LG&E - KU Mill Creek Unit 4 Wet FGD & PJFF Arrangment "B" Rev. B (Without SCR) B&V PROJECT #: 168908 PROJECT ESTIMATOR: Ron Fields PROJECT MANAGER: Tim Hillman PURPOSE OF ESTIMATE: Budgetary LOCATION: Jeff PC PLANT TYPE: PC CLIENT: LG& PARTMER: NA CURPOSE OF LOCATION: LG& PARTMER: NA CURPOSE OF LOCATION: LG& PARTMER: NA CURPOSE OF LOCATION: LG& CURPOSE OF LGC CURPOSE OF L

B&V PROJECT #:
PROJECT ESTIMATOR:
PROJECT MANAGER:
PURPOSE OF ESTIMATE:
ESTIMATE DATE:

Budgetary April-11

Jefferson County, KY PC Fired Boiler LG&E - KU N/A US Dollars

CURRENCY: BLACK AND VEATCH CONFIDENTIAL AND PROPRIETARY INFORMATION

		PROJECT - TOTAL COSTS							
Contract Number	Description	Engr Equip	Commodities					% OF TOTAL C.V.	\$ PER KW
rtumbor	55551.p.to11	Material \$	Material \$	Labor \$	Manhours	Other	TOTAL \$	101742 0.11	525
ESTIMATE	SUMMARY								
Purchase Co									
	Civil / Structural	\$1,902,592	\$50,000	\$0 \$0	0	\$1,737,190	\$3,689,782	1.15%	\$7.03
61.3801 62.0000	Ductwork and Breeching Mechanical - Balance of Plant (BOP)	\$2,192,400 \$96,500	\$286,635 \$0	\$0 \$0	0	\$750,000 \$0	\$3,229,035 \$96,500	1.01% 0.03%	\$6.15 \$0.18
63.0000	Electrical - BOP, Equipment, Raceway	\$350,000	\$3,104,351	\$0	0	\$0 \$0	\$3.454.351	1.08%	\$6.58
63.1202	Bus Duct	\$0	\$3,640,040	\$0	Ö	\$0	\$3,640,040	1.13%	\$6.93
63.3002	VFDs, Motors and Couplings	\$3,086,000	\$0	\$0	0	\$0	\$3,086,000	0.96%	\$5.88
63.3603	Switchgear & MCCs	\$3,084,000	\$0	\$0	0	\$0	\$3,084,000	0.96%	\$5.87
63.3802	SUS Transformers	\$479,504	\$0	\$0	0	\$0	\$479,504	0.15%	\$0.91
63.3803	Aux Transformer	\$1,432,000	\$0 \$161,400	\$0 \$0	0	\$0 \$0	\$1,432,000	0.45%	\$2.73
64.0000 64.0407	Control - DCS, Instrumentation On-line Performance Monitoring - Neural Network	\$1,332,100 \$570,000	\$161,400 \$0	\$0 \$0	0	\$0 \$0	\$1,493,500 \$570,000	0.47% 0.18%	\$2.84 \$1.09
65.3120	Fabric Filter	\$18,000,000	\$0 \$0	\$0	0	\$0 \$0	\$18,000,000	5.61%	\$34.29
65.3210	Scrubber FGD	\$50,300,000	\$0	\$0	0	\$0	\$50,300,000	15.68%	\$95.81
65.3230	Sorbent Injection System	\$2,000,000	\$0	\$0	Ö	\$0	\$2,000,000	0.62%	\$3.81
65.3500	H-PAC Mercury Control System	\$1,000,000	\$0	\$0	0	\$0	\$1,000,000	0.31%	\$1.90
65.3600	CEMs	\$850,000	\$0	\$0	0	\$0	\$850,000	0.26%	\$1.62
66.1000	Piping & Tubing	\$988,147	\$10,000	\$0 \$0	0	\$0 \$0	\$998,147	0.31%	\$1.90
66.2070 66.3000	Pipe Supports Valves and Accessories	\$0 \$2,104,000	\$540,000 \$0	\$0 \$0	0	\$0 \$0	\$540,000 \$2,104,000	0.17% 0.66%	\$1.03 \$4.01
67.0414	Fly Ash Transfer System	\$2,104,000 \$0	\$0 \$0	\$0 \$0	0	\$6,800,000	\$6,800,000	2.12%	\$12.95
67.9300	Air Compressors, Dryers, & Air Receivers	\$250,000	\$0	\$0	0	\$0	\$250,000	0.08%	\$0.48
67.9532	ID Booster Fans	\$2,100,000	\$0	\$0	0	\$0	\$2,100,000	0.65%	\$4.00
	Subtotal Purchase Contracts:	\$92,117,243	\$7,792,426	\$0	0	\$9,287,190	\$109,196,859	34.03%	\$207.99
	n Contracts:		40	40	•	0.400.000	*	0.1.10/	
71.0100	Demolition works	\$0	\$0	\$0	0	\$460,000	\$460,000	0.14%	\$0.88
71.0203 71.0402	Civil / Structural Construction - Site finishes Civil / Structural Construction - Super Structures	\$0 \$0	\$0 \$249,380	\$82,096 \$4,702,740	1,600 67,949	\$0 \$5,718,750	\$82,096 \$10,670,870	0.03% 3.33%	\$0.16 \$20.33
71.0402	Civil / Structural Construction - Sub-Structures	\$0 \$0	\$1,952,594	\$5,778,732	99,993	\$3,466,182	\$11,197,507	3.49%	\$21.33
	Civil / Structural Construction - Chimney	\$0	\$0	\$0	0	\$19,000,000	\$19,000,000	5.92%	\$36.19
72.0000	Mechanical / Chemical Construction	\$0	\$0	\$25,347,212	411,646	\$6,125,350	\$31,472,562	9.81%	\$59.95
73.0000	Electrical / Control Construction	\$0	\$264,200	\$9,835,249	157,414	\$383,400	\$10,482,849	3.27%	\$19.97
78.0000	Service Contracts & Construction Indirects	\$0	\$5,015,771	\$6,217,016	132,437	\$19,790,777	\$31,023,564	9.67%	\$59.09
	Subtotal Construction Contracts:	\$0	\$7,481,945	\$51,963,045	871,039	\$54,944,459	\$114,389,449	35.65%	\$217.88
	Total Direct Costs	\$92,117,243	\$15,274,370	\$51,963,045	871,039	\$64,231,649	\$223,586,307	69.68%	\$425.88
		. , ,	. , ,	. , ,	,	. , ,	. , ,		·
Indirect Cos	sts:								
	Engineering Costs (With G&A)	\$0	\$0	\$8,036,000	196,000	\$11,941,496	\$19,977,496	6.23%	\$38.05
99.1200	EPC Construction Management (With G&A)	\$0	\$123,640	\$9,537,417	209,982	\$13,515,383	\$23,176,441	7.22%	\$44.15
	Project Insurance	\$0	\$0	\$0	0	\$4,045,918	\$4,045,918	1.26%	\$7.71
99.1600	Performance Bond	\$0	\$0	\$0	0	\$1,733,965	\$1,733,965	0.54%	\$3.30
99.1900 99.2500	Sales Tax 6% of Indirect materials and Services Project Contingency 10%	\$0 \$0	\$0 \$0	\$0 \$0	0	\$93,229 \$27,261,335	\$93,229 \$27,261,335	0.03% 8.50%	\$0.18 \$51.93
	EPC Profit	\$0 \$0	\$0 \$0	\$0 \$0	0	\$20,991,000	\$20,991,000	6.54%	\$39.98
00.2000					-	Ψ20,001,000	Ψ20,001,000	0.0170	
	Total Indirect Costs	\$0	\$123,640	\$17,573,417	405,982	\$79,582,326	\$97,279,383	30.32%	\$185.29
	Total Overnight (April 2011) EPC Captial Costs:	\$92,117,243	\$15,398,011	\$69,536,462	1,277,022	\$143,813,975	\$320,865,690	100.00%	\$611.17
		\$0	\$0	\$0	0	\$0	\$0	0.00%	\$0.00

LG&E - KU- Mill Creek Unit 4 Wet FGD & PJFF- Arrangement "B" Rev. B (Without SCR) B&V PROJECT #: 168908 PLOCATION: Jefferson Count PROJECT ESTIMATOR: Ron Fields LOCATION: PC Fired Boiler

\$0

\$91,547,243

\$123,640

\$15,398,011

\$17,573,417

\$69,536,462

405,982

1,277,022

\$79,582,326

\$144,383,975

\$97,279,383

\$320,865,690

30.32%

100.00%

\$185.29

\$611.17

B&V PROJECT #: 168908
PROJECT ESTIMATOR: Ron Fields
PROJECT MANAGER: Tim Hillman
PURPOSE OF ESTIMATE: Budgetary
ESTIMATE DATE: April-11

Total Indirect Costs

Total Overnight (April 2011) EPC Captial Costs:

LOCATION:
PLANT TYPE
CLIENT:
PARTNER:
CURRENCY:

LOCATION: Jefferson County, KY
PLANT TYPE: PC Fired Boiler
CLIENT: LG&E - KU
PARTNER: N/A
CURRENCY: US Dollars

	T								
		PROJECT - TOTAL COSTS							1
Contract		Engr Equip	Commodities					% OF	\$ PER
Number	Description							TOTAL C.V.	KW
		Material \$	Material \$	Labor \$	Manhours	Other	TOTAL \$		525
ESTIMATE	E SUMMARY								
Purchase C	ontracts:								
61.0000	Civil / Structural	\$4,094,992	\$336,635	\$0	0	\$2,487,190	\$6,918,817	2.16%	\$13.18
62.0000	Mechanical	\$5,538,647	\$550,000	\$0	0	\$6,800,000	\$12,888,647	4.02%	\$24.55
63.0000	Electrical	\$8,431,504	\$6,744,391	\$0	0	\$0	\$15,175,895	4.73%	\$28.91
64.0000	Control	\$1,332,100	\$161,400	\$0	0	\$570,000	\$2,063,500	0.64%	\$3.93
65.0000	Chemical	\$72,150,000	\$0	\$0	0	\$0	\$72,150,000	22.49%	\$137.43
	Subtotal Purchase Contracts:	\$91,547,243	\$7,792,426	\$0	0	\$9,857,190	\$109,196,859	34.03%	\$207.99
Construction	on Contracts:								
71.0402	Civil / Structural Construction - Substructures	\$0	\$2,201,974	\$10,563,567	169,542	\$28,644,932	\$41,410,473	12.91%	\$78.88
71.0403	Civil / Structural Construction - Superstructures	\$0	\$0	\$0	0	\$0	\$0	0.00%	\$0.00
72.0000	Mechanical / Chemical Construction	\$0	\$0	\$25,347,212	411,646	\$6,125,350	\$31,472,562	9.81%	\$59.95
73.0000	Electrical / Control Construction	\$0	\$264,200	\$9,835,249	157,414	\$383,400	\$10,482,849	3.27%	\$19.97
78.0000	Service Contracts & Construction Indirects	\$0	\$5,015,771	\$6,217,016	132,437	\$19,790,777	\$31,023,564	9.67%	\$59.09
	Subtotal Construction Contracts:	\$0	\$7,481,945	\$51,963,045	871,039	\$54,944,459	\$114,389,449	35.65%	\$217.88
	Total Direct Costs	\$91,547,243	\$15,274,370	\$51,963,045	871,039	\$64,801,649	\$223,586,307	69.68%	\$425.88
Indirect Cos	sts:								
99.1100	Engineering Costs (With G&A)	\$0	\$0	\$8,036,000	196,000	\$11,941,496	\$19,977,496	6.23%	\$38.05
99.1200	Construction Management (With G&A)	\$0	\$123,640	\$9,537,417	209,982	\$13,515,383	\$23,176,441	7.22%	\$44.15
99.1500	Project Insurance	\$0	\$0	\$0	0	\$4,045,918	\$4,045,918	1.26%	\$7.71
99.1600	Performance Bond	\$0	\$0	\$0	0	\$1,733,965	\$1,733,965	0.54%	\$3.30
99.1900	Sales Tax 6% of Indirect materials and Services	\$0	\$0	\$0	0	\$93,229	\$93,229	0.03%	\$0.18
99.2500	Project Contingency	\$0	\$0	\$0	0	\$27,261,335	\$27,261,335	8.50%	\$51.93
99.2600	EPC Profit	\$0	\$0	\$0	0	\$20,991,000	\$20,991,000	6.54%	\$39.98

BLACK AND VEATCH CONFIDENTIAL AND PROPRIETARY INFORMATION

4/4/2011 5:17 PM Page 2 of 4 Mill Creek Unit 4 B Without SCR Rev. B, 040111 .xls

LG&E - KU- Mill Creek Unit 4 Wet FGD & PJFF- Arrangement "B" Rev. B (Without SCR) B&V PROJECT #: 168908 PROJECT ESTIMATOR: 168908 Ron Fields | Location: PLANT TYPE: PC Fired Boiler

B&V PROJECT #: 168908
PROJECT ESTIMATOR: Ron Fields
PROJECT MANAGER: Tim Hillman
PURPOSE OF ESTIMATE: Budgetary
ESTIMATE DATE: April-11

PLANT TYPE: CLIENT: PARTNER: CURRENCY: Jefferson County, KY PC Fired Boiler LG&E - KU N/A US Dollars

BLACK AND VEATCH CONFIDENTIAL AND PROPRIETARY INFORMATION

		PROJECT - TOTAL COSTS							
Contract Number	5	Engr Equip Commodities						% OF	\$ PER
	Description	Material \$	Material \$	Labor \$	Manhours	Other	TOTAL \$	TOTAL C.V.	KW 525
Ciil / Ct	Aurel Burch and Comments								
61.0200	ctural Purchase Contracts: Buildings - Insulated panels	\$0	\$40,000	\$0	0	\$1,687,190	\$1,727,190	0.54%	\$3.29
61.3601	Chain Link Fence	\$0 \$0	\$10,000	\$0 \$0	0	\$50,000	\$60,000	0.02%	\$0.11
61.3801	Ductwork and Breeching	\$2,192,400	\$286,635	\$0	0	\$750,000	\$3,229,035	1.01%	\$6.15
	Subtotal - Civil / Structural Purchase Contracts:	\$4,094,992	\$336,635	\$0	0	\$2,487,190	\$6,918,817	2.16%	\$13.18
Mechanical	Purchase Contracts:	\$0	\$0	\$0	0	\$0			
62.2418	Primary Flow elements	\$56,500	\$0 \$0	\$0 \$0	0	\$0 \$0	\$56,500	0.02%	\$0.11
62.2613	Pumps -FGD	\$40,000	\$0	\$0	0	\$0	\$40,000	0.01%	\$0.08
66.1000	Piping & Tubing	\$988,147	\$10,000	\$0	0	\$0	\$998,147	0.31%	\$1.90
66.2070	Pipe Supports	\$0	\$540,000	\$0	0	\$0	\$540,000	0.17%	\$1.03
66.3000	Valves and Accessories	\$2,104,000	\$0	\$0	0	\$0	\$2,104,000	0.66%	\$4.01
67.0414	Fly Ash Transfer System	\$0	\$0	\$0	0	\$6,800,000	\$6,800,000	2.12%	\$12.95
67.9300	Air Compressors, Dryers, & Air Receivers	\$250,000	\$0	\$0	0	\$0	\$250,000	0.08%	\$0.48
67.9532	ID Booster Fans	\$2,100,000	\$0	\$0	0	\$0	\$2,100,000	0.65%	\$4.00
	Subtotal - Mechanical Purchase Contracts:	\$5,538,647	\$550,000	\$0	\$0	\$6,800,000	\$12,888,647	4.02%	\$24.55
Flectrical P	urchase Contracts:	\$0	\$0	\$0	0	\$0			
63.0000	Electrical Equipment & Materials	\$0	\$3,000	\$0	0	\$0	\$3,000	0.00%	\$0.01
63.0601	Plant Communication System	\$0 \$0	\$50,000	\$0	0	\$0	\$50,000	0.02%	\$0.10
63.0801	Cable - 8-15KV Power	\$0	\$1,567,800	\$0	0	\$0	\$1,567,800	0.49%	\$2.99
63.0804	Cable - 300-600V Instrument & T/C	\$0	\$17,923	\$0	0	\$0	\$17,923	0.01%	\$0.03
63.0802	Cable - 600V Power	\$0	\$106,408	\$0	0	\$0	\$106,408	0.03%	\$0.20
63.1001	Welding System	\$0	\$28,600	\$0	0	\$0	\$28,600	0.01%	\$0.05
63.1201	Iso-Phase Bus Duct	\$230,000	\$0	\$0	0	\$0	\$230,000	0.07%	\$0.44
63.1202	Non-Seg or SegregatedPhase Bus Duct	\$0	\$3,640,040	\$0	0	\$0	\$3,640,040	1.13%	\$6.93
63.2000	Metering & Relaying	\$120,000	\$0,040,040	\$0 \$0	0	\$0 \$0	\$120,000	0.04%	\$0.33
63.2802	Batteries - DC Equipment	\$120,000	\$442,750	\$0 \$0	0	\$0 \$0	\$442,750	0.14%	\$0.23
63.2805	PanelBoards	\$0 \$0	\$60,000	\$0 \$0	0	\$0 \$0	\$60,000	0.02%	\$0.04
63.3002	VFDs, Motors and Couplings	\$3,086,000	\$0 \$0	\$0 \$0	0	\$0 \$0	\$3,086,000	0.96%	\$5.88
63.3603	Switchgear & MCCs	\$3,084,000	\$0 \$0	\$0 \$0	0	\$0 \$0	\$3,084,000	0.96%	\$5.87
63.3802	SUS Transformers	\$479,504	\$0 \$0	\$0 \$0	0	\$0 \$0	\$479,504	0.15%	\$0.91
63.3803	Aux Transformer	\$1,432,000	\$0 \$0	\$0 \$0	0	\$0 \$0	\$1,432,000	0.45%	\$2.73
63.5000	Junction Boxes	\$0	\$13,100	\$0 \$0	0	\$0 \$0	\$13,100	0.00%	\$0.02
63.5010	Grounding Materials and Equipment	\$0 \$0	\$127,600	\$0 \$0	0	\$0 \$0	\$127,600	0.04%	\$0.02
63.5020	Raceway - Duct Bank Materials	\$0	\$155,000	\$0	0	\$0	\$155,000	0.05%	\$0.30
63.5021	Raceway - Cable Tray	\$0	\$132,170	\$0	0	\$0	\$132,170	0.04%	\$0.25
63.5022	Raceway - General	\$0	\$400,000	\$0 \$0	0	\$0	\$400,000	0.12%	\$0.76
	Subtotal - Electrical Purchase Contracts:	\$8,431,504	\$6,744,391	\$0	0	\$0	\$15,175,895	4.73%	\$28.91
Comtrol Dur	sahana Camtanata	ФО.	# 0	ФО.	0	# 0			
	rchase Contracts:	\$0	\$0	\$0	0	\$0	#4.400.000	0.040/	# 0.40
64.0202	Distribution Control System	\$1,100,000	\$0	\$0	0	\$0	\$1,100,000	0.34%	\$2.10
64.0206	Instrument Valves	\$0 \$0	\$56,400	\$0 \$0	0	\$0 \$570,000	\$56,400	0.02%	\$0.11
64.0407	On-line Performance Monitoring - Neural Network Transmitters - Pressure	\$0 \$64,500	\$0 \$0	\$0 \$0	0	\$570,000	\$570,000	0.18% 0.02%	\$1.09 \$0.12
64.1001 64.1003	Switches - Pressure	\$61,500 \$150,600	\$0 \$0	\$0 \$0	0	\$0 \$0	\$61,500 \$150,600	0.05%	\$0.12
64.1203	Thermocouple Assemblies & TWS	\$20,000	\$0 \$0	\$0 \$0	0	\$0 \$0	\$20,000	0.05%	\$0.29
64.1602	Instr. Racks and Enclosures	\$20,000	\$15,000	\$0 \$0	0	\$0 \$0	\$15,000	0.00%	\$0.04
64.5010	Tubing	\$0 \$0	\$90,000	\$0 \$0	0	\$0 \$0	\$90,000	0.00%	\$0.03
	Subtotal - Control Purchase Contracts:	\$1,332,100	\$161,400	\$0	0	\$570,000	\$2,063,500	0.64%	\$3.93
Chamical D	luvahana Cantranta.						. , ,		•
65.3120	urchase Contracts: Fabric Filter	\$0 \$18,000,000	\$0 \$0	\$0 \$0	0	\$0 \$0	¢19 000 000	5.61%	\$34.29
65.3210	Scrubber FGD	\$50,300,000	\$0 \$0	\$0 \$0	0	\$0 \$0	\$18,000,000 \$50,300,000	15.68%	\$34.29 \$95.81
65.3230	Sorbent Injection System	\$2,000,000	\$0 \$0	\$0 \$0	0	\$0 \$0	\$2,000,000	0.62%	\$3.81
65.3500	H -PAC Mecury Control	\$1,000,000	\$0 \$0	\$0 \$0	0	\$0 \$0	\$1,000,000	0.82%	\$3.01 \$1.90
65.3600	CEMs	\$850,000	\$0 \$0	\$0 \$0	0	\$0 \$0	\$850,000	0.26%	\$1.62
	Subtotal - Chemical Purchase Contracts:	\$72,150,000	\$0	\$0	0	\$0	\$72,150,000	22.49%	\$137.43
							,,		+
	Subtotal Purchase Contracts:	\$91,547,243	\$7,792,426	\$0	0	\$9,857,190	\$109,196,859	34.03%	\$207.99

LG&E - KU- Mill Creek Unit 4 Wet FGD & PJFF- Arrangement "B" Rev. B (Without SCR) B&V PROJECT #: 168908 PROJECT ESTIMATOR: 168908 Ron Fields | Location: PLANT TYPE: PC Fired Boiler

B&V PROJECT #: 168908
PROJECT ESTIMATOR: Ron Fields
PROJECT MANAGER: Tim Hillman
PURPOSE OF ESTIMATE: Budgetary
ESTIMATE DATE: April-11

PLANT TYPE:
CLIENT:
PARTNER:
CURRENCY:

Jefferson County, KY PC Fired Boiler LG&E - KU N/A US Dollars

BLACK AND VEATCH CONFIDENTIAL AND PROPRIETARY INFORMATION

		PROJECT - TOTAL COSTS								
Contract	5	Engr Equip	Commodities					% OF	\$ PER	
Number	Description	Material \$	Material \$	Labor \$	Manhours	Other	TOTAL \$	TOTAL C.V.	KW 525	
		atoa. y	matorial y		a	Cu.o.			V-0	
Civil / Struc	ctural Construction Contracts:	\$0	\$0	\$0	0	\$0				
71.0100	Demolition Works	\$0	\$0	\$0	0	\$460,000	\$460,000	0.14%	\$0.88	
71.0203	Site Finishing	\$0	\$0	\$82,096	1,600	\$0	\$82,096	0.03%	\$0.16	
71.0402	General Construction - Substructures	\$0	\$1,952,594	\$5,778,732	99,993	\$3,466,182	\$11,197,507	3.49%	\$21.33	
71.0403	General Construction - Superstructures	\$0	\$249,380	\$4,702,740	67,949	\$5,718,750	\$10,670,870	3.33%	\$20.33	
71.0411	Concrete Chimney	\$0	\$0	\$0	0	\$19,000,000	\$19,000,000	5.92%	\$36.19	
	Subtotal - Civil / Structural Construction Contracts:	\$0	\$2,201,974	\$10,563,567	169,542	\$28,644,932	\$41,410,473	12.91%	\$78.88	
Mechanical	Construction Contracts:	\$0	\$0	\$0	0	\$0				
72.0201	Mechanical Equipment Erection	\$0	\$0	\$814,454	13,312	\$0	\$814,454	0.25%	\$1.55	
72.0401	Plant Piping Installation	\$0	\$0	\$5,854,078	92,878	\$0	\$5,854,078	1.82%	\$11.15	
72.0403	Piping & Equipment Insulation	\$0 \$0	\$0	\$0	0	\$2,526,000	\$2,526,000	0.79%	\$4.81	
72.0800	Fire Protection & Detection Systems	\$0	\$0	\$0	0	\$1,949,350	\$1,949,350	0.61%	\$3.71	
77.0000	Mechanical Construction	\$0	\$0	\$18,678,679	305,457	\$0	\$18,678,679	5.82%	\$35.58	
77.5450	Field Erected Tanks	\$0	\$0	\$0	0	\$1,650,000	\$1,650,000	0.51%	\$3.14	
	Subtotal - Mechanical Construction Contracts:	\$0	\$0	\$25,347,212	\$411,646	\$6,125,350	\$31,472,562	9.81%	\$59.95	
Electrical /	Control Construction Contracts:	\$0	\$0	\$0	0	\$0				
73.0201	Electrical Equipment Erection	\$0 \$0	\$264,200	\$9,047,225	144,802	\$383,400	\$9,694,825	3.02%	\$18.47	
74.0201	Control & Instrumentation Installation	\$0 \$0	\$204,200	\$788,024	12,612	\$363,400 \$0	\$788,024	0.25%	\$1.50	
	-	·	·	•	·				-	
	Subtotal - Electrical / Control Construction Contracts:	\$0	\$264,200	\$9,835,249	157,414	\$383,400	\$10,482,849	3.27%	\$19.97	
	on Indirects & Service Contracts:	\$0	\$0	\$0	0	\$0				
78.0000	Service Contracts & Construction Indirects	\$0	\$5,015,771	\$6,217,016	132,437	\$19,439,777	\$30,672,564	9.56%	\$58.42	
78.4000	Warranty	\$0	\$0	\$0	0	\$351,000	\$351,000	0.11%	\$0.67	
	Subtotal - Construction Indirects & Service Contracts:	\$0	\$5,015,771	\$6,217,016	132,437	\$19,790,777	\$31,023,564	9.67%	\$59.09	
	Subtotal - Construction Costs:	\$0	\$7,481,945	\$51,963,045	871,039	\$54,944,459	\$114,389,449	35.65%	\$217.88	
	Subtotal - Direct Costs:	\$91,547,243	\$15,274,370	\$51,963,045	871,039	\$64,801,649	\$223,586,307	69.68%	\$425.88	
Indirect Cos	sts:	\$0	\$0	\$0	0	\$0				
99.1100	Engineering Costs (With G&A)	\$0	\$0	\$8,036,000	196,000	\$11,941,496	\$19,977,496	6.23%	\$38.05	
99.1200	EPC Construction Management (With G&A)	\$0	\$123,640	\$9,537,417	209,982	\$13,515,383	\$23,176,441	7.22%	\$44.15	
99.1500	Project Insurance	\$0	\$0	\$0	0	\$4,045,918	\$4,045,918	1.26%	\$7.71	
99.1600	Performance Bond	\$0	\$0	\$0	0	\$1,733,965	\$1,733,965	0.54%	\$3.30	
99.1900	Sales Tax 6% of Indirect materials and Services	\$0	\$93,229	\$0	0	\$0	\$93,229	0.03%	\$0.18	
99.2500	Project Contingency 10%	\$0	\$0	\$0	0	\$27,261,335	\$27,261,335	8.50%	\$51.93	
99.2600	EPC Profit	\$0	\$0	\$0	0	\$20,991,000	\$20,991,000	6.54%	\$39.98	
	Subtotal - Indirect Costs:	\$0	\$216,869	\$17,573,417	405,982	\$79,489,097	\$97,279,383	30.32%	\$185.29	
	Total Overnight (April 2011) EPC Captial Costs:	\$91,547,243	\$15,491,239	\$69,536,462	1,277,022	\$144,290,746	\$320,865,690	100.00%	\$611.17	