



**Progress Energy**

**FOSSIL PLANT**

**2005**  
**DISMANTLEMENT**  
**COST STUDY**

**Volume 2**

DOCUMENT NUMBER-DATE  
04231 APR 29 13  
FPSC-COMMISSION CLERK

# **APPENDIX H**

**Crystal River Helper  
Cooling Towers  
Cost Estimate**

2004 FOSSIL PLANT DISMANTLEMENT STUDY

CONCEPTUAL COST ESTIMATE

PREPARED FOR

FLORIDA POWER CORPORATION  
CRYSTAL RIVER - HELPER COOLING TOWERS FOR UNITS 1, 2 & 3  
COMMON FACILITIES

SARGENT & LUNDY

ESTIMATE NO. 16419D  
PROJECT NO. 11732000  
December 01, 2004

REVIEWED BY: JMR

APPROVED BY: JMR

TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	4

Sargent & Lundy  
Chicago

C O S T   S U M M A R Y   R E P O R T  
FLORIDA POWER CORPORATION  
CRYSTAL RIVER - HELPER COOLING TOWERS FOR UNITS 1, 2 & 3  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
Estimate No: 164190  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
531	HELPER COOLING TOWERS - COMMON FACILITIES		-62,000	2,036,000	1,974,000
731	OFF-SITE DISPOSAL				INCL. W/UNITS
	TOTAL CONSTRUCTION COSTS		-62,000	2,036,000	1,974,000
	INDIRECT EXPENSES				685,000
	ESCALATION				
	SALES/USE TAX				
	CONTINGENCY				399,000
	TOTAL PROJECT COST AFUDC				3,058,000
	GRAND TOTAL COST				3,058,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%  
SALES/USE TAX RATES: Equipment 0.000% Material 0.000%  
CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

**WORK PACKAGE SUMMARY**  
 FLORIDA POWER CORPORATION  
 CRYSTAL RIVER - HELPER COOLING TOWERS FOR UNITS 1, 2 & 3  
CONCEPTUAL COST ESTIMATE  
 2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 2  
 Estimate No: 164190  
 Project No: 11732000  
 Prepared by: GA /JMK/  
 Estimate Date: 01DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
DSL	OFF-SITE DISPOSAL				
IND	INDIRECT COSTS			685,000	685,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			79,000	79,000
SCR	SCRAP VALUE		-72,000		-72,000
SIT	SITE WORK		10,000	240,000	250,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			1,717,000	1,717,000
TOTAL CONSTRUCTION COSTS			-62,000	2,721,000	2,659,000

INDIRECT EXPENSES	(included above)
ESCALATION	
SALES/USE TAX	
CONTINGENCY	399,000
<hr/>	
TOTAL PROJECT COST	3,058,000
AFUDC	
<hr/>	
GRAND TOTAL COST	3,058,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
 Material 0.000%  
 Labor 0.000%  
 Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

F E R C   A C C O U N T S   S U M M A R Y  
FLORIDA POWER CORPORATION  
CRYSTAL RIVER - HELPER COOLING TOWERS FOR UNITS 1, 2 & 3  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
Estimate No: 16419D  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
311.C	COMMON SITE FACILITIES		10,000	534,000	544,000
312.C	MATERIAL HANDLING - COMMON FACILITIES				
314.C	COMMON - CIRCULATING WATER SYSTEM		-34,000	115,000	81,000
314.T	COOLING TOWERS - CIRCULATING WATER SYSTEM			1,351,000	1,351,000
315.C	COMMON - ACCESSORY ELECTRICAL EQUIPMENT		-38,000	36,000	-2,000
IND	INDIRECT EXPENSES			685,000	685,000
	TOTAL CONSTRUCTION COSTS		-62,000	2,721,000	2,659,000

Sargent & Lundy  
Chicago

F E R C   A C C O U N T S   D E T A I L S  
FLORIDA POWER CORPORATION  
CRYSTAL RIVER - HELPER COOLING TOWERS FOR UNITS 1, 2 & 3  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 4  
Estimate No: 16419D  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price Level: 2004

311.C:    COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	
531		HELPER COOLING TOWERS - COMMON FACILITIES							
5311		COMMON FACILITIES							
5311.A		SITE EXCAVATION					INCL. IN WRKG		
5311.A5	--- SIT	BORROW EXCAVATION	26000	CY		EXC	0.060 1560 79.80	124,000	124,000
5311.A6	--- SIT	FILL	26000	CY			INCL. ACCT. 5311.C8, C9		
5311.B		OUTLYING STRUCTURES DEMOLITION							
5311.B4		MISCELLANEOUS OUTLYING BUILDINGS							
5311.B41	--- SLD	WATER TREATM., CHEM. FEED & CHLORINATION BUILDINGS - STEEL FRAME /CONCRETE	39850	CF		BLDG	0.004 159 62.58	10,000	10,000
5311.B42	--- SLD	ELECTRICAL SERVICES BUILDINGS	75000	CF		BLDG	0.006 450 62.58	28,000	28,000
5311.B43	--- SLD	COOLING TOWER SW.GR BUILDINGS - 2 EA	93430	CF		BLDG	0.006 561 62.58	35,000	35,000
5311.B44	--- SLD	ANALYZER BUILDINGS 2 EA	5230	CF		BLDG	0.006 31 62.58	2,000	2,000
5311.B5	--- SLD	MISCELLANEOUS EQUIPMENT PADS AND SITE BUILDINGS FOUNDATIONS	1250	CY		CONC	1.125 1406 60.06	84,000	84,000
5311.C		SITE WORK AND SITE STRUCTURES DEMOLITION							
5311.C1	--- MTL	R/R TRACKS					INCL. 1-4 COMMON FACL		
5311.C2		ROADS & PAVEMENTS							
5311.C21	--- SLD	PAVED SURFACES	5000	SY		PVMT	0.120 600 79.80	48,000	48,000
5311.C22	--- SLD	CONCRETE WALKWAYS	100	CY		CONC	0.525 53 60.06	3,000	3,000



F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** L A B O R ***			TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST
5311.C23	---	CONCRETE CURBS	2000	LF				0.012	24	79.80	2,000	2,000
	SLD									WSIT		
5311.C3	---	FENCES AND GATES						REMAIN IN PLACE				
	MTL											
5311.C4		YARD DRAINAGE	1	LS				ABANDON IN PLACE				
5311.C5		FIRE LINES & HYDRANTS										
5311.C51		UNDERGROUND FIRE LINES						ABANDON IN PLACE				
5311.C52	---	HYDRANTS	1	LS			37.500	38	79.80		3,000	3,000
	MTL									WSIT		
5311.C6	---	OUTDOOR LIGHTING	1	LS			375.000	375	60.06		23,000	23,000
	SLD									WCON		
5311.C61	---	PRESTRESSED CONCRETE AND FLOODLIGHT POLES						INCL. ACCT. 5311.C6				
	SLD											
5311.C62		CABLE AND CONDUIT						ABANDON IN PLACE				
5311.C7		INTAKE & DISCHARGE STRUCTURES										
5311.C71	SLD	C.W. PUMP HSES, INTAKE & DISCHARGE STRUCTURE	1250	CY			0.750	938	60.06		56,000	56,000
	SLD				CONC					WCON		
5311.C8	---	MISCEL. SITE WORK AND MATERIAL HANDLING										
	DSL											
5311.C81	---	MISC. ON-SITE "VOIDS" - PERFORATE CONCRETE FOR DRAINAGE, FILL W/DEBRIS	35000	CY				INCL. IN WRKG				
	DSL				VOID							
5311.C82		OFF-SITE DISPOSAL						N/A				
5311.C9		SITE FILL AND LANDSCAPING										
5311.C91	---	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	26000	CY			0.050	1300	79.80		104,000	104,000
	SIT				FILL					WSIT		
5311.C92	SIT	SEED & MULCH SITE	8	AC	1250.00		10,000	19.275	154	79.80	12,000	22,000
	SIT				SEED					WSIT		
731		OFF-SITE DISPOSAL						INCL. W/UNITS				
TOTAL 311.C							10,000		7,649		534,000	544,000



F E R C A C C O U N T S D E T A I L S

314.C: COMMON - CIRCULATING WATER SYSTEM

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
531		HELPER COOLING TOWERS - COMMON FACILITIES										
5314.C		CIRCULATING WATER SYSTEM										
5314.C1	SCR MTL	CIRCULATING WATER SYSTEM EQUIPMENT - PUMPS, MOTORS, SWITCHGEAR, TRAV.	450	TN	-75.00		-34,000	2.025	911	57.14 WEQP	52,000	18,000
5314.C2	--- SLD	CIRCULATING WATER SYSTEM PIPING AND TUNNELS	1	LS				900.000	900	60.06 WCON	54,000	54,000
5314.C3	--- MTL	INTAKE RACKS, MISC.						INCL. ACCT. 5314.C1				
5314.C4	--- MTL	GANTRY CRANE	1	EA				150.000	150	57.14 WEQP	9,000	9,000
TOTAL 314.C							-34,000		1,961		115,000	81,000

F E R C A C C O U N T S D E T A I L S

314.T: COOLING TOWERS - CIRCULATING WATER SYSTEM

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST	
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR WAGE RATE		LABOR COST
531		HELPER COOLING TOWERS - COMMON FACILITIES									
5314.C		CIRCULATING WATER SYSTEM									
5314.C5		INDUCED DRAFT HAMON COOLING WATER TOWERS									
5314.C51	--- SLD	COOLING TOWER	4	EA				5625 22500	60.06	1,351,000 WCON	
5314.C52	--- SLD	SHELL, FOUNDATIONS AND BASIN (2 FT BELOW GRADE), AND PIPE RISERS	1800	CY		CONC		INCL. ACCT. 5314.C51		WCON	
5314.C6		DISCHARGE FLUME ON COOLING TOWERS				CONC		INCL. ACCT. 5314.C51			
TOTAL 314.T								22,500		1,351,000	1,351,000

F E R C A C C O U N T S D E T A I L S

315.C: COMMON - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	WAGE RATE	*** LABOR COST	TOTAL COST
531		HELPER COOLING TOWERS - COMMON FACILITIES									
5315		ACCESSORY ELECTRICAL EQUIPMENT									
5315.A	SCR MTL	STATION AUXILIARY TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	100 TN	-75.00 MTL		-8,000	2.672	267	57.14 WEQP	15,000	7,000
5315.B		CABLE TRAYS & DUCTRUNS							INCL. ACCT. 5311.C		
5315.C	--- SLD	TRANSFORMER YARD FOUNDATIONS, FIRE WALLS, PIERS, CURBS	318 CY		CONC		1.080	343	60.06 WCON	21,000	21,000
5317		SCRAP VALUE									
5317.B	SCR SCR	SCRAP VALUE OF COPPER	30000 LB	-1.00 SCRC		-30,000					-30,000
TOTAL 315.C						-38,000		610		36,000	-2,000

F E R C A C C O U N T S D E T A I L S

IND:      INDIRECT EXPENSES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MNHR RATE	MNHR RATE	
900	---	INDIRECT EXPENSES							
	IND								
900.1	---	FPC INDIRECT EXPENSES	1	LS					
	IND								
900.11	---	FPC ENGINEERING ALLOCATION	1	LS				102,000	102,000
	IND								
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1	LS				11,000	11,000
	IND								
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1	LS				160,000	160,000
	IND								
900.14	---	WRAP-UP AND RISK INSURANCE	1	LS				2,000	2,000
	IND								
900.15	---	FPC SUPERVISION	1	LS				128,000	128,000
	IND								
900.16	---	SECURITY SERVICES	1	LS				166,000	166,000
	IND								
900.17	---	A/E ENGINEERING, DIRECT (ENG'G SUPPORT AND RECORDS CLOSE-OUT)	1	LS				96,000	96,000
	IND								
900.18	---	PERMITS	1	LS				20,000	20,000
	IND								
		TOTAL IND						685,000	685,000

# **APPENDIX I**

## **Crystal River Mariculture Center Cost Estimate**

2004 FOSSIL PLANT DISMANTLEMENT STUDY

CONCEPTUAL COST ESTIMATE

PREPARED FOR

FLORIDA POWER CORPORATION  
CRYSTAL RIVER - MARICULTURE CENTER  
COMMON FACILITIES

SARGENT & LUNDY

ESTIMATE NO. 16420D  
PROJECT NO. 11732000  
December 01, 2004

REVIEWED BY: *JMR*

APPROVED BY: *JMR*



TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	4

Sargent & Lundy  
Chicago

# C O S T   S U M M A R Y   R E P O R T

FLORIDA POWER CORPORATION  
CRYSTAL RIVER - MARICULTURE CENTER  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
Estimate No: 16420D  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
531	FISH HATCHERY - COMMON FACILITIES		15,000	716,000	731,000
731	OFF-SITE DISPOSAL				INCL. W/UNITS
	TOTAL CONSTRUCTION COSTS		15,000	716,000	731,000
	INDIRECT EXPENSES				202,000
	ESCALATION				
	SALES/USE TAX				
	CONTINGENCY				140,000
	TOTAL PROJECT COST AFUDC				1,073,000
	GRAND TOTAL COST				1,073,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
                  Material 0.000%  
                  Labor 0.000%  
                  Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000%   Material 0.000%

CONTINGENCY RATES: Equipment 0.0%   Material 15.0%   Labor 15.0%   Indirects 15.0%

Sargent & Lundy  
Chicago

WORK PACKAGE SUMMARY

FLORIDA POWER CORPORATION  
CRYSTAL RIVER - MARICULTURE CENTER  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 2  
Estimate No: 164200  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
DSL	OFF-SITE DISPOSAL				
IND	INDIRECT COSTS			202,000	202,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			12,000	12,000
SCR	SCRAP VALUE				
SIT	SITE WORK		15,000	327,000	342,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			377,000	377,000
TOTAL CONSTRUCTION COSTS			15,000	918,000	933,000

INDIRECT EXPENSES	(included above)
ESCALATION	
SALES/USE TAX	
CONTINGENCY	140,000
TOTAL PROJECT COST	1,073,000
AFUDC	
GRAND TOTAL COST	1,073,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

F E R C   A C C O U N T S   S U M M A R Y  
FLORIDA POWER CORPORATION  
CRYSTAL RIVER - MARICULTURE CENTER  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
Estimate No: 164200  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
311.C	COMMON SITE FACILITIES		15,000	684,000	699,000
315.C	COMMON - ACCESSORY ELECTRICAL EQUIPMENT			9,000	9,000
316.C	COMMON - MISC. PLANT EQUIPMENT			23,000	23,000
IND	INDIRECT EXPENSES			202,000	202,000
	TOTAL CONSTRUCTION COSTS		15,000	918,000	933,000

Sargent & Lundy  
Chicago

F E R C   A C C O U N T S   D E T A I L S  
 FLORIDA POWER CORPORATION  
 CRYSTAL RIVER - MARICULTURE CENTER  
CONCEPTUAL COST ESTIMATE  
 2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 4  
 Estimate No: 164200  
 Project No: 11732000  
 Prepared by: GA /JMK/  
 Estimate Date: 01DEC04

Price Level: 2004

311.C:    COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	*** MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** LABOR MNHR RATE	*** LABOR WAGE RATE	*** LABOR COST	TOTAL COST
531		FISH HATCHERY - COMMON FACILITIES								
5311		COMMON FACILITIES								
5311.A		SITE REGRADING								
5311.A1	--- SIT	PONDS EXCAVATE 2' DEEP					NOT REQUIRED			
5311.A4	--- SIT	BERMS AND DIKES EXCAVATION	32000 CY		EXC		0.060 1920	79.80 WSIT	153,000	153,000
5311.A5	--- SIT	BORROW EXCAVATION					NOT REQUIRED	WSIT		
5311.A6	--- SIT	FILL	39000 CY				INCL. ACCT.5311.C8,C9			
5311.B		OUTLYING STRUCTURES DEMOLITION								
5311.B1	--- SLD	FISH HATCHERY ADMINISTRATIVE AND LABORATORY 2-STORY	250000 CF		BLDG		0.006 1500	62.58 WMSR	94,000	94,000
5311.B5	--- SLD	MISCELLANEOUS EQUIPMENT PADS AND BUILDING FOUNDATIONS	940 CY		CONC		1.125 1058	60.06 WCON	64,000	64,000
5311.C		SITE WORK AND SITE STRUCTURES DEMOLITION								
5311.C1	--- MTL	R/R TRACKS					N/A			
5311.C2		ROADS & PAVEMENTS								
5311.C21	--- SLD	PAVED SURFACES INCL. LIMESTONE PVMT	19000 SY		PVMT		0.120 2280	79.80 WSIT	182,000	182,000
5311.C22	--- SLD	CONCRETE WALKWAYS	40 CY		CONC		0.525 21	60.06 WCON	1,000	1,000
5311.C23	--- SLD	CONCRETE CURBS	2000 LF				0.012 24	79.80 WSIT	2,000	2,000
5311.C3	--- MTL	FENCES AND GATES					REMAIN IN PLACE			

F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
5311.C4		YARD DRAINAGE										
												ABANDON IN PLACE
5311.C5		FIRE LINES & HYDRANTS										
5311.C51		UNDERGROUND FIRE LINES										ABANDON IN PLACE
5311.C52	MTL	HYDRANTS	1	LS				37.500	38	79.80	3,000	3,000
										WSIT		
5311.C6	SLD	OUTDOOR LIGHTING	1	LS				187.500	188	60.06	11,000	11,000
										WCON		
5311.C8	DSL	MISCEL. SITE WORK AND MATERIAL HANDLING										
5311.C81	DSL	MISC. ON-SITE "VOIDS" - FILL W/DEBRIS (PONDS)	35000	CY								INCL. IN WRKG
												VOID
5311.C82		OFF-SITE DISPOSAL										N/A
5311.C9		SITE FILL AND LANDSCAPING										
5311.C91	SIT	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	39000	CY				0.050	1950	79.80	156,000	156,000
										WSIT		
5311.C92	SIT	SEED & MULCH SITE	12	AC	1250.00		15,000	19.275	231	79.80	18,000	33,000
										WSIT		
731		OFF-SITE DISPOSAL										INCL. W/UNITS
		TOTAL 311.C					15,000		9,210		684,000	699,000

F E R C A C C O U N T S D E T A I L S

315.C: COMMON - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE MNHRS		WAGE RATE	LABOR COST
531		FISH HATCHERY - COMMON FACILITIES								
5315.A	--- MTL	ACCESSORY ELECTRICAL EQUIPMENT	1 LS			150.000	150	57.14 WEQP	9,000	9,000
		TOTAL 315.C					150		9,000	9,000

F E R C A C C O U N T S D E T A I L S

316.C: COMMON - MISC. PLANT EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST	
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR WAGE RATE
531		FISH HATCHERY - COMMON FACILITIES								
5316		MISCELLANEOUS EQUIPMENT								
5316.A	--- SLD	FIBERGLASS TANKS, SCREENS, AND LAB. EQUIPMENT	1	LS			375.000	375 60.06 WCON	23,000	23,000
		TOTAL 316.C						375	23,000	23,000



F E R C A C C O U N T S D E T A I L S

IND: INDIRECT EXPENSES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	
900	---	INDIRECT EXPENSES								
	IND									
900.1	---	FPC INDIRECT EXPENSES	1	LS						
	IND									
900.11	---	FPC ENGINEERING ALLOCATION	1	LS					32,000	32,000
	IND									
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1	LS					4,000	4,000
	IND									
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1	LS					42,000	42,000
	IND									
900.14	---	WRAP-UP AND RISK INSURANCE	1	LS					1,000	1,000
	IND									
900.15	---	FPC SUPERVISION	1	LS					32,000	32,000
	IND									
900.16	---	SECURITY SERVICES	1	LS					45,000	45,000
	IND									
900.17	---	A/E ENGINEERING, DIRECT (ENG'G SUPPORT AND RECORDS CLOSE-OUT)	1	LS					26,000	26,000
	IND									
900.18	---	PERMITS	1	LS					20,000	20,000
	IND									
		TOTAL IND							202,000	202,000

# **APPENDIX J**

## **Debary Cost Estimate**

2004 FOSSIL PLANT DISMANTLEMENT STUDY

CONCEPTUAL COST ESTIMATE

PREPARED FOR  
FLORIDA POWER CORPORATION  
DEBARY PEAKERS  
UNITS P1 THRU P10

SARGENT & LUNDY

ESTIMATE NO. 16421D  
PROJECT NO. 11732000  
December 01, 2004

REVIEWED BY:

*JMK*

APPROVED BY:

*JMK*

TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	4

Sargent & Lundy  
Chicago

# C O S T S U M M A R Y R E P O R T

FLORIDA POWER CORPORATION  
DEBARY PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
Estimate No: 164210  
Project No: 11732000  
Prepared by: GA /JMK/

Price level: 2004

Estimate Date: 01DEC04

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
610	STATION PEAKERS 1 - 6		-277,000	792,000	515,000
611	STATION PEAKERS 7 - 10		-238,000	1,456,000	1,218,000
631	STATION PEAKERS COMMON FACILITIES		-308,000	2,667,000	2,359,000
731	OFF-SITE DISPOSAL			1,528,000	1,528,000
	TOTAL CONSTRUCTION COSTS		-823,000	6,443,000	5,620,000
	INDIRECT EXPENSES				719,000
	ESCALATION				
	SALES/USE TAX				
	CONTINGENCY				951,000
	TOTAL PROJECT COST AFUDC				7,290,000
	GRAND TOTAL COST				7,290,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%  
SALES/USE TAX RATES: Equipment 0.000% Material 0.000%  
CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

WORK PACKAGE SUMMARY

FLORIDA POWER CORPORATION  
DEBARY PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 2  
Estimate No: 164210  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 01DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
DSL	OFF-SITE DISPOSAL			1,528,000	1,528,000
IND	INDIRECT COSTS			719,000	719,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			1,934,000	1,934,000
SCR	SCRAP VALUE		-877,000		-877,000
SIT	SITE WORK		54,000	1,290,000	1,344,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			1,691,000	1,691,000
	TOTAL CONSTRUCTION COSTS		-823,000	7,162,000	6,339,000
	INDIRECT EXPENSES				(included above)
	ESCALATION				
	SALES/USE TAX				
	CONTINGENCY				951,000
	TOTAL PROJECT COST				7,290,000
	AFUDC				
	GRAND TOTAL COST				7,290,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

F E R C A C C O U N T S S U M M A R Y

FLORIDA POWER CORPORATION  
DEBARY PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
Estimate No: 164210  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 01DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
341.C	PEAKERS COMMON FACILITIES - STRUCTURES AND IMPROVEMENTS		54,000	3,467,000	3,521,000
341.P1	PEAKERS 1-6 - STRUCTURES AND IMPROVEMENTS			176,000	176,000
341.P2	PEAKERS 7-10 - STRUCTURES AND IMPROVEMENTS			946,000	946,000
342.C	PEAKERS COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT		-362,000	728,000	366,000
344.P1	PEAKERS 1-6 - GAS TURBINE PLANT		-189,000	514,000	325,000
344.P2	PEAKERS 7-10 - GAS TURBINE PLANT		-150,000	408,000	258,000
345.P1	PEAKERS 1-6 - ACCESSORY ELECTRICAL EQUIPMENT		-88,000	102,000	14,000
345.P2	PEAKERS 7-10 - ACCESSORY ELECTRICAL EQUIPMENT		-88,000	102,000	14,000
IND	INDIRECT EXPENSES			719,000	719,000
	TOTAL CONSTRUCTION COSTS		-823,000	7,162,000	6,339,000





F E R C A C C O U N T S D E T A I L S

341.C: PEAKERS COMMON FACILITIES -  
STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** L A B O R ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
6311.311	--- SLD	CONTROL HSE & BUILDING	32000	CF				0.006	192	62.58	12,000	12,000
						BLDG				WMSR		
6311.312	--- SLD	OFFICE/SHOP BUILDING	142000	CF				0.006	852	62.58	53,000	53,000
						BLDG				WMSR		
6311.313	--- SLD	WATER TREATMENT BUILDING	300000	CF				0.006	1800	62.58	113,000	113,000
						BLDG				WMSR		
6311.314	--- SLD	BOILER HOUSE	67840	CF				0.006	407	62.58	25,000	25,000
						BLDG				WMSR		
6311.315	--- SLD	PUMPHOUSE	18600	CF				0.006	112	62.58	7,000	7,000
						BLDG				WMSR		
6311.317	--- SLD	MISC. SITE BUILDINGS	30000	CF				0.006	180	62.58	11,000	11,000
						BLDG				WMSR		
6311.32	--- SLD	TANK FOUNDATIONS & BERMS	750	CY				1.125	844	60.06	51,000	51,000
						CONC				WCON		
6311.33	--- SLD	MISC. EQUIPMENT AND SITE BUILDINGS FOUNDATIONS	2200	CY				1.125	2475	60.06	149,000	149,000
						CONC				WCON		
6311.5		SITE FILL AND LANDSCAPING										
6311.51	--- SIT	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	139000	CY				0.050	6950	79.80	555,000	555,000
						FILL				WSIT		
6311.52	SIT SIT	SEED & MULCH SITE	43	AC	1250.00		54,000	19.275	829	79.80	66,000	120,000
					SEED					WSIT		
731		OFF-SITE DISPOSAL										
7311.4		OFF-SITE DISPOSAL										
7311.41	--- DSL	SPECIAL WASTE - NON-HAZ. CONTAMINATED SOIL - EXCAVATE, TRANSPORT &	28000	CY				0.433	12124	124.63	1,511,000	1,511,000
						DISP				DSL		
7311.42	--- DSL	EXCESS OF SOLID DEBRIS - TRANSPORT & DISPOSAL						N/A				
7311.43	--- DSL	RUBBISH AND TENANT DEBRIS - TRANSPORT & DISPOSAL	1500	CY				0.090	135	128.94	17,000	17,000
						DISP				DDBR		
7311.44		DETENTION PONDS - "VOID"	38500	CY								
						VOID				INCL. IN WRKG		
TOTAL 341.C							54,000		38,316		3,467,000	3,521,000

F E R C A C C O U N T S D E T A I L S

341.P1: PEAKERS 1-6 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
610		STATION PEAKERS 1 - 6										
6101.1		COMB. TURBINE STRUCTURE DEMOLITION										
6101.11	--- SLD	COMB.TURBINE FOUNDATIONS -COMMON MAT AND PEDESTALS	2600	CY				1.125	2925	60.06 WCON	176,000	176,000
		TOTAL 341.P1							2,925		176,000	176,000

F E R C A C C O U N T S D E T A I L S

341.P2: PEAKERS 7-10 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** M A T E R I A L ***			*** L A B O R ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS	WAGE RATE		LABOR COST
611		STATION PEAKERS 7 - 10										
6111.1		COMB. TURBINE STRUCTURE DEMOLITION										
6111.11	--- SLD	COMB.TURBINE FOUNDATIONS -COMMON MAT AND PEDESTALS	14000	CY				1.125	15750	60.06 WCON	946,000	946,000
TOTAL 341.P2									15,750		946,000	946,000

F E R C A C C O U N T S D E T A I L S

342.C: PEAKERS COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE	LABOR COST
631		STATION PEAKERS COMMON FACILITIES										
6312		EQUIPMENT										
6312.1		COMBUSTION TURBINES								INCL. ACCTS 610,611		
6312.3		FUEL OIL SYSTEM										
6312.31	SCR MTL	FUEL OIL STORAGE TANKS - 4 EA	3465	TN	-75.00 MTL		-260,000	2.672	9258	57.14 WEQP	529,000	269,000
6312.32	SCR MTL	MISC. TANKS AND PUMPS	550	TN	-75.00 MTL		-41,000	2.672	1470	57.14 WEQP	84,000	43,000
6312.4	SCR MTL	WATER TREATMENT SYSTEM & DEMIN. SYSTEM	300	TN	-75.00 MTL		-23,000	2.672	802	57.14 WEQP	46,000	23,000
6312.5	SCR MTL	FUEL OIL & MISC. PIPING	200	TN	-75.00 MTL		-15,000	2.025	405	57.14 WEQP	23,000	8,000
6312.6	SCR MTL	PACKAGE BOILER, MISCELLANEOUS EQUIPMENT	300	TN	-75.00 MTL		-23,000	2.672	802	57.14 WEQP	46,000	23,000
TOTAL 342.C							-362,000		12,737		728,000	366,000

F E R C A C C O U N T S D E T A I L S

344.P1: PEAKERS 1-6 - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE MNHRS		WAGE RATE	LABOR COST
610		STATION PEAKERS 1 - 6								
6102.1		COMBUSTION TURBINES 1-6								
6102.11	SCR MTL	COMBUSTION TURBINES GE 6EA @ 60.9MW	2520 TN	-75.00 MTL		-189,000	3,570 8996	57.14 WEQP	514,000	325,000
		TOTAL 344.P1				-189,000	8,996		514,000	325,000

F E R C A C C O U N T S D E T A I L S

344.P2: PEAKERS 7-10 - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNRS	WAGE RATE	LABOR COST
611		STATION PEAKERS 7 - 10										
6112.1		COMBUSTION TURBINES 7-10										
6112.11	SCR MTL	COMBUSTION TURBINES GE 4EA @ 85.4MW	2000	TN	-75.00 MTL		-150,000	3.570	7140	57.14 WEQP	408,000	258,000
		TOTAL 344.P2					-150,000		7,140		408,000	258,000

F E R C A C C O U N T S D E T A I L S

345.P1: PEAKERS 1-6 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE	LABOR COST
610		STATION PEAKERS 1 - 6										
6102.1		COMBUSTION TURBINES 1-6										
6102.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	500	TN	-75.00 MTL		-38,000	3.570	1785	57.14 WEQP	102,000	64,000
6107		SCRAP VALUE										
6107.8	SCR SCR	SCRAP VALUE OF COPPER	50000	LB	-1.00 SCRC		-50,000					-50,000
		TOTAL 345.P1					-88,000		1,785		102,000	14,000

F E R C A C C O U N T S D E T A I L S

345.P2: PEAKERS 7-10 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MNHR RATE	MNHR WAGE RATE		LABOR COST
611		STATION PEAKERS 7 - 10								
6112.1		COMBUSTION TURBINES 7-10								
6112.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	500	TN	-75.00 MTL		-38,000	3.570 1785 57.14 WEQP	102,000	64,000
6117		SCRAP VALUE								
6117.8	SCR SCR	SCRAP VALUE OF COPPER	50000	LB	-1.00 SCRC		-50,000			-50,000
TOTAL 345.P2							-88,000	1,785	102,000	14,000



F E R C A C C O U N T S D E T A I L S

IND: INDIRECT EXPENSES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	
900	---	INDIRECT EXPENSES							
	IND								
900.1	---	FPC INDIRECT EXPENSES	1	LS					
	IND								
900.11	---	FPC ENGINEERING ALLOCATION	1	LS				104,000	104,000
	IND								
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1	LS				29,000	29,000
	IND								
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1	LS				163,000	163,000
	IND								
900.14	---	WRAP-UP AND RISK INSURANCE	1	LS				4,000	4,000
	IND								
900.15	---	FPC SUPERVISION	1	LS				131,000	131,000
	IND								
900.16	---	SECURITY SERVICES	1	LS				169,000	169,000
	IND								
900.17	---	A/E ENGINEERING, DIRECT (ENG'G SUPPORT AND RECORDS CLOSE-OUT)	1	LS				98,000	98,000
	IND								
900.18	---	PERMITS	1	LS				21,000	21,000
	IND								
		TOTAL IND						719,000	719,000

# **APPENDIX K**

## **Higgins Cost Estimate**



TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	4

Sargent & Lundy  
Chicago

C O S T   S U M M A R Y   R E P O R T  
FLORIDA POWER CORPORATION  
HIGGINS UNITS 1, 2, 3, AND PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
Estimate No: 16422E  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
131	UNIT # 1		-372,000	844,000	472,000
231	UNIT # 2		-324,000	771,000	447,000
331	UNIT # 3		-312,000	724,000	412,000
531	COMMON FACILITIES		-122,000	740,000	618,000
610	STATION PEAKERS 1-4		-134,000	375,000	241,000
631	STATION PEAKERS COMMON FACILITIES		-19,000	116,000	97,000
731	OFF-SITE DISPOSAL			2,240,000	2,240,000
	TOTAL CONSTRUCTION COSTS		-1,283,000	5,810,000	4,527,000
	INDIRECT EXPENSES				734,000
	ESCALATION				
	SALES/USE TAX				
	CONTINGENCY				789,000
	TOTAL PROJECT COST AFUDC				6,050,000
	GRAND TOTAL COST				6,050,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

**W O R K P A C K A G E S U M M A R Y**  
 FLORIDA POWER CORPORATION  
 HIGGINS UNITS 1, 2, 3, AND PEAKERS  
 CONCEPTUAL COST ESTIMATE  
 2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 2  
 Estimate No: 16422E  
 Project No: 11732000  
 Prepared by: GA /JMK/  
 Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
ASB	ASBESTOS, TRANSITE				
DSL	OFF-SITE DISPOSAL			2,240,000	2,240,000
IND	INDIRECT COSTS			734,000	734,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			1,915,000	1,915,000
SCR	SCRAP VALUE		-1,312,000		-1,312,000
SIT	SITE WORK		29,000	357,000	386,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			1,298,000	1,298,000
TOTAL CONSTRUCTION COSTS			-1,283,000	6,544,000	5,261,000
INDIRECT EXPENSES					(included above)
ESCALATION					
SALES/USE TAX					
CONTINGENCY					789,000
TOTAL PROJECT COST					6,050,000
AFUDC					
GRAND TOTAL COST					6,050,000
FINANCIAL ASSUMPTIONS:					
ESCALATION RATES: Equipment 0.000%					
Material 0.000%					
Labor 0.000%					
Indirects 0.000%					
SALES/USE TAX RATES: Equipment 0.000% Material 0.000%					
CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%					

Sargent & Lundy  
Chicago

F E R C A C C O U N T S S U M M A R Y

FLORIDA POWER CORPORATION  
HIGGINS UNITS 1, 2, 3, AND PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
Estimate No: 16422E  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
311.1	UNIT 1 - STRUCTURES AND IMPROVEMENTS		-120,000	325,000	205,000
311.2	UNIT 2 - STRUCTURES AND IMPROVEMENTS		-86,000	270,000	184,000
311.3	UNIT 3 - STRUCTURES AND IMPROVEMENTS		-76,000	228,000	152,000
311.C	COMMON SITE FACILITIES		26,000	2,737,000	2,763,000
312.1	UNIT 1 - BOILER PLANT		-143,000	240,000	97,000
312.2	UNIT 2 - BOILER PLANT		-143,000	240,000	97,000
312.3	UNIT 3 - BOILER PLANT		-143,000	240,000	97,000
312.C	MATERIAL HANDLING - COMMON FACILITIES		-113,000	231,000	118,000
314.1	UNIT 1 - TURBINE PLANT		-48,000	187,000	139,000
314.2	UNIT 2 - TURBINE PLANT		-46,000	185,000	139,000
314.3	UNIT 3 - TURBINE PLANT		-46,000	185,000	139,000
315.1	UNIT 1 - ACCESSORY ELECTRICAL EQUIPMENT		-49,000	49,000	
315.2	UNIT 2 - ACCESSORY ELECTRICAL EQUIPMENT		-37,000	45,000	8,000
315.3	UNIT 3 - ACCESSORY ELECTRICAL EQUIPMENT		-37,000	45,000	8,000
315.C	COMMON - ACCESSORY ELECTRICAL EQUIPMENT		-35,000	12,000	-23,000
316.1	UNIT 1 - MISC. POWER PLANT EQUIPMENT		-12,000	43,000	31,000
316.2	UNIT 2 - MISC. POWER PLANT EQUIPMENT		-12,000	31,000	19,000
316.3	UNIT 3 - MISC. POWER PLANT EQUIPMENT		-10,000	26,000	16,000
341.C	PEAKERS COMMON FACILITIES - STRUCTURES AND IMPROVEMENTS		3,000	75,000	78,000
341.P	PEAKERS 1-4 - STRUCTURES AND IMPROVEMENTS			120,000	120,000
342.C	PEAKERS COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT		-22,000	41,000	19,000
344.P	PEAKERS 1-4 - GAS TURBINE PLANT		-71,000	194,000	123,000
345.P	PEAKERS 1-4 - ACCESSORY ELECTRICAL EQUIPMENT		-63,000	61,000	-2,000
IND	INDIRECT EXPENSES			734,000	734,000
	TOTAL CONSTRUCTION COSTS		-1,283,000	6,544,000	5,261,000

Sargent & Lundy  
Chicago

F E R C   A C C O U N T S   D E T A I L S  
FLORIDA POWER CORPORATION  
HIGGINS UNITS 1, 2, 3, AND PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 4  
Estimate No: 16422E  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price Level: 2004

311.1:    UNIT 1 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** L A B O R ***		TOTAL COST		
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	WAGE RATE		LABOR COST	
131		UNIT # 1										
1311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS										
1311.A		MAIN POWER BLOCK DEMOLITION (1,863,265 CF)										
1311.A1	--- SLD	BUILDING FOUNDATION (2 FT. BELOW GRADE - REINFORCEMENT 250#/CY)	2425	CY				0.844	2047	60.06 WCON	123,000	123,000
1311.A2		WALLS										
1311.A21	--- SLD	MASONRY WALLS - CONCRETE BLOCK & TILES	30000	SF				0.008	240	62.58 WMSR	15,000	15,000
1311.A22	--- MTL	INTERIOR WALLS						INCL.	ACCT.	1311.A21 WMSR		
1311.A23	--- MTL	TRANSITE SIDING						INCL.	ACCT.	1311.A91 WMSR		
1311.A3	--- SLD	ELEVATED CONCRETE FLOORS, STAIRS, ROOFS	1054	CY				0.599	631	60.06 WCON	38,000	38,000
1311.A4		STRUCTURAL AND GALLERY STEEL										
1311.A41	SCR MTL	STRUCTURAL AND GIRT STEEL	1595	TN	-75.00			1.016	1621	54.31 WSTL	88,000	-32,000
1311.A42	--- MTL	GALLERY GRATING	15000	SF				INCL.	ACCT.	1311.A4 WSTL		
1311.A5		PRECAST CONCRETE CHANNEL & LW CONCRETE ROOF								WROF		
1311.A51	--- SLD	BOILER ROOM	9340	SF				0.011	103	67.19 WROF	7,000	7,000
1311.A52	--- SLD	TURBINE ROOM	7540	SF				0.011	83	67.19 WROF	6,000	6,000
1311.A53	--- SLD	CONTROL HOUSE						INCL.	ACCT.	1311		
1311.A54	--- SLD	MACHINE SHOP AND WATER TREATMENT AREA						INCL.	ACCT.	1311		



F E R C A C C O U N T S D E T A I L S

311.1: UNIT 1 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS	WAGE RATE		LABOR COST		
1311.A55	SLD	AIR HEATER RM, MISC.	4960	SF				0.011	55	67.19	4,000	4,000		
1311.A6	MTL	M/BLDG ELEVATOR	1	EA				90.000	90	57.14	5,000	5,000		
1311.A7	MTL	M/BLDG HVAC	1	LS				225.000	225	57.14	13,000	13,000		
1311.A8	MTL	MAIN BUILDING ELECTRICAL	1	LS				450.000	450	57.14	26,000	26,000		
1311.A81	MTL	7.5KVA TO 30KVA TRANSFORMERS	2	EA				INCL. ACCT. 1311.A8						
1311.A82	MTL	FIXTURES	429	EA				INCL. ACCT. 1311.A8						
1311.A83	MTL	M/BLDG MISC. ELECTRICAL						INCL. ACCT. 1311.A8						
1311.A9	ASB	DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL												
1311.A91	ASB	TRANSITE WALL						N/A						
1311.A92	ASB	TRANSITE SEWER PIPE						N/A						
1311.A93	ASB	TRANSITE CABLE TRAYS & CONDUITS						N/A						
TOTAL 311.1											-120,000	5,545	325,000	205,000



F E R C A C C O U N T S D E T A I L S

311.2: UNIT 2 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
2311.A7	--- MTL	M/BLDG HVAC	1	LS				225.000	225	57.14 WEQP	13,000	13,000
2311.A8	--- MTL	MAIN BUILDING ELECTRICAL	1	LS				450.000	450	57.14 WEQP	26,000	26,000
2311.A81	--- MTL	7.5KVA TO 30KVA TRANSFORMERS	2	EA				INCL. ACCT. 2311.A8				
2311.A82	--- MTL	FIXTURES	429	EA				INCL. ACCT. 2311.A8				
2311.A83	--- MTL	M/BLDG MISC. ELECTRICAL						INCL. ACCT. 2311.A8				
2311.A9	--- ASB	DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL										
2311.A91	--- ASB	TRANSITE WALL						N/A				
2311.A92	--- ASB	TRANSITE SEWER PIPE						N/A				
2311.A93	--- ASB	TRANSITE CABLE TRAYS & CONDUITS						N/A				
TOTAL 311.2								-86,000	4,596		270,000	184,000

F E R C A C C O U N T S D E T A I L S

311.3: UNIT 3 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST		
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST
331		UNIT # 3										
3311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS										
3311.A		MAIN POWER BLOCK DEMOLITION (1,390,445 CF)										
3311.A1	--- SLD	BUILDING FOUNDATION (2 FT. BELOW GRADE - REINFORCEMENT 250#/CY)	1600	CY				0.844	1350	60.06 WCON	81,000	81,000
3311.A2		WALLS										
3311.A21	--- SLD	MASONRY WALLS - CONCRETE BLOCK & TILES	38721	SF				0.008	310	62.58 WMSR	19,000	19,000
3311.A22	--- MTL	INTERIOR WALLS								INCL. ACCT. 1311.A21 WMSR		
3311.A23	--- MTL	TRANSITE SIDING								INCL. ACCT. 3311.A91 WMSR		
3311.A3	--- SLD	ELEVATED CONCRETE FLOORS, STAIRS, ROOFS	825	CY				0.599	494	60.06 WCON	30,000	30,000
3311.A4		STRUCTURAL AND GALLERY STEEL										
3311.A41	SCR MTL	STRUCTURAL AND GIRT STEEL	1019	TN	-75.00 MTL							-20,000
3311.A42	--- MTL	GALLERY GRATING	14994	SF						INCL. ACCT. 3311.A4 WSTL		
3311.A5		PRECAST CONCRETE CHANNEL & LW CONCRETE ROOF								WROF		
3311.A51	--- SLD	BOILER ROOM	7007	SF				0.011	77	67.19 WROF	5,000	5,000
3311.A52	--- SLD	TURBINE ROOM	5929	SF				0.011	65	67.19 WROF	4,000	4,000
3311.A53	--- SLD	CONTROL HOUSE								INCL. ACCT. 1311		
3311.A54	--- SLD	MACHINE SHOP AND WATER TREATMENT AREA								INCL. ACCT. 1311		
3311.A55	--- SLD	AIR HEATER RM, MISC.	1463	SF				0.011	16	67.19 WROF	1,000	1,000
3311.A6	--- MTL	M/BLDG ELEVATOR								INCL. ACCT. 1311		

F E R C A C C O U N T S D E T A I L S

311.3: UNIT 3 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST
3311.A7	MTL	M/BLDG HVAC	1	LS				225.000	225	57.14 WEQP	13,000	13,000
3311.A8	MTL	MAIN BUILDING ELECTRICAL	1	LS				337.500	338	57.14 WEQP	19,000	19,000
3311.A81	MTL	7.5KVA TO 30KVA TRANSFORMERS	1	EA				INCL. ACCT. 3311.A8				
3311.A82	MTL	FIXTURES	223	EA				INCL. ACCT. 3311.A8				
3311.A83	MTL	M/BLDG MISC. ELECTRICAL						INCL. ACCT. 3311.A8				
3311.A9	ASB	DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL										
3311.A91	ASB	TRANSITE WALL						N/A				
3311.A92	ASB	TRANSITE SEWER PIPE						N/A				
3311.A93	ASB	TRANSITE CABLE TRAYS & CONDUITS						N/A				
TOTAL 311.3								-76,000	3,910		228,000	152,000



F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
5311.A5	--- SIT	BORROW EXCAVATION	15000	CY				0.060	900	79.80 WSIT	72,000	72,000
5311.A6	--- SIT	FILL	34000					INCL. ACCT. 5311.C8, C9				
5311.B		OUTLYING STRUCTURES DEMOLITION										
5311.B1	--- SLD	WAREHOUSES AND STOREROOMS	16000	CF		BLDG		0.004	64	62.58 WMSR	4,000	4,000
5311.B2	--- SLD	GUARDHOUSE						INCL. ACCT. 5311.B44				
5311.B4		MISCELLANEOUS OUTLYING BUILDINGS										
5311.B42	--- SLD	ADMINISTRATION BUILDING - STEEL FRAME /CONCRETE BLOCK BUILDING				BLDG		INCL. ACCT. 1311.A				
5311.B43	--- SLD	PUMPHSES - STEEL FRAME /CONCRETE BLOCK BUILDING	26000	CF		BLDG		0.006	156	62.58 WMSR	10,000	10,000
5311.B45	--- SLD	MISCELLANEOUS SMALL SIZE BUILDINGS	9000	CF		BLDG		0.006	54	62.58 WMSR	3,000	3,000
5311.B5	--- SLD	MISCELLANEOUS EQUIPMENT PADS AND SITE BUILDINGS FOUNDATIONS	200	CY		CONC		1.125	225	60.06 WCON	14,000	14,000
5311.B6	--- SLD	TANK FOUNDATIONS & CONCRETE BERMS	860	CY		CONC		0.563	484	60.06 WCON	29,000	29,000
5311.B7		COOLING TOWER COMMON STRUCTURES - DISCHARGE FLUME, MIXING STRUCTURE,						INCL. ACCT. 5311.B5				
5311.C		SITE WORK AND SITE STRUCTURES DEMOLITION										
5311.C1	--- MTL	R/R TRACKS						NONE ON-SITE				
5311.C2		ROADS & PAVEMENTS										
5311.C21	--- SLD	PAVED SURFACES	4060	SY		PVMT		0.120	487	79.80 WSIT	39,000	39,000
5311.C22	--- SLD	CONCRETE WALKWAYS	150	CY		CONC		0.525	79	60.06 WCON	5,000	5,000
5311.C23	--- SLD	CONCRETE CURBS	2000	LF				0.012	24	79.80 WSIT	2,000	2,000

F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE	
5311.C3	--- MTL	FENCES AND GATES	1755	LF				REMAIN IN PLACE			
5311.C4		YARD DRAINAGE	1	LS				ABANDON IN PLACE			
5311.C5		FIRE LINES & HYDRANTS									
5311.C51		UNDERGROUND FIRE LINES						ABANDON IN PLACE			
5311.C52	--- MTL	HYDRANTS	1	LS			112.500	113	79.80	9,000	9,000
									WSIT		
5311.C6	--- SLD	OUTDOOR LIGHTING	1	LS			225.000	225	60.06	14,000	14,000
									WCON		
5311.C61	--- SLD	PRESTRESSED CONCRETE AND FLOODLIGHT POLES								INCL. ACCT. 5311.C6	
5311.C62		CABLE AND CONDUIT								ABANDON IN PLACE	
5311.C7		INTAKE & DISCHARGE STRUCTURES									
5311.C71		DOCKS								REMAIN IN PLACE	
5311.C72	--- MTL	INTAKE CANAL SHEET PILING WALL								REMAIN IN PLACE	
										MTL	
5311.C73		INTAKE CANAL									
5311.C731	SIT SLD	INTAKE WELL CLOSURE	1	LS	5500.00					21,000	27,000
										6,000	
5311.C732		INTAKE FILL - "VOID"	4700	CY						INCL. IN WRKG	
										VOID	
5311.C733	--- SLD	INTAKE STRUCTURE	200	CY			1.050	210	60.06	13,000	13,000
									WCON		
5311.C74		DISCHARGE CANAL AND TUNNEL - "VOID" VOLUME	3200	CY						INCL. IN WRKG	
										VOID	
5311.C741	SIT SIT	DISCHARGE CLOSURE	1	LS	5500.00					12,000	18,000
										6,000	
5311.C742	--- SLD	DISCHARGE STRUCTURE	100	CY			1.050	105	60.06	6,000	6,000
									WCON		
5311.C743	--- MTL	DISCHARGE CANAL SHEET PILING WALL								REMAIN IN PLACE	
										MTL	
5311.C8	--- DSL	MISCEL. SITE WORK AND MATERIAL HANDLING									
5311.C81	--- DSL	MISC. ON-SITE "VOIDS" - PERFORATE CONCRETE FOR DRAINAGE, FILL W/DEBRIS								INCL. IN WRKG	



F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	NNHRS		WAGE RATE	LABOR COST
5311.C811	--- DSL	MAIN BUILDING BSMT	70	CY								
							VOID					
5311.C812	--- DSL	CONCRETE PIPE TRENCH	300	CY								
							VOID					
5311.C813	--- DSL	CONCRETE CABLE TRENCHES AND TUNNEL	4000	CY								
							VOID					
5311.C9		SITE FILL AND LANDSCAPING										
5311.C91	--- SIT	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	34000	CY				0.050	1700	79.80 WSIT	136,000	136,000
							FILL					
5311.C92	SIT SIT	SEED & MULCH SITE	11	AC	1250.00			19.275	212	79.80 WSIT	17,000	31,000
							SEED					
731		OFF-SITE DISPOSAL										
7311.C82		OFF-SITE DISPOSAL										
7311.C821	--- DSL	ASH MONOFILL - EXCAVATE, TRANSPORT & DISPOSE										
								N/A		DASH		
7311.C822	--- DSL	SPECIAL WASTE - NON-HAZ. CONTAMINATED SOIL - EXCAVATE, TRANSPORT &	41200	CY				0.433	17840	124.63 DSL	2,223,000	2,223,000
							DISP					
7311.C823	--- DSL	EXCESS OF SOLID DEBRIS - TRANSPORT & DISPOSAL										
								N/A				
7311.C824	--- DSL	RUBBISH AND TENANT DEBRIS - TRANSPORT & DISPOSAL	1500	CY				0.090	135	128.94 DDBR	17,000	17,000
							DISP					
TOTAL 311.C								26,000	24,153		2,737,000	2,763,000

F E R C A C C O U N T S D E T A I L S

312.1: UNIT 1 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		LABOR COST	TOTAL COST	
				MATERIAL RATE	EQUIPMENT COST	MNHR RATE	MNHR			
131		UNIT # 1								
1311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS								
1311.A		MAIN POWER BLOCK DEMOLITION (1,863,265 CF)								
1311.A9		DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL								
1311.A94	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION	1 LS					PREVIOUSLY REMOVED		
1312		BOILER PLANT								
1312.A	SCR MTL	BOILER AND APPURTENANCES	1350 TN	-75.00 MTL	-101,000	2.025	2734	58.50 WBLR	160,000	59,000
1312.B		DRAFT EQUIPMENT								
1312.B1	SCR MTL	FLUES AND DUCTS INCL. BREECHING	100 TN	-75.00 MTL	-8,000	2.672	267	57.14 WEQP	15,000	7,000
1312.B2	--- MTL	PRECIPITATOR						N/A		
1312.B3		ID, FD FANS & MOTORS						INCL. ACCT. 1312.A		
1312.B4	SCR MTL	REMOVAL OF STEEL STACK	30 TN	-75.00 MTL	-2,000	2.025	61	57.14 WEQP	3,000	1,000
1312.B5	--- SLD	FOUNDATIONS (2 FT BELOW GRADE) FOR DRAFT EQUIPMENT	200 CY	CONC		1.080	216	60.06 WCON	13,000	13,000
1312.C		FEED WATER SYSTEM								
1312.C1	SCR MTL	FEED WATER DEAERATING EQUIPMENT	70 TN	-75.00 MTL	-5,000	2.025	142	57.14 WEQP	8,000	3,000
1312.C2		CONDENSATE TANKS						INCL. ACCT. 1316.B		
1312.D		WATER TREATMENT SYSTEM								
1312.D1	SCR MTL	WATER TREATMENT, DEMINERAL., CHEMICAL TREATMENT EQUIPMENT	100 TN	-75.00 MTL	-8,000	2.025	203	57.14 WEQP	12,000	4,000
1312.F		FUEL OIL EQUIPMENT						INCL. ACCT. 5312.F		
1312.G	SCR MTL	BOILER PLANT PIPING AND HANGERS	250 TN	-75.00 MTL	-19,000	2.025	506	57.14 WEQP	29,000	10,000

F E R C   A C C O U N T S   D E T A I L S

312.1:    UNIT 1 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
1312.N	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION										
								INCL. ACCT. 1311.A94				
		TOTAL 312.1					-143,000		4,129		240,000	97,000

F E R C A C C O U N T S D E T A I L S

312.2: UNIT 2 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		LABOR COST	TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MNHR RATE	MNHR			WAGE RATE	
231		UNIT # 2										
2311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS										
2311.A		MAIN POWER BLOCK DEMOLITION (1,450,490 CF)										
2311.A9		DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL										
2311.A94	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION	1	LS					PREVIOUSLY REMOVED			
2312		BOILER PLANT										
2312.A	SCR MTL	BOILER AND APPURTENANCES	1350	TN	-75.00 MTL		-101,000	2.025	2734	58.50 WBLR	160,000	59,000
2312.B		DRAFT EQUIPMENT										
2312.B1	SCR MTL	FLUES AND DUCTS INCL. BREECHING	100	TN	-75.00 MTL		-8,000	2.672	267	57.14 WEQP	15,000	17,000
2312.B2	--- MTL	PRECIPITATOR							N/A			
2312.B3		ID, FD FANS & MOTORS							INCL. ACCT. 2312.A			
2312.B4	SCR MTL	REMOVAL OF STEEL STACK	30	TN	-75.00 MTL		-2,000	2.025	61	57.14 WEQP	3,000	1,000
2312.B5	--- SLD	FOUNDATIONS (2 FT BELOW GRADE) FOR DRAFT EQUIPMENT	200	CY	CONC			1.080	216	60.06 WCON	13,000	13,000
2312.C		FEED WATER SYSTEM										
2312.C1	SCR MTL	FEED WATER DEAERATING EQUIPMENT	70	TN	-75.00 MTL		-5,000	2.025	142	57.14 WEQP	8,000	3,000
2312.C2		CONDENSATE TANKS							INCL. ACCT. 2316.B			
2312.D		WATER TREATMENT SYSTEM										
2312.D1	SCR MTL	WATER TREATMENT, DEMINERAL., CHEMICAL TREATMENT EQUIPMENT	100	TN	-75.00 MTL		-8,000	2.025	203	57.14 WEQP	12,000	4,000
2312.F		FUEL OIL EQUIPMENT							INCL. ACCT. 5312.F			
2312.G	SCR MTL	BOILER PLANT PIPING AND HANGERS	250	TN	-75.00 MTL		-19,000	2.025	506	57.14 WEQP	29,000	10,000

F E R C A C C O U N T S D E T A I L S

312.2: UNIT 2 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS	WAGE RATE		LABOR COST
2312.N	ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION										
		TOTAL 312.2					-143,000		4,129		240,000	97,000

INCL. ACCT. 2311.A94

F E R C A C C O U N T S D E T A I L S

312.3: UNIT 3 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE
331		UNIT # 3									
3311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS									
3311.A		MAIN POWER BLOCK DEMOLITION (1,390,445 CF)									
3311.A9		DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL									
3311.A94	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION	1	LS				PREVIOUSLY REMOVED			
3312		BOILER PLANT									
3312.A	SCR MTL	BOILER AND APPURTENANCES	1350	TN	-75.00 MTL	-101,000	2.025	2734	58.50 WBLR	160,000	59,000
3312.B		DRAFT EQUIPMENT									
3312.B1	SCR MTL	FLUES AND DUCTS INCL. BREECHING	100	TN	-75.00 MTL	-8,000	2.672	267	57.14 WEGP	15,000	7,000
3312.B2	--- MTL	PRECIPITATOR						N/A			
3312.B3		ID, FD FANS & MOTORS						INCL. ACCT. 3312.A			
3312.B4	SCR MTL	REMOVAL OF STEEL STACK	30	TN	-75.00 MTL	-2,000	2.025	61	57.14 WEGP	3,000	1,000
3312.B5	--- SLD	FOUNDATIONS (2 FT BELOW GRADE) FOR DRAFT EQUIPMENT	200	CY	CONC		1.080	216	60.06 WCON	13,000	13,000
3312.C		FEED WATER SYSTEM									
3312.C1	SCR MTL	FEED WATER DEAERATING EQUIPMENT	70	TN	-75.00 MTL	-5,000	2.025	142	57.14 WEGP	8,000	3,000
3312.C2		CONDENSATE TANKS						INCL. ACCT. 3316.B			
3312.D		WATER TREATMENT SYSTEM									
3312.D1	SCR MTL	WATER TREATMENT, DEMINERAL., CHEMICAL TREATMENT EQUIPMENT	100	TN	-75.00 MTL	-8,000	2.025	203	57.14 WEGP	12,000	4,000
3312.F		FUEL OIL EQUIPMENT						INCL. ACCT. 5312.F			
3312.G	SCR MTL	BOILER PLANT PIPING AND HANGERS	250	TN	-75.00 MTL	-19,000	2.025	506	57.14 WEGP	29,000	10,000



F E R C A C C O U N T S D E T A I L S

312.C: MATERIAL HANDLING - COMMON FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
531		COMMON FACILITIES										
5312.F		FUEL OIL EQUIPMENT										
5312.F1	SCR MTL	FUEL AND LUBE OIL STORAGE TANKS - 1 EA @ 80,000BRL, 1 EA @ 55,000BRL	817	TN	-75.00 MTL		-61,000	2.672	2183	57.14 WEQP	125,000	64,000
5312.F2	SCR MTL	MISCELLANEOUS FUEL OIL EQUIPMENT	390	TN	-75.00 MTL		-29,000	2.672	1042	57.14 WEQP	60,000	31,000
5312.F3		FUEL OIL EQUIPMENT FOUNDATIONS							INCL. ACCT. 5311.B6			
5312.J	SCR MTL	MISCEL. STORAGE TANKS AND PUMPS	300	TN	-75.00 MTL		-23,000	2.672	802	57.14 WEQP	46,000	23,000
5312.M		FUEL EQUIPMENT - MATERIAL HANDLING										
5312.M1	---	CONVEYORS INCLUDING TRUSSES, BENTS, EQUIPMENT							N/A			
5312.M2	---	BUILDINGS AND TOWERS							N/A			
5312.M3	---	FOUNDATIONS (2 FT BELOW GRADE)							N/A			
		TOTAL 312.C					-113,000		4,027		231,000	118,000



F E R C A C C O U N T S D E T A I L S

314.1: UNIT 1 - TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST
131		UNIT # 1										
1314		TURBINE PLANT										
1314.B		TURBINE GENERATOR UNIT AND ACCESSORIES										
1314.B1	SCR MTL	TURBINE GENERATOR	350	TN	-75.00 MTL		-26,000	2.025	709	57.14 WEGP	41,000	15,000
1314.B2	SCR MTL	CONDENSER	160	TN	-75.00 MTL		-12,000	2.025	324	57.14 WEGP	19,000	7,000
1314.B3	--- SLD	TURBINE PEDESTAL	775	CY		CONC		1.800	1395	60.06 WCON	84,000	84,000
1314.B4		TURBINE PLANT PIPING AND HANGERS						INCL.	ACCT.	1312.G		
1314.C		CIRCULATING WATER SYSTEM										
1314.C1	SCR MTL	CIRCULATING WATER SYSTEM EQUIPMENT - PUMPS, MOTORS, SWITCHGEAR, TRAV.	100	TN	-75.00 MTL		-8,000	2.025	203	57.14 WEGP	12,000	4,000
1314.C2	--- SLD	CIRCULATING WATER SYSTEM PIPING AND TUNNELS	1	LS				480.000	480	60.06 WCON	29,000	29,000
1314.C3	--- MTL	INTAKE RACKS, MISC.						INCL.	ACCT.	1314.C1		
1314.C4	SCR MTL	10 TN GANTRY CRANE	20	TN	-75.00 MTL		-2,000	2.025	41	57.14 WEGP	2,000	
1314.C5		COOLING WATER TOWER						N/A				
TOTAL 314.1							-48,000		3,152		187,000	139,000

F E R C A C C O U N T S D E T A I L S

314.2: UNIT 2 - TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
231		UNIT # 2										
2314		TURBINE PLANT										
2314.B		TURBINE GENERATOR UNIT AND ACCESSORIES										
2314.B1	SCR MTL	TURBINE GENERATOR	350	TN	-75.00		-26,000	2.025	709	57.14	41,000	15,000
					MTL					WEQP		
2314.B2	SCR MTL	CONDENSER	160	TN	-75.00		-12,000	2.025	324	57.14	19,000	7,000
					MTL					WEQP		
2314.B3	--- SLD	TURBINE PEDESTAL	775	CY				1.800	1395	60.06	84,000	84,000
					CONC					WCON		
2314.B4		TURBINE PLANT PIPING AND HANGERS						INCL.	ACCT.	2312.G		
2314.C		CIRCULATING WATER SYSTEM										
2314.C1	SCR MTL	CIRCULATING WATER SYSTEM EQUIPMENT - PUMPS, MOTORS, SWITCHGEAR, TRAV	100	TN	-75.00		-8,000	2.025	203	57.14	12,000	4,000
					MTL					WEQP		
2314.C2	--- SLD	CIRCULATING WATER SYSTEM PIPING AND TUNNELS	1	LS				480.000	480	60.06	29,000	29,000
										WCON		
2314.C3	--- MTL	INTAKE RACKS, MISC.						INCL.	ACCT.	2314.C1		
2314.C4	--- MTL	10 TN GANTRY CRANE						INCL.	ACCT.	1314.C4		
					MTL							
2314.C5		COOLING WATER TOWER						N/A				
TOTAL 314.2							-46,000		3,111		185,000	139,000

F E R C A C C O U N T S D E T A I L S

314.3: UNIT 3 - TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	* * * M A T E R I A L * * *			* * * L A B O R * * *		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST
331		UNIT # 3										
3314		TURBINE PLANT										
3314.B		TURBINE GENERATOR UNIT AND ACCESSORIES										
3314.B1	SCR MTL	TURBINE GENERATOR	350	TN	-75.00 MTL		-26,000	2.025	709	57.14 WEQP	41,000	15,000
3314.B2	SCR MTL	CONDENSER	160	TN	-75.00 MTL		-12,000	2.025	324	57.14 WEQP	19,000	7,000
3314.B3	--- SLD	TURBINE PEDESTAL	775	CY		CONC		1.800	1395	60.06 WCON	84,000	84,000
3314.B4		TURBINE PLANT PIPING AND HANGERS						INCL.	ACCT.	3312.G		
3314.C		CIRCULATING WATER SYSTEM										
3314.C1	SCR MTL	CIRCULATING WATER SYSTEM EQUIPMENT - PUMPS, MOTORS, SWITCHGEAR, TRAV.	100	TN	-75.00 MTL		-8,000	2.025	203	57.14 WEQP	12,000	4,000
3314.C2	--- SLD	CIRCULATING WATER SYSTEM PIPING AND TUNNELS	1	LS				480.000	480	60.06 WCON	29,000	29,000
3314.C3	--- MTL	INTAKE RACKS, MISC.						INCL.	ACCT.	3314.C1		
3314.C4	--- MTL	10 TN GANTRY CRANE				MTL		INCL.	ACCT.	1314.C4		
3314.C5		COOLING WATER TOWER						N/A				
		TOTAL 314.3					-46,000		3,111		185,000	139,000

F E R C A C C O U N T S D E T A I L S

315.1: UNIT 1 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE MNHRS	
131		UNIT # 1						
1315		ACCESSORY ELECTRICAL EQUIPMENT						
1315.A	SCR MTL	GENERATOR BUS TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	125 TN	-75.00 MTL		-9,000	2.672 334 57.14 WEQP	19,000 10,000
1315.B		CABLE TRAYS & DUCTRUNS					INCL. ACCT, 5311.C	
1315.C	— SLD	TRANSFORMER FOUNDATIONS & FIRE WALLS, CURBS, PIERS, BASIN INCL. TRANSFER CAR	465 CY		CONC		1.080 502 60.06 WCON	30,000 30,000
1317		SCRAP VALUE						
1317.B	SCR SCR	SCRAP VALUE OF COPPER	40000 LB	-1.00 SCRC		-40,000		-40,000
TOTAL 315.1						-49,000	836 49,000	

F E R C   A C C O U N T S   D E T A I L S

315.2:    UNIT 2 - ACCESSORY ELECTRICAL  
          EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
231		UNIT # 2										
2315		ACCESSORY ELECTRICAL EQUIPMENT										
2315.A	SCR MTL	GENERATOR BUS TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	95	TN	-75.00 MTL		-7,000	2.672	254	57.14 WEQP	15,000	8,000
2315.B		CABLE TRAYS & DUCTRUNS						INCL.	ACCT.	5311.C		
2315.C	— SLB	TRANSFORMER FOUNDATIONS & FIRE WALLS, CURBS, PIERS, BASIN INCL. TRANSFER CAR	465	CY		CONC		1.080	502	60.06 WCON	30,000	30,000
2317		SCRAP VALUE										
2317.B	SCR SCR	SCRAP VALUE OF COPPER	30000	LB	-1.00 SCRC		-30,000					-30,000
TOTAL 315.2							-37,000		756		45,000	8,000

F E R C A C C O U N T S D E T A I L S

315.3: UNIT 3 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
				MATERIAL RATE	EQUIPMENT COST	MNHR RATE	MNHR WAGE RATE	
331		UNIT # 3						
3315		ACCESSORY ELECTRICAL EQUIPMENT						
3315.A	SCR MTL	GENERATOR BUS TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	95 TN	-75.00 MTL	-7,000	2.672	254 57.14 WEQP	15,000 8,000
3315.B		CABLE TRAYS & DUCTRUNS					INCL. ACCT. 5311.C	
3315.C	SLD	TRANSFORMER FOUNDATIONS & FIRE WALLS, CURBS, PIERS, BASIN INCL. TRANSFER CAR	465 CY	CONC		1.080	502 60.06 WCON	30,000 30,000
3317		SCRAP VALUE						
3317.B	SCR SCR	SCRAP VALUE OF COPPER	30000 LB	-1.00 SCRC	-30,000			-30,000
TOTAL 315.3					-37,000		756 45,000	8,000

F E R C A C C O U N T S D E T A I L S

315.C: COMMON - ACCESSORY ELECTRICAL  
EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	
531		COMMON FACILITIES							
5315		ACCESSORY ELECTRICAL EQUIPMENT							
5315.A	SCR MTL	STATION AUXILIARY TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	60	TN	-75.00 MTL		-5,000	2.672 160 57.14 WEQP	9,000 4,000
5315.B		CABLE TRAYS & DUCTRUNS						INCL. ACCT. 5311.C	
5315.C	--- SLD	TRANSFORMER YARD FOUNDATIONS, FIRE WALLS, PIERS, CURBS	50	CY		CONC		1.080 54 60.06 WCON	3,000 3,000
5317		SCRAP VALUE							
5317.B	SCR SCR	SCRAP VALUE OF COPPER	30000	LB	-1.00 SCRC		-30,000		-30,000
TOTAL 315.C							-35,000	214 12,000	-23,000

F E R C   A C C O U N T S   D E T A I L S

316.1:    UNIT 1 - MISC. POWER PLANT EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNRS	WAGE RATE	LABOR COST
131		UNIT # 1										
1316		MISCELLANEOUS POWER PLANT EQUIPMENT										
1316.A	SCR MTL	MISCELLANEOUS POWER PLANT EQUIPMENT	120	TN	-75.00 MTL		-9,000	2.025	243	57.14 WEQP	14,000	5,000
1316.B	SCR MTL	MISC. SMALL TANKS	38	TN	-75.00 MTL		-3,000	2.672	102	57.14 WEQP	6,000	3,000
1316.C	--- MTL	TURBINE ROOM O.H. CRANE 75/20 TON	1	EA				225.000	225	54.31 WSTL	12,000	12,000
1316.G	--- MTL	BALANCE OF PLANT PIPING AND HANGERS	1	LT				187.500	188	57.14 WEQP	11,000	11,000
TOTAL 316.1							-12,000		758		43,000	31,000



F E R C A C C O U N T S D E T A I L S

316.2: UNIT 2 - MISC. POWER PLANT EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE	LABOR COST
231		UNIT # 2										
2316		MISCELLANEOUS POWER PLANT EQUIPMENT										
2316.A	SCR MTL	MISCELLANEOUS POWER PLANT EQUIPMENT	120	TN	-75.00 MTL		-9,000	2.025	243	57.14 WEQP	14,000	5,000
2316.B	SCR MTL	MISC. SMALL TANKS	38	TN	-75.00 MTL		-3,000	2.672	102	57.14 WEQP	6,000	3,000
2316.C	--- MTL	TURBINE ROOM O.H. CRANE 75/20 TON								INCL. ACCT. 1316.C		
2316.G	--- MTL	BALANCE OF PLANT PIPING AND HANGERS	1	LT				187.500	188	57.14 WEQP	11,000	11,000
		TOTAL 316.2					-12,000		533		31,000	19,000

F E R C A C C O U N T S D E T A I L S

316.3: UNIT 3 - MISC. POWER PLANT EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNRS	WAGE RATE	LABOR COST
331		UNIT # 3										
3316		MISCELLANEOUS POWER PLANT EQUIPMENT										
3316.A	SCR MTL	MISCELLANEOUS POWER PLANT EQUIPMENT	120	TN	-75.00 MTL		-9,000	2.025	243	57.14 WEGP	14,000	5,000
3316.B	SCR MTL	MISC. SMALL TANKS	8	TN	-75.00 MTL		-1,000	2.672	21	57.14 WEGP	1,000	
3316.C	---	TURBINE ROOM O.H. CRANE										
	MTL	75/20 TON										
3316.G	---	BALANCE OF PLANT PIPING	1	LT				187.500	188	57.14 WEGP	11,000	11,000
	MTL	AND HANGERS										
		TOTAL 316.3					-10,000		452		26,000	16,000

INCL. ACCT. 1316.C

F E R C A C C O U N T S D E T A I L S

341.C: PEAKERS COMMON FACILITIES -  
STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST				
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST	
631		STATION PEAKERS COMMON FACILITIES											
6311		STRUCTURES & IMPROVEMENTS - DEMOLITION AND MODIFICATION											
6311.1		COMB. TURBINE STRUCTURE DEMOLITION							INCL. ACCT. 610				
6311.2		SITE WORK AND SITE STRUCTURE DEMOLITION											
6311.21		SITE EXCAVATION							INCL. ACCT. 5311.A				
6311.22		ROADS & PAVEMENTS											
6311.221	---	PAVED SURFACES	2900	SY			0.120	348	79.80	28,000	28,000		
	SLD				PVMT				WSIT				
6311.222	---	CONCRETE WALKWAYS	140	CY			0.525	74	60.06	4,000	4,000		
	SLD				CONC				WCON				
6311.23	---	FENCES AND GATES											
	MTL									REMAIN IN PLACE			
6311.3		OUTLYING STRUCTURES DEMOLITION											
6311.31	---	MISC. SITE BUILDINGS	2000	CF			0.006	12	62.58	1,000	1,000		
	SLD				BLDG				WMSR				
6311.32	---	TANK FOUNDATIONS	80	CY			1.125	90	60.06	5,000	5,000		
	SLD				CONC				WCON				
6311.33	---	MISC. EQUIPMENT AND SITE BUILDINGS FOUNDATIONS	120	CY			1.125	135	60.06	8,000	8,000		
	SLD				CONC				WCON				
6311.4		OFF-SITE DISPOSAL									INCL. ACCT. 7311.C8		
6311.5		SITE FILL AND LANDSCAPING											
6311.51	---	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	6500	CY			0.050	325	79.80	26,000	26,000		
	SIT				FILL				WSIT				
6311.52	SIT	SEED & MULCH SITE	2	AC	1250.00		19.275	39	79.80	3,000	6,000		
	SIT				SEED	3,000			WSIT				
TOTAL 341.C										3,000	1,023	75,000	78,000

F E R C A C C O U N T S D E T A I L S

341.P: PEAKERS 1-4 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
610		STATION PEAKERS 1-4									
6101.1		COMB. TURBINE STRUCTURE DEMOLITION									
6101.11	--- SLD	COMB. TURBINE FOUNDATIONS -COMMON MAT AND PEDESTALS	1780 CY		CONC		1.125	2003	60.06 WCON	120,000	120,000
		TOTAL 341.P						2,003		120,000	120,000

F E R C A C C O U N T S D E T A I L S

342.C: PEAKERS COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE
631		STATION PEAKERS COMMON FACILITIES									
6312		EQUIPMENT									
6312.1		COMBUSTION TURBINES						INCL. ACCT. 610			
6312.3		FUEL OIL SYSTEM									
6312.31	SCR MTL	FUEL OIL STORAGE TANKS - 1 EA - 10,000BRL, 1 - 15,000BRL	220	TN	-75.00 MTL	-17,000	2.672	588	57.14 WEQP	34,000	17,000
6312.32		MISCEL.LUBE OIL STORAGE						INCL. ACCT. 6110.31			
6312.4		WATER TREATMENT SYSTEM						N/A			
6312.5	SCR MTL	FUEL OIL & MISC. PIPING	60	TN	-75.00 MTL	-5,000	2.025	122	57.14 WEQP	7,000	2,000
TOTAL 342.C						-22,000		710		41,000	19,000

F E R C A C C O U N T S D E T A I L S

344.P: PEAKERS 1-4 - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
610		STATION PEAKERS 1-4										
6102.?		COMBUSTION TURBINES 1-4										
6102.11	SCR MTL	COMBUSTION TURBINES WORTHINGTON 2EA @ 33.8MW, 2EA @ 42.9MW	950	TN	-75.00 MTL		-71,000	3.570	3392	57.14 WEQP	194,000	123,000
		TOTAL 344.P					-71,000		3,392		194,000	123,000

F E R C A C C O U N T S D E T A I L S

345.P: PEAKERS 1-4 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE	LABOR COST
610		STATION PEAKERS 1-4										
6102.1		COMBUSTION TURBINES 1-4										
6102.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	300	TN	-75.00 MTL		-23,000	3.570	1071	57.14 WEQP	61,000	38,000
6107		SCRAP VALUE										
6107.B	SCR SCR	SCRAP VALUE OF COPPER	40000	LB	-1.00 SCRC		-40,000					-40,000
TOTAL 345.P							-63,000		1,071		61,000	-2,000

F E R C A C C O U N T S D E T A I L S

IND: INDIRECT EXPENSES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** L A B O R ***		TOTAL COST
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE MNHRS WAGE RATE LABOR COST	
900	---	INDIRECT EXPENSES							
	IND								
900.1	---	FPC INDIRECT EXPENSES	1	LS					
	IND								
900.11	---	FPC ENGINEERING ALLOCATION	1	LS				104,000	104,000
	IND								
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1	LS				43,000	43,000
	IND								
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1	LS				163,000	163,000
	IND								
900.14	---	WRAP-UP AND RISK INSURANCE	1	LS				6,000	6,000
	IND								
900.15	---	FPC SUPERVISION	1	LS				130,000	130,000
	IND								
900.16	---	SECURITY SERVICES	1	LS				169,000	169,000
	IND								
900.17	---	A/E ENGINEERING, DIRECT (ENG'G SUPPORT AND RECORDS CLOSE-OUT)	1	LS				98,000	98,000
	IND								
900.18	---	PERMITS	1	LS				21,000	21,000
	IND								
		TOTAL IND						734,000	734,000



# **APPENDIX L**

**Intercession City  
Cost Estimate**

2004 FOSSIL PLANT DISMANTLEMENT STUDY

CONCEPTUAL COST ESTIMATE

PREPARED FOR  
FLORIDA POWER CORPORATION  
INTERCESSION CITY PEAKERS  
UNITS P1 THRU P14

SARGENT & LUNDY

ESTIMATE NO. 16423E  
PROJECT NO. 11732000  
December 02, 2004

REVIEWED BY:

APPROVED BY:


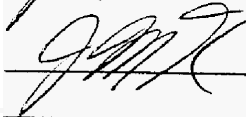
  


TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	4

Sargent & Lundy  
Chicago

# C O S T   S U M M A R Y   R E P O R T

FLORIDA POWER CORPORATION  
INTERCESSION CITY PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
Estimate No: 16423E  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 02DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
610	STATION PEAKERS 1 - 6		-268,000	824,000	556,000
611	STATION PEAKERS 7 - 10		-238,000	1,456,000	1,218,000
613	STATION PEAKER 11		-65,000	193,000	128,000
614	STATION PEAKERS 12 - 14		-179,000	1,092,000	913,000
631	STATION PEAKERS COMMON FACILITIES		-262,000	2,093,000	1,831,000
731	OFF-SITE DISPOSAL			853,000	853,000
	TOTAL CONSTRUCTION COSTS		-1,012,000	6,511,000	5,499,000
	INDIRECT EXPENSES				715,000
	ESCALATION				
	SALES/USE TAX				
	CONTINGENCY				932,000
	TOTAL PROJECT COST AFUDC				7,146,000
	GRAND TOTAL COST				7,146,000
	FINANCIAL ASSUMPTIONS:				
	ESCALATION RATES: Equipment	0.000%			
	Material	0.000%			
	Labor	0.000%			
	Indirects	0.000%			
	SALES/USE TAX RATES: Equipment	0.000%	Material	0.000%	
	CONTINGENCY RATES: Equipment	0.0%	Material	15.0%	Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

W O R K P A C K A G E S U M M A R Y  
FLORIDA POWER CORPORATION  
INTERCESSION CITY PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 2  
Estimate No: 16423E  
Project No: 11732000  
Prepared by: GA /JMK/

Price Level: 2004

Estimate Date: 02DEC04

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
DSL	OFF-SITE DISPOSAL			853,000	853,000
IND	INDIRECT COSTS			715,000	715,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			2,205,000	2,205,000
SCR	SCRAP VALUE		-1,038,000		-1,038,000
SIT	SITE WORK		26,000	625,000	651,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			2,828,000	2,828,000
	TOTAL CONSTRUCTION COSTS		-1,012,000	7,226,000	6,214,000
	INDIRECT EXPENSES				(included above)
	ESCALATION				
	SALES/USE TAX				
	CONTINGENCY				932,000
	TOTAL PROJECT COST				7,146,000
	AFUDC				
	GRAND TOTAL COST				7,146,000
	FINANCIAL ASSUMPTIONS:				
	ESCALATION RATES: Equipment	0.000%			
	Material	0.000%			
	Labor	0.000%			
	Indirects	0.000%			
	SALES/USE TAX RATES: Equipment	0.000%	Material	0.000%	
	CONTINGENCY RATES: Equipment	0.0%	Material	15.0%	Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

F E R C A C C O U N T S S U M M A R Y

FLORIDA POWER CORPORATION  
INTERCESSION CITY PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
Estimate No: 16423E  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 02DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
341.C	PEAKERS COMMON SITE FACILITIES - STRUCTURES AND IMPROVEMENTS		26,000	2,371,000	2,397,000
341.P1	PEAKERS 1-6 - STRUCTURES AND IMPROVEMENTS			232,000	232,000
341.P2	PEAKER 7-11 - STRUCTURES AND IMPROVEMENTS			1,703,000	1,703,000
342.C	PEAKERS COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT		-288,000	575,000	287,000
344.P1	PEAKERS 1-6 - GAS TURBINE PLANT		-180,000	490,000	310,000
344.P2	PEAKERS 7-11 - GAS TURBINE PLANT		-307,000	834,000	527,000
345.P1	PEAKERS 1-6 - ACCESSORY ELECTRICAL EQUIPMENT		-88,000	102,000	14,000
345.P2	PEAKERS 7-11- ACCESSORY ELECTRICAL EQUIPMENT		-175,000	204,000	29,000
IND	INDIRECT EXPENSES			715,000	715,000
	TOTAL CONSTRUCTION COSTS		-1,012,000	7,226,000	6,214,000

Sargent & Lundy  
Chicago

F E R C A C C O U N T S D E T A I L S

FLORIDA POWER CORPORATION  
INTERCESSION CITY PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 4  
Estimate No: 16423E  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 02DEC04

Price Level: 2004

341.C: PEAKERS COMMON SITE FACILITIES -  
STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	
631		STATION PEAKERS COMMON FACILITIES							
6311		STRUCTURES & IMPROVEMENTS - DEMOLITION AND MODIFICATION							
6311.1		COMB. TURBINE STRUCTURE DEMOLITION							INCL. ACCTS 610,611
6311.2		SITE WORK AND SITE STRUCTURE DEMOLITION							
6311.21		SITE EXCAVATION							
6311.211	---	OILY SAND AND SOIL UNDER TANK FARMS - 2' DEEP	14500	CY		EXC			INCL. ACCT, 7311.41
6311.212	---	BERMS AND DIKES EXCAVATION	5200	CY		EXC	0.060	312 79.80 WSIT	25,000 25,000
6311.213	---	BORROW EXCAVATION	59400	CY		EXC	0.060	3564 79.80 WSIT	284,000 284,000
6311.214	---	FILL	64600	CY					INCL. ACCT. 5311.51
6311.22		ROADS & PAVEMENTS							
6311.221	---	PAVED SURFACES	11300	SY		PVMT	0.120	1356 79.80 WSIT	108,000 108,000
6311.222	---	CONCRETE PAVEMENT & WALKWAYS	2500	CY		CONC	0.525	1313 60.06 WCON	79,000 79,000
6311.223	---	SYNTETIC LINER IN TANK FARM AREA	26000	SY		PVMT	0.120	3120 79.80 WSIT	249,000 249,000
6311.23	---	FENCES AND GATES	6300	LF		FENC	0.025	158 79.80 WSIT	13,000 13,000
6311.3		OUTLYING STRUCTURES DEMOLITION							
6311.31	---	MISC. SITE BUILDINGS							
6311.311	---	MAINTENANCE & WAREHOUSE BUILDING	16800	CF		BLDG	0.006	101 62.58 WMSR	6,000 6,000

F E R C A C C O U N T S D E T A I L S

341.C: PEAKERS COMMON SITE FACILITIES -  
STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	*** WAGE RATE	LABOR COST	TOTAL COST
6311.312	--- SLD	COMMON SERVICE BUILDING	176640	CF				0.006	1060	62.58 WMSR	66,000	66,000
6311.313	--- SLD	WATER TREATMENT BUILDING	138600	CF				0.006	832	62.58 WMSR	52,000	52,000
6311.314	--- SLD	JET REPAIR BLDG.	62500	CF				0.006	375	62.58 WMSR	23,000	23,000
6311.315	--- SLD	WAREHOUSE BLDG.	126000	CF				0.006	756	62.58 WMSR	47,000	47,000
6311.316	--- SLD	MISC. SITE BUILDINGS	22600	CF				0.006	136	62.58 WMSR	9,000	9,000
6311.32	--- SLD	TANK FOUNDATIONS & BERMS	2360	CY				1.125	2655	60.06 WCON	159,000	159,000
6311.33	--- SLD	MISC. EQUIPMENT AND SITE BUILDINGS FOUNDATIONS	1410	CY				1.125	1586	60.06 WCON	95,000	95,000
6311.5		SITE FILL AND LANDSCAPING										
6311.51	--- SIT	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	67830	CY				0.050	3392	79.80 WSIT	271,000	271,000
6311.52	SIT SIT	SEED & MULCH SITE	21	AC	1250.00 SEED		26,000	19.275	405	79.80 WSIT	32,000	58,000
731		OFF-SITE DISPOSAL										
7311.4		OFF-SITE DISPOSAL										
7311.41	--- DSL	SPECIAL WASTE - NON-HAZ. CONTAMINATED SOIL - EXCAVATE, TRANSPORT &	14500	CY				0.433	6279	124.63 DSLG	783,000	783,000
7311.42	--- DSL	EXCESS OF SOLID DEBRIS - TRANSPORT & DISPOSAL						N/A				
7311.43	--- DSL	RUBBISH AND TENANT DEBRIS - TRANSPORT & DISPOSAL	6000	CY				0.090	540	128.94 DDBR	70,000	70,000
7311.44		DETENTION POND - "VOID"	2800	CY								
		TOTAL 341.C					26,000		27,940		2,371,000	2,397,000



F E R C A C C O U N T S D E T A I L S

341.P1: PEAKERS 1-6 - STRUCTURES AND IMPROVEMENTS
---

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
610		STATION PEAKERS 1 - 6										
6101.1		COMB. TURBINE STRUCTURE DEMOLITION										
6101.11	--- SLD	COMB. TURBINE FOUNDATIONS - COMMON MAT AND PEDESTALS	3440	CY				1.125	3870	60.06	232,000	232,000
					CONC					WCON		
TOTAL 341.P1									3,870		232,000	232,000

F E R C A C C O U N T S D E T A I L S

341.P2: PEAKER 7-11 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
611		STATION PEAKERS 7 - 10										
6111.1		COMB. TURBINE STRUCTURE DEMOLITION										
6111.11	--- SLD	COMB.TURBINE FOUNDATIONS -COMMON MAT AND PEDESTALS	14000	CY		CONC		1.125	15750	60.06 WCON	946,000	946,000
613		STATION PEAKER 11										
6131.1		COMB. TURBINE STRUCTURE DEMOLITION										
6131.11	--- SLD	COMB.TURBINE FOUNDATIONS -COMMON MAT AND PEDESTALS	710	CY		CONC		1.125	799	60.06 WCON	48,000	48,000
614		STATION PEAKERS 12 - 14										
6141.1		COMB. TURBINE STRUCTURE DEMOLITION										
6141.11	--- SLD	COMB.TURBINE FOUNDATIONS -COMMON MAT AND PEDESTALS	10500	CY		CONC		1.125	11813	60.06 WCON	709,000	709,000
TOTAL 341.P2									28,362		1,703,000	1,703,000

F E R C A C C O U N T S D E T A I L S

342.C: PEAKERS COMMON FACILITIES - FUEL OIL  
& BOP EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR
631		STATION PEAKERS COMMON FACILITIES								
6312		EQUIPMENT								
6312.1		COMBUSTION TURBINES						INCL. ACCTS 610,611		
6312.3		FUEL OIL SYSTEM								
6312.31	SCR MTL	FUEL OIL STORAGE TANKS - 3 EA - 100,000BRL	2420	TN	-75.00 MTL		-182,000	2.672 6466 57.14 WEQP	369,000	187,000
6312.32	SCR MTL	MISCEL. STORAGE TANKS & PUMPS (DEMIN. ETC)	1100	TN	-75.00 MTL		-83,000	2.672 2939 57.14 WEQP	168,000	85,000
6312.4	SCR MTL	WATER TREATMENT SYSTEM	100	TN	-75.00 MTL		-8,000	2.672 267 57.14 WEQP	15,000	7,000
6312.5	SCR MTL	FUEL OIL & MISC. PIPING	200	TN	-75.00 MTL		-15,000	2.025 405 57.14 WEQP	23,000	8,000
TOTAL 342.C							-288,000	10,077	575,000	287,000

F E R C A C C O U N T S D E T A I L S

344.P1: PEAKERS 1-6 - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNRS	WAGE RATE	LABOR COST
610		STATION PEAKERS 1 - 6										
6102.1		COMBUSTION TURBINES 1-6										
6102.11	SCR MTL	COMBUSTION TURBINES GE 6EA @ 56.7MW	2400	TN	-75.00 MTL		-180,000	3.570	8568	57.14 WEQP	490,000	310,000
		TOTAL 344.P1					-180,000		8,568		490,000	310,000

F E R C A C C O U N T S D E T A I L S

344.P2: PEAKERS 7-11 - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		WAGE RATE	LABOR COST
611		STATION PEAKERS 7 - 10								
6112.1		COMBUSTION TURBINES 7-10								
6112.11	SCR MTL	COMBUSTION TURBINES GE 4EA @ 85.4MW	2000 TN	-75.00 MTL		-150,000	3.570 7140	57.14 WEQP	408,000	258,000
613		STATION PEAKER 11								
6132.1		COMBUSTION TURBINE 11								
6132.11	SCR MTL	COMBUSTION TURBINE ABB V84.3 1@ 153.4 MW	588 TN	-75.00 MTL		-44,000	3.570 2099	57.14 WEQP	120,000	76,000
614		STATION PEAKERS 12 - 14								
6142.1		COMBUSTION TURBINES 7-10								
6142.11	SCR MTL	COMBUSTION TURBINES GE 4EA @ 85.4MW	1500 TN	-75.00 MTL		-113,000	3.570 5355	57.14 WEQP	306,000	193,000
TOTAL 344.P2						-307,000	14,594	834,000	527,000	

F E R C A C C O U N T S D E T A I L S

345.P1: PEAKERS 1-6 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MNHR RATE	MNHR WAGE		LABOR COST	
610		STATION PEAKERS 1 - 6									
6102.1		COMBUSTION TURBINES 1-6									
6102.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	500	TN	-75.00 MTL		-38,000	3.570 1785	57.14 WEQP	102,000	64,000
6107		SCRAP VALUE									
6107.B	SCR SCR	SCRAP VALUE OF COPPER	50000	LB	-1.00 SCRC		-50,000				-50,000
TOTAL 345.P1							-88,000	1,785		102,000	14,000

F E R C A C C O U N T S D E T A I L S

345.P2: PEAKERS 7-11- ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	WAGE RATE	*** LABOR COST	TOTAL COST
611		STATION PEAKERS 7 - 10									
6112.1		COMBUSTION TURBINES 7-10									
6112.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	500 TN	-75.00 MTL		-38,000	3.570	1785	57.14 WEQP	102,000	64,000
6117		SCRAP VALUE									
6117.B	SCR SCR	SCRAP VALUE OF COPPER	50000 LB	-1.00 SCRC		-50,000					-50,000
613		STATION PEAKER 11									
6132.1		COMBUSTION TURBINE 11									
6132.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	125 TN	-75.00 MTL		-9,000	3.570	446	57.14 WEQP	25,000	16,000
6137		SCRAP VALUE									
6137.B	SCR SCR	SCRAP VALUE OF COPPER	12000 LB	-1.00 SCRC		-12,000					-12,000
614		STATION PEAKERS 12 - 14									
6142.1		COMBUSTION TURBINES 7-10									
6142.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	375 TN	-75.00 MTL		-28,000	3.570	1339	57.14 WEQP	77,000	49,000
6147		SCRAP VALUE									
6147.B	SCR SCR	SCRAP VALUE OF COPPER	37500 LB	-1.00 SCRC		-38,000					-38,000
TOTAL 345.P2						-175,000		3,570		204,000	29,000

F E R C A C C O U N T S D E T A I L S

IND: INDIRECT EXPENSES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE MNHRS	
900	---	INDIRECT EXPENSES							
	IND								
900.1	---	FPC INDIRECT EXPENSES	1	LS					
	IND								
900.11	---	FPC ENGINEERING ALLOCATION	1	LS				104,000	104,000
	IND								
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1	LS				23,000	23,000
	IND								
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1	LS				164,000	164,000
	IND								
900.14	---	WRAP-UP AND RISK INSURANCE	1	LS				4,000	4,000
	IND								
900.15	---	FPC SUPERVISION	1	LS				131,000	131,000
	IND								
900.16	---	SECURITY SERVICES	1	LS				170,000	170,000
	IND								
900.17	---	A/E ENGINEERING, DIRECT (ENG'G SUPPORT AND RECORDS CLOSE-OUT)	1	LS				98,000	98,000
	IND								
900.18	---	PERMITS	1	LS				21,000	21,000
	IND								
		TOTAL IND						715,000	715,000



# **APPENDIX M**

## **Port St. Joe Cost Estimate**

2004 FOSSIL PLANT DISMANTLEMENT STUDY

CONCEPTUAL COST ESTIMATE

PREPARED FOR

FLORIDA POWER CORPORATION  
PORT ST. JOE PEAKER  
REVISED FOR THE SALE OF THE PEAKER TURBINE

SARGENT & LUNDY

ESTIMATE NO. 16424F  
PROJECT NO. 11732000  
December 01, 2004

REVIEWED BY: *JMR*

APPROVED BY: *JMR*

TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	4

Sargent & Lundy  
Chicago

C O S T S U M M A R Y R E P O R T

FLORIDA POWER CORPORATION  
PORT ST. JOE PEAKER  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
Estimate No: 16424F  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 01DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
610	STATION PEAKER (REMOVED FROM SITE)			11,000	11,000
631	STATION PEAKER COMMON FACILITIES		-3,000	78,000	75,000
731	OFF-SITE DISPOSAL			56,000	56,000
TOTAL CONSTRUCTION COSTS			-3,000	145,000	142,000
INDIRECT EXPENSES					73,000
ESCALATION					
SALES/USE TAX					
CONTINGENCY					32,000
TOTAL PROJECT COST AFUDC					247,000
GRAND TOTAL COST					247,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

WORK PACKAGE SUMMARY

FLORIDA POWER CORPORATION  
PORT ST. JOE PEAKER  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 2  
Estimate No: 16424F  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
DSL	OFF-SITE DISPOSAL			56,000	56,000
IND	INDIRECT COSTS			73,000	73,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			11,000	11,000
SCR	SCRAP VALUE		-6,000		-6,000
SIT	SITE WORK		3,000	38,000	41,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			40,000	40,000
TOTAL CONSTRUCTION COSTS			-3,000	218,000	215,000

INDIRECT EXPENSES	(included above)
ESCALATION	
SALES/USE TAX	
CONTINGENCY	32,000
TOTAL PROJECT COST	247,000
AFUDC	
GRAND TOTAL COST	247,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

F E R C   A C C O U N T S   S U M M A R Y

FLORIDA POWER CORPORATION  
PORT ST. JOE PEAKER  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
Estimate No: 16424F  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 01DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
341.C	PEAKER SITE FACILITIES - STRUCTURES AND IMPROVEMENTS		3,000	123,000	126,000
341.P	PEAKER - STRUCTURES AND IMPROVEMENTS			11,000	11,000
342.C	PEAKER COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT		-6,000	11,000	5,000
344.P	PEAKER - GAS TURBINE PLANT				
345.P	PEAKER - ACCESSORY ELECTRICAL EQUIPMENT				
IND	INDIRECT EXPENSES			73,000	73,000
	TOTAL CONSTRUCTION COSTS		-3,000	218,000	215,000

Sargent & Lundy  
Chicago

F E R C A C C O U N T S D E T A I L S

FLORIDA POWER CORPORATION  
PORT ST. JOE PEAKER  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 4  
Estimate No: 16424F  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 01DEC04

Price level: 2004

341.C: PEAKER SITE FACILITIES - STRUCTURES  
AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** L A B O R ***		TOTAL COST
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE MNHRS	
631		STATION PEAKER COMMON FACILITIES							
6311		STRUCTURES & IMPROVEMENTS - DEMOLITION AND MODIFICATION							
6311.1		COMB. TURBINE STRUCTURE DEMOLITION							INCL. ACCT. 610
6311.2		SITE WORK AND SITE STRUCTURE DEMOLITION							
6311.21		SITE EXCAVATION							
6311.211	---	OILY SAND AND SOIL UNDER TANK FARMS - 2' DEEP	1000	CY		EXC			
6311.212	---	BERMS AND DIKES EXCAVATION	1100	CY		EXC	0.060	66 79.80 WSIT	5,000 5,000
6311.213	---	BORROW EXCAVATION	4000	CY		EXC	0.060	240 79.80 WSIT	19,000 19,000
6311.214	---	FILL	2500	CY					INCL. ACCT. 6311.51
6311.22		ROADS & PAVEMENTS							
6311.221	---	ASPH. & GRAVEL PAVED SURFACES	1500	SY		PVMT	0.120	180 79.80 WSIT	14,000 14,000
6311.222	---	CONCRETE WALKWAYS	100	CY		CONC	0.525	53 60.06 WCON	3,000 3,000
6311.23	---	FENCES AND GATES	405	LF		FENC	0.025	10 79.80 WSIT	1,000 1,000
6311.3		OUTLYING STRUCTURES DEMOLITION							
6311.31	---	MISC. SITE BUILDINGS							N/A
6311.32	---	TANK & PUMPS FOUNDATIONS	140	CY		CONC	1.125	158 60.06 WCON	9,000 9,000
6311.33	---	MISC. EQUIPMENT AND SITE BUILDINGS FOUNDATIONS	50	CY		CONC	1.125	56 60.06 WCON	3,000 3,000

F E R C A C C O U N T S D E T A I L S

341.C: PEAKER SITE FACILITIES - STRUCTURES  
AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
6311.5		SITE FILL AND LANDSCAPING										
6311.51	--- SIT	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	2500	CY		FILL		0.050	125	79.80 WSIT	10,000	10,000
6311.52	SIT SIT	SEED & MULCH SITE	2	AC	1250.00	SEED	3,000	19.275	39	79.80 WSIT	3,000	6,000
731		OFF-SITE DISPOSAL										
7311.4		OFF-SITE DISPOSAL										
7311.41	--- DSL	SPECIAL WASTE - NON-HAZ. CONTAMINATED SOIL - EXCAVATE, TRANSPORT &	1000	CY		DISP		0.433	433	124.63 DSL6	54,000	54,000
7311.42	--- DSL	EXCESS OF SOLID DEBRIS - TRANSPORT & DISPOSAL								N/A		
7311.43	--- DSL	RUBBISH AND TENANT DEBRIS - TRANSPORT & DISPOSAL	200	CY		DISP		0.090	18	128.94 DDBR	2,000	2,000
		TOTAL 341.C					3,000		1,378		123,000	126,000



F E R C A C C O U N T S D E T A I L S

341.P: PEAKER - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE	
610		STATION PEAKER (REMOVED FROM SITE)								
6101.1		COMB. TURBINE STRUCTURE DEMOLITION								
6101.11	--- SLD	COMB. TURBINE FOUNDATIONS -COMMON MAT AND PEDESTALS	165 CY				1.125	186	60.06 WCON	11,000
TOTAL 341.P								186		11,000

F E R C A C C O U N T S D E T A I L S

342.C: PEAKER COMMON FACILITIES - FUEL OIL  
& BOP EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNRS	WAGE RATE	LABOR COST
631		STATION PEAKER COMMON FACILITIES										
6312		EQUIPMENT										
6312.1		COMBUSTION TURBINE								INCL. ACCT. 610		
6312.3		FUEL OIL SYSTEM										
6312.31	SCR MTL	FUEL OIL STORAGE TANK - 1 EA - 150,000GAL	60	TN	-75.00 MTL		-5,000	2.672	160	57.14 WEQP	9,000	4,000
6312.32		MISCEL.LUBE OIL STORAGE									INCL. ACCT. 5110,31	
6312.4		WATER TREATMENT SYSTEM									N/A	
6312.5	SCR MTL	FUEL OIL & MISC. PIPING	15	TN	-75.00 MTL		-1,000	2.025	30	57.14 WEQP	2,000	1,000
		TOTAL 342.C					-6,000		190		11,000	5,000

F E R C   A C C O U N T S   D E T A I L S

344.P:    PEAKER - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE	
610		STATION PEAKER (REMOVED FROM SITE)									
6102.1		COMBUSTION TURBINE									REMOVED PREVIOUSLY
6102.11	SCR MTL	COMBUSTION TURBINE GE 19.3MW			TN	MTL					REMOVED PREVIOUSLY WEQP
		TOTAL 344.P									

F E R C A C C O U N T S D E T A I L S

345.P: PEAKER - ACCESSORY ELECTRICAL EQUIPMENT
--

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	
610		STATION PEAKER (REMOVED FROM SITE)							
6102.1		COMBUSTION TURBINE							
6102.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT		TN		MTL			REMOVED PREVIOUSLY WEQP
6107		SCRAP VALUE							
6107.B	SCR SCR	SCRAP VALUE OF COPPER		LB		SCRC			N/A
		TOTAL 345.P							

F E R C A C C O U N T S D E T A I L S

IND: INDIRECT EXPENSES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE MNHRS	
900	---	INDIRECT EXPENSES						
	IND							
900.1	---	FPC INDIRECT EXPENSES	1 LS					
	IND							
900.11	---	FPC ENGINEERING ALLOCATION	1 LS					13,000 13,000
	IND							
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1 LS					1,000 1,000
	IND							
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1 LS					19,000 19,000
	IND							
900.14	---	WRAP-UP AND RISK INSURANCE	1 LS					1,000 1,000
	IND							
900.15	---	FPC SUPERVISION	1 LS					32,000 32,000
	IND							
900.16	---	SECURITY SERVICES	1 LS				N/R	
	IND							
900.17	---	A/E ENGINEERING, DIRECT (ENG'G SUPPORT AND RECORDS CLOSE-OUT)	1 LS				N/R	
	IND							
900.18	---	PERMITS	1 LS					7,000 7,000
	IND							
		TOTAL IND						73,000 73,000

# **APPENDIX N**

## **Rio Pinar Cost Estimate**

2004 FOSSIL PLANT DISMANTLEMENT STUDY

CONCEPTUAL COST ESTIMATE

PREPARED FOR  
FLORIDA POWER CORPORATION  
RIO PINAR PEAKER

SARGENT & LUNDY

ESTIMATE NO. 16425D  
PROJECT NO. 11732000  
December 01, 2004

REVIEWED BY: YMK

APPROVED BY: JML

TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	4



Sargent & Lundy  
Chicago

# C O S T   S U M M A R Y   R E P O R T

FLORIDA POWER CORPORATION  
RIO PINAR PEAKER  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
Estimate No: 164250  
Project No: 11732000  
Prepared by: GA /JMK/

Price level: 2004

Estimate Date: 01DEC04

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
610	STATION PEAKER		-33,000	72,000	39,000
631	STATION PEAKER COMMON FACILITIES		-3,000	132,000	129,000
731	OFF-SITE DISPOSAL			56,000	56,000
	TOTAL CONSTRUCTION COSTS		-36,000	260,000	224,000
	INDIRECT EXPENSES				310,000
	ESCALATION				
	SALES/USE TAX				
	CONTINGENCY				80,000
	TOTAL PROJECT COST AFUDC				614,000
	GRAND TOTAL COST				614,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

# WORK PACKAGE SUMMARY

FLORIDA POWER CORPORATION  
RIO PINAR PEAKER  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 2  
Estimate No: 16425D  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 01DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
DSL	OFF-SITE DISPOSAL			56,000	56,000
IND	INDIRECT COSTS			310,000	310,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			72,000	72,000
SCR	SCRAP VALUE		-39,000		-39,000
SIT	SITE WORK		3,000	48,000	51,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			84,000	84,000
	TOTAL CONSTRUCTION COSTS		-36,000	570,000	534,000

INDIRECT EXPENSES (included above)  
ESCALATION  
SALES/USE TAX  
CONTINGENCY 80,000

TOTAL PROJECT COST 614,000  
AFUDC

GRAND TOTAL COST 614,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

F E R C A C C O U N T S S U M M A R Y

FLORIDA POWER CORPORATION  
RIO PINAR PEAKER  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
Estimate No: 164250  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 010EC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
341.C	PEAKER SITE FACILITIES - STRUCTURES AND IMPROVEMENTS		3,000	177,000	180,000
341.P	PEAKER - STRUCTURES AND IMPROVEMENTS			11,000	11,000
342.C	PEAKER COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT		-6,000	11,000	5,000
344.P	PEAKER - GAS TURBINE PLANT		-19,000	51,000	32,000
345.P	PEAKER - ACCESSORY ELECTRICAL EQUIPMENT		-14,000	10,000	-4,000
IND	INDIRECT EXPENSES			310,000	310,000
	TOTAL CONSTRUCTION COSTS		-36,000	570,000	534,000



F E R C A C C O U N T S D E T A I L S

341.C: PEAKER SITE FACILITIES - STRUCTURES  
AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	* * * * M A T E R I A L * * * *			* * * * L A B O R * * * *		TOTAL COST				
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST		
6311.32	--- SLD	TANK & PUMPS FOUNDATIONS, & BERMS	270	CY				1.125	304	60.06 WCON	18,000	18,000		
6311.33	--- SLD	MISC. EQUIPMENT AND SITE BUILDINGS FOUNDATIONS	50	CY				1.125	56	60.06 WCON	3,000	3,000		
6311.5		SITE FILL AND LANDSCAPING												
6311.51	--- SIT	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	5000	CY				0.050	250	79.80 WSIT	20,000	20,000		
6311.52	SIT SIT	SEED & MULCH SITE	2	AC	1250.00 SEED		3,000	19.275	39	79.80 WSIT	3,000	6,000		
731		OFF-SITE DISPOSAL												
7311.4		OFF-SITE DISPOSAL												
7311.41	--- DSL	SPECIAL WASTE - NON-HAZ. CONTAMINATED SOIL - EXCAVATE, TRANSPORT &	1000	CY				0.433	433	124.63 DSL	54,000	54,000		
7311.42	--- DSL	EXCESS OF SOLID DEBRIS - TRANSPORT & DISPOSAL						N/A						
7311.43	--- DSL	RUBBISH AND TENANT DEBRIS - TRANSPORT & DISPOSAL	200	CY				0.090	18	128.94 DDBR	2,000	2,000		
TOTAL 341.C											3,000	2,080	177,000	180,000

F E R C A C C O U N T S D E T A I L S

341.P: PEAKER - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		WAGE RATE
610		STATION PEAKER								
6101.1		COMB. TURBINE STRUCTURE DEMOLITION								
6101.11	--- SLD	COMB. TURBINE FOUNDATIONS -COMMON MAT AND PEDESTALS	165	CY			1.125	186	60.06 WCON	11,000
		TOTAL 341.P						186		11,000

F E R C A C C O U N T S D E T A I L S

342.C: PEAKER COMMON FACILITIES - FUEL OIL  
& BOP EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST	
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNRS WAGE RATE
631		STATION PEAKER COMMON FACILITIES							
6312		EQUIPMENT							
6312.1		COMBUSTION TURBINE					INCL. ACCT. 610		
6312.3		FUEL OIL SYSTEM							
6312.31	SCR MTL	FUEL OIL STORAGE TANK - 1 EA - 150,000GAL	60 TN	-75.00 MTL	-5,000	2.672	160 57.14 WEQP	9,000	4,000
6312.32		MISCEL.LUBE OIL STORAGE					INCL. ACCT. 5110.31		
6312.4		WATER TREATMENT SYSTEM					N/A		
6312.5	SCR MTL	FUEL OIL & MISC. PIPING	15 TN	-75.00 MTL	-1,000	2.025	30 57.14 WEQP	2,000	1,000
TOTAL 342.C					-6,000		190	11,000	5,000

F E R C A C C O U N T S D E T A I L S

344.P: PEAKER - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	MATERIAL RATE	MATERIAL EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	LABOR WAGE RATE	LABOR COST	TOTAL COST
610		STATION PEAKER									
6102.1		COMBUSTION TURBINE									
6102.11	SCR MTL	COMBUSTION TURBINE GE 19.3MW	250 TN	-75.00 MTL		-19,000	3.570	893	57.14 WEQP	51,000	32,000
TOTAL 344.P						-19,000		893		51,000	32,000



F E R C A C C O U N T S D E T A I L S

345.P: PEAKER - ACCESSORY ELECTRICAL  
EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	* * * M A T E R I A L * * *		* * * L A B O R * * *		TOTAL COST
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE MNHRS WAGE RATE LABOR COST	
610		STATION PEAKER						
6102.1		COMBUSTION TURBINE						
6102.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	50 TN	-75.00 MTL	-4,000	3.570	179 57.14 WEQP	10,000 6,000
6107		SCRAP VALUE						
6107.8	SCR SCR	SCRAP VALUE OF COPPER	10000 LB	-1.00 SCRC	-10,000			-10,000
		TOTAL 345.P			-14,000		179 10,000	-4,000

F E R C A C C O U N T S D E T A I L S

IND: INDIRECT EXPENSES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	MNHR	LABOR WAGE RATE	*** LABOR COST	TOTAL COST
900	---	INDIRECT EXPENSES										
	IND											
900.1	---	FPC INDIRECT EXPENSES	1	LS								
	IND											
900.11	---	FPC ENGINEERING ALLOCATION	1	LS							52,000	52,000
	IND											
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1	LS							1,000	1,000
	IND											
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1	LS							85,000	85,000
	IND											
900.14	---	WRAP-UP AND RISK INSURANCE	1	LS							1,000	1,000
	IND											
900.15	---	FPC SUPERVISION	1	LS							65,000	65,000
	IND											
900.16	---	SECURITY SERVICES	1	LS							85,000	85,000
	IND											
900.17	---	A/E ENGINEERING, DIRECT (ENG'G SUPPORT AND RECORDS CLOSE-OUT)	1	LS								
	IND											
900.18	---	PERMITS	1	LS							21,000	21,000
	IND											
		TOTAL IND									310,000	310,000

# **APPENDIX O**

## **Suwannee Cost Estimate**

2004 FOSSIL PLANT DISMANTLEMENT STUDY

CONCEPTUAL COST ESTIMATE

PREPARED FOR

FLORIDA POWER CORPORATION  
SUWANNEE UNITS 1, 2, 3, AND PEAKERS

SARGENT & LUNDY

ESTIMATE NO. 16426D  
PROJECT NO. 11732000  
December 02, 2004

REVIEWED BY: *JML*

APPROVED BY: *JML*

TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	4

Sargent & Lundy  
Chicago

C O S T S U M M A R Y R E P O R T

FLORIDA POWER CORPORATION  
SUWANNEE UNITS 1, 2, 3, AND PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
Estimate No: 164260  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 02DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
131	UNIT # 1		-306,000	2,994,000	2,688,000
231	UNIT # 2		-291,000	2,897,000	2,606,000
331	UNIT # 3		-416,000	3,281,000	2,865,000
531	COMMON FACILITIES		-117,000	975,000	858,000
610	STATION PEAKERS 1-3		-119,000	330,000	211,000
631	STATION PEAKERS COMMON FACILITIES		-52,000	184,000	132,000
731	OFF-SITE DISPOSAL			915,000	915,000
TOTAL CONSTRUCTION COSTS			-1,301,000	11,576,000	10,275,000
INDIRECT EXPENSES					763,000
ESCALATION					
SALES/USE TAX					
CONTINGENCY					1,656,000
TOTAL PROJECT COST					12,694,000
AFUDC					
GRAND TOTAL COST					12,694,000
FINANCIAL ASSUMPTIONS:					
ESCALATION RATES: Equipment 0.000%					
Material 0.000%					
Labor 0.000%					
Indirects 0.000%					
SALES/USE TAX RATES: Equipment 0.000% Material 0.000%					
CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%					

Sargent & Lundy  
Chicago

W O R K P A C K A G E S U M M A R Y

FLORIDA POWER CORPORATION  
SUWANNEE UNITS 1, 2, 3, AND PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 2  
Estimate No: 16426D  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 02DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
ASB	ASBESTOS, TRANSITE			6,865,000	6,865,000
DSL	OFF-SITE DISPOSAL			915,000	915,000
IND	INDIRECT COSTS			763,000	763,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			2,067,000	2,067,000
SCR	SCRAP VALUE		-1,330,000		-1,330,000
SIT	SITE WORK		29,000	358,000	387,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			1,371,000	1,371,000
TOTAL CONSTRUCTION COSTS			-1,301,000	12,339,000	11,038,000
INDIRECT EXPENSES					(included above)
ESCALATION					
SALES/USE TAX					
CONTINGENCY					1,656,000
TOTAL PROJECT COST					12,694,000
AFUDC					
GRAND TOTAL COST					12,694,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

F E R C A C C O U N T S S U M M A R Y

FLORIDA POWER CORPORATION  
SUWANNEE UNITS 1, 2, 3, AND PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
Estimate No: 16426D  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 02DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
311.1	UNIT 1 - STRUCTURES AND IMPROVEMENTS		-72,000	902,000	830,000
311.2	UNIT 2 - STRUCTURES AND IMPROVEMENTS		-68,000	806,000	738,000
311.3	UNIT 3 - STRUCTURES AND IMPROVEMENTS		-100,000	2,678,000	2,578,000
311.C	COMMON SITE FACILITIES		24,000	1,661,000	1,685,000
312.1	UNIT 1 - BOILER PLANT		-130,000	1,867,000	1,737,000
312.2	UNIT 2 - BOILER PLANT		-131,000	1,869,000	1,738,000
312.3	UNIT 3 - BOILER PLANT		-192,000	318,000	126,000
312.C	MATERIAL HANDLING - COMMON FACILITIES		-106,000	217,000	111,000
314.1	UNIT 1 - TURBINE PLANT		-45,000	158,000	113,000
314.2	UNIT 2 - TURBINE PLANT		-46,000	171,000	125,000
314.3	UNIT 3 - TURBINE PLANT		-63,000	223,000	160,000
315.1	UNIT 1 - ACCESSORY ELECTRICAL EQUIPMENT		-48,000	28,000	-20,000
315.2	UNIT 2 - ACCESSORY ELECTRICAL EQUIPMENT		-35,000	22,000	-13,000
315.3	UNIT 3 - ACCESSORY ELECTRICAL EQUIPMENT		-48,000	27,000	-21,000
315.C	COMMON - ACCESSORY ELECTRICAL EQUIPMENT		-35,000	12,000	-23,000
316.1	UNIT 1 - MISC. POWER PLANT EQUIPMENT		-11,000	39,000	28,000
316.2	UNIT 2 - MISC. POWER PLANT EQUIPMENT		-11,000	29,000	18,000
316.3	UNIT 3 - MISC. POWER PLANT EQUIPMENT		-13,000	35,000	22,000
341.C	PEAKERS COMMON FACILITIES - STRUCTURES AND IMPROVEMENTS		3,000	74,000	77,000
341.P	PEAKERS 1-3 - STRUCTURES AND IMPROVEMENTS			89,000	89,000
342.C	PEAKERS COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT		-55,000	110,000	55,000
344.P	PEAKERS 1-3 - GAS TURBINE PLANT		-70,000	190,000	120,000
345.P	PEAKERS 1-3 - ACCESSORY ELECTRICAL EQUIPMENT		-49,000	51,000	2,000
IND	INDIRECT EXPENSES			763,000	763,000
	TOTAL CONSTRUCTION COSTS		-1,301,000	12,339,000	11,038,000





F E R C A C C O U N T S D E T A I L S

311.1: UNIT 1 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST				
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE	LABOR COST		
1311.A55	--- SLD	AIR HEATER RM, MISC.	5218	SF				0.011	57	67.19 WROF	4,000	4,000		
1311.A6	--- MTL	M/BLDG ELEVATOR	1	EA				90.000	90	57.14 WEQP	5,000	5,000		
1311.A7	--- MTL	M/BLDG HVAC	1	LS				225.000	225	57.14 WEQP	13,000	13,000		
1311.A8	--- MTL	MAIN BUILDING ELECTRICAL	1	LS				450.000	450	57.14 WEQP	26,000	26,000		
1311.A81	--- MTL	7.5KVA TO 30KVA TRANSFORMERS						INCL. ACCT. 1311.A8						
1311.A82	--- MTL	FIXTURES						INCL. ACCT. 1311.A8						
1311.A83	--- MTL	M/BLDG MISC. ELECTRICAL						INCL. ACCT. 1311.A8						
1311.A9	--- ASB	DENOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL												
1311.A91	--- ASB	TRANSITE WALL	27720	SF				0.360	9979	62.58 WMSR	624,000	624,000		
1311.A92	--- ASB	TRANSITE SEWER PIPE						N/A						
1311.A93	--- ASB	TRANSITE CABLE TRAYS & CONDUITS						N/A						
TOTAL 311.1											-72,000	14,720	902,000	830,000



F E R C A C C O U N T S D E T A I L S

311.2: UNIT 2 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	MNHR	LABOR WAGE RATE	*** LABOR COST	TOTAL COST
2311.A7	--- MTL	M/BLDG HVAC	1	LS				225.000	225	57.14 WEQP	13,000	13,000
2311.A8	--- MTL	MAIN BUILDING ELECTRICAL	1	LS				450.000	450	57.14 WEQP	26,000	26,000
2311.A81	--- MTL	7.5KVA TO 30KVA TRANSFORMERS						INCL. ACCT. 2311.A8				
2311.A82	--- MTL	FIXTURES						INCL. ACCT. 2311.A8				
2311.A83	--- MTL	M/BLDG MISC. ELECTRICAL						INCL. ACCT. 2311.A8				
2311.A9	--- ASB	DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL										
2311.A91	--- ASB	TRANSITE WALL & ROOF	24986	SF		TRNS		0.360	8995	62.58 WMSR	563,000	563,000
2311.A92	--- ASB	TRANSITE SEWER PIPE						N/A				
2311.A93	--- ASB	TRANSITE CABLE TRAYS & CONDUITS						N/A				
TOTAL 311.2								-68,000		13,144	806,000	738,000

F E R C A C C O U N T S D E T A I L S

311.3: UNIT 3 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST	
331		UNIT # 3											
3311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS											
3311.A		MAIN POWER BLOCK DEMOLITION (837,735 CF)											
3311.A1	--- SLD	BUILDING FOUNDATION (2 FT. BELOW GRADE - REINFORCEMENT 250#/CY)	4158	CY			CONC	0.844	3509	60.06 WCON	211,000	211,000	
3311.A2		WALLS											
3311.A21	--- SLD	MASONRY WALLS - CONCRETE BLOCK & TILES	2539	SF				0.008	20	62.58 WMSR	1,000	1,000	
3311.A22	--- MTL	INTERIOR WALLS											
3311.A23	--- MTL	TRANSITE SIDING	30171	SF									
3311.A3	--- SLD	ELEVATED CONCRETE FLOORS, STAIRS, ROOFS	380	CY			CONC	0.599	228	60.06 WCON	14,000	14,000	
3311.A4		STRUCTURAL AND GALLERY STEEL											
3311.A41	SCR MTL	STRUCTURAL AND GIRT STEEL	1330	TN	-75.00 MTL			-100,000	1.016	1351	54.31 WSTL	73,000	-27,000
3311.A42	--- MTL	GALLERY GRATING	205159	SF									
3311.A5		PRECAST CONCRETE CHANNEL & LW CONCRETE ROOF											
3311.A51	--- SLD	BOILER ROOM	5734	SF				0.011	63	67.19 WROF	4,000	4,000	
3311.A52	--- SLD	TURBINE ROOM	5808	SF				0.011	64	67.19 WROF	4,000	4,000	
3311.A53	--- SLD	CONTROL HOUSE											
3311.A54	--- SLD	MACHINE SHOP AND WATER TREATMENT AREA											
3311.A55	--- SLD	AIR HEATER RM, MISC.	3903	SF				0.011	43	67.19 WROF	3,000	3,000	
3311.A6	--- MTL	M/BLDG ELEVATOR	1	EA				90.000	90	57.14 WEQP	5,000	5,000	

F E R C A C C O U N T S D E T A I L S

311.3: UNIT 3 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST				
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST		
3311.A7	--- MTL	M/BLDG HVAC	1	LS				225.000	225	57.14 WEQP	13,000	13,000		
3311.A8	--- MTL	MAIN BUILDING ELECTRICAL	1	LS				337.500	338	57.14 WEQP	19,000	19,000		
3311.A81	--- MTL	7.5KVA TO 30KVA TRANSFORMERS						INCL. ACCT. 3311.A8						
3311.A82	--- MTL	FIXTURES						INCL. ACCT. 3311.A8						
3311.A83	--- MTL	M/BLDG MISC. ELECTRICAL						INCL. ACCT. 3311.A8						
3311.A9	--- ASB	DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL												
3311.A91	--- ASB	TRANSITE WALL	30171	SF				0.360	10862	62.58 WMSR	680,000	680,000		
3311.A92	--- ASB	TRANSITE SEWER PIPE						N/A						
3311.A93	--- ASB	TRANSITE CABLE TRAYS & CONDUITS						N/A						
3311.A94	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION	1	LS							1,651,000	1,651,000		
TOTAL 311.3											-100,000	16,793	2,678,000	2,578,000

F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE	
131		UNIT # 1									
1311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS									
1311.B		OUTLYING STRUCTURES DEMOLITION									INCL. ACCT. 5311
1311.C		SITE WORK AND SITE STRUCTURES DEMOLITION									INCL. ACCT. 5311
231		UNIT # 2									
2311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS									
2311.B		OUTLYING STRUCTURES DEMOLITION									INCL. ACCT. 5311
2311.C		SITE WORK AND SITE STRUCTURES DEMOLITION									INCL. ACCT. 5311
331		UNIT # 3									
3311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS									
3311.B		OUTLYING STRUCTURES DEMOLITION									INCL. ACCT. 5311
3311.C		SITE WORK AND SITE STRUCTURES DEMOLITION									INCL. ACCT. 5311
531		COMMON FACILITIES									
5311		COMMON FACILITIES									
5311.A		SITE EXCAVATION									
5311.A1	---	ASH POND EXCAVATE 2' DEEP									N/A
	SIT										
5311.A2	---	PERC. PONS - 2 EA EXCAVATE SLUDGE & CONTAMINATED SOIL -	3700	CY							INCL. ACCT. 5311,C82
	SIT					EXC					
5311.A3	---	OILY SAND AND SOIL UNDER FUEL OIL TANK FARMS AND GAS TANK & PUMPS - 2'	12900	CY							INCL. ACCT. 5311,C82
	SIT					EXC					
5311.A4	---	BERMS AND DIKES EXCAVATION	18000	CY							
	SIT						0.060	1080	79.80	86,000	86,000
									WSIT		

F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	WAGE RATE	*** LABOR COST	TOTAL COST
5311.A5	---	BORROW EXCAVATION	16000 CY				0.060	960	79.80	77,000	77,000
	SIT			EXC					WSIT		
5311.A6	---	FILL	34000								
	SIT									INCL.ACCT.5311.C8,C9	
5311.B		OUTLYING STRUCTURES DEMOLITION									
5311.B1	---	WAREHOUSES AND STOREROOMS	280000 CF				0.004	1120	62.58	70,000	70,000
	SLD			BLDG					WMSR		
5311.B2	---	GUARDHOUSE									
	SLD									INCL. ACCT.5311.B45	
5311.B4		MISCELLANEOUS OUTLYING BUILDINGS									
5311.B41	---	ENVIRONMENTAL BUILDING, PREFAB, 30'X50'X14'H	21000 CF				0.006	126	62.58	8,000	8,000
	SLD			BLDG					WMSR		
5311.B42	---	EMPLOYEE CLUBHOUSE - WOOD BUILDING									
	SLD			BLDG						INCL. ACCT. 5311.B5	
5311.B43	---	PUMPHSES - STEEL FRAME /CONCRETE BLOCK BUILDING	15600 CF				0.006	94	62.58	6,000	6,000
	SLD			BLDG					WMSR		
5311.B45	---	MISCELLANEOUS SMALL SIZE BUILDINGS	16000 CF				0.006	96	62.58	6,000	6,000
	SLD			BLDG					WMSR		
5311.B46	---	TRANSITE WALL	2005 SF				0.360	722	62.58	45,000	45,000
	ASB			TRNS					WMSR		
5311.B5	---	MISCELLANEOUS EQUIPMENT PADS AND SITE BUILDINGS FOUNDATIONS	777 CY				1.125	874	60.06	52,000	52,000
	SLD			CONC					WCON		
5311.B6	---	TANK & PUMP FOUNDATIONS	403 CY				0.563	227	60.06	14,000	14,000
	SLD			CONC					WCON		
5311.B7		COOLING TOWER COMMON STRUCTURES - DISCHARGE FLUME, MIXING STRUCTURE,									
										INCL. ACCT. 5311.B5	
5311.C		SITE WORK AND SITE STRUCTURES DEMOLITION									
5311.C1	---	R/R TRACKS	4375 TF				0.225	984	79.80	79,000	79,000
	MTL			RRTK					WSIT		
5311.C2		ROADS & PAVEMENTS									
5311.C21	---	PAVED SURFACES	7450 SY				0.120	894	79.80	71,000	71,000
	SLD			PVMT					WSIT		



F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***			*** L A B O R ***			TOTAL COST	
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
5311.C22	--- SLD	CONCRETE WALKWAYS	100 CY				0.525	53	60.06 WCON	3,000	3,000
5311.C23	--- SLD	CONCRETE CURBS	2000 LF				0.012	24	79.80 WSIT	2,000	2,000
5311.C3	--- SIT	FENCES AND GATES	500 LF				0.025	13	79.80 WSIT	1,000	1,000
5311.C4		YARD DRAINAGE	1 LS						ABANDON IN PLACE		
5311.C5		FIRE LINES & HYDRANTS									
5311.C51		UNDERGROUND FIRE LINES							ABANDON IN PLACE		
5311.C52	--- MTL	HYDRANTS	1 LS				112.500	113	79.80 WSIT	9,000	9,000
5311.C6	--- SLD	OUTDOOR LIGHTING	1 LS				225.000	225	60.06 WCON	14,000	14,000
5311.C61	--- SLD	PRESTRESSED CONCRETE AND FLOODLIGHT POLES							INCL. ACCT. 5311.C6		
5311.C62		CABLE AND CONDUIT							ABANDON IN PLACE		
5311.C7		INTAKE & DISCHARGE STRUCTURES									
5311.C71		DOCKS							N/A		
5311.C72	--- MTL	INTAKE CANAL SHEET PILING WALL							REMAIN IN PLACE		
5311.C73		INTAKE CANAL									
5311.C731	SIT SLD	INTAKE WELLS CLOSURE	1 LS	6000.00		6,000				17,000	23,000
5311.C732		INTAKE CHANNEL							REMAIN IN PLACE		
5311.C733	--- SLD	INTAKE STRUCTURE	200 CY				1.050	210	60.06 WCON	13,000	13,000
5311.C74		DISCHARGE CHANNEL							REMAIN IN PLACE		
5311.C741	SIT SIT	DISCHARGE CLOSURE	1 LS	6000.00		6,000				12,000	18,000
5311.C742	--- SLD	DISCHARGE STRUCTURE	100 CY				1.050	105	60.06 WCON	6,000	6,000
5311.C743	SCR MTL	DISCHARGE OUTFALL STRUCTURE	20 TN	-75.00 MTL		-2,000	2.672	53	42.04		



F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		LABOR COST	TOTAL COST		
				MATERIAL RATE	EQUIPMENT COST	MNHR RATE	MNHR			WAGE RATE	
5311.C8	--- DSL	MISCEL. SITE WORK AND MATERIAL HANDLING									
5311.C81	--- DSL	MISC. ON-SITE "VOIDS" - PERFORATE CONCRETE FOR DRAINAGE, FILL W/DEBRIS					INCL. IN WRKG				
5311.C811	--- DSL	MAIN BUILDING BSMT	21000 CY		VOID						
5311.C812	--- DSL	CONCRETE PIPE TRENCH	300 CY		VOID						
5311.C813	--- DSL	CONCRETE CABLE TRENCHES AND TUNNEL	2000 CY		VOID						
5311.C9		SITE FILL AND LANDSCAPING									
5311.C91	--- SIT	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	34000 CY		FILL	0.050	1700	79.80 WSIT	136,000	136,000	
5311.C92	SIT SIT	SEED & MULCH SITE	11 AC	1250.00 SEED		14,000	19.275	212	79.80 WSIT	17,000	31,000
731		OFF-SITE DISPOSAL									
7311.C82		OFF-SITE DISPOSAL									
7311.C821	--- DSL	ASH MONOFILL - EXCAVATE, TRANSPORT & DISPOSE					N/A	DASH			
7311.C822	--- DSL	SPECIAL WASTE - NON-HAZ. CONTAMINATED SOIL - EXCAVATE, TRANSPORT &	16600 CY		DISP	0.433	7188	124.63 DSL	896,000	896,000	
7311.C823	--- DSL	EXCESS OF SOLID DEBRIS - TRANSPORT & DISPOSAL					N/A				
7311.C824	--- DSL	RUBBISH AND TENANT DEBRIS - TRANSPORT & DISPOSAL	1600 CY		DISP	0.090	144	128.94 DDBR	19,000	19,000	
TOTAL 311.C						24,000		17,217	1,661,000	1,685,000	

F E R C A C C O U N T S D E T A I L S

312.1: UNIT 1 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL RATE	*** MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	*** WAGE RATE	*** LABOR COST	TOTAL COST
131		UNIT # 1										
1311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS										
1311.A		MAIN POWER BLOCK DEMOLITION (771,535 CF)										
1311.A9		DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL										
1311.A94	ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION	1	LS							1,651,000	1,651,000
1312		BOILER PLANT										
1312.A	SCR MTL	BOILER AND APPURTENANCES	1200	TN	-75.00 MTL		-90,000	2.025	2430	58.50 WBLR	142,000	52,000
1312.B		DRAFT EQUIPMENT										
1312.B1	SCR MTL	FLUES AND DUCTS INCL. BREECHING	100	TN	-75.00 MTL		-8,000	2.672	267	57.14 WEQP	15,000	7,000
1312.B2	MTL	PRECIPITATOR								N/A		
1312.B3		ID, FD FANS & MOTORS								INCL. ACCT. 1312.A		
1312.B4	SCR MTL	REMOVAL OF STEEL STACK	50	TN	-75.00 MTL		-4,000	2.025	101	57.14 WEQP	6,000	2,000
1312.B5	SLD	FOUNDATIONS (2 FT BELOW GRADE) FOR DRAFT EQUIPMENT	150	CY				1.080	162	60.06 WCON	10,000	10,000
1312.C		FEED WATER SYSTEM										
1312.C1	SCR MTL	FEED WATER DEAERATING EQUIPMENT	70	TN	-75.00 MTL		-5,000	2.025	142	57.14 WEQP	8,000	3,000
1312.C2		CONDENSATE TANKS								INCL. ACCT. 1316.B		
1312.D		WATER TREATMENT SYSTEM										
1312.D1	SCR MTL	WATER TREATMENT, DEMINERAL., CHEMICAL TREATMENT EQUIPMENT	100	TN	-75.00 MTL		-8,000	2.025	203	57.14 WEQP	12,000	4,000
1312.F		FUEL OIL EQUIPMENT								INCL. ACCT. 5312.F		
1312.G	SCR MTL	BOILER PLANT PIPING AND HANGERS	200	TN	-75.00 MTL		-15,000	2.025	405	57.14 WEQP	23,000	8,000

F E R C A C C O U N T S D E T A I L S

312.1: UNIT 1 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
1312.N	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION										
		TOTAL 312.1					-130,000		3,710		1,867,000	1,737,000

INCL. ACCT. 1311.A94

F E R C A C C O U N T S D E T A I L S

312.2: UNIT 2 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS	WAGE RATE		LABOR COST
231		UNIT # 2										
2311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS										
2311.A		MAIN POWER BLOCK DEMOLITION (763,091 CF)										
2311.A9		DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL										
2311.A94	ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION	1	LS						1,651,000	1,651,000	
2312		BOILER PLANT										
2312.A	SCR MTL	BOILER AND APPURTENANCES	1215	TN	-75.00 MTL		-91,000	2.025	2460	58.50 WBLR	144,000	53,000
2312.B		DRAFT EQUIPMENT										
2312.B1	SCR MTL	FLUES AND DUCTS INCL. BREECHING	100	TN	-75.00 MTL		-8,000	2.672	267	57.14 WEQP	15,000	7,000
2312.B2	MTL	PRECIPITATOR						N/A				
2312.B3		ID, FD FANS & MOTORS						INCL. ACCT. 2312.A				
2312.B4	SCR MTL	REMOVAL OF STEEL STACK	50	TN	-75.00 MTL		-4,000	2.025	101	57.14 WEQP	6,000	2,000
2312.B41		ASBESTOS ON STACK (UNIT 2 ONLY)						INCL. ACCT. 2311.A94				
2312.B5	SLD	FOUNDATIONS (2 FT BELOW GRADE) FOR DRAFT EQUIPMENT	150	CY		CONC		1.080	162	60.06 WCON	10,000	10,000
2312.C		FEED WATER SYSTEM										
2312.C1	SCR MTL	FEED WATER DEAERATING EQUIPMENT	70	TN	-75.00 MTL		-5,000	2.025	142	57.14 WEQP	8,000	3,000
2312.C2		CONDENSATE TANKS						INCL. ACCT. 2316.B				
2312.D		WATER TREATMENT SYSTEM										
2312.D1	SCR MTL	WATER TREATMENT, DEMINERAL., CHEMICAL TREATMENT EQUIPMENT	100	TN	-75.00 MTL		-8,000	2.025	203	57.14 WEQP	12,000	4,000
2312.F		FUEL OIL EQUIPMENT						INCL. ACCT. 5312.F				

F E R C A C C O U N T S D E T A I L S

312.2: UNIT 2 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
2312.G	SCR MTL	BOILER PLANT PIPING AND HANGERS	200	TN	-75.00 MTL		-15,000	2.025	405	57.14 WEQP	23,000	8,000
2312.N	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION								INCL. ACCT. 2311.A94		
		TOTAL 312.2					-131,000		3,740		1,869,000	1,738,000

F E R C A C C O U N T S D E T A I L S

312.3: UNIT 3 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	WAGE RATE	*** LABOR COST	TOTAL COST
331		UNIT # 3									
3312		BOILER PLANT									
3312.A	SCR MTL	BOILER AND APPURTENANCES	1825 TN	-75.00 MTL		-137,000	2.025	3696	58.50 WBLR	216,000	79,000
3312.B		DRAFT EQUIPMENT									
3312.B1	SCR MTL	FLUES AND DUCTS INCL. BREECHING	135 TN	-75.00 MTL		-10,000	2.672	361	57.14 WEQP	21,000	11,000
3312.B2	--- MTL	PRECIPITATOR							N/A		
3312.B3		ID, FD FANS & MOTORS							INCL. ACCT. 3312.A		
3312.B4	SCR MTL	REMOVAL OF STEEL STACK	80 TN	-75.00 MTL		-6,000	2.025	162	57.14 WEQP	9,000	3,000
3312.B5	--- SLD	FOUNDATIONS (2 FT BELOW GRADE) FOR DRAFT EQUIPMENT	200 CY		CONC		1.080	216	60.06 WCON	13,000	13,000
3312.C		FEED WATER SYSTEM									
3312.C1	SCR MTL	FEED WATER DEAERATING EQUIPMENT	100 TN	-75.00 MTL		-8,000	2.025	203	57.14 WEQP	12,000	4,000
3312.C2		CONDENSATE TANKS							INCL. ACCT. 3316.B		
3312.D		WATER TREATMENT SYSTEM									
3312.D1	SCR MTL	WATER TREATMENT, DEMINERAL., CHEMICAL TREATMENT EQUIPMENT	100 TN	-75.00 MTL		-8,000	2.025	203	57.14 WEQP	12,000	4,000
3312.F		FUEL OIL EQUIPMENT							INCL. ACCT. 5312.F		
3312.G	SCR MTL	BOILER PLANT PIPING AND HANGERS	300 TN	-75.00 MTL		-23,000	2.025	608	57.14 WEQP	35,000	12,000
3312.N	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION							INCL. ACCT. 3311.A94		
TOTAL 312.3						-192,000		5,449		318,000	126,000



F E R C A C C O U N T S D E T A I L S

312.C: MATERIAL HANDLING - COMMON FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
531		COMMON FACILITIES										
5312.F		FUEL OIL EQUIPMENT										
5312.F1	SCR MTL	RESIDUAL OIL STORAGE TANKS - 1 EA @ 80,000BRL, 1 EA @ 55,000BRL	817	TN	-75.00 MTL		-61,000	2.672	2183	57.14 WEQP	125,000	64,000
5312.F2	SCR MTL	MISCELLANEOUS FUEL OIL EQUIPMENT	150	TN	-75.00 MTL		-11,000	2.672	401	57.14 WEQP	23,000	12,000
5312.F3		FUEL OIL EQUIPMENT FOUNDATIONS								INCL. ACCT. 5311.B6		
5312.J	SCR MTL	MISCEL. STORAGE TANKS AND PUMPS	450	TN	-75.00 MTL		-34,000	2.672	1202	57.14 WEQP	69,000	35,000
5312.M		FUEL EQUIPMENT - MATERIAL HANDLING										
5312.M1	--- MTL	CONVEYORS INCLUDING TRUSSES, BENTS, EQUIPMENT								N/A		
5312.M2	--- MTL	BUILDINGS AND TOWERS								N/A		
5312.M3	--- SLD	FOUNDATIONS (2 FT BELOW GRADE)								N/A		
		TOTAL 312.C					-106,000		3,786		217,000	111,000

F E R C A C C O U N T S D E T A I L S

314.1: UNIT 1 - TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
131		UNIT # 1										
1314		TURBINE PLANT										
1314.B		TURBINE GENERATOR UNIT AND ACCESSORIES										
1314.B1	SCR MTL	TURBINE GENERATOR	315	TN	-75.00 MTL		-24,000	2.025	638	57.14 WEQP	36,000	12,000
1314.B2	SCR MTL	CONDENSER	145	TN	-75.00 MTL		-11,000	2.025	294	57.14 WEQP	17,000	6,000
1314.B3	— SLD	TURBINE PEDESTAL	566	CY		CONC		1.800	1019	60.06 WCON	61,000	61,000
1314.B4		TURBINE PLANT PIPING AND HANGERS						INCL.	ACCT.	1312.G		
1314.C		CIRCULATING WATER SYSTEM										
1314.C1	SCR MTL	CIRCULATING WATER SYSTEM EQUIPMENT - PUMPS, MOTORS, SWITCHGEAR, TRAV.	100	TN	-75.00 MTL		-8,000	2.025	203	57.14 WEQP	12,000	4,000
1314.C2	— SLD	CIRCULATING WATER SYSTEM PIPING AND TUNNELS	1	LS				480.000	480	60.06 WCON	29,000	29,000
1314.C3	— MTL	INTAKE RACKS, MISC.						INCL.	ACCT.	1314.C1		
1314.C4	SCR MTL	20 TN BRIDGE CRANE	30	TN	-75.00 MTL		-2,000	2.025	61	57.14 WEQP	3,000	1,000
1314.C5		COOLING WATER TOWER						N/A				
		TOTAL 314.1					-45,000		2,695		158,000	113,000

F E R C A C C O U N T S D E T A I L S

314.2: UNIT 2 - TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	*** WAGE RATE	LABOR COST	TOTAL COST
231		UNIT # 2									
2314		TURBINE PLANT									
2314.B		TURBINE GENERATOR UNIT AND ACCESSORIES									
2314.B1	SCR MTL	TURBINE GENERATOR	350 TN	-75.00 MTL		-26,000	2.025	709	57.14 WEQP	41,000	15,000
2314.B2	SCR MTL	CONDENSER	160 TN	-75.00 MTL		-12,000	2.025	324	57.14 WEQP	19,000	7,000
2314.B3	--- SLD	TURBINE PEDESTAL	645 CY				1.800	1161	60.06 WCON	70,000	70,000
2314.B4		TURBINE PLANT PIPING AND HANGERS							INCL. ACCT. 2312.G		
2314.C		CIRCULATING WATER SYSTEM									
2314.C1	SCR MTL	CIRCULATING WATER SYSTEM EQUIPMENT - PUMPS, MOTORS, SWITCHGEAR, TRAV.	100 TN	-75.00 MTL		-8,000	2.025	203	57.14 WEQP	12,000	4,000
2314.C2	--- SLD	CIRCULATING WATER SYSTEM PIPING AND TUNNELS	1 LS				480.000	480	60.06 WCON	29,000	29,000
2314.C3	--- MTL	INTAKE RACKS, MISC.							INCL. ACCT. 2314.C1		
2314.C4	--- MTL	10 TN GANTRY CRANE							INCL. ACCT. 1314.C4		
2314.C5		COOLING WATER TOWER							N/A		
		TOTAL 314.2				-46,000		2,877		171,000	125,000

F E R C A C C O U N T S D E T A I L S

314.3: UNIT 3 - TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL RATE	EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	MNHR	LABOR WAGE RATE	*** LABOR COST	TOTAL COST
331		UNIT # 3										
3314		TURBINE PLANT										
3314.B		TURBINE GENERATOR UNIT AND ACCESSORIES										
3314.B1	SCR MTL	TURBINE GENERATOR	475	TN	-75.00 MTL		-36,000	2.025	962	57.14 WEQP	55,000	19,000
3314.B2	SCR MTL	CONDENSER	215	TN	-75.00 MTL		-16,000	2.025	435	57.14 WEQP	25,000	9,000
3314.B3	--- SLD	TURBINE PEDESTAL	850	CY		CONC		1.800	1530	60.06 WCON	92,000	92,000
3314.B4		TURBINE PLANT PIPING AND HANGERS						INCL.	ACCT.	3312.G		
3314.C		CIRCULATING WATER SYSTEM										
3314.C1	SCR MTL	CIRCULATING WATER SYSTEM EQUIPMENT - PUMPS, MOTORS, SWITCHGEAR, TRAV.	150	TN	-75.00 MTL		-11,000	2.025	304	57.14 WEQP	17,000	6,000
3314.C2	--- SLD	CIRCULATING WATER SYSTEM PIPING AND TUNNELS	1	LS				562.500	563	60.06 WCON	34,000	34,000
3314.C3	--- MTL	INTAKE RACKS, MISC.						INCL.	ACCT.	3314.C1		
3314.C4	--- MTL	10 TN GANTRY CRANE				MTL		INCL.	ACCT.	1314.C4		
3314.C5		COOLING WATER TOWER						N/A				
		TOTAL 314.3					-63,000		3,794		223,000	160,000

F E R C A C C O U N T S D E T A I L S

315.1: UNIT 1 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
				MATERIAL RATE	EQUIPMENT COST	MNHR RATE	MNHR WAGE RATE	
131		UNIT # 1						
1315		ACCESSORY ELECTRICAL EQUIPMENT						
1315.A	SCR MTL	GENERATOR BUS TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	110 TN	-75.00 MTL	-8,000	2.672	294 57.14 WEQP	17,000 9,000
1315.B		CABLE TRAYS & DUCTRUNS					INCL. ACCT. 5311.C	
1315.C	--- SLD	TRANSFORMER FOUNDATIONS & FIRE WALLS, CURBS, PIERS, BASIN INCL. TRANSFER CAR	165 CY	CONC		1.080	178 60.06 WCON	11,000 11,000
1317		SCRAP VALUE						
1317.B	SCR SCR	SCRAP VALUE OF COPPER	40000 LB	-1.00 SCRC	-40,000			-40,000
TOTAL 315.1					-48,000		472 28,000	-20,000

F E R C A C C O U N T S D E T A I L S

315.2: UNIT 2 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE MNHRS WAGE RATE LABOR COST	
231		UNIT # 2						
2315		ACCESSORY ELECTRICAL EQUIPMENT						
2315.A	SCR MTL	GENERATOR BUS TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	70 TN	-75.00 MTL	-5,000	2.672	187 57.14 WEQP	11,000 6,000
2315.B		CABLE TRAYS & DUCTRUNS					INCL. ACCT. 5311.C	
2315.C	SLD	TRANSFORMER FOUNDATIONS & FIRE WALLS, CURBS, PIERS, BASIN INCL. TRANSFER CAR	165 CY	CONC		1.080	178 60.06 WCON	11,000 11,000
2317		SCRAP VALUE						
2317.B	SCR SCR	SCRAP VALUE OF COPPER	30000 LB	-1.00 SCRC	-30,000			-30,000
TOTAL 315.2								
					-35,000		365 22,000	-13,000

F E R C A C C O U N T S D E T A I L S

315.3: UNIT 3 - ACCESSORY ELECTRICAL  
EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
331		UNIT # 3										
3315		ACCESSORY ELECTRICAL EQUIPMENT										
3315.A	SCR MTL	GENERATOR BUS TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	110	TN	-75.00 MTL		-8,000	2.672	294	57.14 WEQP	17,000	9,000
3315.B		CABLE TRAYS & DUCTRUNS								INCL. ACCT. 5311.C		
3315.C	---- SLD	TRANSFORMER FOUNDATIONS & FIRE WALLS, CURBS, PIERS, BASIN INCL. TRANSFER CAR	160	CY		CONC		1.080	173	60.06 WCON	10,000	10,000
3317		SCRAP VALUE										
3317.B	SCR SCR	SCRAP VALUE OF COPPER	40000	LB	-1.00 SCRC		-40,000					-40,000
TOTAL 315.3							-48,000		467		27,000	-21,000

F E R C A C C O U N T S D E T A I L S

315.C: COMMON - ACCESSORY ELECTRICAL  
EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** L A B O R ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
531		COMMON FACILITIES										
5315		ACCESSORY ELECTRICAL EQUIPMENT										
5315.A	SCR MTL	STATION AUXILIARY TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	60	TN	-75.00 MTL		-5,000	2.672	160	57.14 WEQP	9,000	4,000
5315.B		CABLE TRAYS & DUCTRUNS								INCL. ACCT. 5311.7		
5315.C	--- SLD	TRANSFORMER YARD FOUNDATIONS, FIRE WALLS, PIERS, CURBS	50	CY		CONC		1.080	54	60.06 WCON	3,000	3,000
5317		SCRAP VALUE										
5317.B	SCR SCR	SCRAP VALUE OF COPPER	30000	LB	-1.00 SCRC		-30,000					-30,000
TOTAL 315.C							-35,000		214		12,000	-23,000



F E R C A C C O U N T S D E T A I L S

316.1: UNIT 1 - MISC. POWER PLANT EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE	LABOR COST
131		UNIT # 1										
1316		MISCELLANEOUS POWER PLANT EQUIPMENT										
1316.A	SCR MTL	MISCELLANEOUS POWER PLANT EQUIPMENT	115	TN	-75.00 MTL		-9,000	2.025	233	57.14 WEQP	13,000	4,000
1316.B	SCR MTL	MISC. SMALL TANKS	30	TN	-75.00 MTL		-2,000	2.672	80	57.14 WEQP	5,000	3,000
1316.C	— MTL	TURBINE ROOM O.H. CRANE 50/10 TON	1	EA				187.500	188	54.31 WSTL	10,000	10,000
1316.G	— MTL	BALANCE OF PLANT PIPING AND HANGERS	1	LT				187.500	188	57.14 WEQP	11,000	11,000
TOTAL 316.1							-11,000		689		39,000	28,000

F E R C A C C O U N T S D E T A I L S

316.2: UNIT 2 - MISC. POWER PLANT EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MNHR RATE	MNHR WAGE RATE		LABOR COST	
231		UNIT # 2									
2316		MISCELLANEOUS POWER PLANT EQUIPMENT									
2316.A	SCR MTL	MISCELLANEOUS POWER PLANT EQUIPMENT	115	TN	-75.00 MTL	-9,000	2.025	233	57.14 WEGP	13,000	4,000
2316.B	SCR MTL	MISC. SMALL TANKS	30	TN	-75.00 MTL	-2,000	2.672	80	57.14 WEGP	5,000	3,000
2316.C	--- MTL	TURBINE ROOM O.H. CRANE 50/10 TON							INCL. ACCT. 1316.C		
2316.G	--- MTL	BALANCE OF PLANT PIPING AND HANGERS	1	LT			187.500	188	57.14 WEGP	11,000	11,000
		TOTAL 316.2				-11,000		501		29,000	18,000

F E R C A C C O U N T S D E T A I L S

316.3: UNIT 3 - MISC. POWER PLANT EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	*** WAGE RATE	LABOR COST	TOTAL COST
331		UNIT # 3									
3316		MISCELLANEOUS POWER PLANT EQUIPMENT									
3316.A	SCR MTL	MISCELLANEOUS POWER PLANT EQUIPMENT	145 TN	-75.00 MTL		-11,000	2.025	294	57.14 WEQP	17,000	6,000
3316.B	SCR MTL	MISC. SMALL TANKS	20 TN	-75.00 MTL		-2,000	2.672	53	57.14 WEQP	3,000	1,000
3316.C	--- MTL	TURBINE ROOM O.H. CRANE 50/10 TON								INCL. ACCT. 1316.C	
3316.G	--- MTL	BALANCE OF PLANT PIPING AND HANGERS	1 LT				262.500	263	57.14 WEQP	15,000	15,000
TOTAL 316.3						-13,000		610		35,000	22,000

F E R C A C C O U N T S D E T A I L S

341.C: PEAKERS COMMON FACILITIES -  
STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
631		STATION PEAKERS COMMON FACILITIES										
6311		STRUCTURES & IMPROVEMENTS - DEMOLITION AND MODIFICATION										
6311.1		COMB. TURBINE STRUCTURE DEMOLITION									INCL. ACCT. 610	
6311.2		SITE WORK AND SITE STRUCTURE DEMOLITION										
6311.21		SITE EXCAVATION									INCL. ACCT. 5311.A	
6311.22		ROADS & PAVEMENTS										
6311.221	---	PAVED SURFACES	1600	SY				0.120	192	79.80	15,000	15,000
	SLD									WSIT		
6311.222	---	CONCRETE WALKWAYS	100	CY				0.525	53	60.06	3,000	3,000
	SLD									WCON		
6311.23	---	FENCES AND GATES										INCL. ACCT. 5311.C
	MTL											
6311.3		OUTLYING STRUCTURES DEMOLITION										
6311.31	---	MISC. SITE BUILDINGS - WATER INJECTION & FUEL FILTER. ETC.	18000	CF				0.006	108	62.58	7,000	7,000
	SLD									WMSR		
6311.32	---	TANK FOUNDATIONS	130	CY				1.125	146	60.06	9,000	9,000
	SLD									WCON		
6311.33	---	MISC. EQUIPMENT AND SITE BUILDINGS FOUNDATIONS	165	CY				1.125	186	60.06	11,000	11,000
	SLD									WCON		
6311.4		OFF-SITE DISPOSAL										INCL. ACCT. 5311.C8
6311.5		SITE FILL AND LANDSCAPING										
6311.51	---	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	6500	CY				0.050	325	79.80	26,000	26,000
	SIT									WSIT		
6311.52	SIT	SEED & MULCH SITE	2	AC	1250.00		3,000	19.275	39	79.80	3,000	6,000
	SIT				SEED					WSIT		
TOTAL 341.C							3,000		1,049		74,000	77,000

F E R C A C C O U N T S D E T A I L S

341.P: PEAKERS 1-3 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
610		STATION PEAKERS 1-3										
6101.1		COMB. TURBINE STRUCTURE DEMOLITION										
6101.11	--- SLD	COMB. TURBINE FOUNDATIONS -COMMON MAT AND PEDESTALS	1320	CY				1.125	1485	60.06 WCON	89,000	89,000
		TOTAL 341.P							1,485		89,000	89,000

F E R C A C C O U N T S D E T A I L S

342.C: PEAKERS COMMON FACILITIES - FUEL OIL  
& BOP EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		WAGE RATE	LABOR COST
631		STATION PEAKERS COMMON FACILITIES									
6312		EQUIPMENT									
6312.1		COMBUSTION TURBINES						INCL. ACCT. 610			
6312.3		FUEL OIL SYSTEM									
6312.31	SCR MTL	FUEL OIL STORAGE TANK - 1 EA - 100,000BRL	640	TN	-75.00 MTL	-48,000	2.672	1710	57.14 WEQP	98,000	50,000
6312.32		MISCEL.LUBE OIL STORAGE						INCL. ACCT. 6110.31			
6312.4	SCR MTL	DEMINERALIZ. SYSTEM	30	TN	-75.00 MTL	-2,000	2.672	80	57.14 WEQP	5,000	3,000
6312.5	SCR MTL	FUEL OIL & MISC. PIPING	60	TN	-75.00 MTL	-5,000	2.025	122	57.14 WEQP	7,000	2,000
TOTAL 342.C						-55,000		1,912		110,000	55,000

F E R C A C C O U N T S D E T A I L S

344.P: PEAKERS 1-3 - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
610		STATION PEAKERS 1-3										
6102.1		COMBUSTION TURBINES 1-3										
6102.11	SCR MTL	COMBUSTION TURBINES P&W 3EA @ 61.2MW	930	TN	-75.00 MTL		-70,000	3.570	3320	57.14 WEQP	190,000	120,000
TOTAL 344.P							-70,000		3,320		190,000	120,000

F E R C A C C O U N T S D E T A I L S

345.P: PEAKERS 1-3 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST
610		STATION PEAKERS 1-3										
6102.1		COMBUSTION TURBINES 1-3										
6102.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	250	TN	-75.00 MTL		-19,000	3.570	893	57.14 WEQP	51,000	32,000
6107		SCRAP VALUE										
6107.B	SCR SCR	SCRAP VALUE OF COPPER	30000	LB	-1.00 SCRC		-30,000					-30,000
		TOTAL 345.P					-49,000		893		51,000	2,000



F E R C A C C O U N T S D E T A I L S

IND: INDIRECT EXPENSES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS	
900	---	INDIRECT EXPENSES								
	IND									
900.1	---	FPC INDIRECT EXPENSES	1	LS						
	IND									
900.11	---	FPC ENGINEERING ALLOCATION	1	LS					108,000	108,000
	IND									
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1	LS					48,000	48,000
	IND									
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1	LS					169,000	169,000
	IND									
900.14	---	WRAP-UP AND RISK INSURANCE	1	LS					6,000	6,000
	IND									
900.15	---	FPC SUPERVISION	1	LS					135,000	135,000
	IND									
900.16	---	SECURITY SERVICES	1	LS					175,000	175,000
	IND									
900.17	---	A/E ENGINEERING, DIRECT (ENG'G SUPPORT AND RECORDS CLOSE-OUT)	1	LS					101,000	101,000
	IND									
900.18	---	PERMITS	1	LS					21,000	21,000
	IND									
		TOTAL IND							763,000	763,000

# **APPENDIX P**

## **Turner Cost Estimate**

2004 FOSSIL PLANT DISMANTLEMENT STUDY

CONCEPTUAL COST ESTIMATE

PREPARED FOR

FLORIDA POWER CORPORATION  
TURNER UNITS 1, 2, 3, 4, AND PEAKERS

SARGENT & LUNDY

ESTIMATE NO. 16427F  
PROJECT NO. 11732000  
December 01, 2004

REVIEWED BY: *JMR*

APPROVED BY: *JMR*

TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	5

Sargent & Lundy  
Chicago

**C O S T   S U M M A R Y   R E P O R T**  
 FLORIDA POWER CORPORATION  
 TURNER UNITS 1, 2, 3, 4, AND PEAKERS  
CONCEPTUAL COST ESTIMATE  
 2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
 Estimate No: 16427F  
 Project No: 11732000  
 Prepared by: GA /JMK/  
 Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
131	UNIT # 1		-58,000	284,000	226,000
231	UNIT # 2		-63,000	274,000	211,000
331	UNIT # 3		-422,000	1,909,000	1,487,000
431	UNIT # 4		-467,000	1,763,000	1,296,000
531	COMMON FACILITIES		-50,000	1,182,000	1,132,000
610	STATION PEAKERS 1-2		-52,000	136,000	84,000
611	STATION PEAKERS 3-4		-114,000	339,000	225,000
631	STATION PEAKERS COMMON FACILITIES		-97,000	402,000	305,000
731	OFF-SITE DISPOSAL			1,069,000	1,069,000
TOTAL CONSTRUCTION COSTS			-1,323,000	7,358,000	6,035,000
INDIRECT EXPENSES					1,363,000
ESCALATION					
SALES/USE TAX					
CONTINGENCY					1,110,000
<b>TOTAL PROJECT COST</b>					<b>8,508,000</b>
AFUDC					
GRAND TOTAL COST					8,508,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
 Material 0.000%  
 Labor 0.000%  
 Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

# WORK PACKAGE SUMMARY

FLORIDA POWER CORPORATION  
TURNER UNITS 1, 2, 3, 4, AND PEAKERS  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 2  
Estimate No: 16427F  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
ASB	ASBESTOS, TRANSITE			2,004,000	2,004,000
DSL	OFF-SITE DISPOSAL			1,069,000	1,069,000
IND	INDIRECT COSTS			1,363,000	1,363,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			2,115,000	2,115,000
SCR	SCRAP VALUE		-1,369,000		-1,369,000
SIT	SITE WORK		46,000	819,000	865,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			1,351,000	1,351,000
TOTAL CONSTRUCTION COSTS			-1,323,000	8,721,000	7,398,000
INDIRECT EXPENSES					(included above)
ESCALATION					
SALES/USE TAX					
CONTINGENCY					1,110,000
TOTAL PROJECT COST					8,508,000
AFUDC					
GRAND TOTAL COST					8,508,000

#### FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

F E R C   A C C O U N T S   S U M M A R Y  
 FLORIDA POWER CORPORATION  
 TURNER UNITS 1, 2, 3, 4, AND PEAKERS  
 CONCEPTUAL COST ESTIMATE  
 2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
 Estimate No: 16427F  
 Project No: 11732000  
 Prepared by: GA /JMK/

Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
311.1	UNIT 1 - STRUCTURES AND IMPROVEMENTS		-32,000	135,000	103,000
311.2	UNIT 2 - STRUCTURES AND IMPROVEMENTS		-44,000	152,000	108,000
311.3	UNIT 3 - STRUCTURES AND IMPROVEMENTS		-102,000	1,309,000	1,207,000
311.4	UNIT 4 - STRUCTURES AND IMPROVEMENTS		-144,000	1,153,000	1,009,000
311.C	COMMON SITE FACILITIES		37,000	2,133,000	2,170,000
312.1	UNIT 1 - BOILER PLANT		-11,000	25,000	14,000
312.2	UNIT 2 - BOILER PLANT		-11,000	25,000	14,000
312.3	UNIT 3 - BOILER PLANT		-191,000	317,000	126,000
312.4	UNIT 4 - BOILER PLANT		-196,000	324,000	128,000
312.C	MATERIAL HANDLING - COMMON FACILITIES		-52,000	106,000	54,000
314.1	UNIT 1 - TURBINE PLANT		-6,000	81,000	75,000
314.2	UNIT 2 - TURBINE PLANT		-6,000	81,000	75,000
314.3	UNIT 3 - TURBINE PLANT		-66,000	216,000	150,000
314.4	UNIT 4 - TURBINE PLANT		-64,000	219,000	155,000
315.1	UNIT 1 - ACCESSORY ELECTRICAL EQUIPMENT		-2,000	5,000	3,000
315.2	UNIT 2 - ACCESSORY ELECTRICAL EQUIPMENT		-2,000	5,000	3,000
315.3	UNIT 3 - ACCESSORY ELECTRICAL EQUIPMENT		-48,000	27,000	-21,000
315.4	UNIT 4 - ACCESSORY ELECTRICAL EQUIPMENT		-48,000	27,000	-21,000
315.C	COMMON - ACCESSORY ELECTRICAL EQUIPMENT		-35,000	12,000	-23,000
316.1	UNIT 1 - MISC. POWER PLANT EQUIPMENT		-7,000	38,000	31,000
316.2	UNIT 2 - MISC. POWER PLANT EQUIPMENT			11,000	11,000
316.3	UNIT 3 - MISC. POWER PLANT EQUIPMENT		-15,000	40,000	25,000
316.4	UNIT 4 - MISC. POWER PLANT EQUIPMENT		-15,000	40,000	25,000
341.C	PEAKERS COMMON FACILITIES - STRUCTURES AND IMPROVEMENTS		9,000	191,000	200,000
341.P1	PEAKERS 1-2 - STRUCTURES AND IMPROVEMENTS			24,000	24,000

F E R C A C C O U N T S S U M M A R Y

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
341.P2	PEAKERS 3-4 - STRUCTURES AND IMPROVEMENTS			84,000	84,000
342.C	PEAKERS COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT		-106,000	211,000	105,000
344.P1	PEAKERS 1-2 - GAS TURBINE PLANT		-34,000	92,000	58,000
344.P2	PEAKERS 3-4 - GAS TURBINE PLANT		-79,000	214,000	135,000
345.P1	PEAKERS 1-2 - ACCESSORY ELECTRICAL EQUIPMENT		-18,000	20,000	2,000
345.P2	PEAKERS 3-4 - ACCESSORY ELECTRICAL EQUIPMENT		-35,000	41,000	6,000
IND	INDIRECT EXPENSES			1,363,000	1,363,000
TOTAL CONSTRUCTION COSTS			-1,323,000	8,721,000	7,398,000





F E R C A C C O U N T S D E T A I L S

311.1: UNIT 1 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS	WAGE RATE		LABOR COST		
1311.A55	--- SLD	AIR HEATER RM, MISC.	710	SF				0.011	8	67.19 WROF	1,000	1,000		
1311.A6	--- MTL	M/BLDG ELEVATOR	1	EA				90.000	90	57.14 WEQP	5,000	5,000		
1311.A7	--- MTL	M/BLDG HVAC	1	LS				225.000	225	57.14 WEQP	13,000	13,000		
1311.A8	--- MTL	MAIN BUILDING ELECTRICAL	1	LS				450.000	450	57.14 WEQP	26,000	26,000		
1311.A81	--- MTL	7.5KVA TO 30KVA TRANSFORMERS						INCL. ACCT. 1311.A8						
1311.A82	--- MTL	FIXTURES						INCL. ACCT. 1311.A8						
1311.A83	--- MTL	M/BLDG MISC. ELECTRICAL						INCL. ACCT. 1311.A8						
1311.A9	--- ASB	DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL												
1311.A91	--- ASB	TRANSITE WALL						N/A		WMSR				
1311.A92	--- ASB	TRANSITE SEWER PIPE						N/A						
1311.A93	--- ASB	TRANSITE CABLE TRAYS & CONDUITS						N/A						
TOTAL 311.1											-32,000	2,314	135,000	103,000



F E R C A C C O U N T S D E T A I L S

311.2: UNIT 2 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST
2311.A7	MTL	M/BLDG HVAC	1	LS				225.000	225	57.14	13,000	13,000
										WEQP		
2311.A8	MTL	MAIN BUILDING ELECTRICAL	1	LS				300.000	300	57.14	17,000	17,000
										WEQP		
2311.A81	MTL	7.5KVA TO 30KVA TRANSFORMERS						INCL.	ACCT.	2311.A8		
2311.A82	MTL	FIXTURES						INCL.	ACCT.	2311.A8		
2311.A83	MTL	M/BLDG MISC. ELECTRICAL						INCL.	ACCT.	2311.A8		
2311.A9	ASB	DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL										
2311.A91	ASB	TRANSITE WALL & ROOF						N/A				
					TRNS					WMSR		
2311.A92	ASB	TRANSITE SEWER PIPE						N/A				
2311.A93	ASB	TRANSITE CABLE TRAYS & CONDUITS						N/A				
TOTAL 311.2								-44,000		2,589	152,000	108,000

F E R C A C C O U N T S D E T A I L S

311.3: UNIT 3 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE
331		UNIT # 3									
3311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS									
3311.A		MAIN POWER BLOCK DEMOLITION (1,247,624 CF)									
3311.A1	SLD	BUILDING FOUNDATION (2 FT. BELOW GRADE - REINFORCEMENT 250#/CY)	1460	CY		CONC	0.844	1232	60.06	74,000	74,000
3311.A2		WALLS									
3311.A21	SLD	MASONRY WALLS - CONCRETE	4000	SF			0.008	32	62.58	2,000	2,000
3311.A22	MTL	INTERIOR WALLS									
3311.A23	MTL	TRANSITE SIDING	45428	SF							
3311.A3	SLD	ELEVATED CONCRETE FLOORS, STAIRS, ROOFS	285	CY		CONC	0.599	171	60.06	10,000	10,000
3311.A4		STRUCTURAL AND GALLERY STEEL									
3311.A41	SCR MTL	STRUCTURAL AND GIRT STEEL	1360	TN	-75.00	MTL	1.016	1382	54.31	75,000	-27,000
3311.A42	MTL	GALLERY GRATING	20850	SF							
3311.A5		PRECAST CONCRETE CHANNEL & LW CONCRETE ROOF									
3311.A51	SLD	BOILER ROOM	2704	SF			0.011	30	67.19	2,000	2,000
3311.A52	SLD	TURBINE ROOM	6884	SF			0.011	76	67.19	5,000	5,000
3311.A53	SLD	CONTROL HOUSE									
3311.A54	SLD	MACHINE SHOP AND WATER TREATMENT AREA									
3311.A55	SLD	AIR HEATER RM, MISC.	2092	SF			0.011	23	67.19	2,000	2,000
3311.A6	MTL	M/BLDG ELEVATOR	1	EA			90.000	90	57.14	5,000	5,000

F E R C A C C O U N T S D E T A I L S

311.3: UNIT 3 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST				
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST		
3311.A7	--- MTL	M/BLDG HVAC	1	LS				225.000	225	57.14 WEQP	13,000	13,000		
3311.A8	--- MTL	MAIN BUILDING ELECTRICAL	1	LS				337.500	338	57.14 WEQP	19,000	19,000		
3311.A81	--- MTL	7.5KVA TO 30KVA TRANSFORMERS						INCL. ACCT. 3311.A8						
3311.A82	--- MTL	FIXTURES						INCL. ACCT. 3311.A8						
3311.A83	--- MTL	M/BLDG MISC. ELECTRICAL						INCL. ACCT. 3311.A8						
3311.A9	--- ASB	DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL												
3311.A91	--- ASB	TRANSITE WALL	45428	SF				0.360	16354	62.58 WMSR	1,023,000	1,023,000		
3311.A92	--- ASB	TRANSITE SEWER PIPE						N/A						
3311.A93	--- ASB	2"-4" TRANSITE CABLE TRAYS & CONDUITS	14115	LF				0.090	1270	62.58 WMSR	79,000	79,000		
		TOTAL 311.3									-102,000	21,223	1,309,000	1,207,000

F E R C A C C O U N T S D E T A I L S

311.4: UNIT 4 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
431		UNIT # 4										
4311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS										
4311.A		MAIN POWER BLOCK DEMOLITION (1,757,348 CF)										
4311.A1	SLD	BUILDING FOUNDATION (2 FT. BELOW GRADE - REINFORCEMENT 250#/CY)	1682	CY		CONC		0.844	1420	60.06	85,000	85,000
4311.A2		WALLS										
4311.A21	SLD	MASONRY WALLS - CONCRETE	4000	SF				0.008	32	62.58	2,000	2,000
4311.A22	MTL	INTERIOR WALLS										
4311.A23	MTL	TRANSITE SIDING	39857	SF								
4311.A3	SLD	ELEVATED CONCRETE FLOORS, STAIRS, ROOFS	237	CY		CONC		0.599	142	60.06	9,000	9,000
4311.A4		STRUCTURAL AND GALLERY STEEL										
4311.A41	SCR MTL	STRUCTURAL AND GIRT STEEL	1915	TN	-75.00	MTL	-144,000	1.016	1946	54.31	106,000	-38,000
4311.A42	MTL	GALLERY GRATING	31470	SF								
4311.A5		PRECAST CONCRETE CHANNEL & LW CONCRETE ROOF										
4311.A51	SLD	BOILER ROOM	6031	SF				0.011	66	67.19	4,000	4,000
4311.A52	SLD	TURBINE ROOM	6292	SF				0.011	69	67.19	5,000	5,000
4311.A53	SLD	CONTROL HOUSE										
4311.A54	SLD	MACHINE SHOP EXTENSION	7873	SF				0.011	87	67.19	6,000	6,000
4311.A55	SLD	AIR HEATER RM, MISC.	1955	SF				0.011	22	67.19	1,000	1,000
4311.A6	MTL	M/BLDG ELEVATOR	1	EA				90.000	90	57.14	5,000	5,000

F E R C A C C O U N T S D E T A I L S

311.4: UNIT 4 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST		
4311.A7	--- MTL	M/BLDG HVAC	1	LS				225.000	225	57.14 WEQP	13,000	13,000		
4311.A8	--- MTL	MAIN BUILDING ELECTRICAL	1	LS				337.500	338	57.14 WEQP	19,000	19,000		
4311.A81	--- MTL	7.5KVA TO 30KVA TRANSFORMERS						INCL. ACCT. 4311.A8						
4311.A82	--- MTL	FIXTURES						INCL. ACCT. 4311.A8						
4311.A83	--- MTL	M/BLDG MISC. ELECTRICAL						INCL. ACCT. 4311.A8						
4311.A9	--- ASB	DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL												
4311.A91	--- ASB	TRANSITE WALL	39857	SF				0.360	14349	62.58 WMSR	898,000	898,000		
4311.A92	--- ASB	TRANSITE SEWER PIPE						N/A						
4311.A93	--- ASB	TRANSITE CABLE TRAYS & CONDUITS						N/A						
		TOTAL 311.4									-144,000	18,786	1,153,000	1,009,000







F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
5311.C21	SLD	PAVED SURFACES	8750	SY				0.120	1050	79.80 WSIT	84,000	84,000
5311.C22	SLD	CONCRETE WALKWAYS	150	CY				0.525	79	60.06 WCON	5,000	5,000
5311.C23	SLD	CONCRETE CURBS	2000	LF				0.012	24	79.80 WSIT	2,000	2,000
5311.C3	MTL	FENCES AND GATES								REMAIN IN PLACE		
5311.C4		YARD DRAINAGE	1	LS						ABANDON IN PLACE		
5311.C5		FIRE LINES & HYDRANTS										
5311.C51		UNDERGROUND FIRE LINES								ABANDON IN PLACE		
5311.C52	MTL	HYDRANTS	1	LS				112.500	113	79.80 WSIT	9,000	9,000
5311.C6	SLD	OUTDOOR LIGHTING	1	LS				225.000	225	60.06 WCON	14,000	14,000
5311.C61	SLD	PRESTRESSED CONCRETE AND FLOODLIGHT POLES								INCL. ACCT. 5311.C6		
5311.C62		CABLE AND CONDUIT								ABANDON IN PLACE		
5311.C7		INTAKE & DISCHARGE STRUCTURES										
5311.C71		DOCKS								REMAIN IN PLACE		
5311.C72	MTL	INTAKE CANAL SHEET PILING WALL								REMAIN IN PLACE		
5311.C73		INTAKE CANAL										
5311.C731	SIT SLD	INTAKE WELLS CLOSURE	1	LS	6000.00						17,000	23,000
5311.C732		INTAKE FILL - "VOID"	4800	CY						VOID INCL. IN WRKG		
5311.C733	SLD	INTAKE STRUCTURE AND SEAWALL	300	CY				1.050	315	60.06 WCON	19,000	19,000
5311.C734	SLD	WOOD LOG BOOM STRUCTURE	2	EA				37.500	75	60.06 WCON	5,000	5,000
5311.C74		DISCHARGE CANAL AND DREDGING CHANNEL - "VOID" VOLUME	37000	CY						VOID INCL. IN WRKG		

F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST
5311.C741	SIT SIT	DISCHARGE CLOSURE	1	LS	6000.00		6,000			9,000	15,000	
5311.C742	--- SLD	DISCHARGE STRUCTURE	100	CY		CONC		1.050	105	60.06 WCON	6,000	6,000
5311.C743	--- MTL	DISCHARGE CANAL SHEET PILING WALL				MTL		REMAIN IN PLACE				
5311.C8	--- DSL	MISCEL. SITE WORK AND MATERIAL HANDLING						INCL. IN WRKG				
5311.C81	--- DSL	MISC. ON-SITE "VOIDS" - PERFORATE CONCRETE FOR DRAINAGE, FILL W/DEBRIS						INCL. IN WRKG				
5311.C811	--- DSL	MAIN BUILDING BSMT	1185	CY		VOID						
5311.C812	--- DSL	CONCRETE PIPE TRENCH	300	CY		VOID						
5311.C813	--- DSL	CONCRETE CABLE TRENCHES AND TUNNEL	400	CY		VOID						
5311.C9		SITE FILL AND LANDSCAPING										
5311.C91	--- SIT	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	65000	CY		FILL		0.050	3250	79.80 WSIT	259,000	259,000
5311.C92	SIT SIT	SEED & MULCH SITE	20	AC	1250.00	SEED	25,000	19.275	386	79.80 WSIT	31,000	56,000
731		OFF-SITE DISPOSAL										
7311.C82		OFF-SITE DISPOSAL										
7311.C821	--- DSL	ASH MONOFILL - EXCAVATE, TRANSPORT & DISPOSE						N/A		DASH		
7311.C822	--- DSL	SPECIAL WASTE - NON-HAZ. CONTAMINATED SOIL - EXCAVATE, TRANSPORT &	19500	CY		DISP		0.433	8444	124.63 DSLG	1,052,000	1,052,000
7311.C823	--- DSL	EXCESS OF SOLID DEBRIS - TRANSPORT & DISPOSAL						N/A				
7311.C824	--- DSL	RUBBISH AND TENANT DEBRIS - TRANSPORT & DISPOSAL	1500	CY		DISP		0.090	135	128.94 DDBR	17,000	17,000
TOTAL 311.C								37,000		22,455	2,133,000	2,170,000

F E R C A C C O U N T S D E T A I L S

312.1: UNIT 1 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	
131		UNIT # 1							
1311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS							
1311.A		MAIN POWER BLOCK DEMOLITION (381,240 CF)							
1311.A9		DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL							
1311.A94	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION						ABATED	
1312		BOILER PLANT							
1312.A	SCR MTL	BOILER AND APPURTENANCES 2 EA @ 140,000#/HR		TN		MTL		PREV. REMOVED WBLR	
1312.B		DRAFT EQUIPMENT							
1312.B1	SCR MTL	FLUES AND DUCTS INCL. BREECHING		TN		MTL		PREV. REMOVED WEQP	
1312.B2	--- MTL	PRECIPITATOR						N/A	
1312.B3		ID, FD FANS & MOTORS						INCL. ACCT. 1312.A	
1312.B4	SCR MTL	REMOVAL OF STEEL STACK		TN		MTL		PREV. REMOVED WEQP	
1312.B5	--- SLD	FOUNDATIONS (2 FT BELOW GRADE) FOR DRAFT EQUIPMENT	120	CY		CONC	1.080	130 60.06 WCON	8,000 8,000
1312.C		FEED WATER SYSTEM							
1312.C1	SCR MTL	FEED WATER DEAERATING EQUIPMENT		TN		MTL		PREV. REMOVED WEQP	
1312.C2		CONDENSATE TANKS						INCL. ACCT. 1316.B	
1312.D		WATER TREATMENT SYSTEM							
1312.D1	SCR MTL	WATER TREATMENT, DEMINERAL., CHEMICAL TREATMENT EQUIPMENT		TN		MTL		PREV. REMOVED WEQP	
1312.F		FUEL OIL EQUIPMENT						INCL. ACCT. 5312.F	
1312.G	SCR MTL	BOILER PLANT PIPING AND HANGERS	150	TN	-75.00	MTL	-11,000	2.025 304 57.14 WEQP	17,000 6,000

F E R C A C C O U N T S D E T A I L S

312.1: UNIT 1 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE	LABOR COST
1312.N	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION										
		TOTAL 312.1					-11,000		434		25,000	14,000

INCL. ACCT. 1311.A94

F E R C A C C O U N T S D E T A I L S

312.2: UNIT 2 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS	WAGE RATE	
231		UNIT # 2									
2311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS									
2311.A		MAIN POWER BLOCK DEMOLITION (619,041 CF)									
2311.A9		DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL									
2311.A94	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION								ABATED	
2312		BOILER PLANT									
2312.A	SCR MTL	BOILER AND APPURTENANCES (1 @ 300,000#/hr)		TN		MTL				PREV. REMOVED WBLR	
2312.B		DRAFT EQUIPMENT									
2312.B1	SCR MTL	FLUES AND DUCTS INCL. BREECHING		TN		MTL				PREV. REMOVED WEQP	
2312.B2	--- MTL	PRECIPITATOR								N/A	
2312.B3		ID, FD FANS & MOTORS								INCL. ACCT. 2312.A	
2312.B4	SCR MTL	REMOVAL OF STEEL STACK		TN		MTL				PREV. REMOVED WEQP	
2312.B5	--- SLD	FOUNDATIONS (2 FT BELOW GRADE) FOR DRAFT EQUIPMENT	120	CY		CONC		1.080	130	60.06 WCON	8,000 8,000
2312.C		FEED WATER SYSTEM									
2312.C1	SCR MTL	FEED WATER DEAERATING EQUIPMENT		TN		MTL				PREV. REMOVED WEQP	
2312.C2		CONDENSATE TANKS								INCL. ACCT. 2316	
2312.D		WATER TREATMENT SYSTEM									
2312.D1	SCR MTL	WATER TREATMENT, DEMINERAL., CHEMICAL TREATMENT EQUIPMENT		TN		MTL				PREV. REMOVED WEQP	
2312.F		FUEL OIL EQUIPMENT								INCL. ACCT. 5312.F	
2312.G	SCR MTL	BOILER PLANT PIPING AND HANGERS	150	TN	-75.00	MTL	-11,000	2.025	304	57.14 WEQP	17,000 6,000

F E R C A C C O U N T S D E T A I L S

312.2: UNIT 2 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS	WAGE RATE	
2312.N	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION								
		TOTAL 312.2				-11,000		434	25,000	14,000

INCL. ACCT. 2311.A94



F E R C A C C O U N T S D E T A I L S

312.3: UNIT 3 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS	WAGE RATE		LABOR COST
331		UNIT # 3										
3311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS										
3311.A		MAIN POWER BLOCK DEMOLITION (1,247,624 CF)										
3311.A9		DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL										
3311.A94	ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION	1	LS				ABATED				
3312		BOILER PLANT										
3312.A	SCR MTL	BOILER AND APPURTENANCES	1830	TN	-75.00 MTL		-137,000	2.025	3706	58.50 WBLR	217,000	80,000
3312.B		DRAFT EQUIPMENT										
3312.B1	SCR MTL	FLUES AND DUCTS INCL. BREECHING	135	TN	-75.00 MTL		-10,000	2.672	361	57.14 WEQP	21,000	11,000
3312.B2	MTL	PRECIPITATOR						N/A				
3312.B3		ID, FD FANS & MOTORS						INCL. ACCT.	3312.A			
3312.B4	SCR MTL	REMOVAL OF STEEL STACKS	100	TN	-75.00 MTL		-8,000	2.025	203	57.14 WEQP	12,000	4,000
3312.B5	SLD	FOUNDATIONS (2 FT BELOW GRADE) FOR DRAFT EQUIPMENT	200	CY		CONC		1.080	216	60.06 WCON	13,000	13,000
3312.C		FEED WATER SYSTEM										
3312.C1	SCR MTL	FEED WATER DEAERATING EQUIPMENT	100	TN	-75.00 MTL		-8,000	2.025	203	57.14 WEQP	12,000	4,000
3312.C2		CONDENSATE TANKS						INCL. ACCT.	3316.B			
3312.D		WATER TREATMENT SYSTEM										
3312.D1	SCR MTL	WATER TREATMENT, DEMINERAL., CHEMICAL TREATMENT EQUIPMENT	60	TN	-75.00 MTL		-5,000	2.025	122	57.14 WEQP	7,000	2,000
3312.F		FUEL OIL EQUIPMENT						INCL. ACCT.	5312.F			
3312.G	SCR MTL	BOILER PLANT PIPING AND HANGERS	300	TN	-75.00 MTL		-23,000	2.025	608	57.14 WEQP	35,000	12,000



F E R C A C C O U N T S D E T A I L S

312.4: UNIT 4 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE
431		UNIT # 4									
4311		STRUCTURES AND IMPROVEMENTS - DEMOLITION AND MODIFICATIONS									
4311.A		MAIN POWER BLOCK DEMOLITION (1,757,348 CF)									
4311.A9		DEMOLITION AND REMOVAL OF M/BLDG HAZARDOUS MATERIAL									
4311.A94	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION - PARTIALLY	1	LS				ABATED			
4312		BOILER PLANT									
4312.A	SCR MTL	BOILER AND APPURTENANCES	1840	TN	-75.00 MTL	-138,000	2.025	3726	58.50 WBLR	218,000	80,000
4312.B		DRAFT EQUIPMENT									
4312.B1	SCR MTL	FLUES AND DUCTS INCL. BREECHING	135	TN	-75.00 MTL	-10,000	2.672	361	57.14 WEQP	21,000	11,000
4312.B2	--- MTL	PRECIPITATOR						N/A			
4312.B3		ID, FD FANS & MOTORS						INCL. ACCT. 4312.A			
4312.B4	SCR MTL	REMOVAL OF STEEL STACKS - 2 EA	155	TN	-75.00 MTL	-12,000	2.025	314	57.14 WEQP	18,000	6,000
4312.B5	--- SLD	FOUNDATIONS (2 FT BELOW GRADE) FOR DRAFT EQUIPMENT	200	CY			1.080	216	60.06 WCON	13,000	13,000
4312.C		FEED WATER SYSTEM									
4312.C1	SCR MTL	FEED WATER DEAERATING EQUIPMENT	100	TN	-75.00 MTL	-8,000	2.025	203	57.14 WEQP	12,000	4,000
4312.C2		CONDENSATE TANKS						INCL. ACCT. 4316.B			
4312.D		WATER TREATMENT SYSTEM									
4312.D1	SCR MTL	WATER TREATMENT, DEMINERAL., CHEMICAL TREATMENT EQUIPMENT	60	TN	-75.00 MTL	-5,000	2.025	122	57.14 WEQP	7,000	2,000
4312.F		FUEL OIL EQUIPMENT						INCL. ACCT. 5312.F			
4312.G	SCR MTL	BOILER PLANT PIPING AND HANGERS	300	TN	-75.00 MTL	-23,000	2.025	608	57.14 WEQP	35,000	12,000

F E R C A C C O U N T S D E T A I L S

312.4: UNIT 4 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE	LABOR COST
4312.N	--- ASB	REMOVAL OF ALL ASBESTOS EQUIPMENT AND PIPING INSULATION										
		TOTAL 312.4					-196,000		5,550		324,000	128,000

INCL. ACCT. 4311.A94

F E R C A C C O U N T S D E T A I L S

312.C: MATERIAL HANDLING - COMMON FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST	
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR WAGE RATE
531		COMMON FACILITIES							
5312.F		FUEL OIL EQUIPMENT							
5312.F1	SCR MTL	FUEL AND LUBE OIL STORAGE TANKS - 1 EA @ 200,000BRL, 1 EA @					PREVIOUSLY REMOVED		
5312.F2	SCR MTL	MISCELLANEOUS FUEL OIL EQUIPMENT	390 TN	-75.00 MTL	-29,000	2.672	1042 57.14 WEQP	60,000	31,000
5312.F3		FUEL OIL EQUIPMENT FOUNDATIONS					INCL. ACCT. 5311.B6		
5312.J	SCR MTL	MISCEL. STORAGE TANKS AND PUMPS	300 TN	-75.00 MTL	-23,000	2.672	802 57.14 WEQP	46,000	23,000
5312.M		FUEL EQUIPMENT - MATERIAL HANDLING							
5312.M1	--- MTL	CONVEYORS INCLUDING TRUSSES, BENTS, EQUIPMENT					N/A		
5312.M2	--- MTL	BUILDINGS AND TOWERS					N/A		
5312.M3	--- SLD	FOUNDATIONS (2 FT BELOW GRADE)					N/A		
TOTAL 312.C									
					-52,000		1,844	106,000	54,000

F E R C A C C O U N T S D E T A I L S

314.1: UNIT 1 - TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	
131		UNIT # 1							
1314		TURBINE PLANT							
1314.B		TURBINE GENERATOR UNIT AND ACCESSORIES							
1314.B1	SCR MTL	TURBINE GENERATOR		TN				PREV. REMOVED WEQP	
1314.B2	SCR MTL	CONDENSER		TN				PREV. REMOVED WEQP	
1314.B3	--- SLD	TURBINE PEDESTAL	400	CY		CONC	1.800	720 60.06 WCON	43,000 43,000
1314.B4		TURBINE PLANT PIPING AND HANGERS						INCL. ACCT. 1312.G	
1314.C		CIRCULATING WATER SYSTEM							
1314.C1	SCR MTL	CIRCULATING WATER SYSTEM EQUIPMENT - PUMPS, MOTORS, SWITCHGEAR, TRAV.	80	TN	-75.00 MTL		2.025	162 57.14 WEQP	9,000 3,000
1314.C2	--- SLD	CIRCULATING WATER SYSTEM PIPING AND TUNNELS	1	LS			480.000	480 60.06 WCON	29,000 29,000
1314.C3	--- MTL	INTAKE RACKS, MISC.						INCL. ACCT. 1314.C1	
1314.C4	--- MTL	12 TN GANTRY CRANE		TN		MTL		INCL. ACCT. 3314.C4	
1314.C5		COOLING WATER TOWER						N/A	
TOTAL 314.1									-6,000 1,362 81,000 75,000

F E R C A C C O U N T S D E T A I L S

314.2: UNIT 2 - TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
231		UNIT # 2										
2314		TURBINE PLANT										
2314.B		TURBINE GENERATOR UNIT AND ACCESSORIES										
2314.B1	SCR MTL	TURBINE GENERATOR		TN				PREV. REMOVED				
					MTL			WEQP				
2314.B2	SCR MTL	CONDENSER		TN				PREV. REMOVED				
					MTL			WEQP				
2314.B3	--- SLD	TURBINE PEDESTAL	400	CY				1.800	720	60.06	43,000	
					CONC			WCON			43,000	
2314.B4		TURBINE PLANT PIPING AND HANGERS						INCL. ACCT.	2312.G			
2314.C		CIRCULATING WATER SYSTEM										
2314.C1	SCR MTL	CIRCULATING WATER SYSTEM EQUIPMENT - PUMPS, MOTORS, SWITCHGEAR, TRAV.	80	TN	-75.00		-6,000	2.025	162	57.14	9,000	
					MTL			WEQP			3,000	
2314.C2	--- SLD	CIRCULATING WATER SYSTEM PIPING AND TUNNELS	1	LS				480.000	480	60.06	29,000	
								WCON			29,000	
2314.C3	--- MTL	INTAKE RACKS, MISC.						INCL. ACCT.	2314.C1			
2314.C4	--- MTL	12 TN GANTRY CRANE		TN				INCL. ACCT.	3314.C4			
					MTL							
2314.C5		COOLING WATER TOWER						N/A				
TOTAL 314.2							-6,000		1,362		81,000	75,000

F E R C A C C O U N T S D E T A I L S

314.3: UNIT 3 - TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
331		UNIT # 3										
3314		TURBINE PLANT										
3314.B		TURBINE GENERATOR UNIT AND ACCESSORIES										
3314.B1	SCR MTL	TURBINE GENERATOR	480	TN	-75.00 MTL		-36,000	2.025	972	57.14 WEQP	56,000	20,000
3314.B2	SCR MTL	CONDENSER	220	TN	-75.00 MTL		-17,000	2.025	446	57.14 WEQP	25,000	8,000
3314.B3	--- SLD	TURBINE PEDESTAL	746	CY		CONC		1.800	1343	60.06 WCON	81,000	81,000
3314.B4		TURBINE PLANT PIPING AND HANGERS						INCL.	ACCT.	3312.G		
3314.C		CIRCULATING WATER SYSTEM										
3314.C1	SCR MTL	CIRCULATING WATER SYSTEM EQUIPMENT - PUMPS, MOTORS, SWITCHGEAR, TRAV	150	TN	-75.00 MTL		-11,000	2.025	304	57.14 WEQP	17,000	6,000
3314.C2	--- SLD	CIRCULATING WATER SYSTEM PIPING AND TUNNELS	1	LS				562.500	563	60.06 WCON	34,000	34,000
3314.C3	--- MTL	INTAKE RACKS, MISC.						INCL.	ACCT.	3314.C1		
3314.C4	SCR MTL	12 TN GANTRY CRANE	30	TN	-75.00 MTL		-2,000	2.025	61	57.14 WEQP	3,000	1,000
3314.C5		COOLING WATER TOWER						N/A				
		TOTAL 314.3					-66,000		3,689		216,000	150,000



F E R C A C C O U N T S D E T A I L S

314.4: UNIT 4 - TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
431		UNIT # 4										
4314		TURBINE PLANT										
4314.B		TURBINE GENERATOR UNIT AND ACCESSORIES										
4314.B1	SCR MTL	TURBINE GENERATOR	480	TN	-75.00 MTL		-36,000	2.025	972	57.14 WEQP	56,000	20,000
4314.B2	SCR MTL	CONDENSER	220	TN	-75.00 MTL		-17,000	2.025	446	57.14 WEQP	25,000	8,000
4314.B3	--- SLD	TURBINE PEDESTAL	805	CY		CONC		1.800	1449	60.06 WCON	87,000	87,000
4314.B4		TURBINE PLANT PIPING AND HANGERS								INCL. ACCT. 4312.G		
4314.C		CIRCULATING WATER SYSTEM										
4314.C1	SCR MTL	CIRCULATING WATER SYSTEM EQUIPMENT - PUMPS, MOTORS, SWITCHGEAR, TRAV.	150	TN	-75.00 MTL		-11,000	2.025	304	57.14 WEQP	17,000	6,000
4314.C2	--- SLD	CIRCULATING WATER SYSTEM PIPING AND TUNNELS	1	LS				562.500	563	60.06 WCON	34,000	34,000
4314.C3	--- MTL	INTAKE RACKS, MISC.								INCL. ACCT. 4314.C1		
4314.C4	--- MTL	12 TN GANTRY CRANE				MTL				INCL. ACCT. 3314.C4		
4314.C5		COOLING WATER TOWER								N/A		
		TOTAL 314.4					-64,000		3,734		219,000	155,000

F E R C A C C O U N T S D E T A I L S

315.1: UNIT 1 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					RATE	EQUIPMENT COST	MNHR RATE	MNHR WAGE RATE	
131		UNIT # 1							
1315		ACCESSORY ELECTRICAL EQUIPMENT							
1315.A	SCR MTL	GENERATOR BUS TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT		TN		MTL		PREV REMOVED WEQP	
1315.B		CABLE TRAYS & DUCTRUNS						INCL. ACCT. 5311.C	
1315.C	--- SLD	TRANSFORMER FOUNDATIONS & FIRE WALLS, CURBS, PIERS, BASIN INCL. TRANSFER CAR	80	CY		CONC	1.080	86 60.06 WCON	5,000 5,000
1317		SCRAP VALUE							
1317.B	SCR SCR	SCRAP VALUE OF COPPER	2000	LB	-1.00	SCRC			-2,000 -2,000
		TOTAL 315.1						86	5,000 3,000

F E R C A C C O U N T S D E T A I L S

315.2: UNIT 2 - ACCESSORY ELECTRICAL  
EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
231		UNIT # 2										
2315		ACCESSORY ELECTRICAL EQUIPMENT										
2315.A	SCR MTL	GENERATOR BUS TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT		TN		MTL		PREV REMOVED WEQP				
2315.B		CABLE TRAYS & DUCTRUNS						INCL. ACCT. 5311.C				
2315.C	--- SLD	TRANSFORMER FOUNDATIONS & FIRE WALLS, CURBS, PIERS, BASIN INCL. TRANSFER CAR	80	CY		CONC	1.080	86 60.06 WCON	5,000			
2317		SCRAP VALUE										
2317.B	SCR SCR	SCRAP VALUE OF COPPER	2000	LB	-1.00	SCRC			-2,000			
TOTAL 315.2									-2,000	86	5,000	3,000

F E R C A C C O U N T S D E T A I L S

315.3: UNIT 3 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** L A B O R ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
331		UNIT # 3										
3315		ACCESSORY ELECTRICAL EQUIPMENT										
3315.A	SCR MTL	GENERATOR BUS TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	110	TN	-75.00 MTL		-8,000	2.672	294	57.14 WEQP	17,000	9,000
3315.B		CABLE TRAYS & DUCTRUNS								INCL. ACCT. 5311.C		
3315.C	--- SLD	TRANSFORMER FOUNDATIONS & FIRE WALLS, CURBS, PIERS, BASIN INCL. TRANSFER CAR	160	CY		CONC		1.080	173	60.06 WCON	10,000	10,000
3317		SCRAP VALUE										
3317.B	SCR SCR	SCRAP VALUE OF COPPER	40000	LB	-1.00 SCRC		-40,000					-40,000
		TOTAL 315.3					-48,000		467		27,000	-21,000

F E R C A C C O U N T S D E T A I L S

315.4: UNIT 4 - ACCESSORY ELECTRICAL  
EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** L A B O R ***		TOTAL COST
				MATERIAL RATE	EQUIPMENT COST	MNHR RATE	MNHR WAGE RATE	
431		UNIT # 4						
4315		ACCESSORY ELECTRICAL EQUIPMENT						
4315.A	SCR MTL	GENERATOR BUS TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	110 TN	-75.00 MTL	-8,000	2.672	294 57.14 WEQP	17,000 9,000
4315.B		CABLE TRAYS & DUCTRUNS				INCL. ACCT. 5311.C		
4315.C	--- SLD	TRANSFORMER FOUNDATIONS & FIRE WALLS, CURBS, PIERS, BASIN INCL. TRANSFER CAR	160 CY		CONC	1.080	173 60.06 WCON	10,000 10,000
4317		SCRAP VALUE						
4317.B	SCR SCR	SCRAP VALUE OF COPPER	40000 LB	-1.00 SCRC	-40,000			-40,000
		TOTAL 315.4			-48,000		467 27,000	-21,000

F E R C A C C O U N T S D E T A I L S

315.C: COMMON - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE MNHRS	
531		COMMON FACILITIES						
5315		ACCESSORY ELECTRICAL EQUIPMENT						
5315.A	SCR MTL	STATION AUXILIARY TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	60 TN	-75.00 MTL		-5,000	2.672 160 57.14 WEQP	9,000 4,000
5315.B		CABLE TRAYS & DUCTRUNS					INCL. ACCT. 5311.7	
5315.C	--- SLD	TRANSFORMER YARD FOUNDATIONS, FIRE WALLS, PIERS, CURBS	50 CY		CONC		1.080 54 60.06 WCON	3,000 3,000
5317		SCRAP VALUE						
5317.B	SCR SCR	SCRAP VALUE OF COPPER	30000 LB	-1.00 SCRC		-30,000		-30,000
TOTAL 315.C						-35,000	214 12,000	-23,000

F E R C A C C O U N T S D E T A I L S

316.1: UNIT 1 - MISC. POWER PLANT EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE
131		UNIT # 1									
1316		MISCELLANEOUS POWER PLANT EQUIPMENT									
1316.A	SCR MTL	MISCELLANEOUS POWER PLANT EQUIPMENT	70	TN	-75.00 MTL	-5,000	2.025	142	57.14 WEQP	8,000	3,000
1316.B	SCR MTL	MISC. SMALL TANKS	30	TN	-75.00 MTL	-2,000	2.672	80	57.14 WEQP	5,000	3,000
1316.C	--- MTL	TURBINE ROOM O.H. CRANE 75/15 TON	1	EA			262.500	263	54.31 WSTL	14,000	14,000
1316.G	--- MTL	BALANCE OF PLANT PIPING AND HANGERS	1	LT			187.500	188	57.14 WEQP	11,000	11,000
TOTAL 316.1						-7,000		673		38,000	31,000

F E R C A C C O U N T S D E T A I L S

316.2: UNIT 2 - MISC. POWER PLANT EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR
231		UNIT # 2								
2316		MISCELLANEOUS POWER PLANT EQUIPMENT								
2316.A	SCR MTL	MISCELLANEOUS POWER PLANT EQUIPMENT		TN				PREV. REMOVED WEQP		
2316.B	SCR MTL	MISC. SMALL TANKS		TN				PREV. REMOVED WEQP		
2316.C	--- MTL	TURBINE ROOM O.H. CRANE 75/15 TON						INCL. ACCT. 1316.C		
2316.G	--- MTL	BALANCE OF PLANT PIPING AND HANGERS	1	LT			187.500	188 57.14 WEQP	11,000	
		TOTAL 316.2						188	11,000	11,000



F E R C A C C O U N T S D E T A I L S

316.3: UNIT 3 - MISC. POWER PLANT EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
331		UNIT # 3										
3316		MISCELLANEOUS POWER PLANT EQUIPMENT										
3316.A	SCR MTL	MISCELLANEOUS POWER PLANT EQUIPMENT	145	TN	-75.00 MTL		-11,000	2.025	294	57.14 WEQP	17,000	6,000
3316.B	SCR MTL	MISC. SMALL TANKS	50	TN	-75.00 MTL		-4,000	2.672	134	57.14 WEQP	8,000	4,000
3316.C	--- MTL	TURBINE ROOM O.H. CRANE 75/15 TON								INCL. ACCT. 1316.C		
3316.G	--- MTL	BALANCE OF PLANT PIPING AND HANGERS	1	LT				262.500	263	57.14 WEQP	15,000	15,000
TOTAL 316.3							-15,000		691		40,000	25,000

F E R C A C C O U N T S D E T A I L S

316.4: UNIT 4 - MISC. POWER PLANT EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	WAGE RATE	*** LABOR COST	TOTAL COST
431		UNIT # 4									
4316		MISCELLANEOUS POWER PLANT EQUIPMENT									
4316.A	SCR MTL	MISCELLANEOUS POWER PLANT EQUIPMENT	145 TN	-75.00 MTL		-11,000	2.025	294	57.14 WEQP	17,000	6,000
4316.B	SCR MTL	MISC. SMALL TANKS	50 TN	-75.00 MTL		-4,000	2.672	134	57.14 WEQP	8,000	4,000
4316.C	--- MTL	TURBINE ROOM O.H. CRANE 75/15 TON							INCL. ACCT. 1316.C		
4316.G	--- MTL	BALANCE OF PLANT PIPING AND HANGERS	1 LT				262.500	263	57.14 WEQP	15,000	15,000
TOTAL 316.4						-15,000		691		40,000	25,000

F E R C A C C O U N T S D E T A I L S

341.C: PEAKERS COMMON FACILITIES -  
STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST					
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST			
631		STATION PEAKERS COMMON FACILITIES													
6311		STRUCTURES & IMPROVEMENTS - DEMOLITION AND MODIFICATION													
6311.1		COMB. TURBINE STRUCTURE DEMOLITION								INCL. ACCTS 610,611					
6311.2		SITE WORK AND SITE STRUCTURE DEMOLITION													
6311.21		SITE EXCAVATION								INCL. ACCT. 5311.A					
6311.22		ROADS & PAVEMENTS													
6311.221	---	PAVED SURFACES - GRAVEL & ASPHALT	6300	SY				0.120	756	79.80 WSIT	60,000	60,000			
6311.222	---	CONCRETE WALKWAYS	140	CY				0.525	74	60.06 WCON	4,000	4,000			
6311.23	---	FENCES AND GATES	1000	LF				0.025	25	79.80 WSIT	2,000	2,000			
6311.3		OUTLYING STRUCTURES DEMOLITION													
6311.31	---	MISC. SITE BUILDINGS	2000	CF				0.006	12	62.58 WMSR	1,000	1,000			
6311.32	---	TANK FOUNDATIONS	220	CY				1.125	248	60.06 WCON	15,000	15,000			
6311.33	---	MISC. EQUIPMENT AND SITE BUILDINGS FOUNDATIONS	120	CY				1.125	135	60.06 WCON	8,000	8,000			
6311.4		OFF-SITE DISPOSAL										INCL. ACCT. 7311.CB			
6311.5		SITE FILL AND LANDSCAPING													
6311.51	---	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	22600	CY				0.050	1130	79.80 WSIT	90,000	90,000			
6311.52	SIT SIT	SEED & MULCH SITE	7	AC	1250.00 SEED			19.275	135	79.80 WSIT	11,000	20,000			
TOTAL 341.C												9,000	2,515	191,000	200,000

F E R C A C C O U N T S D E T A I L S

341.P1: PEAKERS 1-2 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
610		STATION PEAKERS 1-2										
6101.1		COMB. TURBINE STRUCTURE DEMOLITION										
6101.11	--- SLD	COMB. TURBINE FOUNDATIONS -COMMON MAT AND PEDESTALS	350	CY		CONC		1.125	394	60.06 WCON	24,000	24,000
		TOTAL 341.P1							394		24,000	24,000

F E R C A C C O U N T S D E T A I L S

341.P2: PEAKERS 3-4 - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		WAGE RATE	LABOR COST
611		STATION PEAKERS 3-4									
6111.1		COMB. TURBINE STRUCTURE DEMOLITION									
6111.11	--- SLD	COMB. TURBINE FOUNDATIONS - COMMON MAT AND PEDESTALS	1250	CY		CONC	1.125	1406	60.06	84,000	84,000
		TOTAL 341.P2						1,406		84,000	84,000

F E R C A C C O U N T S D E T A I L S

342.C: PEAKERS COMMON FACILITIES - FUEL OIL  
& BOP EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST	
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR WAGE RATE
631		STATION PEAKERS COMMON FACILITIES							
6312		EQUIPMENT							
6312.1		COMBUSTION TURBINES					INCL. ACCTS 610,611		
6312.3		FUEL OIL SYSTEM							
6312.31	SCR MTL	FUEL OIL STORAGE TANKS - 2 EA - 100,000 BRL	1255 TN	-75.00 MTL	-94,000	2.672	3353 57.14 WEQP	192,000	98,000
6312.32		MISCEL.LUBE OIL STORAGE					INCL. ACCT. 6110,31		
6312.4		WATER TREATMENT SYSTEM					N/A		
6312.5	SCR MTL	FUEL OIL & MISC. PIPING 2000LF - 2-OIL, 1-STEAM	160 TN	-75.00 MTL	-12,000	2.025	324 57.14 WEQP	19,000	7,000
TOTAL 342.C						-106,000	3,677	211,000	105,000

F E R C A C C O U N T S D E T A I L S

344.P1: PEAKERS 1-2 - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
610		STATION PEAKERS 1-2										
6102.1		COMBUSTION TURBINES 1-2										
6102.11	SCR MTL	COMBUSTION TURBINES GE 2EA @ 19.3MW	450	TN	-75.00 MTL		-34,000	3.570	1607	57.14 WEQP	92,000	58,000
		TOTAL 344.P1					-34,000		1,607		92,000	58,000

F E R C A C C O U N T S D E T A I L S

344.P2: PEAKERS 3-4 - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST		
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE	LABOR COST
611		STATION PEAKERS 3-4									
6112.1		COMBUSTION TURBINES 3-4									
6112.11	SCR MTL	COMBUSTION TURBINES WESTING. 2EA @ 71.2MW	1050 TN	-75.00 MTL		-79,000	3.570	3749	57.14 WEQP	214,000	135,000
		TOTAL 344.P2				-79,000		3,749		214,000	135,000



F E R C A C C O U N T S D E T A I L S

345.P1: PEAKERS 1-2 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	***	M A T E R I A L	***	***	L A B O R		***	TOTAL COST
					MATERIAL	EQUIPMENT	MATERIAL	MNHR	WAGE	LABOR	COST	
					RATE	COST	COST	RATE	MNHR	RATE	COST	
610		STATION PEAKERS 1-2										
6102.1		COMBUSTION TURBINES 1-2										
6102.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	100	TN	-75.00 MTL		-8,000	3.570	357	57.14 WEQP	20,000	12,000
6107		SCRAP VALUE										
6107.B	SCR SCR	SCRAP VALUE OF COPPER	10000	LB	-1.00 \$CRG		-10,000					-10,000
		TOTAL 345.P1					-18,000		357		20,000	2,000

F E R C A C C O U N T S D E T A I L S

345.P2: PEAKERS 3-4 - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	LABOR WAGE RATE	*** LABOR COST	TOTAL COST
611		STATION PEAKERS 3-4									
6112.1		COMBUSTION TURBINES 3-4									
6112.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	200 TN	-75.00 MTL		-15,000	3.570	714	57.14 WEQP	41,000	26,000
6117		SCRAP VALUE									
6117.B	SCR SCR	SCRAP VALUE OF COPPER	20000 LB	-1.00 SCRC		-20,000					-20,000
TOTAL 345.P2						-35,000		714		41,000	6,000

F E R C A C C O U N T S D E T A I L S

IND: INDIRECT EXPENSES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MNHR RATE	MNHR	
900	---	INDIRECT EXPENSES							
	IND								
900.1	---	FPC INDIRECT EXPENSES							
	IND								
900.11	---	FPC ENGINEERING ALLOCATION	1	LS				204,000	204,000
	IND								
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1	LS				39,000	39,000
	IND								
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1	LS				318,000	318,000
	IND								
900.14	---	WRAP-UP AND RISK INSURANCE	1	LS				6,000	6,000
	IND								
900.15	---	FPC SUPERVISION	1	LS				254,000	254,000
	IND								
900.16	---	SECURITY SERVICES	1	LS				331,000	331,000
	IND								
900.17	---	A/E ENGINEERING, DIRECT (ENG'G SUPPORT AND RECORDS CLOSE-OUT)	1	LS				191,000	191,000
	IND								
900.18	---	PERMITS	1	LS				20,000	20,000
	IND								
		TOTAL IND						1,363,000	1,363,000

# **APPENDIX Q**

**University of Florida  
Cogeneration Cost Estimate**

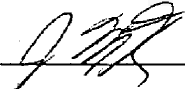
2004 FOSSIL PLANT DISMANTLEMENT STUDY

CONCEPTUAL COST ESTIMATE

PREPARED FOR  
FLORIDA POWER CORPORATION  
UNIVERSITY OF FLORIDA  
COGENERATION PLANT

SARGENT & LUNDY

ESTIMATE NO. 16428D  
PROJECT NO. 11732000  
December 02, 2004

REVIEWED BY:  \_\_\_\_\_

APPROVED BY:

TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	4

Sargent & Lundy  
Chicago

C O S T   S U M M A R Y   R E P O R T  
FLORIDA POWER CORPORATION  
UNIVERSITY OF FLORIDA  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
Estimate No: 16428D  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 02DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
610	COGENERATING PLANT		-134,000	402,000	268,000
631	COGENERATING PLANT COMMON FACILITIES		-29,000	138,000	109,000
731	OFF-SITE DISPOSAL			12,000	12,000
TOTAL CONSTRUCTION COSTS			-163,000	552,000	389,000
INDIRECT EXPENSES					669,000
ESCALATION					
SALES/USE TAX					
CONTINGENCY					159,000
TOTAL PROJECT COST AFUDC					1,217,000
GRAND TOTAL COST					1,217,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
                  Material 0.000%  
                  Labor 0.000%  
                  Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000%   Material 0.000%

CONTINGENCY RATES: Equipment 0.0%   Material 15.0%   Labor 15.0%   Indirects 15.0%

Sargent & Lundy  
Chicago

WORK PACKAGE SUMMARY  
FLORIDA POWER CORPORATION  
UNIVERSITY OF FLORIDA  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 2  
Estimate No: 16428D  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 02DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
DSL	OFF-SITE DISPOSAL			12,000	12,000
IND	INDIRECT COSTS			669,000	669,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			261,000	261,000
SCR	SCRAP VALUE		-164,000		-164,000
SIT	SITE WORK		1,000	35,000	36,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			244,000	244,000
	TOTAL CONSTRUCTION COSTS		-163,000	1,221,000	1,058,000
	INDIRECT EXPENSES				(included above)
	ESCALATION				
	SALES/USE TAX				
	CONTINGENCY				159,000
	TOTAL PROJECT COST				1,217,000
	AFUDC				
	GRAND TOTAL COST				1,217,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%



Sargent & Lundy  
Chicago

F E R C A C C O U N T S S U M M A R Y

FLORIDA POWER CORPORATION  
UNIVERSITY OF FLORIDA  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
Estimate No: 164280  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 02DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
341.C	COGEN. PLANT COMMON SITE FACILITIES - STRUCTURES AND IMPROVEMENTS		1,000	94,000	95,000
341.P	COGEN. PLANT - STRUCTURES AND IMPROVEMENTS		-19,000	211,000	192,000
342.C	COGEN. PLANT COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT		-30,000	56,000	26,000
342.P	COGEN. PLANT - BOILER PLANT (HRSG) EQUIPMENT		-60,000	125,000	65,000
344.P	COGEN. PLANT - GAS TURBINE PLANT		-17,000	46,000	29,000
345.P	COGEN. PLANT - ACCESSORY ELECTRICAL EQUIPMENT		-38,000	20,000	-18,000
IND	INDIRECT EXPENSES			669,000	669,000
	TOTAL CONSTRUCTION COSTS		-163,000	1,221,000	1,058,000

Sargent & Lundy  
Chicago

F E R C A C C O U N T S D E T A I L S

FLORIDA POWER CORPORATION  
UNIVERSITY OF FLORIDA  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 4  
Estimate No: 16428D  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 02DEC04

Price level: 2004

341.C: COGEN. PLANT COMMON SITE FACILITIES  
- STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** M A T E R I A L ***			*** L A B O R ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS	WAGE RATE		LABOR COST
631		COGENERATING PLANT COMMON FACILITIES										
6311		STRUCTURES & IMPROVEMENTS - DEMOLITION AND MODIFICATION										
6311.2		SITE WORK AND SITE STRUCTURE DEMOLITION										
6311.21		SITE EXCAVATION						INCL. IN WRKG				
6311.213	---	BORROW EXCAVATION	3750	CY				0.060	225	79.80	18,000	18,000
	SIT									WSIT		
6311.214	---	FILL	3750	CY						INCL. ACCT. 6311.51		
	SIT											
6311.22		ROADS & PAVEMENTS										
6311.221	---	PAVED SURFACES	1000	SY				0.120	120	79.80	10,000	10,000
	SLD									WSIT		
6311.222	---	CONCRETE PAVEMENT & WALKWAYS	150	CY				0.525	79	60.06	5,000	5,000
	SLD									WCON		
6311.23	---	FENCES AND GATES								REMAIN		
	SIT											
6311.24	---	R/R TRACKS SIDING								N/A		
	MTL											
6311.3		OUTLYING STRUCTURES DEMOLITION										
6311.31	---	MISC. SITE BUILDINGS										
	SLD											
6311.311	---	ADMIN. BUILDING								INCL. ACCT. 6101.1		
	SLD											
6311.312	---	WATER TREATMENT BUILDING								INCL. ACCT. 6101.1		
	SLD											
6311.313	---	MAINTENANCE BUILDING, PREFAB, 20'X20'X12'H	4800	CF				0.006	29	62.58	2,000	2,000
	SLD									WMSR		
6311.32	---	MISC. EQUIPMENT AND TANK FOUNDATIONS & BERMS	205	CY				1.125	231	60.06	14,000	14,000
	SLD									WCON		

F E R C A C C O U N T S D E T A I L S

341.C: COGEN. PLANT COMMON SITE FACILITIES  
- STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST		
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST
6311.33	--- SLD	CONCRETE CONTAINMENT STRUCTURE	235 CY		CONC		1.125	264	60.06	16,000	16,000
6311.34	--- SLD	TRANSFORMER FOUNDATIONS					INCL. ACCT. 6311.11				
6311.5		SITE FILL AND LANDSCAPING									
6311.51	--- SIT	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	3750 CY		FILL		0.050	188	79.80	15,000	15,000
6311.52	SIT SIT	SEED & MULCH SITE	1 AC	1250.00	SEED	1,000	19.275	19	79.80	2,000	3,000
7311.4		OFF-SITE DISPOSAL									
7311.41	--- DSL	SPECIAL WASTE - NON-HAZ. CONTAMINATED SOIL - EXCAVATE, TRANSPORT &					N/A				
7311.42	--- DSL	EXCESS OF SOLID DEBRIS - TRANSPORT & DISPOSAL					N/A				
7311.43	--- DSL	RUBBISH AND TENANT DEBRIS - TRANSPORT & DISPOSAL	1000 CY		DISP		0.090	190	128.94	12,000	12,000
TOTAL 341.C										94,000	95,000



F E R C A C C O U N T S D E T A I L S

342.C: COGEN. PLANT COMMON FACILITIES -  
FUEL OIL & BOP EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNRS	WAGE RATE	LABOR COST
631		COGENERATING PLANT COMMON FACILITIES										
6312		EQUIPMENT										
6312.3		FUEL OIL SYSTEM										
6312.31	--- MTL	FUEL OIL STORAGE TANKS - 4 EA						N/A				
6312.32	SCR MTL	MISC. TANKS AND PUMPS	100	TN	-75.00 MTL		-8,000	2.672	267	57.14 WEQP	15,000	7,000
6312.4	SCR MTL	WATER TREATMENT SYSTEM & DEMIN. SYSTEM	150	TN	-75.00 MTL		-11,000	2.672	401	57.14 WEQP	23,000	12,000
6312.5	SCR MTL	AIR FILTER HOUSE	40	TN	-75.00 MTL		-3,000	2.672	107	57.14 WEQP	6,000	3,000
6312.6	SCR MTL	MISC. PIPING	60	TN	-75.00 MTL		-5,000	2.025	122	57.14 WEQP	7,000	2,000
6312.7	SCR MTL	PIPING BRIDGE	40	TN	-75.00 MTL		-3,000	2.025	81	57.14 WEQP	5,000	2,000
TOTAL 342.C							-30,000		978		56,000	26,000

F E R C A C C O U N T S D E T A I L S

342.P: COGEN. PLANT - BOILER PLANT (HRSG)  
EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		WAGE RATE	LABOR COST
610		COGENERATING PLANT									
6102.2	SCR MTL	PACKAGE HRSG, AND AUX. EQUIPMENT	800	TN	-75.00 MTL		-60,000	2.672 2138	58.50 WBLR	125,000	65,000
		TOTAL 342.P					-60,000		2,138	125,000	65,000

F E R C A C C O U N T S D E T A I L S

344.P: COGEN. PLANT - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE	LABOR COST
610		COGENERATING PLANT										
6102.1		COMBUSTION TURBINES										
6102.11	SCR MTL	COMBUSTION TURBINE GE 1EA @ 40MW, LM6000	225	TN	-75.00 MTL		-17,000	3.570	803	57.14 WEQP	46,000	29,000
		TOTAL 344.P					-17,000		803		46,000	29,000

F E R C A C C O U N T S D E T A I L S

345.P: COGEN. PLANT - ACCESSORY ELECTRICAL EQUIPMENT
--

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE MNHRS	
610		COGENERATING PLANT						
6102.1		COMBUSTION TURBINES						
6102.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	100 TN	-75.00 MTL		-8,000	3.570 357 57.14 WEQP	20,000 12,000
6107		SCRAP VALUE						
6107.B	SCR SCR	SCRAP VALUE OF COPPER	30000 LB	-1.00 SCRC		-30,000		-30,000
TOTAL 345.P						-38,000	357 20,000	-18,000



F E R C A C C O U N T S D E T A I L S

IND: INDIRECT EXPENSES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	
900	---	INDIRECT EXPENSES							
	IND								
900.1	---	FPC INDIRECT EXPENSES	1	LS					
	IND								
900.11	---	FPC ENGINEERING ALLOCATION	1	LS				101,000	101,000
	IND								
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1	LS				2,000	2,000
	IND								
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1	LS				159,000	159,000
	IND								
900.14	---	WRAP-UP AND RISK INSURANCE	1	LS				1,000	1,000
	IND								
900.15	---	FPC SUPERVISION	1	LS				127,000	127,000
	IND								
900.16	---	SECURITY SERVICES	1	LS				164,000	164,000
	IND								
900.17	---	A/E ENGINEERING, DIRECT (ENG'G SUPPORT AND RECORDS CLOSE-OUT)	1	LS				95,000	95,000
	IND								
900.18	---	PERMITS	1	LS				20,000	20,000
	IND								
		TOTAL IND						669,000	669,000

# **APPENDIX R**

**System Fuel Terminal, etc.  
Cost Estimate**

2004 FOSSIL PLANT DISMANTLEMENT STUDY

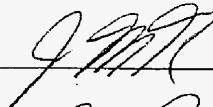
CONCEPTUAL COST ESTIMATE

PREPARED FOR

FLORIDA POWER CORPORATION  
SYSTEMS FUEL TERMINAL  
BARTOW-ANCLOTE OIL PIPELINE

SARGENT & LUNDY

ESTIMATE NO. 16429D  
PROJECT NO. 11732000  
December 01, 2004

REVIEWED BY: 

APPROVED BY: 

TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	4

Sargent & Lundy  
Chicago

C O S T S U M M A R Y R E P O R T

FLORIDA POWER CORPORATION  
SYSTEMS FUEL TERMINAL  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
Estimate No: 16429D  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
531	BARTOW-ANCLOTE OIL PIPELINE - COMMON FACILITIES		-579,000	4,769,000	4,190,000
731	OFF-SITE DISPOSAL			2,424,000	2,424,000
	TOTAL CONSTRUCTION COSTS		-579,000	7,193,000	6,614,000
	INDIRECT EXPENSES				731,000
	ESCALATION				
	SALES/USE TAX				
	CONTINGENCY				1,102,000
	TOTAL PROJECT COST AFUDC				8,447,000
	GRAND TOTAL COST				8,447,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%  
SALES/USE TAX RATES: Equipment 0.000% Material 0.000%  
CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

**W O R K   P A C K A G E   S U M M A R Y**  
**FLORIDA POWER CORPORATION**  
**SYSTEMS FUEL TERMINAL**  
**CONCEPTUAL COST ESTIMATE**  
**2004 FOSSIL PLANT DISMANTLEMENT STUDY**

Page: 2  
 Estimate No: 16429D  
 Project No: 11732000  
 Prepared by: GA /JMK/  
 Estimate Date: 010EC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
ASB	ASBESTOS, TRANSITE			700,000	700,000
DSL	OFF-SITE DISPOSAL			2,424,000	2,424,000
IND	INDIRECT COSTS			731,000	731,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			1,727,000	1,727,000
SCR	SCRAP VALUE		-620,000		-620,000
SIT	SITE WORK		41,000	2,134,000	2,175,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			208,000	208,000
<b>TOTAL CONSTRUCTION COSTS</b>			<b>-579,000</b>	<b>7,924,000</b>	<b>7,345,000</b>

INDIRECT EXPENSES	(included above)
ESCALATION	
SALES/USE TAX	
CONTINGENCY	1,102,000
<b>TOTAL PROJECT COST</b>	<b>8,447,000</b>
AFUDC	
<b>GRAND TOTAL COST</b>	<b>8,447,000</b>

FINANCIAL ASSUMPTIONS:  
 ESCALATION RATES: Equipment 0.000%  
                           Material 0.000%  
                           Labor 0.000%  
                           Indirects 0.000%  
 SALES/USE TAX RATES: Equipment 0.000%   Material 0.000%  
 CONTINGENCY RATES: Equipment 0.0%   Material 15.0%   Labor 15.0%   Indirects 15.0%

Sargent & Lundy  
Chicago

FERC ACCOUNTS SUMMARY  
FLORIDA POWER CORPORATION  
SYSTEMS FUEL TERMINAL  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
Estimate No: 164290  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
311.1	UNIT 1 - STRUCTURES AND IMPROVEMENTS				
311.C	COMMON SITE FACILITIES		41,000	4,763,000	4,804,000
312.1	UNIT 1 - BOILER PLANT			700,000	700,000
312.C	MATERIAL HANDLING - COMMON FACILITIES		-581,000	1,694,000	1,113,000
314.1	UNIT 1 - TURBINE PLANT		-1,000	2,000	1,000
315.C	COMMON - ACCESSORY ELECTRICAL EQUIPMENT		-38,000	18,000	-20,000
316.1	UNIT 1 - MISC. POWER PLANT EQUIPMENT			16,000	16,000
IND	INDIRECT EXPENSES			731,000	731,000
	TOTAL CONSTRUCTION COSTS		-579,000	7,924,000	7,345,000





F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
531		BARTOW-ANCLOTE OIL PIPELINE - COMMON FACILITIES										
5311		COMMON FACILITIES										
5311.A		SITE EXCAVATION										
5311.A1	---	EXCAVATE 5' DEEP TO REMOVE PIPELINE	166000	CY				0.060	9960	79.80	795,000	795,000
	SIT				EXC					WSIT		
5311.A3	---	OILY SAND AND SOIL UNDER TANK FARMS & OIL PIPES - 2' DEEP	40400	CY								
	SIT				EXC					INCL. ACCT. 7311.C82		
5311.A4	---	BERMS AND DIKES EXCAVATION	15000	CY				0.060	900	79.80	72,000	72,000
	SIT									WSIT		
5311.A5	---	BORROW EXCAVATION										
	SIT									NOT REQUITED WSIT		
5311.A6	---	FILL	166000	CY				0.060	9960	79.80	795,000	795,000
	SIT				FILL					WSIT		
5311.B		OUTLYING STRUCTURES DEMOLITION										
5311.B4		MISCELLANEOUS OUTLYING BUILDINGS										
5311.B41	---	DOCK SERVICE BUILDING - STEEL FRAME /CONCRETE BLOCK BUILDING	11000	CF				0.006	66	47.11	3,000	3,000
	SLD				BLDG							
5311.B42	---	CONTROL BUILDING - STEEL FRAME /CONCRETE BLOCK BUILDING	4000	CF				0.006	24	47.11	1,000	1,000
	SLD				BLDG							
5311.B43	---	PUMPHSE - STEEL FRAME /CONCRETE BLOCK BUILDING	91300	CF				0.006	548	62.58	34,000	34,000
	SLD				BLDG					WMSR		
5311.B44	---	BOILER HOUSE - STEEL FRAME /CONCRETE BLOCK BUILDING	27500	CF				0.006	165	62.58	10,000	10,000
	SLD				BLDG					WMSR		
5311.B5	---	MISCELLANEOUS EQUIPMENT PADS AND SITE BUILDINGS FOUNDATIONS	900	CY				1.125	1013	60.06	61,000	61,000
	SLD				CONC					WCON		
5311.B6	---	TANK FOUNDATIONS & CONCRETE BERMS	600	CY				0.563	338	60.06	20,000	20,000
	SLD				CONC					WCON		
5311.B7		COOLING TOWER COMMON STRUCTURES - DISCHARGE FLUME, MIXING STRUCTURE,										
										INCL. ACCT. 5311.B5		

F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR		WAGE RATE	LABOR COST
5311.C		SITE WORK AND SITE STRUCTURES DEMOLITION										
5311.C1	--- MTL	R/R TRACKS						NONE	ON-SITE			
5311.C2		ROADS & PAVEMENTS										
5311.C21	--- SLD	PAVED SURFACES	5630	SY		PVMT		0.120	676	79.80 WSIT	54,000	54,000
5311.C22	--- SLD	CONCRETE WALKWAYS	60	CY		CONC		0.525	32	60.06 WCON	2,000	2,000
5311.C23	--- SLD	CONCRETE CURBS	6000	LF				0.012	72	79.80 WSIT	6,000	6,000
5311.C3	--- MTL	FENCES AND GATES								REMAIN IN PLACE		
5311.C4		YARD DRAINAGE								ABANDON IN PLACE		
5311.C5		FIRE LINES & HYDRANTS										
5311.C51		UNDERGROUND MISC. PIPING								ABANDON IN PLACE		
5311.C6	--- SLD	OUTDOOR LIGHTING	1	LS				225.000	225	60.06 WCON	14,000	14,000
5311.C61	--- SLD	PRESTRESSED CONCRETE AND FLOODLIGHT POLES	25	EA						INCL. ACCT. 5311.C6		
5311.C62		CABLE AND CONDUIT								ABANDON IN PLACE		
5311.C7		DOCKS								REMAIN IN PLACE		
5311.C8	--- DSL	MISCEL. SITE WORK AND MATERIAL HANDLING										
5311.C81	--- DSL	MISC. ON-SITE "VOIDS" - PERFORATE CONCRETE FOR DRAINAGE, FILL W/DEBRIS								INCL. IN WRKG		
5311.C812	--- DSL	PIPE TRENCH	166000	CY		VOID				INCL. IN WRKG		
5311.C9		SITE FILL AND LANDSCAPING										
5311.C91	--- SIT	COVER DISTURBED AREAS OF SITE AND PIPES WITH 2 FT. OF SOIL	105500	CY		FILL		0.050	5275	79.80 WSIT	421,000	421,000
5311.C92	SIT SIT	SEED & MULCH SITE	33	AC	1250.00 SEED		41,000	19.275	636	79.80 WSIT	51,000	92,000

F E R C A C C O U N T S D E T A I L S

311.C: COMMON SITE FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST				
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE	LABOR COST		
731		OFF-SITE DISPOSAL												
7311.C82		OFF-SITE DISPOSAL												
7311.C821	--- DSL	ASH MONOFILL - EXCAVATE, TRANSPORT & DISPOSE						N/A	DASH					
7311.C822	--- DSL	SPECIAL WASTE - NON-HAZ. CONTAMINATED SOIL - EXCAVATE, TRANSPORT &	40400	CY			DISP	0.433	17493	124.63	2,180,000	2,180,000		
7311.C823	--- DSL	EXCESS OF SOLID DEBRIS - INSULATED C.S. FUEL OIL PIPE - TRANSPORT &	20000	CY			DISP	0.090	1800	128.94	232,000	232,000		
7311.C824	--- DSL	RUBBISH AND TENANT DEBRIS - TRANSPORT & DISPOSAL	1000	CY			DISP	0.090	90	128.94	12,000	12,000		
TOTAL 311.C											41,000	49,273	4,763,000	4,804,000

F E R C   A C C O U N T S   D E T A I L S

312.1:    UNIT 1 - BOILER PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR RATE
531		BARTOW-ANCLOTE OIL PIPELINE - COMMON FACILITIES								
5312.F		FUEL OIL EQUIPMENT								
5312.F5		DEMOLITION AND REMOVAL OF HAZARDOUS MATERIAL								
5312.F52	--- ASB	ALLOWANCE FOR DECONTAMINATION OF SOIL AND GROUND WATER UNDER	1	LS					700,000	700,000
		TOTAL 312.1							700,000	700,000

F E R C A C C O U N T S D E T A I L S

312.c: MATERIAL HANDLING - COMMON FACILITIES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	*** WAGE RATE	LABOR COST	TOTAL COST
531		BARTOW-ANCLOTE OIL PIPELINE - COMMON FACILITIES									
5312.F		FUEL OIL EQUIPMENT									
5312.F1	SCR MTL	FUEL OIL STORAGE TANKS - 2 EA @ 250,000BRL	2200 TN	-75.00 MTL		-165,000	2.672	5878	57.14 WEQP	336,000	171,000
5312.F2	SCR MTL	PACKAGE BOILER, DEAERATOR, MISCELLANEOUS FUEL OIL EQUIPMENT	400 TN	-75.00 MTL		-30,000	2.672	1069	57.14 WEQP	61,000	31,000
5312.F3	SCR MTL	14" DIA FUEL OIL PIPELINE - 34 MI.	5000 TN	-75.00 MTL		-375,000	4.463	22315	57.14 WEQP	1,275,000	900,000
5312.F4		FUEL OIL EQUIPMENT FOUNDATIONS								INCL.ACCT.4311.B5,B6	
5312.J	SCR MTL	MISCEL. STORAGE TANKS AND PUMPS	145 TN	-75.00 MTL		-11,000	2.672	387	57.14 WEQP	22,000	11,000
TOTAL 312.C						-581,000		29,649		1,694,000	1,113,000

F E R C A C C O U N T S D E T A I L S

314.1: UNIT 1 - TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** M A T E R I A L ***		*** L A B O R ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR RATE	LABOR COST	
531		BARTOW-ANCLOTE OIL PIPELINE - COMMON FACILITIES										
5316		MISCELLANEOUS EQUIPMENT										
5316.A	SCR MTL	8 TON GANTRY CRANE	16	TN	-75.00 MTL		-1,000	2.672	43	57.14 WEQP	2,000	1,000
		TOTAL 314.1					-1,000		43		2,000	1,000

F E R C A C C O U N T S D E T A I L S

315.C: COMMON - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	WAGE RATE	LABOR COST	TOTAL COST
531		BARTOW-ANCLOTE OIL PIPELINE - COMMON FACILITIES									
5315		ACCESSORY ELECTRICAL EQUIPMENT									
5315.A	SCR MTL	STEP-UP TRANSFORMERS AND MISC. ELECTRICAL EQUIPMENT	100 TN	-75.00 MTL		-8,000	2.672	267	57.14 WEQP	15,000	7,000
5315.B		CABLE TRAYS & DUCTRUNS									
5315.C	--- SLD	TRANSFORMER YARD FOUNDATIONS, FIRE WALLS, PIERS, CURBS	50 CY		CONC		1.080	54	60.06 WCON	3,000	3,000
5317		SCRAP VALUE									
5317.B	SCR SCR	SCRAP VALUE OF COPPER	30000 LB	-1.00 SCRC		-30,000					-30,000
TOTAL 315.C						-38,000		321		18,000	-20,000

F E R C A C C O U N T S D E T A I L S

316.1: UNIT 1 - MISC. POWER PLANT EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE
531		BARTOW-ANCLOTE OIL PIPELINE - COMMON FACILITIES									
5316		MISCELLANEOUS EQUIPMENT									
5316.B	--- MTL	BALANCE PIPING AND HANGERS	1	LT			281.250	281	57.14 WEQP	16,000	16,000
		TOTAL 316.1						281		16,000	16,000



F E R C A C C O U N T S D E T A I L S

IND: INDIRECT EXPENSES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	
900	---	INDIRECT EXPENSES							
	IND								
900.1	---	FPC INDIRECT EXPENSES	1	LS					
	IND								
900.11	---	FPC ENGINEERING ALLOCATION	1	LS				105,000	105,000
	IND								
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1	LS				33,000	33,000
	IND								
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1	LS				165,000	165,000
	IND								
900.14	---	WRAP-UP AND RISK INSURANCE	1	LS				5,000	5,000
	IND								
900.15	---	FPC SUPERVISION	1	LS				132,000	132,000
	IND								
900.16	---	SECURITY SERVICES	1	LS				171,000	171,000
	IND								
900.17	---	A/E ENGINEERING, DIRECT (ENG'G SUPPORT AND RECORDS CLOSE-OUT)	1	LS				99,000	99,000
	IND								
900.18	---	PERMITS	1	LS				21,000	21,000
	IND								
		TOTAL IND						731,000	731,000

# **APPENDIX S**

## **Hines Energy Center Cost Estimate**

2004 FOSSIL PLANT DISMANTLEMENT STUDY

CONCEPTUAL COST ESTIMATE

PREPARED FOR

FLORIDA POWER CORPORATION  
HINES ENERGY CENTER (POLK COUNTY)  
COMBINED CYCLE PLANT 3 UNITS OF 2 X 2 X 1

SARGENT & LUNDY

ESTIMATE NO. 18154E  
PROJECT NO. 11732000  
December 02, 2004

REVIEWED BY: JMK

APPROVED BY: JMK

TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	4

Sargent & Lundy  
Chicago

# C O S T   S U M M A R Y   R E P O R T

FLORIDA POWER CORPORATION  
HINES ENERGY CENTER (POLK COUNTY)  
FERC ACCOUNTS COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
Estimate No: 18154E  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 02DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
610	COMBINED CYCLE PLANT (POWER BLOCK 1)		-771,000	1,802,000	1,031,000
611	COMBINED CYCLE PLANT (POWER BLOCK 2)		-765,000	1,764,000	999,000
612	COMBINED CYCLE PLANT (POWER BLOCK 3)		-765,000	1,764,000	999,000
631	COMBINED CYCLE PLANT COMMON FACILITIES		291,000	627,000	918,000
731	OFF-SITE DISPOSAL			220,000	220,000
TOTAL CONSTRUCTION COSTS			-2,010,000	6,177,000	4,167,000
INDIRECT EXPENSES					2,091,000
ESCALATION					
SALES/USE TAX					
CONTINGENCY					939,000
TOTAL PROJECT COST					7,197,000
AFUDC					
GRAND TOTAL COST					7,197,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
                  Material 0.000%  
                  Labor 0.000%  
                  Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

WORK PACKAGE SUMMARY

FLORIDA POWER CORPORATION  
HINES ENERGY CENTER (POLK COUNTY)  
FERC ACCOUNTS COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 2  
Estimate No: 18154E  
Project No: 11732000  
Prepared by: GA /JMK/

Estimate Date: 02DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
DSL	OFF-SITE DISPOSAL			220,000	220,000
IND	INDIRECT COSTS			2,091,000	2,091,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			4,449,000	4,449,000
SCR	SCRAP VALUE		-2,417,000	13,000	-2,404,000
SIT	SITE WORK		407,000	132,000	539,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			1,363,000	1,363,000
<b>TOTAL CONSTRUCTION COSTS</b>			<b>-2,010,000</b>	<b>8,268,000</b>	<b>6,258,000</b>
INDIRECT EXPENSES					(included above)
ESCALATION					
SALES/USE TAX					
CONTINGENCY					939,000
<b>TOTAL PROJECT COST</b>					<b>7,197,000</b>
AFUDC					
<b>GRAND TOTAL COST</b>					<b>7,197,000</b>

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

# FERC ACCOUNTS SUMMARY

FLORIDA POWER CORPORATION  
HINES ENERGY CENTER (POLK COUNTY)  
FERC ACCOUNTS COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
Estimate No: 18154E  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 02DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
341.C	COGEN. PLANT COMMON SITE FACILITIES - STRUCTURES AND IMPROVEMENTS		407,000	637,000	1,044,000
341.F	COGEN. PLANT - STRUCTURES AND IMPROVEMENTS		-18,000	1,091,000	1,073,000
342.C	COGEN. PLANT COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT		-116,000	210,000	94,000
342.P	COGEN. PLANT - BOILER PLANT (HRSG) EQUIPMENT		-1,170,000	2,439,000	1,269,000
344.P	COGEN. PLANT - GAS TURBINE PLANT		-504,000	1,371,000	867,000
345.P	COGEN. PLANT - ACCESSORY ELECTRICAL EQUIPMENT		-609,000	429,000	-180,000
IND	INDIRECT EXPENSES			2,091,000	2,091,000
	TOTAL CONSTRUCTION COSTS		-2,010,000	8,268,000	6,258,000

Sargent & Lundy  
Chicago

F E R C A C C O U N T S D E T A I L S

FLORIDA POWER CORPORATION  
HINES ENERGY CENTER (POLK COUNTY)  
FERC ACCOUNTS COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 4  
Estimate No: 18154E  
Project No: 11732000  
Prepared by: GA /JMK/

Price level: 2004

Estimate Date: 02DEC04

341.C:	COGEN. PLANT COMMON SITE FACILITIES - STRUCTURES AND IMPROVEMENTS
--------	--

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	* * * M A T E R I A L * * *			* * * L A B O R * * *			TOTAL COST
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE	
631		COMBINED CYCLE PLANT COMMON FACILITIES									
6311		STRUCTURES & IMPROVEMENTS - DEMOLITION AND MODIFICATION									
6311.2		SITE WORK AND SITE STRUCTURE DEMOLITION									
6311.21		SITE EXCAVATION									
6311.213	SIT SIT	PURCHASED BORROW FILL EXCAVATION	24000	CY	13.50		324,000				324,000
6311.214	--- SIT	FILL	24000	CY							
6311.22		ROADS & PAVEMENTS									
6311.221	--- SLD	PAVED SURFACES	18800	SY		PVMT		0.120	2256	79.80 WSIT	180,000
6311.23	--- SIT	FENCES AND GATES									
6311.3		OUTLYING STRUCTURES DEMOLITION									
6311.31	--- SLD	MISC. SITE BUILDINGS									
6311.311	--- SLD	CONTROL/SERVICE BUILDING (INCLD IN POWER BLOCK 1)		CY							
6311.312	--- SLD	FIRE PUMP & FOAM BLDG.									
6311.313		ELECTRICAL EQUIPMENT BUILDING									
6311.314	--- SLD	WAREHOUSE BLDG.	126000	CF		BLDG		0.006	756	62.58 WMSR	47,000
6311.32	--- SLD	MISC. EQUIPMENT AND TANK FOUNDATIONS & BERMS	380	CY		CONC		1.125	428	60.06 WCON	26,000
6311.34	--- SLD	TRANSFORMER FOUNDATIONS	470	CY		CONC		1.125	529	60.06 WCON	32,000



F E R C A C C O U N T S D E T A I L S

341.C: COGEN. PLANT COMMON SITE FACILITIES  
- STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	* * * M A T E R I A L * * *			* * * L A B O R * * *			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
6311.35	SIT SIT	INTAKE STRUCTURE (TO BE FILLED)	5200	CY	13.50		70,000	0.050	260	79.80 WSIT	21,000	91,000
6311.5		SITE FILL AND LANDSCAPING										
6311.51	SIT SIT	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	24000	CY		FILL		0.050	1200	79.80 WSIT	96,000	96,000
6311.52	SIT SIT	SEED & MULCH SITE	10	AC	1250.00	SEED	13,000	19.275	193	79.80 WSIT	15,000	28,000
7311.4		OFF-SITE DISPOSAL										
7311.41	--- DSL	SPECIAL WASTE - NON-HAZ. CONTAMINATED SOIL - EXCAVATE, TRANSPORT &	2930	CY		DISP		0.433	1269	124.63 DSLIG	158,000	158,000
7311.42	--- DSL	EXCESS OF SOLID DEBRIS - TRANSPORT & DISPOSAL								N/A		
7311.43	--- DSL	RUBBISH AND TENANT DEBRIS - TRANSPORT & DISPOSAL	5300	CY		DISP		0.090	477	128.94 DDBR	62,000	62,000
TOTAL 341.C								407,000		7,368	637,000	1,044,000





F E R C A C C O U N T S D E T A I L S

341.P: COGEN. PLANT - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***		TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE
6121.121	SCR SCR	CONTROL/SERVICE BUILDING (INCLD IN POWER BLOCK 1)		TN							
								WSTL			
6121.122	SCR SCR	FIRE PUMP & FOAM BLDG	2	TN	-75.00			1.016	2	54.31	
										WSTL	
6121.123	SCR SCR	ELECTRICAL EQUIPMENT	18	TN	-75.00		-1,000	1.016	18	54.31	
										WSTL	
6121.124	SCR SCR	CIRC WATER CHEMICAL FEED BUILDING	5	TN	-75.00			1.016	5	54.31	
										WSTL	
6121.13		BUILDING SIDING DEMOLITION									
6121.131	SLD SLD	CONTROL SERVICE BLDG (INCLD IN POWER BLOCK 1)		SF						WROF	
6121.132	SLD SLD	FIRE PUMP & FOAM BLDG	2250	SF				0.011	25	67.19	
										WROF	
6121.133	SLD SLD	ELECTRICAL EQUIPMENT BUILDING	9000	SF				0.011	99	67.19	
										WROF	
6121.134	SLD SLD	CIRC WATER CHEMICAL FEED BUILDING	2300	SF				0.011	25	67.19	
										WROF	
6121.14		STEAM TURBINE PEDESTAL									
6121.141	SLD SLD	FOUNDATION DEMOLITION	1500	CY				0.844	1266	60.06	
										WCON	
6121.142	SCR SCR	STRUCTURAL DEMOLITION	40	TN	-75.00		-3,000	1.016	41	54.31	
										WSTL	
TOTAL 341.P							-18,000		18,102	1,091,000	1,073,000

FERC ACCOUNTS DETAILS

342.C: COGEN. PLANT COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT
---

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST			
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS		WAGE RATE	LABOR COST	
631		COMBINED CYCLE PLANT COMMON FACILITIES											
6312		EQUIPMENT											
6312.3		TANKS (SIZED FOR 3 UNITS)											
6312.31	SCR MTL	FUEL OIL TANK	67	TN	-75.00		-5,000	2.672	179	57.14	10,000	5,000	
					MTL					WEQP			
6312.32	SCR MTL	DEMINERALIZED WATER TANK	38	TN	-75.00		-3,000	2.672	102	57.14	6,000	3,000	
					MTL					WEQP			
6312.33	SCR MTL	FILTERED /FIRE WATER TANK	13	TN	-75.00		-1,000	2.672	35	57.14	2,000	1,000	
					MTL					WEQP			
6312.36	SCR MTL	MISC. EQUIP. AND PUMPS	667	TN	-75.00		-50,000	2.672	1782	57.14	102,000	52,000	
					MTL					WEQP			
6312.4	SCR MTL	WATER TREATMENT SYSTEM	67	TN	-75.00		-5,000	2.672	179	57.14	10,000	5,000	
					MTL					WEQP			
6312.6	SCR MTL	MISC. PIPING	587	TN	-75.00		-44,000	2.025	1189	57.14	68,000	24,000	
					MTL					WEQP			
6312.7	SCR MTL	PIPING BRIDGE	100	TN	-75.00		-8,000	2.025	203	57.14	12,000	4,000	
					MTL					WEQP			
TOTAL 342.C								-116,000		3,669		210,000	94,000

F E R C A C C O U N T S D E T A I L S

342.P: COGEN. PLANT - BOILER PLANT (HRSG)  
EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST		
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE MNHRS		WAGE RATE	LABOR COST
610		COMBINED CYCLE PLANT (POWER BLOCK 1)								
6102.2	SCR MTL	PACKAGE HRSG, AND AUX. EQUIPMENT INCLD. STACK	5200 TN	-75.00 MTL		-390,000	2.672 13894	58.50 WBLR	813,000	423,000
611		COMBINED CYCLE PLANT (POWER BLOCK 2)								
6112.2	SCR MTL	PACKAGE HRSG, AND AUX. EQUIPMENT INCLD. STACK	5200 TN	-75.00 MTL		-390,000	2.672 13894	58.50 WBLR	813,000	423,000
612		COMBINED CYCLE PLANT (POWER BLOCK 3)								
6122.2	SCR MTL	PACKAGE HRSG, AND AUX. EQUIPMENT INCLD. STACK	5200 TN	-75.00 MTL		-390,000	2.672 13894	58.50 WBLR	813,000	423,000
TOTAL 342.P						-1,170,000	41,682		2,439,000	1,269,000

F E R C A C C O U N T S D E T A I L S

344.P: COGEN. PLANT - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNRS	WAGE RATE		LABOR COST
610		COMBINED CYCLE PLANT (POWER BLOCK 1)										
6102.1		COMBUSTION TURBINES										
6102.11	SCR MTL	COMBUSTION TURBINE	1640	TN	-75.00 MTL		-123,000	3.570	5855	57.14 WEQP	335,000	212,000
6102.3	SCR MTL	STEAM TURBINE	600	TN	-75.00 MTL		-45,000	3.570	2142	57.14 WEQP	122,000	77,000
611		COMBINED CYCLE PLANT (POWER BLOCK 2)										
6112.1		COMBUSTION TURBINES										
6112.11	SCR MTL	COMBUSTION TURBINE	1640	TN	-75.00 MTL		-123,000	3.570	5855	57.14 WEQP	335,000	212,000
6112.3	SCR MTL	STEAM TURBINE	600	TN	-75.00 MTL		-45,000	3.570	2142	57.14 WEQP	122,000	77,000
612		COMBINED CYCLE PLANT (POWER BLOCK 3)										
6122.1		COMBUSTION TURBINES										
6122.11	SCR MTL	COMBUSTION TURBINE	1640	TN	-75.00 MTL		123,000	3.570	5855	57.14 WEQP	335,000	212,000
6122.3	SCR MTL	STEAM TURBINE	600	TN	-75.00 MTL		-45,000	3.570	2142	57.14 WEQP	122,000	77,000
TOTAL 344.P							-504,000		23,991		1,371,000	867,000

F E R C A C C O U N T S D E T A I L S

345.P: COGEN. PLANT - ACCESSORY ELECTRICAL EQUIPMENT
---

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNHR	WAGE RATE	LABOR COST
610		COMBINED CYCLE PLANT (POWER BLOCK 1)										
6102.1		COMBUSTION TURBINES										
6102.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	700	TN	-75.00 MTL		-53,000	3.570	2499	57.14 WEQP	143,000	90,000
6107		SCRAP VALUE										
6107.B	SCR SCR	SCRAP VALUE OF COPPER	150000	LB	-1.00 SCRC		-150,000					-150,000
611		COMBINED CYCLE PLANT (POWER BLOCK 2)										
6112.1		COMBUSTION TURBINES										
6112.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	700	TN	-75.00 MTL		-53,000	3.570	2499	57.14 WEQP	143,000	90,000
6117		SCRAP VALUE										
6117.B	SCR SCR	SCRAP VALUE OF COPPER	150000	LB	-1.00 SCRC		-150,000					-150,000
612		COMBINED CYCLE PLANT (POWER BLOCK 3)										
6122.1		COMBUSTION TURBINES										
6122.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	700	TN	-75.00 MTL		-53,000	3.570	2499	57.14 WEQP	143,000	90,000
6127		SCRAP VALUE										
6127.B	SCR SCR	SCRAP VALUE OF COPPER	150000	LB	-1.00 SCRC		-150,000					-150,000
TOTAL 345.P							-609,000		7,497		429,000	-180,000



F E R C   A C C O U N T S   D E T A I L S

IND:           INDIRECT EXPENSES
----------------------------------

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***			TOTAL COST
					RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MHRS	
900	---	INDIRECT EXPENSES								
	IND									
900.1	---	FPC INDIRECT EXPENSES	1	LS						
	IND									
900.11	---	FPC ENGINEERING ALLOCATION	1	LS					312,000	312,000
	IND									
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1	LS					29,000	29,000
	IND									
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1	LS					490,000	490,000
	IND									
900.14	---	WRAP-UP AND RISK INSURANCE	1	LS					4,000	4,000
	IND									
900.15	---	FPC SUPERVISION	1	LS					392,000	392,000
	IND									
900.16	---	SECURITY SERVICES	1	LS					508,000	508,000
	IND									
900.17	---	A/E ENGINEERING, DIRECT (ENGR'G SUPPORT AND RECORDS CLOSE-OUT)	1	LS					294,000	294,000
	IND									
900.18	---	PERMITS	1	LS					62,000	62,000
	IND									
		TOTAL IND							2,091,000	2,091,000

# **APPENDIX T**

## **Tiger Bay Cost Estimate**

2004 FOSSIL PLANT DISMANTLEMENT STUDY

CONCEPTUAL COST ESTIMATE

PREPARED FOR  
FLORIDA POWER CORPORATION  
TIGER BAY  
COGENERATION PLANT

SARGENT & LUNDY

ESTIMATE NO. 18137D  
PROJECT NO. 11732000  
December 01, 2004

REVIEWED BY: *JMR*

APPROVED BY: *JMR*

TABLE OF CONTENTS

Report	Page
Summary.....	1
Work Package Summary.....	2
FERC ACCOUNTS Summary.....	3
FERC ACCOUNTS Details.....	4

Sargent & Lundy  
Chicago

# C O S T S U M M A R Y R E P O R T

FLORIDA POWER CORPORATION  
TIGER BAY  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 1  
Estimate No: 18137D  
Project No: 11732000  
Prepared by: GA /JMK/

Price level: 2004

Estimate Date: 01DEC04

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
610	COGENERATING PLANT		-398,000	894,000	496,000
631	COGENERATING PLANT COMMON FACILITIES		8,000	245,000	253,000
731	OFF-SITE DISPOSAL			23,000	23,000
TOTAL CONSTRUCTION COSTS			-390,000	1,162,000	772,000
	INDIRECT EXPENSES				698,000
	ESCALATION				
	SALES/USE TAX				
	CONTINGENCY				221,000
	TOTAL PROJECT COST AFUDC				1,691,000
	GRAND TOTAL COST				1,691,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

W O R K P A C K A G E S U M M A R Y

FLORIDA POWER CORPORATION  
TIGER BAY  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 2  
Estimate No: 18137D  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price Level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
DSL	OFF-SITE DISPOSAL			23,000	23,000
IND	INDIRECT COSTS			698,000	698,000
MTL	METALS - EQUIPMENT, STRUCTURAL STEEL, PIPING			869,000	869,000
SCR	SCRAP VALUE		-474,000	4,000	-470,000
SIT	SITE WORK		84,000	31,000	115,000
SLD	SOLIDS - CONCRETE, MASONRY, ETC.			235,000	235,000
TOTAL CONSTRUCTION COSTS			390,000	1,860,000	1,470,000
INDIRECT EXPENSES (included above)					
ESCALATION					
SALES/USE TAX					
CONTINGENCY					221,000
TOTAL PROJECT COST					1,691,000
AFUDC					
GRAND TOTAL COST					1,691,000

FINANCIAL ASSUMPTIONS:

ESCALATION RATES: Equipment 0.000%  
Material 0.000%  
Labor 0.000%  
Indirects 0.000%

SALES/USE TAX RATES: Equipment 0.000% Material 0.000%

CONTINGENCY RATES: Equipment 0.0% Material 15.0% Labor 15.0% Indirects 15.0%

Sargent & Lundy  
Chicago

F E R C A C C O U N T S S U M M A R Y

FLORIDA POWER CORPORATION  
TIGER BAY  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 3  
Estimate No: 181370  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price level: 2004

ACCT.NO.	DESCRIPTION	TOTAL EQUIPMENT COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL COST
341.C	COGEN. PLANT COMMON SITE FACILITIES - STRUCTURES AND IMPROVEMENTS		84,000	125,000	209,000
341.P	COGEN. PLANT - STRUCTURES AND IMPROVEMENTS		-5,000	168,000	163,000
342.C	COGEN. PLANT COMMON FACILITIES - FUEL OIL & BOP EQUIPMENT		-76,000	143,000	67,000
342.P	COGEN. PLANT - BOILER PLANT (HRSG) EQUIPMENT		-195,000	406,000	211,000
344.P	COGEN. PLANT - GAS TURBINE PLANT		-92,000	249,000	157,000
345.P	COGEN. PLANT - ACCESSORY ELECTRICAL EQUIPMENT		-106,000	71,000	-35,000
IND	INDIRECT EXPENSES			698,000	698,000
	TOTAL CONSTRUCTION COSTS		-390,000	1,860,000	1,470,000

Sargent & Lundy  
Chicago

F E R C   A C C O U N T S   D E T A I L S  
FLORIDA POWER CORPORATION  
TIGER BAY  
CONCEPTUAL COST ESTIMATE  
2004 FOSSIL PLANT DISMANTLEMENT STUDY

Page: 4  
Estimate No: 18137D  
Project No: 11732000  
Prepared by: GA /JMK/  
Estimate Date: 01DEC04

Price level: 2004

341.C:    COGEN. PLANT COMMON SITE FACILITIES  
             - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL ***			*** LABOR ***			TOTAL COST
				MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE	
631		COGENERATING PLANT COMMON FACILITIES								
6311		STRUCTURES & IMPROVEMENTS - DEMOLITION AND MODIFICATION								
6311.2		SITE WORK AND SITE STRUCTURE DEMOLITION								
6311.21		SITE EXCAVATION						INCL. IN WRKG		
6311.213	SIT SIT	PURCHASED BORROW FILL EXCAVATION	5600 CY	13.50		76,000		79.80 WSIT		76,000
6311.214	--- SIT	FILL	5600 CY					INCL.ACCT.6311.51		
6311.22		ROADS & PAVEMENTS								
6311.221	--- SLD	PAVED SURFACES	4238 SY		PVMT		0.120	509 79.80 WSIT	41,000	41,000
6311.23	--- SIT	FENCES AND GATES						REMAIN		
6311.3		OUTLYING STRUCTURES DEMOLITION								
6311.31	--- SLD	MISC. SITE BUILDINGS								
6311.311	--- SLD	ADMIN/MAINT. BUILDING						INCL. ACCT. 6101.1		
6311.312	--- SLD	WAREHOUSE BUILDING						INCL. ACCT. 6101.1		
6311.313		ELECTRICAL CONTROL BLDG.						INCLD ACCT. 6101.1		
6311.32	--- SLD	MISC. EQUIPMENT AND TANK FOUNDATIONS & BERMS	164 CY		CONC		1.125	185 60.06 WCON	11,000	11,000
6311.33	--- SLD	CONCRETE CONTAINMENT STRUCTURE	100 CY		CONC		1.125	113 60.06 WCON	7,000	7,000
6311.34	--- SLD	TRANSFORMER FOUNDATIONS	175 CY		CONC		1.125	197 60.06 WCON	12,000	12,000



F E R C A C C O U N T S D E T A I L S

341.C: COGEN. PLANT COMMON SITE FACILITIES  
- STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	M A T E R I A L			L A B O R			TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE		LABOR COST
6311.5		SITE FILL AND LANDSCAPING										
6311.51	SIT SIT	COVER DISTURBED AREAS OF SITE AND PONDS WITH 2 FT. OF SOIL	5600	CY		FILL		0.050	280	79.80 WSIT	22,000	22,000
6311.52	SIT SIT	SEED & MULCH SITE	6	AC	1250.00 SEED		8,000	19.275	116	79.80 WSIT	9,000	17,000
7311.4		OFF-SITE DISPOSAL										
7311.42	--- DSL	EXCESS OF SOLID DEBRIS - TRANSPORT & DISPOSAL								N/A		
7311.43	--- DSL	RUBBISH AND TENANT DEBRIS - TRANSPORT & DISPOSAL	2000	CY		DISP		0.090	180	128.94 DDBR	23,000	23,000
		TOTAL 341.C					84,000		1,580		125,000	209,000

F E R C A C C O U N T S D E T A I L S

341.P: COGEN. PLANT - STRUCTURES AND IMPROVEMENTS

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	MNHR	WAGE RATE	LABOR COST	TOTAL COST	
610		COGENERATING PLANT										
6101.1		MAIN POWER BLOCK DEMOLITION										
6101.11	SLD	FOUNDATION (2 FT. BELOW GRADE - REINFORCEMENT 250#/CY)	3100 CY		CONC		0.844	2616	60.06 WCON	157,000	157,000	
6101.12		BUILDINGS (STRUCTURAL DEMOLITION)										
6101.121	SCR SCR	ADMIN/MAINT. BUILDING	29 TN	-75.00 MTL		-2,000	1.016	29	54.31 WSTL	2,000		
6101.122	SCR SCR	WARE HOUSE BUILDING	16 TN	-75.00 MTL		-1,000	1.016	16	54.31 WSTL	1,000		
6101.123	SCR SCR	ELECTRICAL CONTROL BUILDING	25 TN	-75.00 MTL		-2,000	1.016	25	54.31 WSTL	1,000	-1,000	
6101.124	SCR SCR	ZLD BUILDING	2 TN	-75.00 MTL			1.016	2	54.31 WSTL			
6101.13		BUILDING SIDING DEMOLITION										
6101.131	SLD SLD	ADMIN/MAINT. BUILDING	4725 SF				0.011	52	67.19 WROF	3,000	3,000	
6101.132	SLD SLD	WARE HOUSE BUILDING	3200 SF				0.011	35	67.19 WROF	2,000	2,000	
6101.133	SLD SLD	ELECTRICAL CONTROL BUILDING	3200 SF				0.011	35	67.19 WROF	2,000	2,000	
6101.134	SLD SLD	ZLD BUILDING	360 SF				0.011	4	67.19 WROF			
TOTAL 341.P												
						-5,000		2,814		168,000	163,000	

F E R C A C C O U N T S D E T A I L S

342.C: COGEN. PLANT COMMON FACILITIES -  
FUEL OIL & BOP EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	WAGE RATE	*** LABOR COST	TOTAL COST
631		COGENERATING PLANT COMMON FACILITIES									
6312		EQUIPMENT									
6312.3		TANKS									
6312.31	SCR MTL	POLISHED WATER TANK	50 TN	-75.00 MTL		-4,000	2.672	134	57.14 WEGP	8,000	4,000
6312.32	SCR MTL	RAW WATER TANK	38 TN	-75.00 MTL		-3,000	2.672	102	57.14 WEGP	6,000	3,000
6312.33	SCR MTL	RETURN COND. TANK	10 TN	-75.00 MTL		-1,000	2.672	27	57.14 WEGP	2,000	1,000
6312.34	SCR MTL	WASTE WATER TANK	18 TN	-75.00 MTL		-1,000	2.672	48	57.14 WEGP	3,000	2,000
6312.35	SCR MTL	COOLING WATER BLOWDOWN TANK	133 TN	-75.00 MTL		-10,000	2.672	355	57.14 WEGP	20,000	10,000
6312.36	SCR MTL	MISC. EQUIP. AND PUMPS	250 TN	-75.00 MTL		-19,000	2.672	668	57.14 WEGP	38,000	19,000
6312.4	SCR MTL	WATER TREATMENT SYSTEM	200 TN	-75.00 MTL		-15,000	2.672	534	57.14 WEGP	31,000	16,000
6312.5	SCR MTL	AIR FILTER HOUSE	60 TN	-75.00 MTL		-5,000	2.672	160	57.14 WEGP	9,000	4,000
6312.6	SCR MTL	MISC. PIPING	120 TN	-75.00 MTL		-9,000	2.025	243	57.14 WEGP	14,000	5,000
6312.7	SCR MTL	PIPING BRIDGE	90 TN	-75.00 MTL		-7,000	2.025	182	57.14 WEGP	10,000	3,000
6312.8	SCR MTL	PACKAGE BOILER	20 TN	-75.00 MTL		-2,000	2.025	41	58.50 WBLR	2,000	
TOTAL 342.C						-76,000		2,494		143,000	67,000

F E R C A C C O U N T S D E T A I L S

342.P:	COGEN. PLANT - BOILER PLANT (HRSG) EQUIPMENT
--------	---

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY UM	*** MATERIAL RATE	MATERIAL EQUIPMENT COST	*** MATERIAL COST	*** MNHR RATE	LABOR MNHRS	WAGE RATE	*** LABOR COST	TOTAL COST
610		COGENERATING PLANT									
6102.2	SCR MTL	PACKAGE HRSG, AND AUX. EQUIPMENT INCLD. STACK	2600 TN	-75.00 MTL		-195,000	2.672	6947	58.50 WBLR	406,000	211,000
		TOTAL 342.P				-195,000		6,947		406,000	211,000

F E R C A C C O U N T S D E T A I L S

344.P: COGEN. PLANT - GAS TURBINE PLANT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST			
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE		MNRS	WAGE RATE	LABOR COST
610		COGENERATING PLANT										
6102.1		COMBUSTION TURBINES										
6102.11	SCR MTL	COMBUSTION TURBINE GE7FA	820	TN	-75.00 MTL		-62,000	3.570	2927	57.14 WEGP	167,000	105,000
6102.3	SCR MTL	STEAM TURBINE	400	TN	-75.00 MTL		-30,000	3.570	1428	57.14 WEGP	82,000	52,000
		TOTAL 344.P					-92,000		4,355		249,000	157,000

F E R C A C C O U N T S D E T A I L S

345.P: COGEN. PLANT - ACCESSORY ELECTRICAL EQUIPMENT

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST	
					MATERIAL RATE	EQUIPMENT COST	MNHR RATE	MNHR WAGE RATE		
610		COGENERATING PLANT								
6102.1		COMBUSTION TURBINES								
6102.12	SCR MTL	INTERCONNECTING ELECTRICAL EQUIPMENT	350	TN	-75.00 MTL		-26,000	3.570 1250 57.14 WEQP	71,000	45,000
6107		SCRAP VALUE								
6107.8	SCR SCR	SCRAP VALUE OF COPPER	80000	LB	-1.00 SCRC		-80,000			-80,000
TOTAL 345.P							-106,000	1,250	71,000	-35,000

F E R C A C C O U N T S D E T A I L S

IND: INDIRECT EXPENSES

Note: Extended costs are rounded up to next thousand dollars

ACCOUNT NO.	WORK PACKAGE	DESCRIPTION	QTY	UM	*** MATERIAL ***		*** LABOR ***		TOTAL COST
					MATERIAL RATE	EQUIPMENT COST	MATERIAL COST	MNHR RATE	
900	---	INDIRECT EXPENSES							
	IND								
900.1	---	FPC INDIRECT EXPENSES	1	LS					
	IND								
900.11	---	FPC ENGINEERING ALLOCATION	1	LS				105,000	105,000
	IND								
900.12	---	ADMINISTRATIVE AND GENERAL OVERHEAD	1	LS				4,000	4,000
	IND								
900.13	---	TEMPORARY CONSTRUCTION SERVICES	1	LS				165,000	165,000
	IND								
900.14	---	WRAP-UP AND RISK INSURANCE	1	LS				1,000	1,000
	IND								
900.15	---	FPC SUPERVISION	1	LS				132,000	132,000
	IND								
900.16	---	SECURITY SERVICES	1	LS				171,000	171,000
	IND								
900.17	---	A/E ENGINEERING, DIRECT (ENG'G SUPPORT AND RECORDS CLOSE-OUT)	1	LS				99,000	99,000
	IND								
900.18	---	PERMITS	1	LS				21,000	21,000
	IND								
		TOTAL IND						698,000	698,000