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

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

LOCATION: PLANT TYPE: CLIENT: PARTNER: CURRENCY: BLACK AND VEATCH CONFIDENTIAL AND PROPRIETARY INFORMATION

		PROJECT - TOTAL COSTS						
Contract Number	Description	Engr Equip	Commodities					% OF TOTAL C.V.
	•	Material \$	Material \$	Labor \$	Manhours	Other	TOTAL \$	
ESTIMATI	E SUMMARY							
Purchase C	ontracts:							
62.0000	Mechanical - Fire Protection Piping	\$59,182	\$0	\$0	0	\$0	\$59,182	0.37%
63.0000 63.3603	Electrical - Reserve Switchgear , MCC's, Raceway Reserve Switchgear and MCCs	\$0 \$152,000	\$5,100 \$0	\$0 \$0	0	\$0 \$0	\$5,100 \$152,000	0.03% 0.95%
	Subtotal Purchase Contracts:	\$211,182	\$5,100	\$0	0	\$0	\$216,282	1.35%
	on Contracts:	•	•	•			****	
71.0401		\$0	\$0	\$0	0	\$609,000	\$609,000	3.80%
71.0403 71.0822	Civil / Structural Construction - Sub-Structures Civil / Structural Construction - Ash Silo	\$0 \$0	\$286,923 \$0	\$637,802 \$0	12,788 0	\$1,200 \$8,000,000	\$925,925 \$8.000.000	5.78% 49.90%
71.0622	Mechanical / Chemical Construction	\$0 \$0	\$0 \$0	\$100,296	1,877	\$813,000	\$913,296	5.70%
73.0000	Electrical / Control Construction	\$0	\$0 \$0	\$26,443	499	\$0	\$26,443	0.16%
78.0000	Service Contracts & Construction Indirects	\$0	\$114,614	\$167,224	3,664	\$361,875	\$643,713	4.02%
	Subtotal Construction Contracts:	\$0	\$401,537	\$931,765	18,828	\$9,785,075	\$11,118,376	69.35%
	Total Direct Costs	\$211,182	\$406,637	\$931,765	18,828	\$9,785,075	\$11,334,658	70.70%
Indirect Cos		Φ0		#045.000	45.000	#040.000	#4 500 000	0.540
99.1100	Engineering Costs (Includes G&A & Fee)	\$0	\$0	\$615,000	15,000	\$913,890	\$1,528,890	9.54%
99.1200 99.1500	EPC Construction Management (Includes G&A & Fee)	\$0 \$0	\$2,212 \$0	\$184,197 \$0	4,029 0	\$248,067	\$434,476	2.71%
99.1600	Project Insurance Perfromance Bond	\$0 \$0	\$0 \$0	\$0 \$0	0	\$224,510 \$96,219	\$224,510 \$96,219	1.40% 0.60%
99.1000	Sales Tax 6% of Indirect materials and Services	\$0 \$0	\$1,668	\$0 \$0	0	\$90,219 \$0	\$1,668	0.01%
99.2500	Project Contingency 10%	\$0 \$0	\$0	\$0 \$0	0	\$1,362,042	\$1,362,042	8.50%
99.2600	EPC Profit	\$0	\$0	\$0	0	\$1,050,000	\$1,050,000	6.55%
	Total Indirect Costs	\$0	\$3,881	\$799,197	19,029	\$3,894,727	\$4,697,805	29.30%
	Total Overnight (April 2011) EPC Capital Costs:	\$211,182	\$410,518	\$1,730,961	37,857	\$13,679,802	\$16,032,463	100.00%
		\$0	\$0	\$0	0	\$0	\$0	0.00%

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PURPOSE OF ESTIMATE: Budgetary
ESTIMATE DATE: April-11

LOCATION: PLANT TYPE: CLIENT: PARTNER: Mercer 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.
		Material \$	Material \$	Labor \$	Manhours	Other	TOTAL \$	
ESTIMAT	E SUMMARY							
Purchase C	Contracts:							
62.0000		\$59,182	\$0	\$0	0	\$0	\$59,182	0.37%
63.0000		\$152,000	\$5,100	\$0	0	\$0	\$157,100	0.98%
	Subtotal Purchase Contracts:	\$211,182	\$5,100	\$0	0	\$0	\$216,282	1.35%
Construction	on Contracts:							
71.0402		\$0	\$286,923	\$637,802	12,788	\$610,200	\$1,534,925	9.57%
71.0822		\$0	\$0	\$0	0	\$8,000,000	\$8,000,000	49.90%
72.0000		\$0	\$0	\$100,296	1,877	\$813,000	\$913,296	5.70%
73.0000	Electrical / Control Construction	\$0	\$0	\$26,443	499	\$0	\$26,443	0.16%
78.0000	Service Contracts & Construction Indirects	\$0	\$114,614	\$167,224	3,664	\$361,875	\$643,713	4.02%
	Subtotal Construction Contracts:	\$0	\$401,537	\$931,765	18,828	\$9,785,075	\$11,118,376	69.35%
	Total Direct Costs	\$211,182	\$406,637	\$931,765	18,828	\$9,785,075	\$11,334,658	70.70%
Indirect Co	sts:							
99.1100		\$0	\$0	\$615,000	15,000	\$913,890	\$1,528,890	9.54%
99.1200	Construction Management (With G&A)	\$0	\$2,212	\$184,197	4,029	\$248,067	\$434,476	2.71%
99.1500	Project Insurance	\$0	\$0	\$0	0	\$224,510	\$224,510	1.40%
99.1600		\$0	\$0	\$0	0	\$96,219	\$96,219	0.60%
99.1900		\$0	\$1,668	\$0	0	\$0	\$1,668	0.01%
99.2500	Project Contingency 10%	\$0	\$0	\$0	0	\$1,362,042	\$1,362,042	8.50%
99.2600	EPC profit	\$0	\$0	\$0	0	\$1,050,000	\$1,050,000	6.55%
	Total Indirect Costs	\$0	\$3,881	\$799,197	19,029	\$3,894,727	\$4,697,805	29.30%
	Total Committee (Amellocate) EPO Comite Co.	****	\$440.510	#4 700 oct		040.070.000	\$40.000.100	400.000
	Total Overnight (April 2011) EPC Capital Costs:	\$211,182	\$410,518	\$1,730,961	37,857	\$13,679,802	\$16,032,463	100.00%

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

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

CURRENCY: BLACK AND VEATCH CONFIDENTIAL AND PROPRIETARY INFORMATION

		PROJECT - TOTAL COSTS						
Contract		Engr Equip	Commodities					% OF
Number	Description	Material \$	Material \$	Labor \$	Manhours	Other	TOTAL \$	TOTAL C.V.
Civil / Strue	ctural Purchase Contracts:							
	Subtotal - Civil / Structural Purchase Contracts:	\$0	\$0	\$0	0	\$0	\$0	0.00%
Mechanica	I Purchase Contracts:	\$0	\$0	\$0	0	\$0		
66.1000	Piping and Tubing	\$59,182	\$0	\$0	0	\$0	\$59,182	0.37%
	Subtotal - Mechanical Purchase Contracts:	\$59,182	\$0	\$0	0	\$0	\$59,182	0.37%
Electrical F	Purchase Contracts:	\$0	\$0	\$0	0	\$0		
63.0802	Cable and Raceway	\$0	\$5,100	\$0	0	\$0	\$5,100	0.03%
63.3603	Switchgear & MCCs	\$152,000	\$0	\$0	0	\$0	\$152,000	0.95%
	Subtotal - Electrical Purchase Contracts:	\$152,000	\$5,100	\$0	0	\$0	\$157,100	0.98%
Control Pu	rchase Contracts:	\$0	\$0	\$0	0	\$0		
	Subtotal - Control Purchase Contracts:	\$0	\$0	\$0	0	\$0	\$0	0.00%
Chemical F	Purchase Contracts:	\$0	\$0	\$0	0	\$0		
	Subtotal - Chemical Purchase Contracts:	\$0	\$0	\$0	0	\$0	\$0	0.00%
	Subtotal Purchase Contracts:	\$211,182	\$5,100	\$0	0	\$0	\$216,282	1.35%

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LOCATION:
PLANT TYPE:
CLIENT:
PARTNER:

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

CURRENCY: BLACK AND VEATCH CONFIDENTIAL AND PROPRIETARY INFORMATION

		PROJECT - TOTAL COSTS						
Contract		Engr Equip	Commodities					% OF
Number	Description	3 1.1						TOTAL C.V.
		Material \$	Material \$	Labor \$	Manhours	Other	TOTAL \$	
•							•	
Civil / Struc	ctural Construction Contracts:	\$0	\$0	\$0	0	\$0		
71.0401	Cast In place Piling	\$0	\$0	\$0	0	\$609.000	\$609.000	3.80%
71.0402	General Construction - Substructures	\$0	\$286,923	\$637,802	12,788	\$1,200	\$925,925	5.78%
71.0822	Ash Storage Silo	\$0	\$0	\$0	0	\$8,000,000	\$8,000,000	49.90%
	Subtotal - Civil / Structural Construction Contracts:	\$0	\$286,923	\$637,802	12,788	\$8,610,200	\$9,534,925	59.47%
Mechanical	Construction Contracts:	\$0	\$0	\$0	0	\$0		
72.0800	Fire Protection & Detection Systems	\$0	\$0	\$0	0	\$813,000	\$813,000	5.07%
12.0000	Subtotal - Mechanical Construction Contracts:	\$0	\$0	\$100,296	1,877	\$813,000	\$913,296	5.70%
Electrical /	Control Construction Contracts:	\$0	\$0	\$0	0	\$0		
		·	•				COC 440	0.400/
73.0201	Electrical Equipment Erection	\$0	\$0	\$26,443	499	\$0	\$26,443	0.16%
	Subtotal - Electrical / Control Construction Contracts:	\$0	\$0	\$26,443	499	\$0	\$26,443	0.16%
Construction	on Indirects & Service Contracts:	\$0	\$0	\$0	0	\$0		
78.0000	Service Contracts & Construction Indirects	\$0	\$114,614	\$167,224	3,664	\$350,875	\$632,713	3.95%
78.4000	Warranty	\$0	\$0	\$0	0	\$11,000	\$11,000	0.07%
	Subtotal - Construction Indirects & Service Contracts:	\$0	\$114,614	\$167,224	3,664	\$361,875	\$643,713	4.02%
	Subtotal - Construction Costs:	\$0	\$401,537	\$931,765	18,828	\$9,785,075	\$11,118,376	69.35%
	Subtotal - Direct Costs:	\$211,182	\$406,637	\$931,765	18,828	\$9,785,075	\$11,334,658	70.70%
Indirect Cos	sts:	\$0	\$0	\$0	0	\$0		
99.1100	Engineering Costs (Includes G&A & Fee)	\$0	\$0	\$615.000	15,000	\$913.890	\$1,528,890	9.54%
99.1200	EPC Construction Management (Includes G&A & Fee)	\$0	\$2,212	\$184,197	4,029	\$248,067	\$434,476	2.71%
99.1500	Project Insurance	\$0	\$0	\$0	0	\$224,510	\$224,510	1.40%
99.1600	Performance Bond	\$0	\$0	\$0	0	\$96,219	\$96,219	0.60%
99.1900	Sales Tax 6% of Indirect materials and Services	\$0	\$1,668	\$0	0	\$0	\$1,668	0.01%
99.2500	Project Contingency	\$0	\$0	\$0	0	\$1,362,042	\$1,362,042	8.50%
99.2600	EPC Profit	\$0	\$0	\$0	0	\$1,050,000	\$1,050,000	6.55%
	Subtotal - Indirect Costs:	\$0	\$3,881	\$799,197	19,029	\$3,894,727	\$4,697,805	29.30%
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