

February 1, 1999

Mr. Frank DeBacker Vice President - Fuel & Purchased Power Utilicorp United 10750 East 350 Highway Kansas City, Missouri 64138

Report on the Evaluation of Power Supply Proposals

Mr. DeBacker:

This letter summarizes the results of Burns & McDonnell's evaluation of power supply proposals. UtiliCorp United (UCU) provided the proposals and updated offers from Houston Industries (HI) and Merchant Energy Partners (MEP).

The objective of the evaluation was to verify that the information from the proposals had been accurately input into the model. The evaluation was also performed to determine the power supply option which, when combined with UCU's existing resources, would result in the lowest total cost of power supply for UCU during the evaluation period of June 1, 2000 to May 31, 2005. The evaluation was performed using the RealTime production cost modeling software written by the Emelar Group and utilized the RealTime database of existing power supply resources provided by UCU.

Burns & McDonnell verified that the information provided by UCU had been correctly input into the model. Assumptions made in the evaluation of the offers were provided by UCU and included the natural gas price forecasts, spot energy market price forecasts, and energy sales price forecasts. Burns & McDonnell has reviewed these assumptions and determined that they are reasonable.

The results of the RealTime modeling are shown on the attached tables. Both proposals were modeled under a base, low, and high gas price forecast and a base, low, and high energy market price forecast. All cases were run with and without the sale of energy not required by UCU. The energy to be sold could be provided by any available resources in each case modeled.

As shown in the tables, the total expenses of the two proposals were very similar across all of the cases run. The NPV of total costs for the MEP option is slightly less than the HI option in all but one case. The HI proposal was less expensive in the case involving the base gas price forecast, low market energy prices, and no off-system sales.



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We appreciate the opportunity to be of service to Utilicorp United. We would also like to express our appreciation for the cooperation we received from you and Mr. Roger Parkes during the evaluation process. If there are any aspects of the analyses that you wish to discuss, please do not hesitate to call us.

Sincerely,

James M. Flucke, P.E.

Project Manager

Missouri Power Supply Bid Comparison 6/1/2000 - 5/31/2005 \$x1,000

		Annual Cost \$x1,000					NPV
	From>	Jun-00	Jun-01	Jun-02	Jun-03	Jun-04	Jun-00
	To>	May-01	May-02	May-03	May-04	May-05	May-05
Without Off System Sa	les						
Base Gas & Mkt Merchant Energy Partners		108,388	130,053	135,381	143,952	154,103	530,017
Houston Industries		108,388	129,074	136,181	145,432	156,081	532,248
Low Gas & Mkt Merchant Energy Partners		107,201	128,131	133,679	141,514	150,536	521,700
Houston Industries		107,201	127,071	133,707	142,439	152,179	522,611
							•
High Gas & Mkt Merchant Energy Partners		109,286	131,741	136,817	145,969	157,239	537,054
Houston Industries		109,287	130,352	138,055	147,781	159,531	539,738
Base Gas & High Mkt Merchant Energy Partners		109,286	131,611	136,202	144,902	155,416	534,428
Houston Industries		109,287	130,372	137,863	147,227	158,542	538,522
Base Gas & Low Mkt Merchant Energy Partners		107,201	128,216	134,081	142,533	152,026	523,854
Houston Industries		107,201	127,093	133,884	142,788	152,650	523,348
With Off System Sales Base Gas & Mkt							•
Merchant Energy Partners		104,398	124,280	125,783	135,176	145,695	501,582
Houston Industries		104,496	123,971	132,218	141,965	152,742	516,301
Low Gas & Mkt Merchant Energy Partners		104,900	124,198	127,032	135,426	144,548	502,371
Houston Industries		105,051	123,833	131,134	140,080	149,887	512,508
				•	·		
High Gas & Mkt Merchant Energy Partners		103,334	123,486	123,798	134,399	146,379	498,234
Houston Industries		103,366	122,870	132,193	143,092	155,022	516,671
Base Gas & High Mkt Merchant Energy Partners		103,334	123,245	122,774	132,659	143,683	494,100
Houston Industries		103,366	122,768	131,681	142,090	153,522	514,421
		•	•				
Base Gas & Low Mkt Merchant Energy Partners		104,900	124,319	127,710	136,885	146,458	505,385
Houston Industries		105,051	123,918	131,452	140,701	150,685	513,833

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Merchant Energy Partners Annual Ownership and Operating Cost \$x1,000

	Annual Fixed Cost						
From>	Jun-00	Jun-01	Jun-02	Jun-03	Jun-04		
To>	May-01	May-02	May-03	May-04	May-05		
A weille Occasión Daymant	4 966		•				
Aquila Capacity Payment	4,866	17,696	27,660	27,660	27,660		
MEP Capacity Payment SEC Capacity Payment	7,566	6,693	27,000	27,000	27,000		
Union Electric Capacity Payment	7,176	0,000					
Long Term Peaking Capacity Cost	7,170						
Short Term Peaking Capacity Cost				2,837	6,397		
Gas Reservation Cost		6,890	6,890	6,890	6,890		
340 () 350 () 340 ()		•	•				
Total Fixed Costs	19,608	31,279	34,550	37,387	40,947		
		Total Annual Supply Cost					
		Total All	ilidai Ouppiy	COSL			
Without Off System Sales							
MWh \$ w/Base Gas & Mkt	88,779	98,774	100,831	106,565	113,157		
Total Cost	108,388	130,053	135,381	143,952	154,103		
MWh \$ w/Low Gas & Mkt	87,592	96,852	99,129	104,127	109,589		
Total Cost	107,201	128,131	133,679	141,514	150,536		
	•						
MWh \$ w/ High Gas & Mkt	89,678	100,462	102,267	108,582	116,293		
Total Cost	109,286	131,741	136,817	145,969	157,239		
, 5.12.		•		•			
MWh \$ w/Base Gas & High Mkt	89,678	100,332	101,652	107,515	114,469		
Total Cost	109,286	131,611	136,202	144,902	155,416		
MWh \$ w/Base Gas & Low Mkt	87,592	96,937	99,531	105,146	111,079		
Total Cost	107,201	128,216	134,081	142,533	152,026		
145H 255 200 - 100							
With Off System Sales MWh \$ w/Base Gas & Mkt	84,789	93,001	91,233	97,790	104,748		
Total Cost	104,398	124,280	125,783	135,176	145,695		
Total Cost	104,000	12 1,200	.20,.00	,	,		
MWh \$ w/Low Gas & Mkt	85,292	92,919	92,482	98,040	103,601		
Total Cost	104,900	124,198	127,032	135,426	144,548		
	•						
MWh \$ w/ High Gas & Mkt	83,725	92,207	89,248	97,012	105,433		
Total Cost	103,334	123,486	123,798	134,399	146,379		
MWh \$ w/Base Gas & High Mkt	83,725	91,966	88,224	95,272	102,736		
Total Cost	103,334	123,245	122,774	132,659	143,683		
		00.040	00.400	00.400	405 544		
MWh \$ w/Base Gas & Low Mkt	85,292	93,040	93,160	99,498	105,511		
Total Cost	104,900	124,319	127,710	136,885	146,458		

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Houston Industries Annual Ownership and Operating Cost \$x1,000

		Annual Fixed Cost				
From>	Jun-00	Jun-01	Jun-02	 Jun-03	Jun-04	
To>	May-01	May-02	May-03	May-04	May-05	
Houston Capacity Payment		23,576	23,576	23,576	23,576	
Aquila Capacity Payment	4,866					
SEC Capacity Payment	7,566					
Union Electric Capacity Payment	7,176					
Long Term Peaking Capacity Cost	·					
Short Term Peaking Capacity Cost				2,837	6,397	
Gas Reservation Cost		8,755	8,755	8,755	8,755	
Total Fixed Costs	19,608	32,331	32,331	35,168	38,728	
		Total Annual Supply Cost				
Without Off System Sales						
MWh \$ w/Base Gas & Mkt	88,780	96,743	103,850	110,264	117,353	
Total Cost	108,388	129,074	136,181	145,432	156,081	
MWh \$ w/Low Gas & Mkt	87,592	94,740	101,375	107,271	113,451	
Total Cost	107,201	127,071	133,707	142,439	152,179	
MWh \$ w/ High Gas & Mkt	89,678	98,021	105,724	112,613	120,803	
Total Cost	109,287	130,352	138,055	147,781	159,531	
MWh \$ w/Base Gas & High Mkt	89,678	98,041	105,531	112,059	119,814	
Total Cost	109,287	130,372	137,863	147,227	158,542	
MWh \$ w/Base Gas & Low Mkt	87,592	94,761	101,553	107,620	113,922	
Total Cost	107,201	127,093	133,884	142,788	152,650	
					•	
With Off System Sales	84,888	91,639	99,886	106,797	114,014	
MWh \$ w/Base Gas & Mkt	104,496	123,971	132,218	141,965	152,742	
Total Cost	104,490	125,571	132,210	141,000	102,172	
MWh \$ w/Low Gas & Mkt	85,442	91,501	98,802	104,912	111,159	
Total Cost	105,051	123,833	131,134	140,080	149,887	
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MWh \$ w/ High Gas & Mkt	83,757	90,539	99,861	107,924	116,293	
Total Cost	103,366	122,870	132,193	143,092	155,022	
MWh \$ w/Base Gas & High Mkt	83,757	90,437	99,349	106,922	114,794	
Total Cost	103,366	122,768	131,681	142,090	153,522	
MWh \$ w/Base Gas & Low Mkt	85,442	91,587	99,120	105,533	111,957	
Total Cost	105,051	123,918	131,452	140,701	150,685	

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