Steam Piping										
Less than 4" Pipe	TN	1	2 0	2.0	184 80	370	0.00	0	40 00	80
4" Pipe	TN	1	21 0	21 0	184 80	3,881	0.00	0	40 00	840
6" Pipe	TN	1	7 0	7 0	184 80	1,294	0 00	0	40 00	280
Subtotal						5,545		0		1,200
Air Heater Steam Piping										

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Less than 4" Pipe	TN	1	1.0	1 0	184 80	185	0 00	0	40 00	40
6" Pipe	TN	1	2 0	2 0	184 80	370	0 00	0	40 00	80
10" Pipe	TN	1	9 0	9.0	138 60	1,247	0 00	0	40 00	360
Subtotal						1,802		0		480
Deaerator Steam Piping										
18" Pipe	TN	1	12 0	12 0	138 60	1,663	0 00	0	40 00	480
24" Pipe	TN	1	3 0	3 0	138 60	416	0 00	0	40 00	120
Subtotal						2,079		0		600
Turbine Gland Seal System Piping										
Less than 4" Pipe	TN	1	1 0	1 0	184 80	185	0 00	0	40 00	40
4" Pipe	TN	1	4 0	4 0	184 80	739	0 00	0	40 00	160
18" Pipe	TN	1	12 0	12 0	138 60	1,663	0 00	0	40 00	480
24" Pipe	TN	1	3 0	3 0	138 60	416	0 00	0	40 00	120
Subtotal						3,003		0		800
Vent & Drain Systems										
Boiler Vent Piping										
Less than 4" Pipe	TN	1	41 0	41 0	184 80	7,577	0 00	0	40 00	1,640
6" Pipe	TN	1	24 0	24 0	184 80	4,435	0 00	0	40 00	960
10" Pipe	TN	1	8 0	8 0	138 60	1,109	0 00	0	40 00	320
12" Pipe	TN	1	4 0	4 0	138 60	554	0 00	0	40 00	160
16" Pipe	TN	1	42 0	42 0	138 60	5,821	0 00	0	40 00	1,680
18" Pipe	TN	1	14 0	14 0	138 60	1,940	0 00	0	40 00	560
20" Pipe	TN	1	50 0	50 0	138 60	6,930	0 00	0	40 00	2,000
30" Pipe	TN	1	5 0	5 0	138 60	693	0 00	0	40 00	200
Subtotal						29,059		0		7,520
High Pressure Heater Vent & Drain System.										
6" Pipe	TN	1	7 0	7 0	184 80	1,294	0 00	0	40 00	280
Subtotal						1,294		0		280
Low Pressure Heater Vent & Drain System		1								
Less than 4" Pipe	TN	1	27 0	27 0	184 80	4,990	0 00	0	40 00	1,080
6" Pipe	TN	1	4 0	4 0	184 80	739	0 00	0	40 00	160
8" Pipe	TN	1	3 0	3 0	184 80	554	0 00	0	40 00	120
10" Pipe	TN	1	4 0	4 0	138 60	554	0 00	0	40 00	160
12" Pipe	TN	1	17.0	17 0	138 60	2,356	0 00	0	40 00	680
Subtotal						9,193		0		2,200
Steam Vent And Drain System										
Steam Vent	TN	3	6 0	18 0	184 80	3,326	0 00	0	40 00	720
Subtotal						3,326		0		720
Condensate Vent & Drain System										
Condensate Vent Pipe - 6" [& 18"]	TN	1	7 0	7.0	184 80	1,294	0 00	0	40 00	280
Subtotal						1,294		0		280
Condensate System										
Less than 4" Pipe	TN	1	11 0	11 0	184 80	2,033	0 00	0	40 00	440
6" Pipe	TN	1	32 0	32 0	184 80	5,914	0 00	0	40 00	1,280
10" Pipe	TN	1	2 0	2 0	138 60	277	0 00	0	40 00	80
14" Pipe	TN	1	4 0	4 0	138 60	554	0 00	0	40 00	160

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
16" Pipe	TN	1	59 0	59 0	138 60	8,177	0 00	0	40 00	2,360
20" Pipe	TN	1	29 0	29 0	138.60	4,019	0 00	0	40 00	1,160
24" Pipe	TN	1	2 0	2 0	138 60	277	0 00	0	40 00	80
36" Pipe	TN	1	5 0	5 0	138 60	693	0 00	0	40 00	200
Subtotal						21,944		0		5,760
Boiler Plant Piping System Insulation	CY	1	45	45 0	42 00	1,890	6 00	270	0 00	0
Low Pressure Heaters, Condensate System										
Low Pressure Heaters	TN	4	39 3	157 2	184 80	29,051	0 00	0	40 00	6,288
Subtotal						29,051		0		6,288
Deaerator & Tank, Condensate System										
Deaerator	TN	1	9 0	9 0	184 80	1,663	0 00	0	40 00	360
Steel	TN	1	6 0	6 0	184 80	1,109	0 00	0	40 00	240
Deaerator Storage Tank	TN	1	78 0	78 0	184 80	14,414	0 00	0	40 00	3,120
Steel	TN	1	8 0	8 0	184 80	1,478	0 00	0	40 00	320
Insulation & Lagging	CY	1	8 0	8 0	42 00	336	6 00	48	0 00	0
Subtotal						19,000		48		4,040
Condensate Pumps & Drives										
Condensate Pump	TN	3	8 0	24 0	184 80	4,435	0 00	0	40 00	960
Condensate Motor	TN	3	8 0	24 0	184 80	4,435	0 00	0	40 00	960
Subtotal						8,870		0		1,920
Condensate Auxiliary Systems										
Chemical Feed System Pump	TN	8	0 3	2 4	184 80	444	0 00	0	40 00	96
Subtotal						444		0		96
Chemical Feed Piping										
Less than 4" Pipe	TN	1	34 0	34 0	184 80	6,283	0 00	0	40 00	1,360
10" Pipe	TN	1	55 0	55 0	138 60	7,623	0 00	0	40 00	2,200
12" Pipe	TN	1	42 0	42 0	138 60	5,821	0 00	0	40 00	1,680
Subtotal						19,727		0		5,240
Spray Water System Piping										
6" Pipe	TN	1	5 0	5 0	184 80	924	0 00	0	40 00	200
8" Pipe	TN	1	4.0	4 0	184 80	739	0 00	0	40 00	160
12" Pipe	TN	1	6 0	6 0	138 60	832	0 00	0	40 00	240
14" Pipe	TN	1	5 0	5 0	138 60	693	0 00	0	40 00	200
Subtotal						3,188		0		800
Feedwater System										
Feedwater Piping										
12" Pipe	TN	1	3 0	3 0	138 60	416	0 00	0	40 00	120
16" Pipe	TN	1	23 0	23 0	138 60	3,188	0 00	0	40 00	920
18" Pipe	TN	1	19 0	19 0	138 60	2,633	0 00	0	40 00	760
20" Pipe	TN	1	4.0	4 0	138 60	554	0.00	0	40 00	160
28" Pipe	TN	1	11 0	11 0	138 60	1,525	0 00	0	40 00	440
Subtotal						8,316		0		2,400
High Pressure Heaters, Feedwater System										
High Pressure Heater	TN	4	55 0	220 0	184 80	40,656	0 00	0	40 00	8,800
Subtotal						40,656		0		8,800

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Feedwater Pumps & Drives, Feedwater Syste										
Feedwater Pump	TN	1	15 0	15 0	138 60	2,079	0 00	0	40 00	600
Turbine Drives	TN	2	55 5	111.0	138 60	15,385	0 00	0	40 00	4,440
Subtotal						17,464		0		5,040
Feedwater Auxiliary System										
Feedwater Minimum Flow Lines - Piping										
4" Pipe	TN	1	3 0	3 0	184 80	554	0 00	0	40.00	120
6" Pipe	TN	1	11 0	11 0	184 80	2,033	0 00	0	40.00	440
Subtotal						2,587		0		560
Feedwater System Insulation	CY	1	35 0	35 0	42 00	1,470	6 00	210	0 00	0
Lube Oil System										
Piping - Less than 4"	TN	1	6 0	6 0	184 80	1,109	0 00	0	40 00	240
Pump	TN	2	4 5	9 0	184 80	1,663	0 00	0	40 00	360
Filter	TN	2	4 0	8 0	184 80	1,478	0 00	0	40 00	320
Subtotal						4,250		0		920
Feedwater Pmp Turb Oil Sys, Lube Oil Systen										
Fdwtr Pump Turb Oil Pipe - Less than 4"	TN	1	1 0	1 0	184 80	185	0 00	0	40 00	40
Nitrogen System										
Less Than 4" Pipe	TN	1	3 0	3 0	184 80	554	0 00	0	40 00	120
10" Pipe	TN	1	2 0	2 0	138 60	277	0 00	0	40 00	80
Subtotal						831		0		200
Total Account 312						6,786,567		272,806		1,669,328
FERC Account 314										
Turbogenerator Units										
Turbine Generator System										
Foundation - Concrete	CY	1	3,435 0	3,435 0	55 20	189,612	71 00	243,885	0 00	0
Subtotal						189,612		243,885		0
Turbine Generator										
Section Casing or Shell	TN	1	815 0	815 0	105 00	85,575	0 00	0	40 00	32,600
Generator Copper	TN	1	127 6	127 6	411 60	52,520	0 00	0	1,000 00	127,600
Turbine System Insulation	CY	1	10 0	10 0	42 00	420	6 00	60	0 00	0
Subtotal						138,515		60		160,200
Turbine Drain System		1								
Less than 4" Pipe	TN	1	3 0	3 0	184 80	554	0 00	0	40 00	120
Subtotal						554		0		120
Generator Cooling & Purge System										
Generator Purge Piping - less than 4"	TN	1	41.0	41 0	184 80	7,577	0 00	0	40 00	1,640
Subtotal						7,577		0		1,640
Condensing System										
Condenser Casing	TN	1	756 0	756 0	184 80	139,709	0 00	0	40 00	30,240
Subtotal						139,709		0		30,240

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Condenser Connections Piping										
6" Pipe	TN	1	3 0	3 0	184 80	554	0 00	0	40 00	120
8" Pipe	TN	1	4 0	4 0	184 80	739	0 00	0	40 00	160
12" Pipe	TN	1	6 0	6 0	138 60	832	0 00	0	40 00	240
24" Pipe	TN	1	2 0	2 0	138 60	277	0 00	0	40 00	80
Subtotal						2,402		0		600
Vacuum System Piping										
8" Pipe	TN	1	5 0	5 0	184 80	924	0 00	0	40 00	200
10" Pipe	TN	1	7 0	7 0	138 60	970	0 00	0	40 00	280
Vacuum System Pump	TN	3	11 7	35 1	138 60	4,865	0 00	0	40 00	1,404
Vacuum System Motor	TN	3	5 2	15 6	138 60	2,162	0 00	0	40 00	624
Subtotal						8,921		0		2,508
Cooling Water Pumps & Drives										
Cooling Water Pumps	TN	2	6 5	13 0	138 60	1,802	0 00	0	40 00	520
Cooling Water Motors	TN	2	25 7	51 4	138 60	7,124	0 00	0	40 00	2,056
Foundation Concrete C W Pumps & Drives	CY	1	23 0	23 0	55 20	1,270	71 00	1,633	0 00	0
Subtotal						10,196		1,633		2,576
Cooling Tower										
Substructure Concrete - Reinf	CY	1	14,924 3	14,924 3	55 20	823,819	71 00	1,059,623	0 00	0
Concrete	CY	1	6,499 8	6,499 8	22 08	143,516	71 00	461,487	0 00	0
Subtotal						967,335		1,521,110		0
Cooling Tower Equipment										
Piping										
16" Pipe	TN	1	13 0	13 0	138 60	1,802	0 00	0	40 00	520
36" Pipe	TN	1	219 0	219 0	138 60	30,353	0 00	0	40 00	8,760
Subtotal						32,155		0		9,280
Lube Oil System										
Turbine Generator Oil Fltrng Unit	TN	1	40 0	40 0	184 80	7,392	0 00	0	40 00	1,600
Lube Oil Piping - less than 4"	TN	1	2 0	2 0	298 20	596	0 00	0	40 00	80
Lube Oil Piping - 4" Pipe	TN	1	6 0	6 0	184 80	1,109	0 00	0	40 00	240
Lube Oil Pump	TN	3	3 3	9 9	184 80	1,830	0 00	0	40 00	396
Lube Oil Piping Insulation	CY	1	20 0	20 0	42 00	840	6 00	120	0 00	0
Subtotal						11,767		120		2,316
Total Accou nt 314						1,508,743		1,766,808		209,480
FERC Account 315										
Accessory Elec Equip										
Cable										
Power/Control/Lighting Cable	TN	1	297 9	297 9	504 00	150,142	0 00	0	700 00	208,530
Raceway Conduit - Aluminum	TN	1	141 5	141 5	298 20	42,195	0 00	0	700 00	99,050
Cabletray - Aluminum	TN	1	30.5	30.5	298.20	9,095	0 00	0	700.00	21,350
Subtotal						201,432		0		328,930
Bus Eqpmnt & Suppts, Gener Bus Sys										
Bus	TN	1	9 2	9 2	138 60	1,275	0.00	0	40 00	368
Subtotal						1,275		0		368

SCHERER DISMANTLEMENT STUDY

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
A C. System - 120/208v										
Distribution Panel	TN	28	1 0	28 0	298 20	8,350	0 00	0	40 00	1,120
Distribution Switchgear	TN	4	2 5	10 0	298 20	2,982	0 00	0	40 00	400
Subtotal						11,332		0		1,520
A C System - 480v										
Motor Control Center	TN	3	2 5	7 5	184 80	1,386	0 00	0	40 00	300
Panel	TN	1	0 5	0 5	184 80	92	0 00	0	40 00	20
Switchgear	TN	3	10 0	30 0	138 60	4,158	0 00	0	40 00	1,200
Subtotal						5,636		0		1,520
Transformer System										
Transformer - Power/Lighting	TN	20	1 0	20 0	138 60	2,772	0 00	0	40 00	800
Copper	TN	1	5 6	5 6	310 80	1,740	0 00	0	1,000 00	5,600
Subtotal						4,512		0		6,400
Distribution System AC System - 277/480v										
Circuit Breaker - AC System 277/480v	TN	1	1 2	1 2	184 80	222	0 00	0	40 00	48
Switchgear - AC System 277/480v	TN	1	3 0	3 0	138 60	416	0 00	0	40 00	120
Subtotal						638		0		168
A C. System - 4kv										
Distribution Switchgear										
Transformer - Station Service	TN	2	50 4	100 8	138 60	13,971	0 00	0	40 00	4,032
Transformer Copper	TN	2	35 4	70 8	310 80	22,005	0 00	0	1,000 00	70,800
Transformer - Startup Station Service	TN	1	59 7	59 7	138 60	8,274	0 00	0	40 00	2,388
Transformer Copper	TN	1	41 6	41 6	310 80	12,929	0 00	0	1,000 00	41,600
Subtotal						57,179		0		118,820
A C System - 6 9kv										
Bus Section - Station Service Bus	TN	1	12 5	12 5	504 00	6,300	0 00	0	40 00	500
Switchgear Frame	TN	1	100 0	100 0	138 60	13,860	0 00	0	40 00	4,000
Transformer - Startup Station Service	TN	1	39 0	39 0	138 60	5,405	0 00	0	40 00	1,560
Transformer Copper	TN	1	27 0	27 0	310 80	8,392	0 00	0	1,000 00	27,000
Subtotal						33,957		0		33,060
Total Account 315						315,961		0		490,786
FERC Account 316										
Misc Plant Equip										
Central Vacuum Cleaning System										
Pump	TN	2	3 5	7 0	184 80	1,294	0 00	0	40 00	280
Less than 4" Pipe	TN	1	5 0	5 0	184 80	924	0 00	0	40 00	200
4" Pipe	TN	1	23 0	23 0	184 80	4,250	0 00	0	40 00	920
8" Pipe	TN	1	10 0	10 0	184 80	1,848	0 00	0	40 00	400
Total Account 316						8,316		0		1,800
TOTAL SCHERER UNIT 4						9,267,026		2,198,135		2,494,534
GRAND TOTAL SCHERER						14,914,676		8,570,723		2,742,555

ST. JOHNS RIVER POWER PARK

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St. Johns River Power Park

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

Unit	Year
Unit 1	2028
Unit 2	2028
Common	2028
Gypsum & Ash Handling Equipment	2028
Coal & Limestone Handling Equipment	2028

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

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

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

Florida Power & Light Company last requested and received approval for a change in dismantlement accruals for the St. Johns River Power Park Units (including Common and Gypsum and Fly Ash Handling Facilities) in Docket No. 981166-EI, Order No. PSC-00-0293-PAA-EI issued on February 14, 2000. These rates became effective as of January 1, 1999.

ST. JOHNS RIVER POWER PARK
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Removal Cost at 20%	Disposal Cost (B)	Disposal Cost at 20%	Salvage Value (C)	Salvage Value at 20%	Total (D)=(A + B - C)	FPL's 20% Portion (E)=(D) * .2
	SJRPP Common Plant								
	Production Plant								
311	Improvements to Site	1,946,371	389,274	1,601,530	320,306	219,687	43,937	3,328,214	665,643
312	Boiler Plant Equipment	1,090,460	218,092	1,402,327	280,465	16,655	3,331	2,476,132	495,226
315	Accessory Electrical Equipment	567,606	113,521	121,756	24,351	547,703	109,541	141,659	28,332
316	Misc Power Plant Equipment	24,901	4,980	0	0	6,814	1,363	18,086	3,617
	Subtotal	3,629,337	725,867	3,125,613	625,123	790,859	158,172	5,964,091	1,192,818
	Other Site Costs								
	Site Management Expenses	868,070	173,614					868,070	173,614
	Intake & Discharge Backfill	32,242	6,448					32,242	6,448
	Grading & Seeding	18,018,273	3,603,655					18,018,273	3,603,655
	Subtotal	18,918,585	3,783,717	0	0	0	0	18,918,585	3,783,717
	Total	22,547,923	4,509,585	3,125,613	625,123	790,859	158,172	24,882,677	4,976,535
	Contingency - 16%	3,607,668	721,534	500,098	100,020			4,107,766	821,553
	Total SJRPP Common Excluding Unusable M&	26,155,590	5,231,118	3,625,711	725,142	790,859	158,172	28,990,442	5,798,088
	Unusable M&S Inventory	15,000,000	3,000,000			1,500,000	300,000	13,500,000	2,700,000
	Total SJRPP Common Including Unusable M&:	41,155,590	8,231,118	3,625,711	725,142	2,290,859	458,172	42,490,442	8,498,088
	SJRPP Units 1 & 2								
311	Improvements to Site	3,460,173	692,035	2,387,898	477,580	311,614	62,323	5,536,457	1,107,291
312	Boiler Plant Equipment	13,375,809	2,675,162	2,563,936	512,787	2,764,603	552,921	13,175,142	2,635,028
314	Turbogenerator Units	6,021,485	1,204,297	4,009,932	801,986	497,934	99,587	9,533,483	1,906,697
315	Accessory Electrical Equipment	2,797,208	559,442	930,921	186,184	2,278,487	455,697	1,449,642	289,928
316	Misc Power Plant Equipment	44,976	8,995	21,960	4,392	5,286	1,057	61,650	12,330
353	Switchyard	0	0	0	0	0	0	0	0
	Subtotal	25,699,650	5,139,930	9,914,647	1,982,929	5,857,925	1,171,585	29,756,372	5,951,274
	Contingency - 16%	4,111,944	822,389	1,586,344	317,269			5,698,288	1,139,658
	Total SJRPP Units 1 & 2	29,811,594	5,962,319	11,500,991	2,300,198	5,857,925	1,171,585	35,454,660	7,090,932
	SJRPP Coal and Limestone Handling								
311	Improvements to Site	402,757	80,551	392,722	78,544	9,589	1,918	785,889	157,178
312	Boiler Plant Equipment	4,427,031	885,406	2,016,894	403,379	660,720	132,144	5,783,204	1,156,641
315	Accessory Electrical Equipment	371,774	74,355	1,874	375	100,302	20,060	273,346	54,669
	Subtotal	5,201,561	1,040,312	2,411,489	482,298	770,611	154,122	6,842,439	1,368,488
	Contingency - 16%	832,250	166,450	385,838	77,168			1,218,088	243,618
	Total SJRPP Coal and Limestone Handling	6,033,811	1,206,762	2,797,327	559,465	770,611	154,122	8,060,527	1,612,105
	SJRPP Ash and Gypsum Handling								
312	Boiler Plant Equipment	1,136,600	227,320	876,685	175,337	79,728	15,946	1,933,557	386,711
	Contingency - 16%	181,856	36,371	140,270	28,054			322,126	64,425
	Total SJRPP Ash and Gypsum Handling	1,318,456	263,691	1,016,954	203,391	79,728	15,946	2,255,682	451,136
	Total Dismantlement Costs	78,319,451	15,663,890	18,940,983	3,788,197	8,999,123	1,799,825	88,261,312	17,652,262

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	3,138,671	5,092,447	725,142	458,172	8,498,088
SJRPP Units 1 & 2	3,577,391	2,384,928	2,300,198	1,171,585	7,090,932
SJRPP Coal & Limestone Handling	724,057	482,705	559,465	154,122	1,612,105
SJRPP Gypsum & Ash Handling	158,215	105,476	203,391	15,946	451,136
Total	7,598,334	8,065,556	3,788,197	1,799,825	17,652,262

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 PGD. 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.

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 plant 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 plant depreciation study submitted in 2002 (on an information only basis), which used plant and reserve data as of December 31, 2001.

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.

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 were developed by FPL's Power Generation Division (PGD). The crew rate per man-hour is for a crew consisting of six journeymen laborers, one laborer foreman and one heavy equipment operator - a typical crew for demolition work. The rate includes the cost per man-hour of a Trojan 3500Z front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. 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 for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$25.40	X	6	=	$152.40
Foreman	$32.63	X	1	=	$32.63
Heavy Equipment Operator	$30.42	X	1	=	$30.42
Total Cost per hour of 8 man crew					$215.45
Cost per man hour		$215.45	/ 8	=	$26.93

Equipment Rate

The equipment rate is based on the following equipment:

Excavator				15,961.61
Front End Loader				5,471.12
Cutting Equipment				208.12
Total per month				$21,641
$21,641	/	176	hours per month =	122.96
Cost per man hour		$122.96	/ 8 =	$15.37
Plus: amount for small tools				0.80
Total Cost per man hour				$16.17

Equipment & Labor Summary

Labor	$26.93
Equipment	16.17
Total	$43.10
Rounded	$43.00
For Concrete demolition add $4.00 per hour additional equipment charge.	$47.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$43.00	2.50 MH / Ton	$107.50 / Ton
Heavy Steel (2)	$43.00	3.30 MH / Ton	$141.90 / Ton
General Steel	$43.00	4.40 MH / Ton	$189.20 / Ton
Light Steel	$43.00	7.10 MH / Ton	$305.30 / Ton
Concrete	$47.00	0.48 MH / CY	$22.56 / CY
Reinforced Concrete	$47.00	1.20 MH / CY	$56.40 / CY
Copper-Elect. Cable & Generator Leads	$43.00	12.00 MH / Ton	$516.00 / Ton
Copper - Generator	$43.00	9.80	$421.40 / Ton
Copper - Transformer	$43.00	7.40	$318.20 / Ton
General Insulation	$43.00	1.00 MH / CY	$43.00 / CY
Inground Pipe-Metal(3)	$43.00	6.00 MH / Ton	$258.00 / Ton
Concrete Pipe	$47.00	4.60 MH / Ton	$216.20 / 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 Nine Mile Road Landfill near SJRPP. Concrete and calcium silicated insulation are non-hazardous wastes. The tipping fee is $24/ton. The dumpster cost, including driver, is $125 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.

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	$125.00	/ haul		1 haul	=	125.00
Tipping Fees	$24.00	/ ton	X	30.5 tons	=	732.00
Total Cost per round Trip						$857.00
Cost per Cubic Yard	$857.00	/ 15.4 cubic yards =				$55.65
Plus 10% contractor profit						5.56
Total Cost per Cubic Yard						$61.21
Rounded Cost per Cubic Yard						$61.00

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.

Truck Cost	$125.00	/ haul	X	1 haul	=	125.00
Tipping Fees	$24.00	/ ton	X	2.43 tons	=	58.32
Total Cost per round Trip						$183.32
Cost per Cubic Yard	$183.32	/ 36 cubic yards =				$5.09
Plus 10% contractor profit						0.51
Total Cost per Cubic Yard						$5.60
Rounded Cost per Cubic Yard						$6.00

SALVAGE VALUE FACTORS

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

Iron & Steel	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable:	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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 $15,996.54 per month, both office and site, and contractor's expenses of $20,173.03 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	$36,170
Number of months	24
Total Site Mangement Expenses	$868,070

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 $32,242, to back-fill the discharge is $25,559. (St. Johns uses cooling towers and thus has no discharge.) The backfill cost is computed as follows:

	Cost/Unit	Quantity	Totals
Intake	$32,242	1	$32,242
Discharge	$25,559	0	$0
			$32,242

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 is $46,118 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.

St. John's Acreage to be graded and seeded	390.70
Cost Factor	$46,118
Total Grading and Seeding Expense	$18,018,273

ST. JOHNS RIVER POWER PARK

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
ST. JOHNS SITE COMMON										
FERC Account 311										
Improvements to Site										
Yard Structures										
Roads (asphalt 81,290 sy)	CY	1	4,512 00	4,512 00	22 56	101,791	61 00	275,232	0 00	0
Parking (asphalt 1,945 sy)	CY	1	107 00	107 00	22 56	2,414	61 00	6,527	0 00	0
Yard Lighting Foundations - Reinf Concrete	CY	1	253 00	253 00	56 40	14,269	61 00	15,433	0 00	0
Yard Light Poles (180) - Aluminum	TN	1	45 00	45 00	305.30	13,739	0 00	0	700 00	31,500
Railroad Crossover Walkway - Struc Steel	TN	1	12 00	12 00	141 90	1,703	0 00	0	40.00	480
RR Crossover Walkway - Handrailing, Platforms	TN	1	2 00	2 00	305 30	611	0.00	0	40 00	80
Bulk Gas Storage Foundation - Reinf Conc	CY	1	18 00	18 00	56 40	1,015	61 00	1,098	0.00	0
Bulk Gas Storage - Support Steel & Tanks	TN	1	14 67	14 67	189 20	2,776	0 00	0	40 00	587
Bulk Gas Piping, Vlvs Under 4" - Steel	TN	1	9 53	9 53	305 30	2,910	0 00	0	40 00	381
Pipe Rack Foundations - Reinforced Concrete	CY	1	525 00	525 00	56 40	29,610	61 00	32,025	0 00	0
Hydrazine Storage Tank - Steel	TN	1	4 19	4 19	189 20	793	0 00	0	40 00	168
New Lube Oil Storage Tank - Steel	TN	1	3 57	3 57	189 20	675	0 00	0	40 00	143
Used Lube Oil Storage Tank - Steel	TN	1	4 99	4 99	189 20	944	0 00	0	40 00	200
Lube Oil Storage Shed Foundation - Reinf Conc	CY	1	20 07	20 07	56 40	1,132	61 00	1,224	0 00	0
Lube Oil Storage Shed - Structural Steel	TN	1	7 00	7 00	141 90	993	0 00	0	40 00	280
Lube Oil Storage Shed - Steel Siding	TN	1	1 00	1 00	189 20	189	0 00	0	40 00	40
Sewage Treatment Plant - Steel Plate	TN	1	6 73	6 73	189 20	1,273	0 00	0	40 00	269
Sewage Treatment Plant Fndation - Reinf Conc	CY	1	44 44	44 44	56 40	2,506	61 00	2,711	0 00	0
Subtotal						179,343		334,250		34,127
Waste Water Treatment Area										
Waste Water Treatment Area - Structural Steel	TN	1	21 00	21 00	141 90	2,980	0 00	0	40.00	840
WWT Bldg Siding/ Roofing - Steel (11,400 sf)	TN	1	14 25	14 25	189 20	2,696	0 00	0	40 00	570
Waste Water Treatment Area - Misc. Steel	TN	1	24 00	24 00	305 30	7,327	0 00	0	40 00	960
WWT Area - Tank Walkway Platforms/ Ladders	TN	1	30 00	30 00	305.30	9,159	0 00	0	40.00	1,200
WWT Area/ Bldg Foundations - Reinf Concrete	CY	1	2,754 00	2,754 00	56 40	155,326	61 00	167,994	0 00	0
WWT Bldg Interior Walls - Concrete Block	CY	1	12.59	12 59	22 56	284	61 00	768	0 00	0
WWT Building - Flocpress Unit	TN	2	7 60	15 20	189 20	2,876	0 00	0	40 00	608
WWT Building - Flocpress Unit Conveyor	TN	1	2 00	2 00	189 20	378	0 00	0	40 00	80
Lime Storage Silo - Steel	TN	1	14 22	14 22	141 90	2,018	0 00	0	40 00	569
Lime Handling Equipment - Steel	TN	1	5 00	5 00	189 20	946	0 00	0	40 00	200
Reaction Tank/ Agitator - Steel	TN	2	8 92	17 84	189 20	3,375	0 00	0	40 00	714
Influent Distrib Structure/ I-beam Supports	TN	1	5 95	5 95	189 20	1,126	0 00	0	40 00	238
Reactor Clarifier Tank/ Agitator - Steel	TN	2	35 80	71 60	141 90	10,160	0 00	0	40 00	2,864
Clarifier Underflow Pump/ Motor	TN	3	1 77	5 30	189 20	1,002	0 00	0	40 00	212
Clarifier Overflow Pump/ Motor	TN	3	1 22	3 66	189 20	692	0 00	0	40 00	146
Gravity Filter Tank - Steel	TN	4	10 40	41 60	141 90	5,903	0 00	0	40 00	1,664
Sludge Thickener Tank/ Agitator - Steel	TN	2	18 09	36 18	141 90	5,134	0 00	0	40 00	1,447
Gravity Filter Blower - Steel	TN	2	2.00	4 00	189.20	757	0.00	0	40.00	160
Hydropneumatic Tank - Steel	TN	1	3 25	3 25	189 20	615	0 00	0	40 00	130
Backwash Waste Pump/ Motor	TN	3	1 47	4 40	189 20	833	0 00	0	40 00	176
Thickener Underflow Pump/ Motor	TN	3	1 33	3 99	189 20	755	0 00	0	40 00	160
Flocpress Tank/ Pump System (skid-mounted)	TN	2	4 00	8 00	189 20	1,514	0 00	0	40 00	320
Concentrated Sulfuric Acid Strg Tank - Steel	TN	1	7 03	7.03	189.20	1,330	0.00	0	40.00	281
Caustic Storage Tank - Steel	TN	1	5 12	5 12	189 20	969	0 00	0	40 00	205
pH Attenuation/ Adjustment Tank - Reinf Conc	CY	1	45 77	45 77	56 40	2,581	61 00	2,792	0 00	0
pH Attenuation/ Adjustment Tank Agitators	TN	1	1 00	1 00	305 30	305	0 00	0	40 00	40
Final Effluent Discharge Pump/ Motor	TN	2	1 22	2 44	189 20	462	0 00	0	40 00	98
Caustic Tank/ Pump System (skid-mounted)	TN	1	2 00	2 00	189.20	378	0 00	0	40 00	80
Acid Tank/ Pump System (skid-mounted)	TN	1	2 00	2 00	189 20	378	0 00	0	40 00	80
Waste Wtr Pumping Station Fndtns - Reinf Conc	CY	1	772 00	772 00	56 40	43,541	61 00	47,092	0 00	0

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
Fiberglass-reinforced Piping (FRP)	CY	1	3 43	3 43	22 56	77	61 00	209	0 00	0
Piping, Valves Under 4" - Steel	TN	1	3 06	3 06	305 30	934	0 00	0	40 00	122
Subtotal						266,812		218,855		14,164
Yard Fire Protection System										
Motor-driven Firepump 350 hp	TN	1	3 00	3 00	189 20	568	0 00	0	40 00	120
Engine-driven Firepump 400 hp Cummins	TN	1	3 25	3 25	189 20	615	0 00	0	40 00	130
Firepump Building Foundation - Reinf Concrete	CY	1	14 88	14 88	56 40	839	61 00	908	0.00	0
Firepump Bldg Walls & Roof - Reinf Concrete	CY	1	34 93	34 93	56 40	1,970	61 00	2,131	0 00	0
Piping, Valves Over 8" - Steel	TN	1	4 86	4 86	141 90	689	0 00	0	40 00	194
Subtotal						4,681		3,038		444
Domestic Water System										
Potable Water Pump/ Motor (Peerless)	TN	2	1 00	2 00	189 20	378	0 00	0	40 00	80
Piping, Valves Under 4" - Steel	TN	1	9 23	9 23	305 30	2,819	0 00	0	40 00	369
Piping, Valves 4" to 8" - Steel	TN	1	31 53	31 53	189 20	5,965	0 00	0	40 00	1,261
Piping, Valves Over 8" - Steel	TN	1	1 49	1 49	141 90	211	0 00	0	40 00	59
Subtotal						9,373		0		1,770
Water Treatment System Area										
Well Water Pump/ Motor/ Accessories	TN	3	5 00	15 00	189 20	2,838	0 00	0	40 00	600
Service Water Pump/ Motor	TN	5	3 22	16 09	189 20	3,044	0 00	0	40 00	644
Carbon Filter Tank - Steel	TN	3	7 70	23 10	189 20	4,371	0 00	0	40 00	924
Weak Cation Exchange Tank - Steel	TN	2	4 50	9 00	189 20	1,703	0 00	0	40 00	360
Strong Cation Exchange Tank - Steel	TN	2	5 18	10 36	189 20	1,960	0 00	0	40 00	414
Weak Anion Exchange Tank - Steel	TN	2	4 60	9 20	189 20	1,741	0 00	0	40 00	368
Strong Anion Exchange Tank - Steel	TN	2	5 40	10 80	189 20	2,043	0 00	0	40 00	432
Mixed Bed Exchange Tank - Steel	TN	2	3 40	6 80	189 20	1,287	0 00	0	40 00	272
Degassifier Storage Tank - Steel	TN	2	4 64	9 27	189 20	1,754	0 00	0	40 00	371
Well Water Storage Tank - Steel	TN	2	96 38	192 75	189 20	36,468	0 00	0	40 00	7,710
Well Wtr Storage Tank Foundation - Reinf Conc	CY	1	108 00	216 00	56 40	12,182	61 00	13,176	0 00	0
Waste Water Neutralization Tank - Steel	TN	2	14 27	28 54	141.90	4,049	0 00	0	40 00	1,141
Waste Wtr Neutr Tank Foundation - Reinf Conc	CY	1	57 00	114 00	56 40	6,430	61 00	6,954	0 00	0
Caustic Storage Tank - Steel	TN	1	7 76	7 76	189 20	1,468	0 00	0	40 00	310
Acid Storage Tank - Steel	TN	1	6 71	6 71	189 20	1,269	0 00	0	40 00	268
Dilution Water Heater - Steel	TN	1	9 65	9 65	189 20	1,826	0 00	0	40 00	386
Sodium Hypochloride Storage Tank - Steel	TN	1	3 99	3 99	189 20	754	0 00	0	40 00	160
Storage Tank - Steel (unmarked)	TN	1	5 00	5 00	189 20	946	0 00	0	40 00	200
Well Water Aerator w/ Fans (aluminum)	TN	2	6 25	12 50	189 20	2,365	0 00	0	40 00	500
Well Water Aerator Platform - Struc Steel	TN	1	35 00	35 00	141 90	4,967	0.00	0	40 00	1,400
Aerator Platform - Stairs, Railing, Platforms	TN	1	6 75	6 75	305 30	2,061	0 00	0	40 00	270
Aerator Platform Foundation - Reinf Concrete	CY	1	42.00	42 00	56 40	2,369	61 00	2,562	0.00	0
Pipe Supports - Steel	TN	1	15 00	15 00	189 20	2,838	0.00	0	40 00	600
Pipe Support Foundations - Reinf Concrete	CY	1	30.00	30 00	56 40	1,692	61.00	1,830	0 00	0
Water Treatment Bldg Foundation - Reinf Conc	CY	1	124 07	124 07	56 40	6,998	61 00	7,568	0 00	0
Water Treatment Bldg Roof - Reinf Concrete	CY	1	92 59	92 59	56 40	5,222	61 00	5,648	0 00	0
Water Treatment Bldg Walls - Concrete Block	CY	1	107 20	107 20	22 56	2,418	61 00	6,539	0 00	0
Water Treatment Building - HVAC	TN	1	1.00	1 00	189.20	189	0 00	0	40 00	40
Water Treatment Control Console (indoor)	TN	1	2 00	2.00	189 20	378	0 00	0	40 00	80
Piping, Valves Under 4" - Steel	TN	1	31 27	31 27	305 30	9,548	0 00	0	40 00	1,251
Piping, Valves 4" to 8" - Steel	TN	1	56 92	56 92	189 20	10,770	0 00	0	40 00	2,277
Piping, Valves Over 8" - Steel	TN	1	101 49	101 49	141 90	14,401	0.00	0	40 00	4,059
Subtotal						152,348		44,277		25,038
Cooling Tower Make-up Area - JEA Northside Station										

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
Make-up Structure & Flume - Reinf Concrete	CY	1	1,163 00	1,163 00	56.40	65,593	61 00	70,943	0 00	0
Support Steel	TN	1	15 00	15.00	189.20	2,838	0 00	0	40 00	600
Miscellaneous Steel	TN	1	2.50	2.50	305.30	763	0.00	0	40.00	100
Make-up Pump/ Motor	TN	3	8.21	24 64	189.20	4,661	0 00	0	40 00	986
Rotary Strainer w/ Motor	TN	2	35 00	70.00	141 90	9,933	0 00	0	40.00	2,800
ChlorMaster Control Console	TN	1	1.50	1 50	189 20	284	0.00	0	40 00	60
Chlorine Generator (skid-mounted)	TN	4	2 97	11 88	189 20	2,248	0 00	0	40 00	475
Miscellaneous Pumps and Equipment	TN	1	1.50	1.50	305.30	458	0.00	0	40.00	60
FRP Piping - 48" Make-up & 42" Blowdown	CY	1	657 06	657.06	22.56	14,823	61.00	40,081	0.00	0
Subtotal						101,607		111,024		5,081
Cooling Tower Electrical Building										
Foundation - Reinforced Concrete	CY	1	2,829 00	2,829 00	56.40	159,556	61 00	172,569	0 00	0
Roof - Reinforced Concrete	CY	1	11 11	11 11	56 40	627	61 00	678	0 00	0
Walls - Concrete Block	CY	1	28 59	28 59	22 56	644	61.00	1,744	0.00	0
HVAC	TN	1	1 50	1 50	189.20	284	0 00	0	40.00	60
Subtotal						161,111		174,991		60
Cooling Tower Chlorination System										
Foundation - Reinforced Concrete	CY	1	185.00	185 00	56 40	10,434	61 00	11,285	0.00	0
Sulfuric Acid Tank - Steel	TN	1	6 71	6.71	189 20	1,269	0.00	0	40.00	268
Miscellaneous Pumps and Equipment	TN	1	2 00	2 00	305.30	611	0 00	0	40.00	80
Subtotal						12,313		11,285		348
Station Structure Buildings/ Yard Area Piping										
Structural Steel	TN	1	1,779.00	1,779 00	141 90	252,440	0 00	0	40 00	71,160
Miscellaneous Steel	TN	1	3.00	3 00	305 30	916	0 00	0	40 00	120
Grating - Steel (445 sf)	TN	1	2 40	2 40	305 30	734	0 00	0	40 00	96
Checkerplate - Steel (139 sf)	TN	1	1.04	1 04	305 30	318	0 00	0	40 00	42
Handrailing - Steel (188 lf)	TN	1	1 00	1 00	305 30	305	0 00	0	40 00	40
Ladders/ Stairs - Steel	TN	1	19 00	19 00	305.30	5,801	0 00	0	40 00	760
Footings, Columns & Piers - Reinf Concrete	CY	1	1,007 00	1,007.00	56 40	56,795	61 00	61,427	0 00	0
Grade Floors - Reinforced Concrete	CY	1	2,694 00	2,694.00	56.40	151,942	61 00	164,334	0 00	0
Walls - Concrete Block (180,310 sf)	CY	1	2,982 90	2,982 90	22 56	67,294	61 00	181,957	0.00	0
Floor Slabs - Reinforced Concrete	CY	1	2,672 00	2,672.00	56 40	150,701	61.00	162,992	0.00	0
Misc. Foundations - Reinforced Concrete	CY	1	958 00	958.00	56 40	54,031	61.00	58,438	0.00	0
Steel Siding/ Roofing (36,285 sf)	TN	1	49.89	49 89	189 20	9,440	0 00	0	40 00	1,996
Built-up Roofing (52,500 sf)	CY	1	37 22	37.22	22.56	840	61.00	2,270	0.00	0
Steel Roof Decking (5,700 sf)	TN	1	8 55	8 55	305.30	2,610	0.00	0	40.00	342
HVAC Ductwork - Steel	TN	1	59.95	59.95	189.20	11,343	0.00	0	40 00	2,398
HVAC Piping - Steel	TN	1	800.00	800.00	141.90	113,520	0.00	0	40.00	32,000
Svc Bldg Cranes & I-beam Supports (total)	TN	1	20.00	20.00	189.20	3,784	0.00	0	40.00	800
100-ton Gantry Crane	TN	1	140.00	140.00	141.90	19,866	0.00	0	40.00	5,600
Gantry Crane Rail (135#/yd @ 1,020 lf)	TN	1	22.95	22.95	305.30	7,007	0.00	0	40.00	918
AQCS Building Elevator	TN	1	8.20	8 20	141.90	1,164	0.00	0	40 00	328
Copper Tubing	TN	1	1 47	1 47	305.30	449	0.00	0	1,000.00	1,471
Piping, Valves Under 4" - Steel	TN	1	1 62	1 62	305.30	495	0 00	0	40.00	65
Piping, Valves 4" to 8" - Steel	TN	1	3.23	3.23	189.20	610	0.00	0	40.00	129
Piping, Valves Under 4" - Cast Iron	TN	1	9.18	9.18	305.30	2,803	0.00	0	40.00	367
Piping, Valves 4" to 8" - Cast Iron	TN	1	39.48	39 48	189.20	7,469	0.00	0	40.00	1,579
Piping, Valves Over 8" - Cast Iron	TN	1	4 12	4 12	141 90	584	0 00	0	40.00	165
Piping, Valves - Cast Iron (underground)	TN	1	21.40	21.40	210.00	4,494	0.00	0	40.00	856
Oily Waste Piping, Vlvs 4" to 8" - Cast Iron	TN	1	3.26	3 26	189.20	617	0.00	0	40.00	130
PVC Piping (above ground)	CY	1	15.60	15 60	22.56	352	61.00	952	0 00	0
PVC Piping (below grade)	CY	1	17.32	17.32	22 56	391	61.00	1,057	0 00	0

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
Fiberglass-reinforced Piping (FRP)	CY	1	116 82	116 82	22.56	2,635	61.00	7,126	0 00	0
Subtotal						931,750		640,552		121,362
Warehouse Structures										
Foundations - Reinforced Concrete	CY	1	1,037.00	1,037.00	56 40	58,487	61 00	63,257	0.00	0
Structural Steel	TN	1	280 00	280.00	141.90	39,732	0.00	0	40 00	11,200
Siding/ Roofing - Steel	TN	1	139.32	139.32	189.20	26,359	0.00	0	40.00	5,573
HVAC Equipment & Ducting	TN	1	13 00	13.00	189.20	2,460	0.00	0	40 00	520
Subtotal						127,036		63,257		17,293
Total Account 311						1,946,371		1,601,530		219,687
FERC Account 312										
Boiler Plant Service Equipment										
Auxillary Boiler System										
Boiler	TN	2	53 21	106.42	141.90	15,101	0 00	0	40.00	4,257
Economizer	TN	2	7.66	15 33	189 20	2,899	0.00	0	40 00	613
Forced Draft Fan/ Motor	TN	2	2.96	5 93	189.20	1,121	0 00	0	40 00	237
Flues, Ductwork & Stack	TN	1	31 61	31.61	189 20	5,981	0 00	0	40 00	1,264
Deaerator & Boiler Feed Pump Package	TN	1	17.75	17.75	189 20	3,358	0 00	0	40 00	710
Miscellaneous Steel	TN	1	11.25	11.25	305.30	3,433	0 00	0	40.00	450
Piping, Valves 4" to 8" - Steel	TN	1	3.06	3 06	305.30	935	0 00	0	40.00	123
Subtotal						32,829		0		7,654
Chimney										
Foundation - Reinforced Concrete	CY	1	6,795.00	6,795 00	56 40	383,238	61 00	414,495	0 00	0
Structure - Reinforced Concrete	CY	1	6,394 00	6,394 00	56.40	360,622	61 00	390,034	0.00	0
Floor Slabs - Reinforced Concrete	CY	1	60 00	60 00	56 40	3,384	61 00	3,660	0 00	0
Brick Liner	CY	2	4,759.40	9,518.80	22.56	214,744	61.00	580,647	0 00	0
Ladders - Steel (625 lf)	TN	1	8 25	8 25	305.30	2,519	0 00	0	40.00	330
Platforms - Steel (3,840 sf)	TN	1	20.74	20 74	305 30	6,331	0.00	0	40.00	829
Roof Deck - Steel (2,601 sf)	TN	1	3 90	3.90	305 30	1,191	0 00	0	40 00	156
Subtotal						972,028		1,388,836		1,316
Light Oil Service										
Light Oil Storage Tank - Steel	TN	1	73 05	73 05	141 90	10,366	0 00	0	40 00	2,922
Light Oil Storage Tank - Demolition	TN	1	73 00	73 00	n/a	12,500	0 00	0	40 00	2,920
Tank/ Pump Foundations - Reinforced Concrete	CY	1	164 00	164 00	n/a	25,883	61 00	10,004	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	22 56	1,290	61 00	3,487	0.00	0
Miscellaneous Pumps/ Motors	TN	1	1 50	1.50	305 30	453	0 00	0	40 00	60
Miscellaneous Steel/ Walkways	TN	1	4 00	4.00	305.30	1,221	0 00	0	40.00	160
Piping, Valves Under 4" - Steel	TN	1	22 25	22.25	305.30	6,793	0 00	0	40.00	890
Piping, Valves 4" to 8" - Steel	TN	1	18 35	18.35	189.20	3,473	0 00	0	40.00	734
Clean Light Oil Strg Tank	EA	1	n/a	n/a	n/a	13,000	0 00	0	0.00	0
Subtotal						85,603		13,491		7,686
Total Account 312						1,090,460		1,402,327		16,655
FERC Account 315										
Accessory Electrical Equipment										
Power Conversion Equipmemt										
Start-up Transformer Shell, Tank, Fittings	TN	2	33.31	66.62	141.90	9,453	0.00	0	40 00	2,665
Start-up Transformer Copper	TN	1	81.69	81 69	318.20	25,992	0:00	0	1,000.00	81,685
Start-up Transformer Foundation - Reinf Conc	CY	1	324 00	324 00	56 40	18,274	61.00	19,764	0.00	0

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Chem Treatment Area - Station Svc Transformer	TN	2	1 00	2 00	189 20	378	0 00	0	40 00	80
Chemical Treatment Area - Transformer Copper	TN	2	1 22	2 44	318 20	776	0 00	0	1,000 00	2,440
480V Power Control Centers (total)	TN	1	31 92	31 92	189 20	6,039	0 00	0	40 00	1,277
480V Motor Control Center	TN	10	2 40	24 00	189 20	4,541	0 00	0	40 00	960
Cooling Tower Chlor System - AC/DC Rectifier	TN	2	12 50	25 00	141 90	3,548	0 00	0	40 00	1,000
JEA Northside - Station Service Transformer	TN	2	1 00	2 00	189 20	378	0 00	0	40 00	80
JEA Northside - Transformer Copper	TN	1	2 48	2 48	318 20	789	0 00	0	1,000 00	2,480
JEA Northside - AC/DC Rectifier	TN	1	12 50	12 50	141 90	1,774	0 00	0	40 00	500
JEA Northside - Gould 480V Switchgear	TN	1	3 00	3 00	189 20	568	0 00	0	40 00	120
Emergency Diesel Generator - Plant	TN	1	69 64	69 64	141 90	9,882	0 00	0	40 00	2,786
Emerg Dsl Gen Fuel Tank Fndation - Reinf Conc	CY	1	17 00	17 00	56 40	959	61 00	1,037	0 00	0
Emergency Diesel Generator - FGDS	TN	1	21 80	21 80	141 90	3,093	0 00	0	40 00	872
Conduit - Steel	TN	1	122 66	122 66	305 30	37,447	0 00	0	40 00	4,906
Cable Tray - Steel	TN	1	76 47	76 47	305 30	23,345	0 00	0	40 00	3,059
Cable Tray Support Steel	TN	1	26 70	26 70	189 20	5,052	0 00	0	40 00	1,068
Insulated Copper Wiring	TN	1	607 53	607 53	516 00	313,487	0 00	0	700 00	425,273
Bare Copper Wiring	TN	1	16 45	16 45	516 00	8,490	0 00	0	1,000 00	16,453
Conduit Ductbank - Reinforced Concrete	CY	1	1,655 00	1,655 00	56 40	93,342	61 00	100,955	0 00	0
Total Account 315						567,606		121,756		547,703
FERC Account 316										
Miscellaneous Power Plant Equipment										
Personnel Elevator	TN	1	6 36	6 36	189 20	1,203	0 00	0	40 00	254
Freight Elevator	TN	1	9 00	9 00	189 20	1,703	0 00	0	40 00	360
Elevator Framing - Steel	TN	1	155 00	155 00	141 90	21,995	0 00	0	40 00	6,200
Total Account 316						24,901		0		6,814
TOTAL SITE COMMON						3,629,337		3,125,613		790,859
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	141 90	199,370	0 00	0	40 00	56,200
Above Ground Pipe Rack Fndtions - Reinf Conc	CY	1	4,196 00	4,196 00	56 40	236,654	61 00	255,956	0 00	0
Pipe Sleepers - Structural Steel	TN	1	30 00	30 00	141 90	4,257	0 00	0	40 00	1,200
Pipe Sleeper Foundations - Reinf Concrete	CY	1	461 00	461 00	56 40	26,000	61 00	28,121	0 00	0
Subtotal						466,281		284,077		57,400
Station Structures										
Turbine Gen Bldg Columns, Footings, Piers	CY	1	7,216 00	7,216 00	56 40	406,982	61 00	440,176	0 00	0
Turbine Gen Bldg Foundation Wall & Trench	CY	1	100 00	100 00	56 40	5,640	61 00	6,100	0 00	0
Turbine Gen Bldg Misc Fndations - Reinf Conc	CY	1	726 00	726 00	56 40	40,946	61 00	44,286	0 00	0
Turbine Gen Bldg Grade Floor - Reinf Concrete	CY	1	1,934 00	1,934 00	56 40	109,078	61 00	117,974	0 00	0
Turbine Gen Bldg Floor Slabs - Reinf Concrete	CY	1	2,567 00	2,567 00	56 40	144,779	61 00	156,587	0 00	0
Turbine Generator Bldg - Structural Steel	TN	1	3,926 00	3,926 00	141 90	557,099	0 00	0	40 00	157,040
Turbine Gen Bldg - Deck Grating (25,070 sf)	TN	1	135 38	135 38	305 30	41,331	0 00	0	40 00	5,415
Turbine Gen Bldg - Handrails (1,960 lf)	TN	1	9.80	9 80	305 30	2,992	0 00	0	40 00	392
Turbine Generator Bldg - Ladders & Stairs	TN	1	110 00	110.00	305 30	33,583	0 00	0	40 00	4,400
Turbine Gen Bldg - Checkerplate (63,502 sf)	TN	1	476 27	476 27	305 30	145,404	0 00	0	40 00	19,051
Turbine Gen Bldg - Concrete Block (27,144 sf)	CY	1	449 00	449 00	22 56	10,129	61 00	27,389	0 00	0
T-G Bldg - Steel Siding (167,687 sf)	TN	1	209 61	209 61	189 20	39,658	0 00	0	40 00	8,384
T-G Bldg - Built-up Roofing (63,700 sf)	CY	1	45 15	45 15	22 56	1,019	61 00	2,754	0 00	0
Turbine Generator Building - HVAC Ductwork	TN	1	93 01	93 01	189 20	17,597	0 00	0	40 00	3,720
Turbine Generator uilding - HVAC Piping	TN	1	60 00	60 00	189 20	11,352	0 00	0	40 00	2,400

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Blr Area Columns,Footings,Piers - Reinf Conc	CY	1	1,111 00	1,111 00	56 40	62,660	61 00	67,771	0 00	0
Boiler Area Foundations - Reinforced Concrete	CY	1	15,492 00	15,492 00	56 40	873,749	61 00	945,012	0 00	0
Boiler Area Fndtn Wall & Trench - Reinf Conc	CY	1	51 00	51 00	56 40	2,876	61 00	3,111	0 00	0
Boiler Area Misc Foundations - Reinf Conc	CY	1	711 00	711 00	56 40	40,100	61 00	43,371	0 00	0
Boiler Area Ash Hopper Fndation -Reinf Conc	CY	1	540 00	540 00	56 40	30,456	61 00	32,940	0 00	0
Boiler Area Grade Floor - Reinforced Concrete	CY	1	1,311 00	1,311 00	56 40	73,940	61 00	79,971	0 00	0
Boiler Area Suspended Floor - Reinf Concrete	CY	1	752 00	752 00	56 40	42,413	61 00	45,872	0 00	0
Boiler Area Column Encasement - Reinf Conc	CY	1	350.00	350 00	56.40	19,740	61.00	21,350	0 00	0
Boiler Area Walls - Concrete Block(18,290 sf)	CY	1	302 58	302 58	22 56	6,826	61 00	18,457	0 00	0
Boiler Area - Steel Siding (98,790 sf)	TN	1	123 49	123 49	189 20	23,364	0 00	0	40 00	4,940
Boiler Area - Built-up Roofing (40,190 sf)	CY	1	28 49	28 49	22 56	643	61 00	1,738	0 00	0
Boiler Area - Roof Plating (37,400 sf)	TN	1	56 10	56 10	305 30	17,127	0 00	0	40 00	2,244
Boiler Area - HVAC Ductwork	TN	1	208 95	208 95	189 20	39,533	0 00	0	40 00	8,358
Boiler Area - Deck Grating (700 sf)	TN	1	3 78	3 78	305 30	1,154	0 00	0	40 00	151
Boiler Area - Checkerplate (450 sf)	TN	1	3 38	3 38	305 30	1,030	0 00	0	40 00	135
Boiler Area - Miscellaneous Steel	TN	1	60 00	60 00	305 30	18,318	0 00	0	40 00	2,400
Heater Bay - Structural Steel	TN	1	650 00	650 00	141 90	92,235	0 00	0	40 00	26,000
FD/ID Fan Building Foundations - Reinf Conc	CY	1	279 16	279 16	56 40	15,745	61 00	17,029	0 00	0
FD/ID Fan Buildings Roofs - Reinf Concrete	CY	1	279 16	279 16	56 40	15,745	61 00	17,029	0 00	0
FD/ID Fan Bldgs - Concrete Block Walls	CY	1	242 30	242 30	22 56	5,466	61 00	14,780	0 00	0
FD/ID Fan Bldgs - Structural Steel	TN	1	30 00	30 00	141 90	4,257	0 00	0	40 00	1,200
FD/ID Fan Bldgs - Ladders/ Guardrailing	TN	1	4 00	4 00	305 30	1,221	0 00	0	40 00	160
FD/ID Fan Bldgs - HVAC & Ducting	TN	1	31 70	31 70	189 20	5,998	0 00	0	40 00	1,268
Fiberglass-reinforced Piping (FRP)	TN	1	2 03	2 03	56 40	114	61 00	124	0 00	0
Piping, Valves Under 4" - Steel	TN	1	4 12	4 12	305 30	1,259	0 00	0	40 00	165
Piping, Valves 4" to 8" - Steel	TN	1	9 61	9 61	189 20	1,818	0 00	0	40 00	384
Piping, Valves Under 4" - Cast Iron	TN	1	17 19	17 19	305 30	5,248	0 00	0	40 00	688
Piping, Valves 4" to 8"- Cast Iron	TN	1	74 01	74 01	189 20	14,004	0 00	0	40 00	2,961
Piping, Valves Over 8" - Cast Iron	TN	1	51 23	51 23	141 90	7,270	0 00	0	40 00	2,049
Piping (underground) - Cast Iron	TN	1	7 72	7 72	258 00	1,992	0 00	0	40 00	309
Subtotal						2,993,891		2,103,821		254,214
Total Account 311						3,460,173		2,387,898		311,614
FERC Account 312										
Boiler Plant Service Equipment										
Boiler Plant Equipment										
Boiler Structural Steel	TN	1	7,414 00	7,414 00	141 90	1,052,047	0 00	0	40 00	296,560
Boiler Top Steel	TN	1	3,300 00	3,300 00	141 90	468,270	0 00	0	40 00	132,000
Grating, Checkerplate, Handrailing	TN	1	836 00	836 00	305 30	255,231	0 00	0	40 00	33,440
Buckstays	TN	1	917 10	917 10	305 30	279,991	0 00	0	40 00	36,684
Flues & Ducts	TN	1	1,809 08	1,809 08	189 20	342,278	0 00	0	40 00	72,363
APH Support Steel	TN	1	1,094 00	1,094 00	189 20	206,985	0 00	0	40.00	43,760
Coal Conduit - Steel	TN	1	1,008 00	1,008 00	189 20	190,714	0 00	0	40 00	40,320
Steam Generation Unit - including										
Steam Drum (Drum, Internals, Supports)	TN	2	443 55	887 10	141 90	125,879	0 00	0	40 00	35,484
Burner Area	TN	1	879 00	879 00	141 90	124,730	0 00	0	40.00	35,160
Penthouse Area	TN	1	434 00	434 00	141 90	61,585	0 00	0	40 00	17,360
Heat Recovery Area	TN	1	2,935.00	2,935 00	141.90	416,477	0 00	0	40.00	117,400
Hopper Area	TN	1	1,921 00	1,921 00	141 90	272,590	0 00	0	40 00	76,840
Water Walls/ Headers	TN	1	2,056 00	2,056 00	141 90	291,746	0.00	0	40 00	82,240
Downcomers	TN	1	858 00	858 00	141 90	121,750	0 00	0	40 00	34,320
Air Preheater/ Steam Coil Heater	TN	2	1,455 00	2,910 00	141 90	412,929	0 00	0	40 00	116,400
Superheater	TN	2	294 00	588 00	141 90	83,437	0 00	0	40 00	23,520
Reheater	TN	2	1,102 50	2,205 00	141 90	312,890	0 00	0	40 00	88,200

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Economizer	TN	2	492 20	984 40	141 90	139,686	0 00	0	40 00	39,376
Dampers	TN	1	440 54	440 54	141 90	62,513	0 00	0	40 00	17,622
Speed Reducers	TN	1	295 00	295 00	189 20	55,814	0.00	0	40.00	11,800
Steam Sampling System	TN	2	1 50	3 00	189 20	568	0 00	0	40 00	120
Blr Setting Insulation	CY	1	8,148 00	8,148 00	43 00	350,364	6 00	48,888	0 00	0
Soot Blower	TN	116	1 88	217 50	189 20	41,151	0 00	0	40 00	8,700
Soot Blower Supports	TN	1	40 00	40 00	189.20	7,568	0 00	0	40 00	1,600
Safety/ Relief Valves & Silencers	TN	1	21 00	21 00	189 20	3,973	0 00	0	40 00	840
Instrument Air Compressor/ Coolers	TN	4	11 15	44 60	141 90	6,329	0 00	0	40 00	1,784
Instrument Air Compressor Motor	TN	4	6 16	24 64	189 20	4,661	0 00	0	40 00	985
Instrument Air Dryer	TN	2	1 65	3 30	189 20	624	0 00	0	40 00	132
Instrument Air Receiver	TN	2	3 85	7 70	189.20	1,457	0 00	0	40 00	308
Instrument Air Piping, Vlvs Under 4" - Steel	TN	1	154 41	154 41	305 30	47,141	0 00	0	40 00	6,176
Instrument Air Piping, Vlvs 4" to 8" - Steel	TN	1	5 82	5 82	189 20	1,102	0 00	0	40 00	233
Instrument Air Piping, Valves Over 8" - Steel	TN	1	2 98	2 98	141 90	423	0 00	0	40 00	119
Instr Air Compressor Foundations - Reinf Conc	CY	1	360 00	360 00	56 40	20,304	61 00	21,960	0 00	0
F/D & Primary Air Fans, Blowers & Accessories	TN	2	452 50	905 00	141 90	128,420	0 00	0	40 00	36,200
Forced Draft/ Prmry Air Fan Fndtns - Rnf Conc	CY	1	1,772 00	1,772 00	56 40	99,941	61 00	108,092	0 00	0
HVAC Ductwork	TN	1	165 60	165 60	189 20	31,332	0 00	0	40 00	6,624
Subtotal						6,022,897		178,940		1,414,671
Boiler Plant Auxiliaries										
Feed Water System										
#1 Feedwater Heater - HP	TN	2	139.25	278 50	141 90	39,519	0.00	0	40 00	11,140
#2 Feedwater Heater - HP	TN	2	133 40	266 80	141 90	37,859	0 00	0	40 00	10,672
#3 Feedwater Heater - IP	TN	2	39 35	78 70	141.90	11,168	0 00	0	40 00	3,148
#4 Feedwater Deaerator Heater	TN	2	85 12	170 24	141 90	24,157	0 00	0	40 00	6,810
#5 Feedwater Heater - LP	TN	2	21 30	42 60	141 90	6,045	0 00	0	40 00	1,704
#6 Feedwater Heater - LP	TN	2	28 70	57 40	141 90	8,145	0 00	0	40 00	2,296
#7 Feedwater Heater A&B - LP	TN	2	41 70	83 40	141 90	11,834	0 00	0	40 00	3,336
#8 Feedwater Heater A&B - LP	TN	2	26 00	52 00	141 90	7,379	0 00	0	40 00	2,080
Boiler Feed Pump/ Baseplate	TN	4	21 50	86 00	141 90	12,203	0 00	0	40 00	3,440
Boiler Feed Pump Turbine	TN	4	53 50	214 00	141 90	30,367	0.00	0	40 00	8,560
Turbine Control Console	TN	4	2 25	9 00	189 20	1,703	0 00	0	40 00	360
Turbine L/O System Tank, HP Vlv, Cooler, etc	TN	4	8 09	32 34	189 20	6,119	0 00	0	40 00	1,294
Turbine LP Stop Valve	TN	4	7 70	30 80	189 20	5,827	0 00	0	40 00	1,232
Boiler Feed Pump/ Trbn Pedestal - Reinf Conc	CY	1	1,706 00	1,706 00	56 40	96,218	61 00	104,066	0 00	0
Boiler Feed Booster Pump/ Speed Changer	TN	4	5 45	21 80	189 20	4,125	0 00	0	40.00	872
Heater Drain Pump	TN	2	6 89	13 78	189 20	2,607	0 00	0	40 00	551
Heater Drain Pump Motor	TN	2	2 50	4 99	189 20	944	0 00	0	40 00	200
LP Heater Drain Tank - Steel	TN	2	6 66	13 32	189 20	2,520	0 00	0	40 00	533
Steam Coil Air Heater Drain Tank	TN	2	1 80	3 60	189 20	681	0 00	0	40 00	144
Boiler Cold Fill Pump w/ Motor	TN	2	3 06	6 13	189 20	1,159	0 00	0	40 00	245
Condensate Storage Tank - Steel	TN	2	81 60	163.20	141 90	23,158	0 00	0	40 00	6,528
Condensate Strg Tank Foundation - Reinf Conc	CY	1	216 00	216 00	56 40	12,182	61 00	13,176	0 00	0
Steam & Water Sample Analysis Cabinet - Steel	TN	2	3 40	6 80	189 20	1,287	0 00	0	40 00	272
Steam & Wtr Sample Analysis Monitoring Board	TN	2	1 90	3 80	189 20	719	0 00	0	40 00	152
Hydrazine System - tanks, pumps, skid (steel)	TN	2	2.50	5 00	189.20	946	0 00	0	40 00	200
Ammonia System - tanks, pumps, skid (steel)	TN	2	2 50	5 00	189.20	946	0 00	0	40 00	200
Phosphate System - tanks, pumps, skid (steel)	TN	2	2 75	5 50	189 20	1,041	0 00	0	40 00	220
Ammonium Hydroxide Storage Tank - Steel	TN	2	2 75	5.50	189 20	1,041	0 00	0	40 00	220
Piping, Vlvs Under 4" - Steel	TN	1	10 92	10 92	305 30	3,335	0 00	0	40 00	437
Piping, Vlvs 4" to 8" - Steel	TN	1	47 75	47 75	189 20	9,034	0 00	0	40 00	1,910
Piping, Vlvs Over 8" - Steel	TN	1	246 54	246 54	141 90	34,984	0 00	0	40 00	9,862
System Insulation	CY	1	91 39	91.39	43 00	3,930	6 00	548	0.00	0

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Subtotal						403,182		117,790		78,616
Boiler Plant Piping - All Systems										
Piping, Vlvs Under 4" - Steel	TN	1	115 82	115 82	305 30	35,359	0 00	0	40 00	4,633
Piping, Vlvs 4" to 8" - Steel	TN	1	159 23	159 23	189 20	30,127	0 00	0	40 00	6,369
Piping, Vlvs Over 8" - Steel	TN	1	1,047 09	1,047 09	141 90	148,582	0 00	0	40 00	41,884
System Insulation	CY	1	103 94	103 94	43 00	4,469	6 00	624	0 00	0
Subtotal						218,537		624		52,886
Induced Draft Equipment										
Induced Draft Fan/ Hydraulic Coupling	TN	8	82 15	657 20	141 90	93,257	0 00	0	40 00	26,288
Induced Draft Fan Motor	TN	8	15 00	120 00	141 90	17,028	0.00	0	40 00	4,800
Induced Draft Fan Lube Oil Supply Unit	TN	8	1 15	9 20	189 20	1,741	0 00	0	40 00	368
ID Fan/ Motor Foundations - Reinf Concrete	CY	1	4,285 00	4,285 00	56 40	241,674	61 00	261,385	0 00	0
System Insulation	CY	1	135 60	135 60	43 00	5,831	6 00	814	0 00	0
Subtotal						359,530		262,199		31,456
Electrostatic Precipitator										
Precipitator Foundations - Reinf Conc	CY	1	9,621 00	9,621 00	56 40	542,624	61 00	586,881	0 00	0
Assembled Precipitator - Steel	TN	2	5,581 30	11,162.60	141 90	1,583,973	0 00	0	40 00	446,504
Precipitator Support Steel	TN	1	1,002 50	1,002 50	141.90	142,255	0 00	0	40 00	40,100
Ductwork - Steel	TN	1	1,666 00	1,666 00	141 90	236,405	0 00	0	40 00	66,640
Ductwork Support Steel	TN	1	625 60	625 60	189 20	118,364	0 00	0	40 00	25,024
Platforms, Stairs & Walkways - Steel	TN	1	391 60	391 60	305 30	119,555	0 00	0	40 00	15,664
Platforms, Stairs & Walkways Support Steel	TN	1	167 80	167 80	189 20	31,748	0 00	0	40 00	6,712
Subtotal						2,774,924		586,881		600,644
Flue Gas Desulfurization System (FGDS)										
FDGS Foundations - Reinforced Concrete	CY	1	16,004 00	16,004 00	56 40	902,626	61 00	976,244	0 00	0
Absorber Tower - Steel	TN	6	314 67	1,888 00	141 90	267,907	0 00	0	40 00	75,520
Absorber Tower Agitator/ Motor	TN	30	1 50	44 91	189 20	8,497	0 00	0	40 00	1,796
Absorber Tower Damper	TN	14	20.00	280 00	141 90	39,732	0 00	0	40.00	11,200
Absorber Feed Tank	TN	6	91.83	551 00	141 90	78,187	0 00	0	40 00	22,040
Absorber Feed Pump/ Motor	TN	24	13 30	319.20	141 90	45,294	0 00	0	40 00	12,768
Absorber Feed Tank Agitator/ Motor	TN	6	7 37	44 23	189 20	8,368	0 00	0	40 00	1,769
Absorber Feed Hydroclones	TN	1	5 70	5 70	305 30	1,740	0 00	0	40 00	228
Quencher Hydroclones	TN	1	9 60	9 60	305 30	2,931	0 00	0	40 00	384
Quencher Hydroclone Pump/ Motor	TN	12	12 40	148 80	141 90	21,115	0 00	0	40 00	5,952
Well Water Tank	TN	2	19 00	38 00	141 90	5,392	0 00	0	40 00	1,520
Well Water Deluge Pump/ Motor	TN	6	2 05	12 32	189 20	2,330	0 00	0	40 00	493
Waste Slurry Storage Tank	TN	2	77 50	155 00	141 90	21,995	0 00	0	40.00	6,200
Waste Slurry Tank Agitator/ Motor	TN	4	4 35	17 40	189.20	3,292	0.00	0	40.00	696
Oxidation Air Compressor/ Motor	TN	5	14 97	74 86	141 90	10,623	0 00	0	40 00	2,995
Waste Transfer Tank	TN	6	4 50	27 00	189 20	5,108	0 00	0	40 00	1,080
Waste Transfer Pump/ Motor & Agitator/ Motor	TN	6	1 28	7 66	189 20	1,449	0 00	0	40 00	306
Flues	TN	1	1,652 00	1,652 00	141 90	234,419	0 00	0	40 00	66,080
Reheater System Support Steel	TN	1	1,254 00	1,254 00	141 90	177,943	0 00	0	40 00	50,160
Reheater	TN	2	28 33	56.66	141.90	8,040	0.00	0	40 00	2,266
Reheater Fan	TN	4	27 85	111 40	141 90	15,808	0 00	0	40.00	4,456
Reheater Fan Motor - 350 hp	TN	4	3 85	15 40	189 20	2,914	0.00	0	40.00	616
Reheater Accessories	TN	1	655.00	655 00	141 90	92,945	0 00	0	40 00	26,200
Reheater Outlet Damper	TN	2	6 25	12 50	189 20	2,365	0 00	0	40 00	500
Expansion Joints	TN	1	20 86	20 86	189 20	3,947	0 00	0	40 00	834
Pipe Racks & Cable Trays Support Steel	TN	1	289 00	289 00	189 20	54,679	0 00	0	40 00	11,560
FGDS Control oard - Steel	TN	2	1 75	3 50	189 20	662	0 00	0	40 00	140

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FGDS Waste Disposal Control Console - Steel	TN	2	1 00	2 00	189 20	378	0 00	0	40 00	80
Stack Emission Monitoring Cabinet - Steel	TN	2	1 00	2 00	189 20	378	0 00	0	40 00	80
Fiberglass-reinforced Piping	TN	1	23 36	23 36	305 30	7,132	0 00	0	40 00	934
Piping, Vlvs Under 4" - Steel	TN	1	27 88	27 88	305 30	8,511	0 00	0	40 00	1,115
Piping, Vlvs 4"-8" - Steel	TN	1	64 21	64 21	189 20	12,149	0 00	0	40 00	2,568
Piping, Vlvs Over 8" - Steel	TN	1	330 31	330 31	141 90	46,871	0 00	0	40 00	13,213
Subtotal						2,095,726		976,244		325,750
Ash Handling Area										
Foundations - Reinforced Concrete	CY	1	3,999 00	3,999 00	56 40	225,544	61 00	243,939	0 00	0
Structural Steel	TN	1	100 00	100 00	141 90	14,190	0 00	0	40 00	4,000
Space Heater Control Panel/Fan Isolator Panel	TN	2	3 86	7 72	189 20	1,461	0 00	0	40 00	309
Forced Draft Fan Control Panel	TN	6	3 48	20 85	189 20	3,945	0 00	0	40 00	834
Induced Draft Fan Control Panel	TN	16	4 45	71 14	189 20	13,459	0 00	0	40 00	2,845
Bottom Ash Control Board	TN	2	5 00	10 00	189 20	1,892	0 00	0	40 00	400
Fly Ash Control Board/ Pedestal	TN	2	2 13	4 25	189 20	804	0 00	0	40 00	170
Fly Ash Master Logic Cabinet/ Pedestal	TN	2	4 00	8 00	189 20	1,514	0 00	0	40 00	320
Fly Ash Handling System 1A/2A Logic Cabinet	TN	2	1 75	3 50	189 20	662	0 00	0	40 00	140
Fly Ash Handling System 1B/2B Logic Cabinet	TN	2	1 75	3 50	189 20	662	0 00	0	40 00	140
Fly Ash Handling System 1C/2C Logic Cabinet	TN	2	1 50	3 00	189 20	568	0 00	0	40 00	120
Mill Reject Tanks - Steel (total)	TN	1	73 21	73 21	141 90	10,388	0 00	0	40 00	2,928
Ash Hoppers - Steel (total)	TN	1	206 24	206 24	141 90	29,265	0 00	0	40 00	8,250
Adaptor/ Slide Plates - Steel	TN	1	7 30	7 30	305 30	2,227	0 00	0	40 00	292
Nonsaleable Ash Conveyor Blower/ Motor	TN	4	1 87	7 46	189 20	1,411	0 00	0	40 00	298
Nonsaleable Ash Fluidizing Blower/ Motor	TN	4	3 41	13 63	189 20	2,580	0 00	0	40 00	545
Fly Ash Precipitator Fluidizing Blower/ Motor	TN	4	2 98	11 90	189 20	2,251	0 00	0	40 00	476
Fly Ash Precipitator Conveyor Blower/ Motor	TN	6	8 93	53 55	189 20	10,132	0 00	0	40 00	2,142
Silo Conveying Blower/ Motor	TN	6	1 87	11 19	189 20	2,117	0 00	0	40 00	448
Bottom Ash Slurry Pump/ Motor	TN	4	6 06	24 25	189 20	4,588	0 00	0	40 00	970
Bottom Ash Collection Conveyor	TN	2	8 33	16 67	189 20	3,153	0 00	0	40 00	667
Pyrites Collection Conveyor	TN	2	8 33	16 67	189 20	3,153	0 00	0	40 00	667
Clinker Grinder	TN	8	3 54	28 36	189 20	5,365	0 00	0	40 00	1,134
Flanged Tees - Steel	TN	1	34 64	34 64	305 30	10 574	0 00	0	40 00	1,385
Idlers - Steel	TN	1	6 03	6 03	305 30	1,839	0 00	0	40 00	241
Air Lock Assembly - Steel	TN	178	1 00	178 00	189 20	33,678	0 00	0	40 00	7,120
Exhaust Silencers - Steel	TN	1	8 70	8 70	305 30	2,655	0 00	0	40 00	348
Refractory	CY	1	194 43	194 43	22 56	4,386	61 00	11,860	0 00	0
Bottom Ash Area Sump Pump/ Motor	TN	6	2 29	13 74	189 20	2,600	0 00	0	40 00	550
Economizer Hopper Pressurized Ash Fdr (total)	TN	1	10 20	10 20	189 20	1,930	0 00	0	40 00	408
Air Preheater Hopper Press Ash Feeder (total)	TN	1	13 60	13 60	189 20	2,573	0 00	0	40 00	544
Precip Hopper Pressurized Ash Feeder (total)	TN	1	151 20	151 20	189 20	28,607	0 00	0	40 00	6,048
Precip Ash Strg Silo Pressurized Ash Feeder	TN	16	1 20	19 20	189 20	3,633	0 00	0	40 00	768
Nonsaleable Ash Strg Silo Pressurized Ash Fdr	TN	8	1 20	9 60	189 20	1,816	0 00	0	40 00	384
Stairs, Ladders, Handrailing, Walkways	TN	1	79 21	79 21	305 30	24,183	0 00	0	40 00	3,168
Piping, Vlvs 4" to 8" - Steel	TN	1	791 72	791 72	189 20	149,794	0 00	0	40 00	31,669
Piping, Vlvs Over 8" - Steel	TN	1	639 05	639 05	141 90	90,681	0 00	0	40 00	25,562
Subtotal						700,280		255,799		106,290
Coal Silo Bays										
Structural Steel	TN	1	3,281 00	3,281 00	141 90	465,574	0 00	0	40 00	131,240
Deck Grating - Steel (2,885 sf)	TN	1	15 58	15 58	305 30	4,756	0 00	0	40 00	623
Handrailing - Steel (2,190 lf)	TN	1	10 95	10 95	305 30	3,343	0 00	0	40 00	438
Ladders/ Stairs - Steel	TN	1	74 00	74 00	305 30	22,592	0 00	0	40 00	2,960
Grade Floor - Reinforced Concrete	CY	1	257 00	257 00	56 40	14,495	61 00	15,677	0 00	0
Floor Slab - Reinforced Concrete	CY	1	545 00	545 00	56 40	30,738	61 00	33,245	0 00	0

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Steel Siding (32,466 sf)	TN	1	40 58	40 58	189 20	7,678	0 00	0	40 00	1,623
Built-up Roofing (19,100 sf)	CY	1	26 74	26 74	22 56	603	61 00	1,631	0 00	0
Roof Plating (18,620 sf)	TN	1	27 93	27 93	305 30	8,527	0 00	0	40 00	1,117
Walls - Conc Block (700 sf)	CY	1	11 58	11 58	22 56	261	61 00	706	0 00	0
HVAC Ductwork - Steel	TN	1	53 74	53 74	189 20	10,168	0 00	0	40 00	2,150
Silo Bay Misc Foundations - Reinf Conc	CY	1	2,200 00	2,200 00	56 40	124,080	61 00	134,200	0 00	0
Subtotal						692,816		185,460		140,151
Miscellaneous Equipment & Steel	TN	1	353 48	353 48	305.30	107,917	0 00	0	40 00	14,139
Total Account 312						13,375,809		2,563,936		2,764,603
FERC Account 314										
Turbogenerator Unit										
Turbogenerator Equipment										
Turbine Pedestal - Reinforced Concrete	CY	1	6,252 00	6,252 00	56.40	352,613	61.00	381,372	0 00	0
Turbine Generator	TN	2	487 77	975.55	107 50	104,871	0.00	0	40 00	39,022
Exciter	TN	2	28 36	56 72	141 90	8,049	0 00	0	40.00	2,269
Generator Copper	TN	1	41 63	41 63	421 40	17,544	0 00	0	1,000.00	41,632
Main Lube Oil Cooler	TN	4	5 00	20 00	189 20	3,784	0 00	0	40 00	800
Lube Oil Conditioning System - Steel	TN	2	4 50	9 00	189 20	1,703	0 00	0	40 00	360
Lube Oil Batch Tank - Steel	TN	2	4 12	8 24	189 20	1,559	0 00	0	40 00	330
Piping, Vlvs Under 4" - Steel	TN	1	12 68	12 68	305 30	3,871	0 00	0	40 00	507
Piping, Vlvs 4" to 8" - Steel	TN	1	12 39	12 39	189 20	2,343	0 00	0	40 00	495
Piping, Vlvs Over 8" - Steel	TN	1	9 02	9 02	141 90	1,280	0 00	0	40 00	361
System Insulation	CY	1	14.33	14 33	43 00	616	6 00	86	0 00	0
Subtotal						498,233		381,458		85,776
Condenser										
Condenser Shell - Steel	TN	2	506 70	1,013 40	189 20	191,735	0 00	0	40 00	40,536
Condenser Tubes - Titanium	TN	1	324 40	324 40	305 30	99,039	0 00	0	1,000 00	324,400
Subtotal						290,775		0		364,936
Circulating Water System										
Circ Water Pump/ Baseplate	TN	4	15 22	60 88	141 90	8,639	0 00	0	40 00	2,435
Circ Water Pump Motor	TN	4	15 50	62 00	141 90	8,798	0 00	0	40 00	2,480
Circ Water Booster Pump/ Motor	TN	4	3 90	15 60	189 20	2,952	0 00	0	40 00	624
Circ Water Piping/ Elbows - 108" Concrete	TN	1	7,684 31	7,684 31	216 20	1,661,348	0 00	0	0 00	0
Piping, Vlvs 4"-8" - Steel	TN	1	3 58	3 58	189 20	678	0 00	0	40 00	143
Piping, Vlvs Over 8" - Steel	TN	1	51 24	51 24	141 90	7,271	0 00	0	40 00	2,050
Subtotal						1,689,685		0		7,732
Auxiliary Equipment										
Condensate Pump	TN	6	15 00	89.98	141 90	12,768	0 00	0	40 00	3,599
Condensate Pump Motor	TN	6	4 78	28 65	189 20	5,421	0 00	0	40 00	1,146
Condensate Pmps/Mtrs Foundation - Reinf Conc	CY	1	1,014 00	1,014 00	56 40	57,190	61.00	61,854	0 00	0
Mechanical Vacuum Pump/ Motor	TN	6	3 00	18 00	189 20	3,406	0 00	0	40 00	720
Condenser Exhauster (skid-mounted)	TN	2	7 50	15 00	189.20	2,838	0 00	0	40.00	600
Steam Packing Exhauster	TN	2	5.45	10 90	189.20	2,062	0 00	0	40 00	436
Piping, Vlvs Under 4" - Steel	TN	1	21 51	21 51	305 30	6,566	0 00	0	40 00	860
Piping, Vlvs 4"-8" - Steel	TN	1	30.30	30 30	189 20	5,732	0 00	0	40 00	1,212
Piping, Vlvs Over 8" - Steel	TN	1	220 16	220 16	141 90	31,241	0 00	0	40.00	8,806
Piping Insulation	CY	1	50 17	50 17	43 00	2,157	6 00	301	0 00	0
Subtotal						129,381		62,155		17,380

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Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Closed Cooling Water System										
Closed Cooling Water Pump/ Baseplate	TN	8	3 05	24 40	189 20	4,616	0 00	0	40 00	976
Closed Cooling Water Pump Motor	TN	8	6 43	51 44	189 20	9,732	0 00	0	40 00	2,058
Closed Cooling Water Heat Exchanger	TN	6	13 35	80 10	141 90	11,366	0 00	0	40 00	3,204
Closed Cooling Water Heater Drain Tank	TN	2	1 85	3 70	189 20	700	0 00	0	40 00	148
Piping, Vlvs Under 4" - Steel	TN	1	13 87	13 87	305 30	4,235	0 00	0	40 00	555
Piping, Vlvs 4" to 8" - Steel	TN	1	52 17	52 17	189 20	9,871	0 00	0	40 00	2,087
Piping, Vlvs Over 8" - Steel	TN	1	82 17	82 17	141 90	11,660	0 00	0	40 00	3,287
Subtotal						52,181		0		12,314
Cooling Tower										
Foundation - Reinf Conc	CY	1	15,916 00	15,916 00	56 40	897,662	61 00	970,876	0 00	0
Diagonal Columns - Reinf Conc	CY	1	2,419 00	2,419 00	56 40	136,432	61 00	147,559	0 00	0
Misc Structures - Reinf Conc	CY	1	220 00	220 00	56 40	12,408	61 00	13,420	0 00	0
Veil - Reinf Conc	CY	1	24,767 00	24,767 00	56 40	1,396,859	61 00	1,510,787	0 00	0
Thrust Blocks - Reinf Conc	CY	1	200 00	200 00	56 40	11,280	61 00	12,200	0 00	0
Fill Support & Flume - Reinf Conc	CY	1	5,896 00	5,896 00	56 40	332,534	61 00	359,656	0 00	0
Precast Fabrication - Reinf Conc	CY	1	4,654 00	4,654 00	56 40	262,486	61 00	283,894	0 00	0
PVC Fill (652,000 cf)	CY	1	3,340 00	3,340 00	56 40	188,376	61 00	203,740	0 00	0
Blowdown Pump/ Motor	TN	4	2 83	11 30	189 20	2,138	0 00	0	40 00	452
Blowdown Pump Pit/Thrust Blocks - Reinf Conc	CY	1	1,044 00	1,044 00	56 40	58,882	61 00	63,684	0 00	0
Blowdown Pump Area - Misc Steel	TN	1	105 00	105 00	305 30	32,057	0 00	0	40 00	4,200
Interior Walkway (1,350 lf)	TN	2	20 25	40 50	189 20	7,663	0 00	0	40 00	1,620
Exterior Vertical Caged Ladder	TN	2	4 99	9 98	189 20	1,889	0 00	0	40 00	399
Subtotal						3,340,664		3,565,816		6,671
Cooling Tower Chlorination System										
Liquid Chiller Unit	TN	2	4 00	8 00	189 20	1,514	0 00	0	40 00	320
Chlorine Generator (skid-mounted)	TN	4	2 97	11 88	189 20	2,248	0 00	0	40 00	475
ChlorMaster Console Console	TN	2	5 00	10 00	189 20	1,892	0 00	0	40 00	400
Storage Tank - Fiberglass	CY	8	1 03	8 24	22 56	186	61 00	503	0 00	0
Subtotal						5,840		503		1,195
Miscellaneous Equipment & Steel	TN	1	48 24	48 24	305 30	14,726	0 00	0	40 00	1,929
Total Account 314						6,021,485		4,009,932		497,934
FERC Account 315										
Accessory Electrical Equipment										
Power Conversion Equipment										
6900V Metal Clad Switchgear	TN	2	128 40	256 81	141 90	36 441	0 00	0	40 00	10,272
6900V Non-segregated Phase Bus	TN	1	126 17	126 17	516 00	65,104	0 00	0	1,000 00	126,171
480V Power Control Centers (total)	TN	1	175 49	175 49	189 20	33,203	0 00	0	40 00	7,020
480V Motor Control Center	TN	30	2 40	72 00	189 20	13,622	0 00	0	40 00	2,880
Auxiliary Transformer Shell, Tank, Fittings	TN	4	26 20	104 78	141 90	14,868	0 00	0	40 00	4,191
Auxiliary Transformer Copper	TN	1	198 22	198 22	318 20	63,074	0 00	0	1,000 00	198,220
Isolated Phase Bus Duct (aluminum)	TN	1	566 00	566 00	516 00	292,056	0 00	0	700 00	396,200
AC/DC Rectifier - Cooling Tower Chlorination	TN	2	5 00	10 00	189 20	1,892	0 00	0	40 00	400
Electrostatic Precipitator Electrical Eqpmnt	TN	1	750 00	750 00	189 20	141,900	0 00	0	40 00	30,000
Batteries (total)	TN	1	36 00	36 00	305 30	10,991	0 00	0	0 00	0
Battery Chargers (total)	TN	1	3 60	3 60	305 30	1,099	0 00	0	40 00	144
Uninterruptable Power Supply System	TN	2	23 27	46 54	189 20	8,805	0 00	0	40 00	1,862
Conduit (exposed) - Steel	TN	1	337 80	337 80	305 30	103,129	0 00	0	40 00	13,512
Conduit Ductbank - Reinf Conc	CY	1	15,261 00	15,261 00	56 40	860,720	61 00	930,921	0 00	0
Cable Tray - Steel	TN	1	274 05	274 05	305 30	83,667	0 00	0	40 00	10,962

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
Cable Tray Support Steel	TN	1	109 62	109 62	189 20	20,740	0 00	0	40 00	4,385
Insulated Copper Wiring	TN	1	1,822 60	1,822 60	516 00	940,460	0 00	0	700 00	1,275,818
Ground Wire - Bare Copper	TN	1	105 63	105.63	516 00	54,505	0 00	0	1,000 00	105,631
FD/ID Fan Bldg - Transformer Shell,Tank,Fttng	TN	4	3.50	13 99	189 20	2,648	0 00	0	40 00	560
FD/ID Fan Bldg - Transformer Shell,Tank,Fttng	TN	2	3 44	6 88	189 20	1,302	0 00	0	40 00	275
FD/ID Fan Bldg - Transformer Shell,Tank,Fttng	TN	8	5 04	40 32	141 90	5,721	0 00	0	40 00	1,613
FD/ID Fan Bldg - Transformer Copper	TN	1	85 39	85 39	318 20	27,172	0 00	0	1,000.00	85,394
FD/ID Fan Bldg - FD Fan Reactor	TN	6	3.28	19 65	189 20	3,718	0 00	0	40 00	786
FD/ID Fan Bldg - ID Fan Reactor	TN	8	6 85	54 80	189 20	10,368	0 00	0	40 00	2,192
Total Account 315						2,797,208		930,921		2,278,487
FERC Account 316										
Misc. Power Plant Equipment										
Station Air Compressor/ Coolers	TN	4	11 15	44 60	141 90	6,329	0 00	0	40 00	1,784
Station Air Compressor Motor	TN	4	6.16	24 64	189 20	4,661	0 00	0	40 00	985
Station Air Receiver	TN	2	3 85	7 70	189 20	1,457	0 00	0	40 00	308
Station Air Foundation - Reinf Conc	CY	1	360 00	360 00	56 40	20,304	61 00	21,960	0 00	0
Piping, Vlvs Under 4" - Steel	TN	1	18 96	18 96	305 30	5,789	0 00	0	40.00	758
Piping, Vlvs 4" to 8" - Steel	TN	1	27 29	27 29	189 20	5,164	0 00	0	40 00	1,092
Piping, Vlvs Over 8" - Steel	TN	1	8 97	8 97	141 90	1,273	0 00	0	40 00	359
Total Account 316						44,976		21,960		5,286
TOTAL ST. JOHNS UNITS 1 & 2						25,699,650		9,914,647		5,857,925
COAL & LIMESTONE FACILITIES										
FERC Account 311										
Improvements to Site										
Coal Terminal - General										
Roads (asphalt) - 18,980 sf	CY	1	117 00	117 00	22 56	2,640	61 00	7,137	0 00	0
Walks, Parking (asphalt) - 5,376 sf	CY	1	33 00	33 00	22 56	744	61 00	2,013	0 00	0
Vehicle Washdown Area - Reinforced Concrete	CY	1	36 00	36 00	56 40	2,030	61 00	2,196	0 00	0
Sewer Piping - PVC (6"-1,540 lf)	CY	1	4 24	4 24	22 56	96	61 00	258	0 00	0
Firemain Piping - PVC (10"-1,100 lf)	CY	1	7 92	7 92	22 56	179	61 00	483	0 00	0
Firemain Piping - Steel (720 lf + 4 hydrants)	TN	1	8 89	8 89	258 00	2,294	0 00	0	40 00	356
Potable Water Ppng, Vlvs - PVC (6"-1,100 lf)	CY	1	3 03	3 03	22 56	68	61 00	185	0 00	0
Service Water Piping, Valves - Steel (240 lf)	TN	1	1 15	1 15	258 00	297	0 00	0	40 00	46
Fencing (4,600 lf) - Steel	TN	1	11 50	11 50	305 30	3,511	0 00	0	40 00	460
Misc Pump & Tank Foundations - Reinf Conc	CY	1	20 00	20 00	56 40	1,128	61 00	1,220	0 00	0
Subtotal						12,987		13,492		862
Coal Terminal - Service Building										
Foundation - Reinforced Concrete	CY	1	219 00	219 00	56 40	12,352	61 00	13,359	0 00	0
Structural Steel	TN	1	27 00	27 00	141 90	3,831	0 00	0	40 00	1,080
Partitions - Concrete Block (1,500 sf)	CY	1	24 81	24 81	22 56	560	61 00	1,513	0 00	0
Steel Siding (9,600 sf)	TN	1	14 40	14 40	189 20	2,724	0 00	0	40 00	576
Overhead Crane	TN	1	3 00	3 00	189 20	568	0 00	0	40.00	120
HVAC	TN	1	2 50	2 50	189 20	473	0 00	0	40 00	100
Subtotal						20,508		14,872		1,876
Coal Terminal - Dock & Trestle										
Structure - Reinforced Concrete	CY	1	5421 00	5421 00	56 40	305,744	61 00	330,681	0.00	0
Rails - Steel (1,252 lf @ 175#/yd)	TN	1	36 52	36 52	305 30	11,148	0.00	0	40.00	1,461
Coal Ship Unloader Power Track/ Support Steel	TN	1	15 63	15.63	189 20	2,956	0 00	0	40 00	625
Handrailing - Steel (945 lf)	TN	1	4 73	4 73	305 30	1,443	0 00	0	40 00	189
Concrete Planks (132)	CY	1	44 00	44 00	22 56	993	61 00	2,684	0 00	0

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
Bollards - Steel	TN	13	1 50	19 50	189 20	3,689	0 00	0	40 00	780
Pier Fender Assembly (buckstays/chain/fender)	TN	11	5 00	55.00	189 20	10,406	0 00	0	40 00	2,200
Beams - 12"x 12" (2,836 lf)	CY	1	51 05	51 05	22 56	1,152	61 00	3,114	0 00	0
Subtotal						337,531		336,479		5,255
Power Park - Coal/ Limestone Handling Structures										
CH/LH Switchgear Bldg Foundation - Reinf Conc	CY	1	316 00	316 00	56 40	17,822	61.00	19,276	0 00	0
Coal/Limestone Hndlng Swgr Bldg - Struc Steel	TN	1	25 80	25 80	141.90	3,661	0 00	0	40 00	1,032
CH/LH Swgr Bldg - Steel Siding (4,100 sf)	TN	1	5 13	5 13	189 20	970	0 00	0	40 00	205
Coal Hndlg Admin Bldg Foundation - Reinf Conc	CY	1	50 81	50 81	56 40	2,866	61 00	3,099	0 00	0
Coal Handling Admin Bldg Walls - Reinf Conc	CY	1	42 88	42 88	56 40	2,418	61 00	2,616	0 00	0
Coal Handling Admin Bldg Roof - Reinf Conc	CY	1	21 33	21 33	56 40	1,203	61 00	1,301	0 00	0
Coal Handling Admin Bldg - Structural Steel	TN	1	8 00	8 00	141 90	1,135	0 00	0	40 00	320
Coal Handling Admin Bldg - Steel Siding	TN	1	1 00	1 00	189 20	189	0 00	0	40 00	40
Refuel Station Foundation - Reinf Concrete	CY	1	26 00	26 00	56.40	1,466	61 00	1,586	0 00	0
Subtotal						31,731		27,878		1,597
Total Account 311						402,757		392,722		9,589
FERC Account 312										
Boiler Plant Service Equipment										
Coal Terminal - Conveyer System										
Coal Ship Unloader	TN	1	1652 87	1652 87	141 90	234,542	0 00	0	40 00	66,115
Trusses & Galleries	TN	1	2609 80	2609 80	141 90	370,331	0 00	0	40 00	104,392
Transfer Stations	TN	1	275 50	275 50	141 90	39,093	0 00	0	40 00	11,020
Mechanical Components	TN	1	635 00	635 00	189 20	120,142	0 00	0	40 00	25,400
Platework - Steel	TN	1	34 50	34 50	189 20	6,527	0 00	0	40 00	1,380
Fire Protection System/ Piping	TN	1	98 00	98 00	189 20	18,542	0 00	0	40 00	3,920
Vacuum Cleaning System/ Piping	TN	1	60 00	60 00	189 20	11,352	0 00	0	40 00	2,400
Conveyor Tower Foundations - Reinf Conc	CY	1	1897 00	1897 00	56 40	106,991	61 00	115,717	0 00	0
Transfer Station Foundations - Reinf Conc	CY	1	181 00	181 00	56 40	10,208	61 00	11,041	0 00	0
Subtotal						917,728		126,758		214,627
Stacker & Reclaimer/ Runway										
Coal Stacker	TN	1	50 94	50 94	305 30	15,551	0 00	0	40 00	2,037
Coal Reclaimer	TN	1	50 94	50 94	305 30	15,551	0 00	0	40 00	2,037
Foundations - Reinforced Concrete	CY	1	50 94	50 94	56 40	2,873	61 00	0	0 00	0
Pre-cast Girders (1,714 lf)	CY	1	50 94	50 94	56 40	2,873	61 00	0	0 00	0
Rails - Steel (1,756 lf)	TN	1	50 94	50 94	305 30	15,551	0 00	0	40 00	2,037
Subtotal						52,397		0		6,112
Coal/ Limestone Handling (Dumper) Building										
Structural Steel	TN	1	832 50	832 50	141.90	118,132	0 00	0	40.00	33,300
Deck Grating - Steel (932 sf)	TN	1	5 03	5 03	305 30	1,537	0 00	0	40 00	201
Handrailing (809 lf)	TN	1	4 05	4 05	305 30	1,235	0 00	0	40 00	162
Steel Siding/ Roofing (48,800 lf)	TN	1	61 00	61 00	189.20	11,541	0 00	0	40 00	2,440
Structure & Foundation - Reinforced Concrete	CY	1	14116 00	14116 00	56 40	796,142	61 00	861,076	0 00	0
Car Positioner & Drive Shed - Reinf Concrete	CY	1	586.00	586.00	56.40	33,050	61.00	35,746	0.00	0
Car Clamp,Rotation Drive,Wheel Clamp Assembly	TN	1	23.80	23.80	141 90	3,377	0.00	0	40 00	952
Rotary Car Dumper Platen/ End Rings - Steel	TN	1	65 39	65 39	141 90	9,278	0 00	0	40 00	2,615
Rotary Car Dumper Hauling Cable	TN	1	2 64	2 64	305 30	805	0 00	0	40 00	106
Rotary Car Dumper Trunnion Assemblies	TN	1	5 00	5 00	189 20	946	0 00	0	40 00	200
Hydraulic Car Mover Motor - 125 hp	TN	1	1 29	1 29	189 20	245	0 00	0	40 00	52
10-ton Take-up Winch/ Frames	TN	1	11 30	11 30	141 90	1,604	0 00	0	40 00	452
Unloading System Logic Cabinets - Steel	TN	1	1 50	1 50	189 20	284	0 00	0	40 00	60

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
Dust Suppression System Tank/ Pump/ Motor-Stl	TN	1	1 50	1 50	189 20	284	0 00	0	40 00	60
Rotary Car Dump Pit Sump Pump/ Motor	TN	1	1 73	1 73	189 20	327	0 00	0	40 00	69
Bottom Car Dump Pit Sump Pump/ Motor	TN	1	1 73	1 73	189 20	327	0 00	0	40 00	69
Coal Handling Control Board	TN	1	2 50	2 50	189 20	473	0 00	0	40 00	100
Coal Unloading Control Console	TN	1	1.50	1.50	189 20	284	0 00	0	40 00	60
Limestone Handling Control Console	TN	1	1 50	1 50	189 20	284	0 00	0	40 00	60
Tripper Interface Logic Cabinet	TN	1	1 50	1 50	189 20	284	0 00	0	40 00	60
Limestone Rail Car Mover - Mechanical	TN	1	15 25	15 25	189 20	2,885	0 00	0	40 00	610
Limestone Rail Car Mover - Hydraulic Unit	TN	1	1 25	1 25	189 20	237	0 00	0	40 00	50
Limestone Feeder	TN	3	3 05	9 14	189 20	1,728	0 00	0	40 00	365
Subtotal						985,289		896,822		42,044
Coal Conveyor System										
Coal Stacker-Reclaimer	TN	1	320 00	320 00	141 90	45,408	0 00	0	40 00	12,800
Coal Stacker-Reclaimer Rails - Steel	TN	1	51 30	51 30	305 30	15,662	0 00	0	40 00	2,052
Coal Stacker-Reclaimer Foundation - Rnf Conc	CY	1	3360 00	3360 00	56 40	189,504	61 00	204,960	0 00	0
Coal Stacker-Reclaimer Aux/ Auto Panel	TN	1	1 00	1 00	189 20	189	0 00	0	40 00	40
Cnvyr Bents/ Take-up Twr Fndtns - Reinf Conc	CY	1	4711 00	4711 00	56 40	265,700	61 00	287,371	0 00	0
Emergency Reclaim Foundation - Reinf Concrete	CY	1	2957 00	2957 00	56 40	166,775	61 00	180,377	0 00	0
Lowering Well Stackout Fndation - Reinf Conc	CY	1	496 00	496 00	56 40	27,974	61 00	30,256	0 00	0
Conveyor Tunnel - Reinforced Concrete	CY	1	3380 00	3380 00	56 40	190,632	61 00	206,180	0 00	0
Coal Crusher Floor - Reinforced Concrete	CY	1	100 00	100 00	56 40	5,640	61 00	6,100	0 00	0
Head House Floor - Reinforced Concrete	CY	1	77 00	77 00	56 40	4,343	61 00	4,697	0 00	0
Coal Crusher/ Handling Bldg - Reinf Concrete	CY	1	1054 00	1054 00	56 40	59,446	61 00	64,294	0 00	0
Conveyor Belting - Rubber w/ Steel Cord	TN	1	146 33	146 33	22 56	3,301	61 00	8,926	0 00	0
CD Magnetic Separator - Magnet	TN	1	8 65	8 65	189 20	1,637	0 00	0	40 00	346
CD Magnetic Separator - Separator Unit	TN	1	10 65	10 65	141 90	1,511	0 00	0	40 00	426
C-2 Magnetic Separator - Magnet	TN	1	3 90	3 90	189 20	738	0 00	0	40 00	156
C-2 Magnetic Separator - Separator Unit	TN	1	5 45	5 45	189.20	1,031	0 00	0	40 00	218
C-3 Magnetic Separator - Magnet	TN	1	2 75	2 75	189 20	520	0 00	0	40 00	110
C-3 Magnetic Separator - Separator Unit	TN	1	3 30	3 30	189 20	624	0 00	0	40 00	132
C-4 Magnetic Separator - Magnet	TN	1	6 15	6 15	189 20	1,164	0 00	0	40 00	246
C-4 Magnetic Separator - Separator Unit	TN	1	7 00	7 00	189 20	1,324	0 00	0	40 00	280
C-1, C-2, C-3, C-4 Conveyor Motors	TN	5	5 10	25 50	189 20	4,825	0 00	0	40 00	1,020
C-5 Conveyor Motor	TN	1	2 04	2 04	189 20	386	0 00	0	40 00	82
C-6 Conveyor Motor	TN	1	1 28	1 28	189 20	241	0 00	0	40 00	51
C-7, C-8 Conveyor Motors	TN	2	3 06	6 12	189 20	1,158	0 00	0	40 00	245
Conveyor System Pulleys	TN	1	164 65	164 65	189 20	31,151	0 00	0	40 00	6,586
Conveyor System Counterweights	TN	1	47 76	47 76	189 20	9,037	0 00	0	40 00	1,911
Conveyor System Speed Reducers/ Couplings	TN	1	54 20	54 20	189 20	10,255	0 00	0	40 00	2,168
Coal Dust Collector System - Plant	TN	1	10 35	10 35	189 20	1,958	0 00	0	40 00	414
Coal Dust Collector/ Fan Mtr - Unloading Area	TN	1	4.85	4.85	189 20	918	0 00	0	40 00	194
Coal Dust Collector/ Fan Motor - Tower "C"	TN	1	4 73	4 73	189 20	894	0 00	0	40 00	189
Coal Dust Collector/ Fan Mtr - Crusher House	TN	1	7 65	7 65	189 20	1,447	0 00	0	40 00	306
Vacuum Cleaning Exhauster/ Motor - Steel	TN	5	1 00	5 00	305 30	1,527	0 00	0	40 00	200
Coal Sampling System	TN	1	15 00	15 00	141 90	2,129	0 00	0	40 00	600
Coal Sampling Bucket Elevator	TN	2	8 75	17 50	189 20	3,311	0 00	0	40 00	700
Mill & Chemical Motors	TN	1	3 99	3 99	305.30	1,219	0 00	0	40 00	160
Chain Adjuster Assembly	TN	1	1 67	1 67	189.20	316	0 00	0	40 00	67
Structural Steel	TN	1	2505.90	2505 90	141 90	355,587	0 00	0	40 00	100,236
Bents & Galleries - Steel	TN	1	1577 50	1577 50	141 90	223,847	0 00	0	40.00	63,100
Handrailing - Steel (12,370 lf)	TN	1	61 85	61 85	305.30	18,883	0 00	0	40 00	2,474
Deck Grating - Steel (17,616 sf)	TN	1	95 13	95 13	305 30	29,042	0 00	0	40 00	3,805
Steel Roofing/ Siding (246,400 sf)	TN	1	308 00	308 00	189 20	58,274	0 00	0	40 00	12,320
HVAC Ducting - Steel	TN	1	36 78	36 78	189 20	6,959	0 00	0	40 00	1,471

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Hoppers/ Feeders - Steel	TN	1	424.70	424 70	141 90	60,265	0 00	0	40 00	16,988
Emergency Reclaim Pit Sump Pump/ Motor	TN	1	1 61	1 61	189 20	305	0 00	0	40.00	65
Coal Crusher - Steel	TN	2	6 74	13 48	189 20	2,549	0 00	0	40 00	539
Coal Crusher Motor - 500 hp	TN	2	5 70	11 40	189 20	2,157	0 00	0	40 00	456
Tripper Deck Car	TN	2	5 00	10 00	189 20	1,892	0 00	0	40 00	400
Tripper Deck Car Speed Reducers	TN	1	1.30	1 30	305 30	397	0 00	0	40.00	52
Tripper Car Pulleys	TN	1	3.63	3.63	305 30	1,108	0 00	0	40 00	145
Tripper Car Rail (60#/yd)	TN	1	32 40	32 40	305 30	9,892	0 00	0	40 00	1,296
Coal Silo - Steel	TN	14	44 79	627 06	141 90	88,980	0.00	0	40 00	25,082
Coal Pulverizer - Steel	TN	14	192 43	2694 00	141 90	382,278	0 00	0	40.00	107,760
Coal Pulverizer Motor	TN	14	6 43	90 02	189 20	17,032	0 00	0	40 00	3,601
Interface Logic Cabinet - Steel	TN	1	2 50	2 50	189 20	473	0 00	0	40 00	100
Fuel Mgmt System Logic Cabinet - Steel	TN	1	2 63	2 63	189 20	497	0 00	0	40 00	105
Subtotal						2,314,312		993,161		371,693
Limestone Conveyor System & Reagent Area										
Structural Steel	TN	1	192 80	192 80	141 90	27,358	0 00	0	40 00	7,712
Bents & Galleries - Steel	TN	1	80 00	80 00	141 90	11,352	0 00	0	40 00	3,200
Handrailing (1,664 lf)	TN	1	8 32	8 32	305 30	2,540	0 00	0	40 00	333
Deck Grating - Steel (2,545 sf)	TN	1	13 74	13.74	305 30	4,196	0 00	0	40 00	550
Roofing/ Siding - Steel (13,900 sf)	TN	1	17 38	17.38	189 20	3,287	0 00	0	40 00	695
Hoppers/ Feeders - Steel	TN	1	96 90	96 90	141 90	13,750	0 00	0	40 00	3,876
Conveyor Belting - Rubber w/ Steel Cord	CY	1	8.59	8 59	22 56	194	61 00	524	0 00	0
LD Magnetic Separator - Magnet	TN	1	4 65	4.65	189 20	880	0 00	0	40 00	186
LD Magnetic Separator - Separator Unit	TN	1	5 40	5 40	189 20	1,022	0 00	0	40 00	216
Limestone Transfer House - Reinf Concrete	CY	1	517 00	517 00	56 40	29,159	61 00	31,537	0 00	0
L-1 Conveyor Motor	TN	1	3 06	3 06	189 20	579	0 00	0	40 00	122
L-2 Conveyor Motor	TN	1	1 53	1 53	189 20	289	0 00	0	40 00	61
Conveyor System Pulleys	TN	1	19 06	19 06	189 20	3,605	0 00	0	40 00	762
Conveyor System Counterweights	TN	1	7 12	7 12	189 20	1,347	0 00	0	40 00	285
Conveyor System Speed Reducers/ Couplings	TN	1	10 74	10 74	189 20	2,032	0 00	0	40 00	430
Limestone Slewing Stacker Reducer- Boom Cnvyr	TN	1	3 25	3 25	189 20	615	0 00	0	40 00	130
Limestone Slewing Stacker Reducer - Slew	TN	1	7 50	7 50	189 20	1,419	0 00	0	40 00	300
Limestone Slewing Stacker Reducer - Luffing	TN	1	3 00	3 00	189 20	568	0 00	0	40 00	120
Limestone Reclaim Pit & Tunnel - Reinf Conc	CY	1	1335 00	1335 00	56 40	75,294	61 00	81,435	0 00	0
Limestone Conveyor Tunnel - Reinf Concrete	CY	1	2015 00	2015 00	56 40	113,646	61 00	122,915	0 00	0
Limestone Ball Mill	TN	2	67 36	134 73	141 90	19,117	0.00	0	40 00	5,389
Limestone Ball Mill Motor	TN	2	3 05	6 10	189 20	1,154	0 00	0	40 00	244
Limestone Dust Collector/ Fan Mtr - Unloading	TN	1	4 85	4 85	189 20	918	0 00	0	40 00	194
Limestone Dust Collector/ Fan Mtr - Tower "L"	TN	1	4 30	4 30	189 20	814	0 00	0	40 00	172
Limestone Silo - Steel	TN	2	41 50	83 00	141 90	11,778	0 00	0	40 00	3,320
Ball Mill Slurry Sump Tank/ Agitator/ Motor	TN	2	3 24	6 48	189 20	1,227	0 00	0	40.00	259
Reagent Prep Enclosure Foundation - Rnf Conc	CY	1	191 27	191 27	56.40	10,788	61 00	11,667	0 00	0
Reagent Preparation Enclosure - Struc Steel	TN	1	165 26	165 26	141 90	23,450	0 00	0	40 00	6,610
Reagent Prep Enclosure Roofing/Siding - Steel	TN	1	7 70	7 70	189 20	1,457	0 00	0	40 00	308
Reagent Preparation Enclosure - Misc Steel	TN	1	19 12	19 12	305 30	5,837	0 00	0	40 00	765
Reagent Feed Tank - Steel	TN	4	49 50	198 00	141 90	28,096	0 00	0	40 00	7,920
Reagent Feed Agitator/ Motor	TN	4	2.00	8 00	189.20	1,514	0 00	0	40 00	320
Subtotal						399,281		248,078		44,479
Dumper Bldg/ Conveyor Systems - Misc Items										
Conveyor Idlers - Steel	TN	1	247 85	247 85	305 30	75,670	0 00	0	40 00	9,914
Conveyor Backstops - Steel	TN	1	2 51	2 51	305 30	767	0 00	0	40 00	101
Gates/ Gate Operators - Steel	TN	1	16 50	16 50	189 20	3,122	0 00	0	40 00	660
elt Scales - Steel	TN	1	16 10	16 10	189 20	3,046	0 00	0	40 00	644

ST. JOHNS RIVER POWER PARK

Removal, Disposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Units of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Belt Plows & Cleaners - Steel	TN	1	4 53	4 53	305 30	1,382	0 00	0	40 00	181
Hoists & Trolleys	TN	1	15 34	15 34	305 30	4,683	0 00	0	40 00	614
Power Tracks - Steel	TN	1	9 21	9 21	189 20	1,742	0 00	0	40 00	368
Conveyor Soft Starters - Steel	TN	1	5 20	5 20	189 20	984	0 00	0	40 00	208
Piping, Valves Under 4" - Steel	TN	1	14 95	14.95	305 30	4,565	0 00	0	40.00	598
Piping, Valves 4" to 8" - Steel	TN	1	323 93	323 93	189 20	61,288	0 00	0	40 00	12,957
Fiberglass-reinforced Piping (FRP)	TN	1	2 50	2 50	22 56	56	61 00	153	0 00	0
Subtotal						157,304		153		26,245
Total Account 312						4,427,031		2,016,894		660,720
FERC Account 315										
Accessory Electrical Equipment										
Coal Terminal										
Transformer Shell - Distribution Yard	TN	1	2 30	2 30	189 20	435	0 00	0	40 00	92
Transformer Shell - Distribution Yard	TN	1	1 00	1 00	189 20	189	0 00	0	40 00	40
Transformer Copper	TN	1	3 96	3 96	318 20	1,260	0 00	0	1,000 00	3,960
Conveyor Electrical Equipment	TN	1	97 00	97 00	189 20	18,352	0 00	0	40 00	3,880
Copper Wiring - Bare (37,568 lf)	TN	1	9 39	9 39	516 00	4,846	0 00	0	1,000 00	9,392
Distribution Yard Bldgs & Misc Steel	TN	1	3.00	3 00	305 30	916	0 00	0	40 00	120
Distribution Yard Electrical Equipment	TN	1	4 00	4 00	305 30	1,221	0 00	0	40 00	160
Distribution Yard Foundations - Reinf Conc	CY	1	20 00	20 00	56 40	1,128	61 00	1,220	0 00	0
Coal/Limestone Handling Trnsfrmer - 7,500 kva	TN	2	6 38	12 76	189 20	2,414	0 00	0	40 00	510
Coal/Limestone Handling Transformer Copper	TN	1	17 63	17 63	318 20	5,611	0 00	0	1,000 00	17,632
Transf Foundtns/ Retainer Walls - Reinf Conc	CY	1	10 72	10 72	56 40	605	61 00	654	0 00	0
Dumper Bldg - Power Control Center	TN	2	7 15	14 31	189 20	2,707	0 00	0	40 00	572
Dumper Bldg - Motor Control Center	TN	2	2 40	4 80	189 20	908	0 00	0	40 00	192
Dumper Bldg - GE Adj Speed Drive Cabinets	TN	1	3 00	3 00	305 30	916	0 00	0	40 00	120
Copper Wiring - Insulated	TN	1	27 19	27 19	516 00	14,031	0 00	0	700 00	19,035
Copper Wiring - Bare	TN	1	3 39	3 39	516 00	1,751	0 00	0	1,000 00	3,394
Conduit - Steel	TN	1	1024 56	1024 56	305 30	312,798	0 00	0	40 00	40,982
Cable Tray - Steel	TN	1	5 52	5 52	305 30	1,685	0 00	0	40 00	221
Total Account 315						371,774		1,874		100,302
TOTAL COAL & LIMESTONE FACILITY						5,201,561		2,411,489		770,611
GYPSUM & ASH HANDLING										
FERC Account 312										
Boiler Plant Service Equipment										
Flue Gas Desulfurization (FGD) - Dewatering Area										
Structural Steel	TN	1	108 00	108 00	141 90	15,325	0 00	0	40 00	4,320
Ladders/Handrailing/Platform Walkway - Steel	TN	1	5 40	5 40	305 30	1,649	0 00	0	40 00	216
Siding/ Roofing - Steel	TN	1	20 79	20 79	189.20	3,933	0 00	0	40 00	832
Return Water Tank - Steel	TN	2	13 50	27 00	141 90	3,831	0 00	0	40 00	1,080
Reslurry Tank - Steel	TN	2	4 50	9 00	189 20	1,703	0 00	0	40 00	360
Reslurry Tank Agitator/ Motor	TN	2	1 35	2 70	189 20	511	0 00	0	40 00	108
Reslurry Pump/ Motor	TN	4	1 01	4 05	189 20	766	0.00	0	40 00	162
Compressant Water Tank - Steel	TN	4	2 30	9.20	189.20	1,741	0 00	0	40 00	368
Filtrate Return Pump/ Motor	TN	16	1 08	17.24	189 20	3,262	0 00	0	40.00	690
Return Water Pump/ Motor	TN	4	1 08	4 31	189 20	815	0 00	0	40 00	172
Vacuum Filter Pump/ Motor	TN	8	4 52	36 17	189 20	6,843	0 00	0	40 00	1,447
1st Stage Vacuum Filter Drum - Steel	TN	4	15 50	62.00	141 90	8,798	0 00	0	40.00	2,480
2nd Stage Vacuum Filter Drum - Steel	TN	4	15 50	62 00	141 90	8,798	0 00	0	40 00	2,480
Portable Gypsum Conveyor	TN	1	12 00	12 00	141 90	1,703	0 00	0	40 00	480
Overhead Crane/ I-beam Support	TN	1	3 00	3 00	189 20	568	0 00	0	40 00	120

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
Dewatering Control Console - Steel	TN	1	2 00	2 00	189 20	378	0 00	0	40 00	80
Piping, Valves Under 4" - Steel	TN	1	3 26	3 26	305 30	994	0 00	0	40 00	130
Piping, Valves 4" to 8" - Steel	TN	1	30 22	30 22	189 20	5,718	0 00	0	40 00	1,209
Piping, Valves Over 8" - Steel	TN	1	6 57	6 57	141 90	932	0 00	0	40 00	263
Fiberglass-reinforced Piping (FRP)	CY	1	25 11	25 11	22 56	566	61 00	1,531	0 00	0
Subtotal						68,834		1,531		16,996
Gypsum Conveyor System & Storage Area										
Gypsum Conveyor	TN	1	22 00	22 00	141 90	3,122	0 00	0	40 00	880
Gypsum Conveyor/ Tower Fndtion - Reinf Conc	CY	1	638 00	638 00	56 40	35,983	61 00	38,918	0 00	0
Gypsum Conveyor Pulleys	TN	1	4 52	4 52	305 30	1,379	0 00	0	40 00	181
Gypsum Conveyor Counterweights	TN	1	3 95	3 95	305 30	1,206	0 00	0	40 00	158
Gypsum Conveyor Speed Reducers/ Drives	TN	1	7 03	7 03	305 30	2,147	0 00	0	40 00	281
Storage Area Fndtn/Retainer Wall - Reinf Conc	CY	1	1893 00	1893 00	56 40	106,765	61 00	115,473	0 00	0
Storage Area Structural Steel	TN	1	270 00	270 00	141 90	38,313	0 00	0	40 00	10,800
Storage Area Siding/ Roofing - Steel	TN	1	81 00	81 00	189 20	15,325	0 00	0	40 00	3,240
Pre-sedimentation Basin - Reinforced Concrete	CY	1	4745 00	4745 00	56 40	267,618	61 00	289,445	0 00	0
Subtotal						471,858		443,836		15,540
Ash Storage Area Buildings (Solid Waste Area)										
Foundations - Reinforced Concrete	CY	1	3601 00	3601 00	56 40	203,096	61 00	219,661	0 00	0
Walls - Reinforced Concrete	CY	1	125 07	125 07	56 40	7,054	61 00	7,629	0 00	0
Roofs - Reinforced Concrete	CY	1	240 16	240 16	56 40	13,545	61 00	14,650	0 00	0
Built-up Roofing	CY	1	6 81	6 81	22 56	154	61 00	415	0 00	0
Walls - Concrete Block	CY	1	112 92	112 92	22 56	2,547	61 00	6,888	0 00	0
Support Steel (Solid Waste Handlg Admin Bldg)	TN	1	10 00	10 00	189 20	1,892	0 00	0	40 00	400
HVAC	TN	1	8 00	8 00	189 20	1,514	0 00	0	40 00	320
Overhead Crane/ Rail	TN	1	1 00	1 00	189 20	189	0 00	0	40 00	40
Subtotal						229,991		249,243		760
Ash Storage Area (Solid Waste Area)										
Nonsaleable Ash Storage Silo - Reinf Conc	CY	2	229 07	458 14	56 40	25 839	61 00	27,947	0 00	0
Precipitator Ash Storage Silo - Reinf Conc	CY	4	631 67	2526 68	56 40	142,505	61 00	154,127	0 00	0
Ash Silos - Steel (total)	TN	1	139 64	139 64	141 90	19,814	0 00	0	40 00	5,585
Hydrobins - Steel (total)	TN	1	290 27	290 27	141 90	41,190	0 00	0	40 00	11,611
Hydrobin Gate Assembly - Steel	TN	30	2 89	86 70	189 20	16,404	0 00	0	40 00	3,468
Hydrobin Bar Screens/ Splash Pans	TN	1	3 66	3 66	305 30	1,117	0 00	0	40 00	146
Stationary & Floating Decanters - Steel	TN	1	16 90	16 90	305 30	5,160	0 00	0	40 00	676
Fly Ash Wetting Pump/ Motor	TN	8	1 54	12 34	189 20	2,335	0 00	0	40 00	494
Intermittent HP Ash Water Pump/ Motor	TN	4	3 62	14 49	189 20	2,742	0 00	0	40 00	580
Intermittent LP Ash Water Pump/ Motor	TN	4	1 52	6 06	189 20	1,147	0 00	0	40 00	242
Loadout Tower - Steel	TN	2	7 51	15 03	189 20	2,843	0 00	0	40 00	601
Ash Water Surge Tank - Steel	TN	2	108 66	217 33	141 90	30,838	0 00	0	40.00	8,693
Ash Water Settling Tank - Steel	TN	2	74 94	149 89	141 90	21,269	0 00	0	40 00	5,995
Air Compressor	TN	1	2 00	2 00	189 20	378	0 00	0	40 00	80
Storage Silo Control Cabinet	TN	2	2 00	4 00	189 20	757	0 00	0	40 00	160
Dewatering Bin Control Cabinet	TN	2	2 00	4 00	189 20	757	0 00	0	40 00	160
Fly Ash Storage Silo Control/ Logic Cabinet	TN	1	2 00	2 00	189 20	378	0 00	0	40 00	80
Fly Ash Loadout Silo Control Cabinet	TN	1	1 50	1 50	189 20	284	0 00	0	40 00	60
Expansion Joints - Steel	TN	1	11 41	11 41	305 30	3,485	0 00	0	40 00	457
Truck/ Track Scales - Structural Steel	TN	1	4 88	4 88	141 90	693	0 00	0	40 00	195
Jib Crane Arms (9 total)	TN	1	11 07	11 07	189 20	2,093	0 00	0	40 00	443
Handrailing, Walkways, Ladders, Grating	TN	1	102 90	102 90	305 30	31,415	0 00	0	40 00	4,116
Dust Collector System	TN	1	5 50	5 50	189 20	1,041	0 00	0	40 00	220
Manhole Frames & Covers - Steel	TN	1	1 96	1 96	305 30	598	0 00	0	40 00	78

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
Filtering Plenum - Steel	TN	2	5.50	11.00	189.20	2,081	0.00	0	40.00	440
Piping, Valves 4" to 8" - Steel	TN	1	36.27	36.27	189.20	6,862	0.00	0	40.00	1,451
Piping Supports/ Braces - Steel	TN	1	10 00	10.00	189 20	1,892	0 00	0	40 00	400
Subtotal						365,916		182,074		46,431
Total Account 312						1,136,600		876,685		79,728
TOTAL GYPSUM & ASH HANDLING						1,136,600		876,685		79,728
GRAND TOTAL SJRPP						35,667,148		16,328,434		7,499,123

TURKEY POINT FOSSIL PLANT

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Turkey Point Fossil

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 estimated retirement dates for these units are as follows:

Unit	Year
Unit 1	2012
Unit 2	2013
Common	2013

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

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 Fossil Plant in Docket No. 981166-EI, Order No. PSC-00-0293-PAA-EI issued on February 14, 2000. These accruals became effective as of January 1, 1999.

TURKEY POINT FOSSIL
SUMMARY OF DISMANTLEMENT COSTS

FERC Account	Description	Removal Cost (A)	Disposal Cost (B)	Salvage Value (C)	Total (D)=(A + B - C)
	Turkey Point Common				
	Production Plant				
311	Structures and Improvements	608,093	1,708,020	133,280	2,182,833
312	Boiler Plant Equipment	15,662	85,663	1,820	99,505
314	Turbogenerator Units	0	0	0	0
315	Accessory Electrical Equipment	18,976	0	19,280	(304)
316	Miscellaneous Equipment	0	0	0	0
	Subtotal	642,731	1,793,683	154,380	2,282,034
	Other Site Costs				
	Site Mangement Expenses	651,052			651,052
	Intake & Discharge Backfill	57,801			57,801
	Grading & Seeding	1,411,208			1,411,208
	Subtotal	2,120,062	0	0	2,120,062
	Total	2,762,793	1,793,683	154,380	4,402,096
	Contingency 16%	442,047	286,989		729,036
	Total Turkey Point Common	3,204,840	2,080,672	154,380	5,131,132
	Total Unusable M&S Inventory	467,604		46,760	420,844
		3,672,444	2,080,672	201,140	5,551,976
	Turkey Point Units 1 & 2				
311	Structures and Improvements	1,431,128	2,492,982	90,106	3,834,005
312	Boiler Plant Equipment	8,622,161	785,847	742,946	8,665,063
314	Turbogenerator Units	3,043,323	549,003	564,762	3,027,564
315	Accessory Electrical Equipment	432,454	298,350	364,518	366,285
316	Miscellaneous Equipment	7,922	0	1,244	6,678
	Subtotal	13,536,987	4,126,182	1,763,575	15,899,594
	Contingency 16%	2,165,918	660,189		2,826,107
	Total Turkey Point Units 1 & 2	15,702,905	4,786,371	1,763,575	18,725,701
	Total Dismantlement Cost:	19,375,350	6,867,043	1,964,715	24,277,678

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	1,922,904	1,749,540	2,080,672	201,140	5,551,976
Turkey Point Units 1 & 2	9,421,743	6,281,162	4,786,371	1,763,575	18,725,701
Total	11,344,647	8,030,702	6,867,043	1,964,715	24,277,678

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 PGD. 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.

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 end of service dates used for this assumption conform to the economic recovery period ending dates used in the Turkey Point Fossil plant depreciation study submitted in 2002 (on an information only basis), using plant and reserve data as of December 31, 2001.

Currently, asbestos abatement is driven by maintenance considerations and it is not appropriate to assume an asbestos free condition by the units' end of service dates. Only minimal abatement has occurred over the last five years. Substantial amounts of asbestos remain and can be expected to require abatement at final dismantlement. FPL's PGD has estimated the cost of asbestos removal at $1,353 per cubic yard. This estimate is based on FPL's experience with asbestos abatement at the Cape Canaveral and Palatka sites. The estimated disposal cost varies from site to site depending on the landfill used.

DISMANTLING ACTIVITIES: OIL & GAS AND OTHER PRODUCTION PLANTS

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

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

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

DEVELOPMENT OF COST FACTORS

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

REMOVAL COST FACTORS

The removal cost factors developed for this study have two elements: a burdened labor rate and productivity factor. The burdened labor rate multiplied by the productivity factor yields the removal cost factor. The labor rates used in this study were developed by FPL's Power Generation Division (PGD). The crew rate per man-hour is for a crew consisting of six journeymen laborers, one laborer foreman and one heavy equipment operator - a a typical crew for demolition work. The rate includes the cost per man-hour of a Trojan 3500Z front end loader with a four yard bucket, and an American 9310, two hundred twenty-five ton crane with a two hundred foot boom. 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 for 2003 reflect adjustment for inflation at 3% per year since the study filed in 1998. The rates are for non-union crews and the per crew hour rate is based on a forty hour week.

Labor	$27.79	X	6	=	$166.72
Foreman	$35.70	X	1	=	$35.70
Heavy Equipment Operator	$33.28	X	1	=	$33.28
Total Cost per hour of 8 man crew					$235.71
Cost per man hour		$235.71	/ 8	=	$29.46

Equipment Rate

The equipment rate is based on the following equipment:

Excavator					15,961.61
Front End Loader					5,471.12
Cutting Equipment					208.12
Total per month					21,640.85
21,640.85	/ 176	hours per month =			122.96
Cost per man hour		$122.96	/ 8	=	$15.37
Plus: amount for small tools					0.80
Total Cost per man hour					$16.17

Equipment & Labor Summary

Labor	$29.46
Equipment	16.17
Total	$45.63
Rounded	$46.00
For Concrete demolition add $4.00 per hour accitional equipment charge.	$50.00

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

Components	Hourly Rate	Productivity Factor	Removal Factor
Extra Heavy Steel (1)	$46.00	2.50 MH / Ton	$115.00 / Ton
Heavy Steel (2)	$46 00	3.30 MH / Ton	$151.80 / Ton
General Steel	$46.00	4.40 MH / Ton	$202.40 / Ton
Light Steel	$46.00	7.10 MH / Ton	$326.60 / Ton
Concrete	$50.00	0.48 MH / CY	$24.00 / CY
Reinforced Concrete	$50.00	1.20 MH / CY	$60.00 / CY
Copper-Elect. Cable & Generator Leads	$46.00	12.00 MH / Ton	$552.00 / Ton
Copper - Generator	$46.00	9.80 MH / Ton	$450.80 / Ton
Copper - Transformer	$46.00	7.40 MH / Ton	$340.40 / Ton
General Insulation	$46.00	1.00 MH / CY	$46.00 / CY
Inground Pipe-Metal(3)	$46.00	6.00 MH / Ton	$276.00 / Ton
Concrete Pipe	$50.00	4.60 MH / Ton	$230.00 / 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 South Dade Disposal Facility, using dumpsters provided by BFI - Miami. Concrete and non-asbestos insulation are non-hazardous wastes. The tipping fee is $65/ton The per-haul dumpster charges are $150 per haul for a 20 CY dumpster and $175 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.

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	$150.00	/ haul	X	1 haul	=	$150.00
Tipping Fees (included ir	$65.00	/ ton	X	30.5 tons	=	1,982.50
Total Cost per round Trip						$2,132.50
Cost per Cubic Yard	$2,132.50	/ 15.38 cubic yards =				**$138.65**
Plus 10% contractor profit						13.87
Total Cost per Cubic Yard						$152.52
Rounded Cost per Cubic Yard						$153.00

Insulation

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

Calcium Silicate Insulation

Truck Cost	$175.00	/ haul	X	**1 haul**	=	$175.00
Tipping Fees	$65.00	/ ton	X	**1.82 tons**	=	$118.30
Total Cost per round Trip						$293.30
Cost per Cubic Yard	$293.30	/ 27 cubic yards =				$10.86
Plus 10% contractor profit						1.09
Total Cost per Cubic Yard						$11.95
Rounded Cost per Cubic Yard						$12.00

Insulation - Asbestos

Truck Cost	$175.00	/ haul	X	1 haul	=	$175.00
Tipping Fees	$100.00	/ ton	X	1.82 tons	=	$182.00
Total Cost per round Trip						$357.00
Cost per Cubic Yard	$357.00	/ 27 cubic yards =				$13.22
Plus 10% contractor profit						1.32
Total Cost per Cubic Yard						$14.54
Rounded Cost per Cubic Yard						$15.00

SALVAGE VALUE FACTORS

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

Iron & Steel	$40 / ton
Stainless Steel	$340 / ton
Aluminum (Sheet Metal)	$700 / ton
Wire & Cable:	
- Insulated Copper	$700 / ton
- Insulated Aluminum	$600 / ton
Copper	$1,000 / ton
Nickel Alloys	
- 70/30 Cupro-Nickel	$1,600 / ton
- 80/20 Cupro-Nickel	$1,100 / ton
- Monel	$2,000 / ton
Admiralty Brass	$700 / ton
Aluminum Brass	$700 / ton
Titanium	$1,000 / 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 $15,996.54 per month, both office and site, and contractor's expenses of $20,173.03 per month for site indirect costs. These expenses are to be incurred over the 18 month dismantlement period for Turkey Point Plant FPL's management costs include administration, engineering, permit costs and various other costs. Contractors' expensesinclude field management supervision security, etc..

Site Management Expenses per month	$36,170
Number of months	18
Total Site Mangement Expenses	$651,052

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 for the intake is $32,242, the cost for the discharge is $25,559 for a total cost computed as follows:

	Cost/Unit	Quantity	Totals
Intake	32,242	1	$32,242
Discharge	25,559	1	$25,559
			$57,801

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 is $46,118 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	$46,118
Total Grading and Seeding Expense	$1,411,208

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
TURKEY POINT COMMON										
FERC Account 311										
Improvements to Site										
Concrete Pavement	CY	1	5,165 00	5,165 00	24 00	123,960	153 00	790,245	0 00	0
Sewer System - Cast Iron	TN	1	58 88	58 88	202 40	11,917	0 00	0	40 00	2,355
Sewer System - Steel	TN	1	7 30	7 30	202 40	1,478	0 00	0	40 00	292
Sewer System - Concrete	CY	1	145 36	145 36	230 00	33,433	0 00	0	0 00	0
Manholes & Catchbasins	CY	1	148.67	148 67	60 00	8,920	153 00	22,747	0.00	0
Fire Protection System	TN	1	22.93	22 93	202.40	4,641	0.00	0	40.00	917
Fuel Oil Dock	CY	1	210 00	210.00	60.00	12,600	153.00	32,130	0.00	0
Hose Handling Structure	TN	1	1 30	1 30	202.40	263	0 00	0	40 00	52
Subtotal						197,212		845,122		3,616
Circulating and Service Water System										
Water Treatment Area Slab	CY	1	267 00	267 00	60 00	16,020	153 00	40,851	0 00	0
Water Treatment Equipment	TN	1	54.00	54.00	151 80	8,197	0.00	0	40.00	2,160
Piping - Cast Iron - 18"	TN	1	255 02	255 02	151 80	38,712	0 00	0	40 00	10,201
Piping - Cast Iron - 6"	TN	1	3 45	3 45	202 40	698	0.00	0	40 00	138
5 Ton Trolley Hoist	TN	1	0 90	0 90	326 60	294	0 00	0	40 00	36
Bridge Crane	TN	1	25 35	25 35	151.80	3,848	0 00	0	40 00	1,014
Station Crane	TN	1	148.50	148 50	151 80	22,542	0 00	0	40 00	5,940
Raw Water Storage Tank - 500,000gl	TN	1	352 00	352 00	151 80	53,434	0 00	0	40 00	14,080
Elevated Water Storage Tank - 100,000gl	TN	1	124 50	124 50	151 80	18,899	0 00	0	40 00	4,980
Concrete Foundations	CY	1	432 00	432 00	60 00	25,920	153 00	66,096	0 00	0
Structural Steel	TN	1	64.00	64 00	151 80	9,715	0 00	0	40 00	2,560
Elevator	TN	1	37 60	37 60	151 80	5,708	0 00	0	40 00	1,504
Subtotal						203,987		106,947		42,613
Fuel & Ash Structures										
Fuel Oil Storage Tanks - 268,000bbl	EA	2	925 00	1,850 00	n/a	85,686	0 00	0	40 00	74,000
Cleaning Fuel Oil Storage Tanks	EA	2	268,000 00	536,000 00	n/a	0	n/a	388,362	0 00	0
Soil Remediation - Fuel Oil Storage Tanks	EA	2	203 00	406 00	n/a	0	n/a	193,628	0 00	0
Fuel Oil Transport Lines	TN	1	306 46	306 46	151.80	46,521	0 00	0	40 00	12,258
Subotal						132,207		581,990		86,258
Other Buildings										
Concrete	CY	1	1,137 00	1,137 00	60 00	68,220	153 00	173,961	0 00	0
Miscellaneous Steel	TN	1	19 80	19 80	326 60	6,467	0 00	0	40 00	792
Subtotal						74,687		173,961		792
Total Account 311						608,093		1,708,020		133,280
FERC Account 312										
Boiler Plant Equipment										
Fuel Oil & Gas Equipment										
Light Oil Tank - 480 & 600bbl	TN	2	12 28	24 56	n/a	11,424	0 00	0	40 00	982
Foundation			n/a	n/a	n/a	0	n/a	53,484	0 00	0
Light Oil Tank - Cleaning			n/a	n/a	n/a	0	n/a	10,236	0 00	0
Soil Remediation			n/a	n/a	n/a	0	n/a	21,943	0 00	0
Fuel Oil Transfer Pumps	TN	6	1 23	7 38	202.40	0	0 00	0	40 00	0
Subtotal						11,424		85,663		982
Boiler Plant Auxiliaries										
Caustic Wash System	TN	1	7 34	7 34	202 40	1,486	0 00	0	40 00	294
Lime Slurry System	TN	1	13 60	13 60	202 40	2,753	0 00	0	40 00	544

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Subtotal						4,238		0		838
Total Account 312						15,662		85,663		1,820
FERC Account 315										
Accessory Electrical Equipment										
Power & Conversion Equipment										
Station Service Transformer	TN	1	4 00	4 00	202 40	810	0 00	0	40 00	160
Emergency Diesel Generator	TN	1	9 45	9.45	202 40	1,913	0.00	0	40 00	378
Startup Transformer - 32,000kva	TN	1	36 75	36 75	151 80	5,579	0 00	0	40 00	1,470
Lighting Transformer	TN	15	0 60	9 00	326 60	2,939	0 00	0	40 00	360
Transformer Copper	TN	1	16 54	16 54	340 40	5,630	0 00	0	1,000 00	16,540
Storage Batteries & Equipment	TN	1	7.50	7 50	202 40	1,518	0 00	0	40 00	300
Subtotal						18,389		0		19,208
Switching, Control & Protective Equipment										
Instrument Transformers	TN	3	0 60	1 80	326 60	588	0 00	0	40 00	72
Subtotal						588		0		72
Total Account 315						18,976		0		19,280
TOTAL TURKEY POINT COMMON						642,731		1,793,683		154,380
TURKEY POINT UNITS 1 & 2										
FERC Account 311										
Circulating and Service Water System										
Intake Structure - Concrete	CY	1	966 00	1,932 00	60 00	115,920	153 00	295,596	0 00	0
Traveling Water Screens	TN	2	14 11	56 44	151 80	8,568	0 00	0	40 00	2,258
Intake Conduit	TN	1	656 25	1,312 50	202 40	265,650	0 00	0	40 00	52,500
Subtotal						390,138		295,596		54,758
Station Structures										
Concrete Footings and Piers	CY	1	2,114 00	4,228 00	60 00	253,680	153 00	646,884	0 00	0
Concrete Pedestal Mat	CY	1	3,290 00	6,580 00	60 00	394,800	153 00	1,006,740	0 00	0
Structural Steel	TN	1	365 00	730 00	202 40	147,752	0 00	0	40 00	29,200
Miscellaneous Steel	TN	1	75 20	150 40	202 40	30,441	0 00	0	40 00	6,016
Floors - Concrete	CY	1	1,462 00	2,924 00	60 00	175,440	153 00	447,372	0 00	0
Floor and Roof Slabs	CY	1	155 00	310 00	60 00	18,600	153 00	47,430	0 00	0
Enclosure - Concrete	CY	1	160 00	320 00	60 00	19,200	153 00	48,960	0 00	0
Misc Cranes and Hoists	TN	1	1 65	3 30	326 60	1,078	0 00	0	40 00	132
Subtotal						1,040,991		2,197,386		35,348
Total Account 311						1,431,128		2,492,982		90,106
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	212,926	0 00	0
Fuel Oil Metering Tank - 12000 bbl	TN	1	50.60	101.20	n/a	28,562	0.00	0	40.00	4,048
F O Metering Tank - Cleaning	EA	1	n/a	n/a	n/a	0	n/a	70,756	0 00	0
Soil Remediation	EA	1	n/a	n/a	n/a	0	n/a	3,640		
Burner Pumps	TN	3	1 50	9.00	202.40	1,822	0 00	0	40 00	360
Burner Fuel Oil Booster Pumps	TN	2	1.23	4 92	202 40	996	0 00	0	40 00	197
Fuel Oil Piping	TN	1	97.07	194 14	202 40	39,294	0 00	0	40 00	7,766
Concrete	CY	1	43.00	86 00	60 00	5,160	153 00	13,158	0 00	0

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Forced Draft Foundation	CY	1	229.50	459.00	60.00	27,540	153.00	70,227	0 00	0
Forced Draft Fans	TN	2	38 50	154.00	151.80	23,377	0.00	0	40.00	6,160
Forced Draft Fan Air Ducts	TN	2	127.00	508.00	202 40	102,819	0.00	0	40.00	20,320
FD Fan Air Duct Insulation - Asbestos	CY	1	225 00	450 00	1,353.00	608,850	15 00	6,750	0.00	0
FD Fan Air Duct Insulation - Calcium Silicate	CY	1	270 00	540 00	46.00	24,840	12.00	6,480	0 00	0
Subtotal						863,260		383,937		38,850
Boiler Equipment										
Boiler Frame	TN	1	1,140.00	2,280.00	151.80	346,104	0.00	0	40.00	91,200
Platforms, Grating & Handrails	TN	1	414 00	828 00	202.40	167,587	0 00	0	40 00	33,120
Boiler - including:	TN	1	3,733 00	7,466.00	151 80	1,133,339	0 00	0	40.00	298,640
Drum, Headers, Hangers & Supports										
Waterwall, Downcomers & Tube-Guides										
Piping, Valves & Silencers										
Superheater, Reheater, Economizer										
Sootblowers										
Air Preheater	TN	2	483 00	1,932.00	151.80	293,278	0 00	0	40 00	77,280
Insulation - Asbestos	CY	1	970 00	970 00	1,353 00	1,312,41[illegible]	15 00	14,550	0 00	0
Insulation - Calcium Silicate	CY	1	1,150.00	1,150 00	46.00	52,900	12.00	13,800	0.00	0
Instrument Air Compressors	TN	2	1 25	5 00	151 80	759	0.00	0	40 00	200
Instrument Air Piping	TN	1	16 34	32.68	326.60	10,67[illegible]	0.00	0	40.00	1,307
Subtotal						3,317,05[illegible]		28,350		501,747
Boiler Plant Auxiliaries										
L P Feedwater Heater #1	TN	1	22 75	45.50	151 80	6,907	0.00	0	40 00	1,820
L P Feedwater Heater #2	TN	1	16 20	32 40	151.80	4,918	0 00	0	40 00	1,296
H.P Feedwater Heater #3	TN	1	11 85	23.70	151.80	3,598	0 00	0	40 00	948
H P. Feedwater Heater #4	TN	1	15 10	30 20	151.80	4,584	0 00	0	40.00	1,208
H P Feedwater Heater #5	TN	1	18.30	36.60	151.80	5,556	0.00	0	40.00	1,464
H P. Feedwater Heater #6	TN	1	56 85	113 70	151 80	17,260	0 00	0	40.00	4,548
H.P Feedwater Heater #7	TN	1	77.60	155.20	151 80	23,559	0.00	0	40 00	6,208
Boiler Feed Pumps (including motors)	TN	2	27 00	108.00	151.80	16,394	0 00	0	40 00	4,320
Condensate Storage Tank - 150,000 gl	TN	1	41 25	82 50	151 80	12,524	0 00	0	40.00	3,300
Condensate Recovery Cooler	TN	1	0 83	1 66	326 60	542	0 00	0	40 00	66
Condensate Recovery Vent Condenser	TN	1	1 40	2 80	202.40	567	0 00	0	40 00	112
Condensate Recovery Tank - 3,900gl	TN	1	3.00	6 00	202.40	1,214	0 00	0	40 00	240
Condensate Recovery Flash Tank - 515gl	TN	1	0 50	1 00	326 60	327	0 00	0	40.00	40
Heater Drain Pump	TN	1	0 65	1 30	326 60	425	0 00	0	40 00	52
Blow Down Tank - 1,700gl	TN	1	1.00	2 00	202 40	405	0 00	0	40 00	80
Cooling Water Pumps	TN	4	1 55	12 40	202 40	2,510	0 00	0	40 00	496
Cooling Water Heat Exchanger	TN	2	18 05	72 20	151.80	10,960	0 00	0	40.00	2,888
Cooling Water Surge Tank - 564gl	TN	1	0 50	1.00	326.60	327	0.00	0	40.00	40
Chemical Feed System	TN	1	1.50	3 00	202.40	607	0.00	0	40.00	120
Subtotal						113 183		0		29,246
Boiler Plant Piping										
Main Steam Piping	TN	1	297.52	595 04	202.40	120,436	0.00	0	40.00	23,802
Hot Reheat Piping	TN	1	73.60	147 20	202.40	29,7[illegible]3	0.00	0	40.00	5,888
Cold Reheat Piping	TN	1	88.08	176.16	202.40	35,655	0.00	0	40.00	7,046
Condensate Piping	TN	1	399.72	799.44	202.40	161,807	0 00	0	40 00	31,978
Extraction Steam Piping	TN	1	135 45	270.90	202.40	54,830	0.00	0	40.00	10,836
Boiler Feed Piping	TN	1	96.98	193.96	202.40	39,258	0.00	0	40.00	7,758
Air Evacuation Piping	TN	1	9.77	19.54	202.40	3,955	0.00	0	40.00	782
Instrument Piping	TN	1	26 50	53.00	202 40	10,727	0.00	0	40.00	2,120
Saturated Auxiliary Steam Piping	TN	1	28.65	57.30	202.40	11,598	0.00	0	40.00	2,292

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Closed Cooling Water Piping	TN	1	60.71	121.42	202.40	24,575	0.00	0	40.00	4,857
Miscellaneous Piping	TN	1	9 79	19.58	202.40	3,963	0.00	0	40.00	783
Pipe Insulation - Asbestos	CY	1	747.00	1,494.00	1,353 00	2,021,382	15 00	22,410	0.00	0
Pipe Insulation - Calcium Silicate	CY	1	900.00	1,800.00	46 00	82,800	12.00	21,600	0.00	0
Subtotal						2,600,778		44,010		98,142
Induced Draft Equipment										
Insulation	CY	1	325.00	650.00	1,353.00	1,150,050	15.00	12,750	0 00	0
Insulation	CY	1	425.00	850.00	46.00	88,320	12.00	23,040	0.00	0
Stacks	CY	1	960 00	1,920.00	60.00	115,200	153.00	293,760	0 00	0
Dust Collectors	TN	2	87.00	348.00	151.80	52,826	0.00	0	40.00	13,920
Gas Ducts	TN	1	386.00	772.00	151 80	117,190	0 00	0	40.00	30,880
Breeching	TN	1	120.00	240 00	151 80	36,432	0.00	0	40 00	9,600
Subtotal						1,560,018		329,550		54,400
Miscellaneous Steel & Equipment	TN	1	514.00	514.00	326.60	167,872	0.00	0	40.00	20,560
Total Account 312						8,622,161		785,847		742,946
FERC Account 314										
Turbo-Generator Units										
Pedestal Concrete	CY	1	1,725 50	3,451.00	60.00	207,060	153.00	528,003	0.00	0
Inserts & Anchor Bolts	TN	1	10.85	21.70	202.40	4,392	0.00	0	40.00	868
Turbo-Generator Unit	TN	1	648.00	1,296.00	115.00	149,040	0.00	0	40.00	51,840
Turbine Copper	TN	1	50 00	100.00	450.80	45,080	0.00	0	1,000.00	100,000
Turbine Piping	TN	1	260.00	520.00	552.00	287,040	0.00	0	40.00	20,800
Turbine Insulation	CY	1	700.00	1,400.00	1,353.00	1,894,200	15.00	21,000	0.00	0
Subtotal						2,586,812		549,003		173,508
Condensers and Auxiliaries										
Condenser Shell	TN	1	867.50	1,735.00	151.80	263,373	0.00	0	40.00	69,400
Condenser - Aluminum-Brass Tubes	TN	1	214.50	429.00	202.40	86,830	0.00	0	700.00	300,300
Circulating Water Pumps	TN	2	70.54	282.16	151 80	42,832	0.00	0	40.00	11,286
Butterfly Valves	TN	2	8.00	32.00	202.40	6,477	0.00	0	40.00	1,280
Condensate Pumps	TN	2	15.08	60.32	151.80	9,157	0.00	0	40.00	2,413
Lube Oil System	TN	1	23.50	47.00	202 40	9,513	0.00	0	40.00	1,880
Subtotal						418,181		0		386,559
Miscellaneous Steel & Equipment	TN	1	117 36	117 36	326.60	38,330	0.00	0	40.00	4,694
Total Account 314						3,043,323		549,003		564,762
FERC Account 315										
Accessory Electrical Equipment										
Foundations & Structures										
Manholes & Handholes	CY	1	85 00	170.00	60.00	10,200	153.00	26,010	0.00	0
Manhole & Handhole Frames and Covers	TN	1	2.19	4.38	326.60	1,431	0.00	0	40 00	175
Equipment Foundations - Concrete	CY	1	185.00	370.00	60.00	22,200	153.00	56,610	0.00	0
Subtotal						33,831		82,620		175
Conduit, Insulators & Conductors										
Concrete	CY	1	705.00	1,410.00	60.00	84,600	153.00	215,730	0.00	0
Conduit	TN	1	18.74	37 48	326.60	12,241	0 00	0	40.00	1,499
Generator Leads & Copper Tube	TN	1	22.24	44.48	552.00	24,553	0.00	0	1,000.00	44,480
Power & Control Wiring	TN	1	202.10	404.20	552.00	223,118	0.00	0	700.00	282,940

TURKEY POINT FOSSIL DISMANTLEMENT STUDY

Removal, Dsiposal & Salvage Cost Worksheet	Unit of Measure	Number of Compo-nents	Unit of Measure per Component	Total Units of Measure	Removal Cost per Unit of Measure	Total Removal Cost	Disposal Cost per Unit of Measure	Total Disposal Cost	Salvage Value per Unit of Measure	Total Salvage Value
Cable Trays	TN	1	5 12	5.12	326.60	1,672	0 00	0	40.00	205
Subtotal						346,185		215,730		329,124
Switching, Control & Protective Equipment										
Aux Power Transformer	TN	1	59.40	118.80	151.80	18,034	0.00	0	40.00	4,752
Instrument Transformers	TN	3	0.60	3.60	326.60	1,176	0.00	0	40.00	144
Transformer Copper	TN	1	24.00	24.00	340.40	8,170	0.00	0	1,000.00	24,000
Switchgear - 4160v Metalclad	TN	1	40.00	80.00	151.80	12,144	0.00	0	40.00	3,200
Switchgear - 480v Metalclad	TN	2	18.00	72.00	151.80	10,930	0.00	0	40.00	2,880
Station Grounding System	TN	1	6 08	6.08	326.60	1,986	0.00	0	40.00	243
Subtotal						52,439		0		35,219
Total Account 315						432,454		298,350		364,518
FERC Account 316										
Miscellaneous Power Plant Equipment										
Air Compressor	TN	2	4.50	18 00	202.40	3,643	0.00	0	40.00	720
Service Air Piping	TN	1	6.55	13.10	326.60	4,278	0.00	0	40.00	524
Total Account 316						7,922		0		1,244
TOTAL TURKEY POINT UNITS 1 & 2						13,536,987		4,126,182		1,763,575
TOTAL TURKEY POINT COMMON, UNITS 1 & 2						14,179,719		5,919,865		1,917,955