

# LG&E - KU Mill Creek Unit 4 Wet FGD & PJFF Arrangment "B" Rev. B

B&V PROJECT #: 168908  
 PROJECT ESTIMATOR: Ron Fields  
 PROPOSAL MANAGER:  
 PURPOSE OF ESTIMATE: Budgetary  
 ESTIMATE DATE: March-11

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

## BLACK AND VEATCH CONFIDENTIAL AND PROPRIETARY INFORMATION

Contract Number	Description	PROJECT - TOTAL COSTS					% OF TOTAL C.V.	\$ PER KW 525
		Engr Equip	Commodities	Labor	Manhours	Other		
		Material \$	Material \$	Labor \$	Manhours	Other	TOTAL \$	

### ESTIMATE SUMMARY

#### Purchase Contracts:

61.0000	Civil / Structural	\$0	\$50,000	\$0	0	\$1,737,190	\$1,787,190	0.56%	\$3.40
61.3801	Ductwork and Breeching	\$2,192,400	\$286,635	\$0	0	\$750,000	\$3,229,035	1.01%	\$6.15
62.0000	Mechanical - Balance of Plant (BOP)	\$96,500	\$0	\$0	0	\$0	\$96,500	0.03%	\$0.18
63.0000	Electrical - BOP, Equipment, Raceway	\$350,000	\$3,104,576	\$0	0	\$0	\$3,454,576	1.08%	\$6.58
63.1202	Bus Duct	\$0	\$3,640,040	\$0	0	\$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	\$0	0	\$0	\$1,432,000	0.45%	\$2.73
64.0000	Control - DCS, Instrumentation	\$1,332,100	\$161,400	\$0	0	\$0	\$1,493,500	0.47%	\$2.84
64.0407	On-line Performance Monitoring - Neural Network	\$570,000	\$0	\$0	0	\$0	\$570,000	0.18%	\$1.09
65.3120	Fabric Filter	\$18,000,000	\$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	15.67%	\$95.81
65.3230	Sorbent Injection System	\$2,000,000	\$0	\$0	0	\$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	\$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
<b>Subtotal Purchase Contracts:</b>		<b>\$90,214,651</b>	<b>\$7,792,651</b>	<b>\$0</b>	<b>0</b>	<b>\$9,287,190</b>	<b>\$107,294,492</b>	<b>33.43%</b>	<b>\$204.37</b>

#### Construction Contracts:

71.0100	Demolition works	\$0	\$0	\$0	0	\$460,000	\$460,000	0.14%	\$0.88
71.0203	Civil / Structural Construction - Site finishes	\$0	\$0	\$82,096	1,600	\$0	\$82,096	0.03%	\$0.16
71.0402	Civil / Structural Construction - Super Structures	\$1,868,400	\$249,380	\$4,229,454	61,110	\$5,718,750	\$12,065,984	3.76%	\$22.98
71.0403	Civil / Structural Construction - Sub-Structures	\$0	\$1,895,614	\$5,704,102	98,720	\$3,466,182	\$11,065,898	3.45%	\$21.08
71.0411	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	\$9,835,422	157,417	\$383,400	\$10,483,022	3.27%	\$19.97
78.0000	Service Contracts & Construction Indirects	\$0	\$5,794,394	\$6,522,763	140,490	\$21,420,800	\$33,737,957	10.51%	\$64.26
<b>Subtotal Construction Contracts:</b>		<b>\$1,868,400</b>	<b>\$8,203,588</b>	<b>\$51,721,049</b>	<b>870,984</b>	<b>\$56,574,482</b>	<b>\$118,367,519</b>	<b>36.88%</b>	<b>\$225.46</b>

#### Total Direct Costs

<b>\$92,083,051</b>	<b>\$15,996,238</b>	<b>\$51,721,049</b>	<b>870,984</b>	<b>\$65,861,672</b>	<b>\$225,662,011</b>	<b>70.31%</b>	<b>\$429.83</b>
---------------------	---------------------	---------------------	----------------	---------------------	----------------------	---------------	-----------------

#### Indirect Costs:

99.1100	Engineering Costs (With G&A)	\$0	\$0	\$8,036,000	196,000	\$11,941,496	\$19,977,496	6.22%	\$38.05
99.1200	EPC Construction Management (With G&A)	\$0	\$4,127,487	\$8,777,628	196,127	\$8,288,736	\$21,193,852	6.60%	\$40.37
99.1500	Project Insurance	\$0	\$0	\$0	0	\$4,032,505	\$4,032,505	1.26%	\$7.68
99.1600	Performance Bond	\$0	\$0	\$0	0	\$1,728,216	\$1,728,216	0.54%	\$3.29
99.1900	Sales Tax 6% of Indirect materials and Services	\$0	\$0	\$0	0	\$93,924	\$93,924	0.03%	\$0.18
99.2500	Project Contingency 10%	\$0	\$0	\$0	0	\$27,268,800	\$27,268,800	8.50%	\$51.94
99.2600	EPC Profit	\$0	\$0	\$0	0	\$20,997,000	\$20,997,000	6.54%	\$39.99
<b>Total Indirect Costs</b>		<b>\$0</b>	<b>\$4,127,487</b>	<b>\$16,813,628</b>	<b>392,127</b>	<b>\$74,350,678</b>	<b>\$95,291,793</b>	<b>29.69%</b>	<b>\$181.51</b>

#### Total Overnight (Mar 2011) EPC Captial Costs:

<b>\$92,083,051</b>	<b>\$20,123,726</b>	<b>\$68,534,677</b>	<b>1,263,111</b>	<b>\$140,212,350</b>	<b>\$320,953,804</b>	<b>100.00%</b>	<b>\$611.34</b>
\$0	\$0	\$0	0	\$0	\$0	0.00%	\$0.00

#### Separate Line Item Cost Break Out (Item listed below is included in the above EPC estimate)

1	Demolition	\$565,800
2	SCR	\$0
3	Scrubber Refurbishment	\$0
4	Scrubber Steel Refurbishment	\$0

# LG&E - KU- Mill Creek Unit 4 Wet FGD & PJFF- Arrangement "B" rev. B

B&V PROJECT #: 168908  
 PROJECT ESTIMATOR: Ron Fields  
 PROPOSAL MANAGER:  
 PURPOSE OF ESTIMATE: Budgetary  
 ESTIMATE DATE: March-11

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

## BLACK AND VEATCH CONFIDENTIAL AND PROPRIETARY INFORMATION

Contract Number	Description	PROJECT - TOTAL COSTS					% OF TOTAL C.V.	\$ PER KW 525	
		Engr Equip Material \$	Commodities Material \$	Labor \$	Manhours	Other			TOTAL \$
<b>ESTIMATE SUMMARY</b>									
<b>Purchase Contracts:</b>									
61.0000	Civil / Structural	\$2,192,400	\$336,635	\$0	0	\$2,487,190	\$5,016,225	1.56%	\$9.55
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	\$6,744,616	\$0	0	\$0	\$15,176,120	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	22.48%	\$137.43
<b>Subtotal Purchase Contracts:</b>		<b>\$89,644,651</b>	<b>\$7,792,651</b>	<b>\$0</b>	<b>0</b>	<b>\$9,857,190</b>	<b>\$107,294,492</b>	<b>33.43%</b>	<b>\$204.37</b>
<b>Construction Contracts:</b>									
71.0402	Civil / Structural Construction - Substructures	\$1,868,400	\$2,144,994	\$10,015,652	161,430	\$28,644,932	\$42,673,978	13.30%	\$81.28
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	\$9,835,422	157,417	\$383,400	\$10,483,022	3.27%	\$19.97
78.0000	Service Contracts & Construction Indirects	\$0	\$5,794,394	\$6,522,763	140,490	\$21,420,800	\$33,737,957	10.51%	\$64.26
<b>Subtotal Construction Contracts:</b>		<b>\$1,868,400</b>	<b>\$8,203,588</b>	<b>\$51,721,049</b>	<b>870,984</b>	<b>\$56,574,482</b>	<b>\$118,367,519</b>	<b>36.88%</b>	<b>\$225.46</b>
<b>Total Direct Costs</b>		<b>\$91,513,051</b>	<b>\$15,996,238</b>	<b>\$51,721,049</b>	<b>870,984</b>	<b>\$66,431,672</b>	<b>\$225,662,011</b>	<b>70.31%</b>	<b>\$429.83</b>
<b>Indirect Costs:</b>									
99.1100	Engineering Costs (With G&A)	\$0	\$0	\$8,036,000	196,000	\$11,941,496	\$19,977,496	6.22%	\$38.05
99.1200	Construction Management (With G&A)	\$0	\$4,127,487	\$8,777,628	196,127	\$8,288,736	\$21,193,852	6.60%	\$40.37
99.1500	Project Insurance	\$0	\$0	\$0	0	\$4,032,505	\$4,032,505	1.26%	\$7.68
99.1600	Performance Bond	\$0	\$0	\$0	0	\$1,728,216	\$1,728,216	0.54%	\$3.29
99.1900	Sales Tax 6% of Indirect materials and Services	\$0	\$0	\$0	0	\$93,924	\$93,924	0.03%	\$0.18
99.2500	Project Contingency	\$0	\$0	\$0	0	\$27,268,800	\$27,268,800	8.50%	\$51.94
99.2600	EPC Profit	\$0	\$0	\$0	0	\$20,997,000	\$20,997,000	6.54%	\$39.99
<b>Total Indirect Costs</b>		<b>\$0</b>	<b>\$4,127,487</b>	<b>\$16,813,628</b>	<b>392,127</b>	<b>\$74,350,678</b>	<b>\$95,291,793</b>	<b>29.69%</b>	<b>\$181.51</b>
<b>Total Overnight (Mar 2011) EPC Captial Costs:</b>		<b>\$91,513,051</b>	<b>\$20,123,726</b>	<b>\$68,534,677</b>	<b>1,263,111</b>	<b>\$140,782,350</b>	<b>\$320,953,804</b>	<b>100.00%</b>	<b>\$611.34</b>

# LG&E - KU- Mill Creek Unit 4 Wet FGD & PJFF- Arrangement "B" rev. B

B&V PROJECT #: 168908  
 PROJECT ESTIMATOR: Ron Fields  
 PROPOSAL MANAGER:  
 PURPOSE OF ESTIMATE: Budgetary  
 ESTIMATE DATE: March-11

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

## BLACK AND VEATCH CONFIDENTIAL AND PROPRIETARY INFORMATION

Contract Number	Description	PROJECT - TOTAL COSTS					% OF TOTAL C.V.	\$ PER KW 525	
		Engr Equip	Commodities						
		Material \$	Material \$	Labor \$	Manhours	Other	TOTAL \$		
<b>Civil / Structural Purchase Contracts:</b>									
61.0200	Buildings - Insulated panels	\$0	\$40,000	\$0	0	\$1,687,190	\$1,727,190	0.54%	\$3.29
61.3601	Chain Link Fence	\$0	\$10,000	\$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
<b>Subtotal - Civil / Structural Purchase Contracts:</b>		<b>\$2,192,400</b>	<b>\$336,635</b>	<b>\$0</b>	<b>0</b>	<b>\$2,487,190</b>	<b>\$5,016,225</b>	<b>1.56%</b>	<b>\$9.55</b>
<b>Mechanical Purchase Contracts:</b>									
62.2418	Primary Flow elements	\$0	\$0	\$0	0	\$0	\$56,500	0.02%	\$0.11
62.2613	Pumps -FGD	\$56,500	\$0	\$0	0	\$0	\$40,000	0.01%	\$0.08
66.1000	Piping & Tubing	\$40,000	\$0	\$0	0	\$0	\$998,147	0.31%	\$1.90
66.2070	Pipe Supports	\$988,147	\$10,000	\$0	0	\$0	\$540,000	0.17%	\$1.03
66.3000	Valves and Accessories	\$0	\$540,000	\$0	0	\$0	\$2,104,000	0.66%	\$4.01
67.0414	Fly Ash Transfer System	\$2,104,000	\$0	\$0	0	\$0	\$6,800,000	2.12%	\$12.95
67.9300	Air Compressors, Dryers, & Air Receivers	\$0	\$0	\$0	0	\$0	\$250,000	0.08%	\$0.48
67.9532	ID Booster Fans	\$250,000	\$0	\$0	0	\$0	\$2,100,000	0.65%	\$4.00
<b>Subtotal - Mechanical Purchase Contracts:</b>		<b>\$5,538,647</b>	<b>\$550,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,800,000</b>	<b>\$12,888,647</b>	<b>4.02%</b>	<b>\$24.55</b>
<b>Electrical Purchase Contracts:</b>									
63.0000	Electrical Equipment & Materials	\$0	\$0	\$0	0	\$0	\$3,000	0.00%	\$0.01
63.0601	Plant Communication System	\$0	\$3,000	\$0	0	\$0	\$50,000	0.02%	\$0.10
63.0801	Cable - 8-15KV Power	\$0	\$50,000	\$0	0	\$0	\$1,567,800	0.49%	\$2.99
63.0804	Cable - 300-600V Instrument & T/C	\$0	\$1,567,800	\$0	0	\$0	\$17,923	0.01%	\$0.03
63.0802	Cable - 600V Power	\$0	\$17,923	\$0	0	\$0	\$106,408	0.03%	\$0.20
63.1001	Welding System	\$0	\$106,408	\$0	0	\$0	\$28,600	0.01%	\$0.05
63.1201	Iso-Phase Bus Duct	\$0	\$28,600	\$0	0	\$0	\$230,000	0.07%	\$0.44
63.1202	Non-Seg or SegregatedPhase Bus Duct	\$230,000	\$0	\$0	0	\$0	\$3,640,040	1.13%	\$6.93
63.2000	Metering & Relaying	\$0	\$3,640,040	\$0	0	\$0	\$120,000	0.04%	\$0.23
63.2802	Batteries - DC Equipment	\$120,000	\$0	\$0	0	\$0	\$442,750	0.14%	\$0.84
63.2805	PanelBoards	\$0	\$442,750	\$0	0	\$0	\$60,000	0.02%	\$0.11
63.3002	VFDs, Motors and Couplings	\$0	\$60,000	\$0	0	\$0	\$3,086,000	0.96%	\$5.88
63.3603	Switchgear & MCCs	\$3,086,000	\$0	\$0	0	\$0	\$3,084,000	0.96%	\$5.87
63.3802	SUS Transformers	\$3,084,000	\$0	\$0	0	\$0	\$479,504	0.15%	\$0.91
63.3803	Aux Transformer	\$479,504	\$0	\$0	0	\$0	\$1,432,000	0.45%	\$2.73
63.5000	Junction Boxes	\$1,432,000	\$0	\$0	0	\$0	\$13,100	0.00%	\$0.02
63.5010	Grounding Materials and Equipment	\$0	\$13,100	\$0	0	\$0	\$127,825	0.04%	\$0.24
63.5020	Raceway - Duct Bank Materials	\$0	\$127,825	\$0	0	\$0	\$155,000	0.05%	\$0.30
63.5021	Raceway - Cable Tray	\$0	\$155,000	\$0	0	\$0	\$132,170	0.04%	\$0.25
63.5022	Raceway - General	\$0	\$132,170	\$0	0	\$0	\$400,000	0.12%	\$0.76
<b>Subtotal - Electrical Purchase Contracts:</b>		<b>\$8,431,504</b>	<b>\$6,744,616</b>	<b>\$0</b>	<b>0</b>	<b>\$0</b>	<b>\$15,176,120</b>	<b>4.73%</b>	<b>\$28.91</b>
<b>Control Purchase Contracts:</b>									
64.0202	Distribution Control System	\$0	\$0	\$0	0	\$0	\$1,100,000	0.34%	\$2.10
64.0206	Instrument Valves	\$1,100,000	\$0	\$0	0	\$0	\$56,400	0.02%	\$0.11
64.0407	On-line Performance Monitoring - Neural Network	\$0	\$56,400	\$0	0	\$0	\$570,000	0.18%	\$1.09
64.1001	Transmitters - Pressure	\$0	\$0	\$0	0	\$570,000	\$61,500	0.02%	\$0.12
64.1003	Switches - Pressure	\$61,500	\$0	\$0	0	\$0	\$150,600	0.05%	\$0.29
64.1203	Thermocouple Assemblies & TWS	\$150,600	\$0	\$0	0	\$0	\$20,000	0.01%	\$0.04
64.1602	Instr. Racks and Enclosures	\$20,000	\$0	\$0	0	\$0	\$15,000	0.00%	\$0.03
64.5010	Tubing	\$0	\$15,000	\$0	0	\$0	\$90,000	0.03%	\$0.17
<b>Subtotal - Control Purchase Contracts:</b>		<b>\$1,332,100</b>	<b>\$161,400</b>	<b>\$0</b>	<b>0</b>	<b>\$570,000</b>	<b>\$2,063,500</b>	<b>0.64%</b>	<b>\$3.93</b>
<b>Chemical Purchase Contracts:</b>									
65.3120	Fabric Filter	\$0	\$0	\$0	0	\$0	\$18,000,000	5.61%	\$34.29
65.3210	Scrubber FGD	\$18,000,000	\$0	\$0	0	\$0	\$50,300,000	15.67%	\$95.81
65.3230	Sorbent Injection System	\$50,300,000	\$0	\$0	0	\$0	\$2,000,000	0.62%	\$3.81
65.3500	H -PAC Mercury Control	\$2,000,000	\$0	\$0	0	\$0	\$1,000,000	0.31%	\$1.90
65.3600	CEMs	\$1,000,000	\$0	\$0	0	\$0	\$850,000	0.26%	\$1.62
<b>Subtotal - Chemical Purchase Contracts:</b>		<b>\$72,150,000</b>	<b>\$0</b>	<b>\$0</b>	<b>0</b>	<b>\$0</b>	<b>\$72,150,000</b>	<b>22.48%</b>	<b>\$137.43</b>
<b>Subtotal Purchase Contracts:</b>		<b>\$89,644,651</b>	<b>\$7,792,651</b>	<b>\$0</b>	<b>0</b>	<b>\$9,857,190</b>	<b>\$107,294,492</b>	<b>33.43%</b>	<b>\$204.37</b>

# LG&E - KU- Mill Creek Unit 4 Wet FGD & PJFF- Arrangement "B" rev. B

B&V PROJECT #: 168908  
 PROJECT ESTIMATOR: Ron Fields  
 PROPOSAL MANAGER:  
 PURPOSE OF ESTIMATE: Budgetary  
 ESTIMATE DATE: March-11

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

## BLACK AND VEATCH CONFIDENTIAL AND PROPRIETARY INFORMATION

Contract Number	Description	PROJECT - TOTAL COSTS					% OF TOTAL C.V.	\$ PER KW 525	
		Engr Equip Material \$	Commodities Material \$	Labor \$	Manhours	Other			TOTAL \$
<b>Civil / Structural Construction Contracts:</b>									
71.0100	Demolition Works	\$0	\$0	\$0	0	\$0	\$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	\$1,895,614	\$5,704,102	98,720	\$3,466,182	\$11,065,898	3.45%	\$21.08
71.0403	General Construction - Superstructures	\$1,868,400	\$249,380	\$4,229,454	61,110	\$5,718,750	\$12,065,984	3.76%	\$22.98
71.0411	Concrete Chimney	\$0	\$0	\$0	0	\$19,000,000	\$19,000,000	5.92%	\$36.19
<b>Subtotal - Civil / Structural Construction Contracts:</b>		<b>\$1,868,400</b>	<b>\$2,144,994</b>	<b>\$10,015,652</b>	<b>161,430</b>	<b>\$28,644,932</b>	<b>\$42,673,978</b>	<b>13.30%</b>	<b>\$81.28</b>
<b>Mechanical Construction Contracts:</b>									
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	\$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
<b>Subtotal - Mechanical Construction Contracts:</b>		<b>\$0</b>	<b>\$0</b>	<b>\$25,347,212</b>	<b>\$411,646</b>	<b>\$6,125,350</b>	<b>\$31,472,562</b>	<b>9.81%</b>	<b>\$59.95</b>
<b>Electrical / Control Construction Contracts:</b>									
73.0201	Electrical Equipment Erection	\$0	\$0	\$9,047,397	144,805	\$383,400	\$9,694,997	3.02%	\$18.47
74.0201	Control & Instrumentation Installation	\$0	\$0	\$788,024	12,612	\$0	\$788,024	0.25%	\$1.50
<b>Subtotal - Electrical / Control Construction Contracts:</b>		<b>\$0</b>	<b>\$264,200</b>	<b>\$9,835,422</b>	<b>157,417</b>	<b>\$383,400</b>	<b>\$10,483,022</b>	<b>3.27%</b>	<b>\$19.97</b>
<b>Construction Indirects &amp; Service Contracts:</b>									
78.0000	Service Contracts & Construction Indirects	\$0	\$0	\$0	0	\$0	\$33,451,457	10.42%	\$63.72
78.4000	Warranty	\$0	\$5,794,394	\$6,522,763	140,490	\$21,134,300	\$33,451,457	10.42%	\$63.72
<b>Subtotal - Construction Indirects &amp; Service Contracts:</b>		<b>\$0</b>	<b>\$5,794,394</b>	<b>\$6,522,763</b>	<b>140,490</b>	<b>\$21,420,800</b>	<b>\$33,737,957</b>	<b>10.51%</b>	<b>\$64.26</b>
<b>Subtotal - Construction Costs:</b>		<b>\$1,868,400</b>	<b>\$8,203,588</b>	<b>\$51,721,049</b>	<b>870,984</b>	<b>\$56,574,482</b>	<b>\$118,367,519</b>	<b>36.88%</b>	<b>\$225.46</b>
<b>Subtotal - Direct Costs:</b>		<b>\$91,513,051</b>	<b>\$15,996,238</b>	<b>\$51,721,049</b>	<b>870,984</b>	<b>\$66,431,672</b>	<b>\$225,662,011</b>	<b>70.31%</b>	<b>\$429.83</b>
<b>Indirect Costs:</b>									
99.1100	Engineering Costs (With G&A)	\$0	\$0	\$8,036,000	196,000	\$11,941,496	\$19,977,496	6.22%	\$38.05
99.1200	EPC Construction Management (With G&A)	\$0	\$4,127,487	\$8,777,628	196,127	\$8,288,736	\$21,193,852	6.60%	\$40.37
99.1500	Project Insurance	\$0	\$0	\$0	0	\$4,032,505	\$4,032,505	1.26%	\$7.68
99.1600	Performance Bond	\$0	\$0	\$0	0	\$1,728,216	\$1,728,216	0.54%	\$3.29
99.1900	Sales Tax 6% of Indirect materials and Services	\$0	\$93,924	\$0	0	\$0	\$93,924	0.03%	\$0.18
99.2500	Project Contingency 10%	\$0	\$0	\$0	0	\$27,268,800	\$27,268,800	8.50%	\$51.94
99.2600	EPC Profit	\$0	\$0	\$0	0	\$20,997,000	\$20,997,000	6.54%	\$39.99
<b>Subtotal - Indirect Costs:</b>		<b>\$0</b>	<b>\$4,221,411</b>	<b>\$16,813,628</b>	<b>392,127</b>	<b>\$74,256,754</b>	<b>\$95,291,793</b>	<b>29.69%</b>	<b>\$181.51</b>
<b>Total Overnight (Mar 2011) EPC Captial Costs:</b>		<b>\$91,513,051</b>	<b>\$20,217,649</b>	<b>\$68,534,677</b>	<b>1,263,111</b>	<b>\$140,688,426</b>	<b>\$320,953,804</b>	<b>100.00%</b>	<b>\$611.34</b>