



Aquila

1815 Capitol Avenue  
Omaha, NE 68102  
402-221-2091

October 30, 2003

Mr. Dale Hardy Roberts, Secretary/Chief Regulatory Law Judge  
Missouri Public Service Commission  
200 Madison St  
Jefferson City, MO 65102

**FILED<sup>3</sup>**

**OCT 31 2003**

**Missouri Public  
Service Commission**

RE: Case No. GR-2003-0369

Dear Mr. Roberts:

Enclosed are an original and three copies of PSC MO. No. 4, 59th Revised Sheet No. 9.4 reflecting a change in the Purchased Gas Adjustment, Actual Cost Adjustment, Transition Cost Factor and Deferred Carrying Cost Balance of the Aquila Inc. d/b/a Aquila Networks – L&P Purchased Gas Adjustment Clause.

The Purchased Gas Adjustment Clause for Aquila Inc., d/b/a Aquila Networks – L&P requires an annual actual cost adjustment for the over recovery or under recovery resulting from the operation of the Regular Purchased Gas Adjustment section of the Purchased Gas Adjustment Clause and a calculation of the Winter Period Purchased Gas Adjustment. Reconciliations for the Transition Cost Factors and Deferred Carrying Cost Balance are also required.

#### **Purchased Gas Adjustment**

Enclosures 1 reflect the Purchased Gas Adjustment (PGA) calculations for Aquila Networks – L&P. The PGA has been developed using the October 2003 FERC index and storage for the months of November 2003 through March 2004. The tariff rate changes for are based on the ANR filings of their FERC Gas Tariffs, Sixth Revised Sheet No. 6 and Thirty-Sixth Revised Sheet No. 17.

#### **Actual Cost Adjustment**

Enclosed as Enclosure 2 are minimum filing requirement schedules that are the basis of the Actual Cost Adjustment portion of this filing. Schedule 4 of Enclosure 2 is a summary showing revenue, purchased gas costs, and over or under recovery for the year

ended August 2003 and the proposed changes in the ACA rates to be effective November 14, 2003. Detailed supporting workpapers are available for the Commission Staff audit.

The summary schedule shows that revenue recovery was less than purchased gas cost in the amount of \$636,060.69.

**Deferred Carrying Cost Balance**

Enclosure 3 reflects the Deferred Carrying Cost Balances for Aquila Networks – L&P. Carrying costs are calculated on all Deferred Carrying Cost Balances that exceed ten percent of an average annual gas cost threshold. This results in carrying costs collected from the customer in the amount of (\$4,283.00).

Enclosed as Enclosure 4 is the calculation of the Transition Cost factor.

Enclosed as Enclosure 5 is the Prior Period Adjustment Summary for Aquila Networks – L&P.

Enclosure 6 reflects the seasonal revenue impact associated with the gas cost recovery portion of the rates. The seasonal revenue impact results in an increase in the amount of \$380,341.00 or 61.01%.

Aquila Inc. d/b/a Aquila Networks – L&P respectfully requests that these rates become effective with volumes taken on and after November 14, 2003

Sincerely,



Amy Winkler  
Regulatory Analyst

Enclosures

cc: Office of the Public Counsel (2)

## STATE OF MISSOURI, PUBLIC SERVICE COMMISSION

P.S.C. MO. No.	<u>4</u>	<u>59<sup>th</sup></u>	Original	Sheet No.	<u>9.4</u>
			Revised		
Cancelling P.S.C. MO. No.	<u>4</u>	<u>58<sup>th</sup></u>	Original	Sheet No.	<u>9.4</u>
			Revised		

Aquila Inc., d/b/a Aquila Networks-L&P  
KANSAS CITY, MO 64138

FOR: All Territory Served by St. Joseph Light & Power

<p align="center"><b>PURCHASED GAS ADJUSTMENT CLAUSE NATURAL GAS</b></p>
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PGA ADJUSTMENT SHEET

As provided in Sheet No's. 8 through 9.33 of the Purchased Gas Adjustment Clause, the following adjustments in dollars (\$) per Ccf will become effective on the effective date of this tariff.

	<u>RPGA</u>	<u>ACA</u>	<u>Refund</u>	<u>TOP&lt;&gt;</u>	<u>TC&lt;&gt;</u>	<u>TOTAL</u>
	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>PGA</u>
*	0.59904	0.08741	0.0000	0.0000	0.0033	0.68975

<> Schedule 971 customers will be billed the TOP factor and the TC factor listed above for all volumes transported.

\*indicates new rate or text  
+indicates change

DATE OF ISSUE: October 30, 2003  
ISSUED BY: Steven M. Jurek, Regulatory Services

EFFECTIVE DATE: November 14, 2003

Aquila Inc., d/b/a Aquila Networks - L&P  
Annualized Gas Cost Calculation  
To Reflect Current ANR & Spot Market Rates

Enclosure 1

Page 1 of 4

FIRM	Annual/ Seasonal Volume	Monthly Capacity Reserved	No. of Mths Reserved	Tariff Rate	Annual Cost
SJLP Transportation Cost per MCF					<b>\$0.9284</b>
Spot Market Purchases	727,647			\$5.0620	\$3,683,349
Season Budget	<u>727,647</u>				
Cost per MCF at Burnertip					<b>\$5.0620</b>
Winter PGA					
Total Cost per MCF at Burnertip					<b>\$5.9904</b>
Highest WACOG (Winter Period)		Nov 00 - March 01 \$6.2600	Nov 01 - March 02 \$2.3829	Nov 02 - March 03 \$6.0983	Average WACOG \$4.9137
		Highest Avg WACOG-Winter Period (Avg of winter seasons with the highest of 3 averages)			\$5.5869
		October 2003 Gas Commodity Costs			\$5.5126

ANR RATES

Transport Charge	\$0.9223
ACA Charge	\$0.0021
GRI Charge	\$0.0040
Volumetric Charge	\$0.0000
Rate Adjustment	\$0.0000
Transport Use Fee	3.90%
Storage Use Fee	2.16%
	\$0.9284

Note: From FERC Gas Tariff: ANR Sixth Revised Sheet No. 6 Effective 11/01/97 , Thirty-Sixth Revised Sheet No. 17 Effective 06/01/03.

Annual Throughput 727,647

Season Budget (Dth)

Jan	142,115
Feb	111,858
Mar	88,142
Apr	63,306
May	8,420
Jun	10,375
Jul	15,422
Aug	17,267
Sep	12,574
Oct	40,886
Nov	87,673
Dec	129,609
TOTAL	727,647

	<u>Nov-03</u>	<u>Dec-03</u>	<u>Jan-04</u>	<u>Feb-04</u>	<u>Mar-04</u>	<u>Totals</u>
<b>SUMMARY OF COMMODITY COSTS</b>						
Purchase Requirements	87,497	128,457	142,019	116,181	88,727	562,881
Storage Withdrawal	52,725	105,450	105,450	102,148	52,725	418,498
Storage WACOG	\$ 5.1700	\$ 5.1700	\$ 5.1700	\$ 5.1700	\$ 5.1700	
Total Cost	\$ 272,588	\$ 545,177	\$ 545,177	\$ 528,105	\$ 272,588	\$ 2,163,635
Purchase Requirements minus Storage	34,772	23,007	36,569	14,033	36,002	144,383
Contract 99722	16,703	11,618	16,094	4,788	15,694	64,896
Group 1 ANR Fuel %	2.46%	2.46%	2.46%	2.46%	2.46%	
	17,124	11,911	16,499	4,908	16,090	66,532
Contract 99723	18,069	11,389	20,475	9,245	20,308	79,487
Group 2 Fuel %	3.61%	3.61%	3.61%	3.61%	3.61%	
	18,746	11,816	21,242	9,592	21,068	82,464
Purchases minus Storage with Fuel	35,870	23,727	37,741	14,500	37,158	148,996
Contracted Fixed Price Supply	0	0	0	0	0	0
Contracted Price	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Cost	\$ -	\$ -	\$ -	\$ -	\$ -	0
(Contracted Fixed Price Supply only applies in the winter months.)						
Contracted Seasonal Price Supply	15,000	15,500	15,500	14,500	15,500	76,000
Contracted Price	\$ 4.298	\$ 4.518	\$ 4.778	\$ 4.803	\$ 4.708	
Total Cost	\$ 64,463	\$ 70,021	\$ 74,051	\$ 69,636	\$ 72,966	351,137
Total Supply	20,870	8,227	22,241	0	21,658	72,996
Forecasted Price (NYMEX-ANR Basis)*	\$ 4.290	\$ 4.510	\$ 4.770	\$ 4.795	\$ 4.700	
Total Cost	\$ 89,532	\$ 37,104	\$ 106,090	\$ -	\$ 101,793	\$ 334,519
<u>Forecasted Gas Commodity Cost</u>	426,583	652,302	725,318	597,741	447,347	2,849,291
<u>Forecasted Sales Gas Quantity</u>	87,497	128,457	142,019	116,181	88,727	562,881

Gas Cost (Commodity) Dth**\$5.0620**

**Aquila Inc., d/b/a Aquila Networks - L&P**  
**Gas Commodity Cost Calculation**

**Enclosure 1**  
Page 4 of 4

INSIDE FERC OCT 03	\$	4.31
Group 1 ANR Fuel %		2.46%
Group 2 ANR Fuel %		3.61%
ANR Index Adjusted for Fuel	\$	4.5842
Transport Charge		\$0.9223
ACA Charge		\$0.0021
GRI Charge		<u>\$0.0040</u>
		\$5.5126

**MISSOURI PUBLIC SERVICE  
SCHEDULE 2 - SPOT MARKET GAS PURCHASES  
BY USAGE MONTH FOR ST. JOSEPH LIGHT & POWER**

SUPPLIER	INVOICE NO.	USAGE MONTH	MONTH BOOKED	MMBTU	RATE	COST	OTHER CHARGES	TOTAL SYS. SUPPLY	FIRM PORTION	INTERRUPT. PORTION	STORAGE MMBTU	TOTAL STORAGE	TOTAL MONTH
ENSERCO	5800	SEPTEMBER 2002	OCTOBER 2002	73,500	2.9550	217,192.50	0.00	217,192.50	217,192.50	0.00			
TENASKA	200109-0102	SEPTEMBER 2002	OCTOBER 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00			
ANR #99722 SYSTEM SUPPLY TRANS.	300155	SEPTEMBER 2002	OCTOBER 2002	0	0.0000	0.00	18,851.57	18,851.57	18,851.57	0.00			
ANR #99723 SYSTEM SUPPLY TRANS.	300155	SEPTEMBER 2002	OCTOBER 2002	0	0.0000	0.00	46,884.90	46,884.90	46,884.90	0.00			
ANR STORAGE TRANS.		SEPTEMBER 2002	OCTOBER 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	(63,450)	(187,494.75)	
IMBALANCE	VARIOUS	SEPTEMBER 2002	OCTOBER 2002	8,988	0.0000	26,559.54	0.00	26,559.54	26,559.54	0.00			121,983.78
CONCORD ENERGY	1066	OCTOBER 2002	NOVEMBER 2002	74,389	3.3000	245,483.70	0.00	245,483.70	245,483.70	0.00			
ANR #99722 SYSTEM SUPPLY TRANS.	300445	OCTOBER 2002	NOVEMBER 2002	0	0.0000	0.00	26,615.80	26,615.80	26,615.80	0.00			
ANR #99723 SYSTEM SUPPLY TRANS.	300445	OCTOBER 2002	NOVEMBER 2002	0	0.0000	0.00	40,354.37	40,354.37	40,354.37	0.00			
ANR STORAGE TRANS.		OCTOBER 2002	NOVEMBER 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	(8,370)	(27,621.00)	
IMBALANCE	VARIOUS	OCTOBER 2002	NOVEMBER 2002	0	0.0000	(24,119.70)	0.00	(24,119.70)	(24,119.70)	0.00			260,713.17
WESCO	5402117039	NOVEMBER 2002	DECEMBER 2002	15,000	4.0625	60,937.50	0.00	60,937.50	60,937.50	0.00			
UBS	151SA	NOVEMBER 2002	DECEMBER 2002	45,000	4.0750	183,375.00	0.00	183,375.00	183,375.00	0.00			
ANR #99722 SYSTEM SUPPLY TRANS.	300773	NOVEMBER 2002	DECEMBER 2002	0	0.0000	0.00	13,662.05	13,662.05	13,662.05	0.00			
ANR #99723 SYSTEM SUPPLY TRANS.	300773	NOVEMBER 2002	DECEMBER 2002	0	0.0000	0.00	40,468.22	40,468.22	40,468.22	0.00			
ANR STORAGE TRANS.		NOVEMBER 2002	DECEMBER 2002	0	0.0000	0.00	0.00	0.00	0.00	0.00	34,628	113,681.46	
IMBALANCE	VARIOUS	NOVEMBER 2002	DECEMBER 2002	264	4.0719	1,074.98	0.00	1,074.98	1,074.98	0.00			413,199.21
UBS	188SA	DECEMBER 2002	JANUARY 2003	15,500	4.0250	62,387.50	0.00	62,387.50	62,387.50	0.00			
WESCO	5402117287	DECEMBER 2002	JANUARY 2003	15,500	4.0125	62,193.75	0.00	62,193.75	62,193.75	0.00			
ANR #99722 SYSTEM SUPPLY TRANS.	301148	DECEMBER 2002	JANUARY 2003	0	0.0000	0.00	14,117.45	14,117.45	14,117.45	0.00			
ANR #99723 SYSTEM SUPPLY TRANS.	301148	DECEMBER 2002	JANUARY 2003	0	0.0000	0.00	13,943.87	13,943.87	13,943.87	0.00			
ANR STORAGE TRANS.		DECEMBER 2002	JANUARY 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00	82,450	270,677.96	
IMBALANCE	VARIOUS	DECEMBER 2002	JANUARY 2003	264	4.0188	1,060.95	0.00	1,060.95	1,060.95	0.00			424,381.48
WESCO	32481	JANUARY 2003	FEBRUARY 2003	15,500	4.6225	71,648.75	0.00	71,648.75	71,648.75	0.00			
ANR #99722 SYSTEM SUPPLY TRANS.	301451	JANUARY 2003	FEBRUARY 2003	0	0.0000	0.00	8,450.82	8,450.82	8,450.82	0.00			
ANR #99723 SYSTEM SUPPLY TRANS.	301451	JANUARY 2003	FEBRUARY 2003	0	0.0000	0.00	5,566.58	5,566.58	5,566.58	0.00			
ANR STORAGE TRANS.		JANUARY 2003	FEBRUARY 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00	143,974	472,657.22	
IMBALANCE	VARIOUS	JANUARY 2003	FEBRUARY 2003	(6,127)	4.6223	(28,321.13)	0.00	(28,321.13)	(28,321.13)	0.00			530,002.24
WESCO	5402117694	FEBRUARY 2003	MARCH 2003	14,000	5.1178	71,648.75	0.00	71,648.75	71,648.75	0.00			
UBS WARBURG	246SA	FEBRUARY 2003	MARCH 2003	28,000	2.5613	71,715.00	0.00	71,715.00	71,715.00	0.00			
ANR #99722 SYSTEM SUPPLY TRANS.	301800	FEBRUARY 2003	MARCH 2003	0	0.0000	0.00	37,956.60	37,956.60	37,956.60	0.00			
ANR #99723 SYSTEM SUPPLY TRANS.	301800	FEBRUARY 2003	MARCH 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00			
ANR STORAGE TRANS.		FEBRUARY 2003	MARCH 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00	92,983	304,863.15	
IMBALANCE	VARIOUS	FEBRUARY 2003	MARCH 2003	(449)	3.4134	(1,532.63)	0.00	(1,532.63)	(1,532.63)	0.00			484,650.87



**MISSOURI PUBLIC SERVICE  
SCHEDULE 2 - SPOT MARKET GAS PURCHASES  
BY USAGE MONTH FOR ST. JOSEPH LIGHT & POWER**

SUPPLIER	INVOICE NO.	USAGE MONTH	MONTH BOOKED	MMBTU	RATE	COST	OTHER CHARGES	TOTAL SYS. SUPPLY	FIRM PORTION	INTERRUPT. PORTION	STORAGE MMBTU	TOTAL STORAGE	TOTAL MONTH
WESCO	33258	MARCH 2003	APRIL 2003	15,500	8.6625	134,268.75	0.00	134,268.75	134,268.75	0.00			
TENASKA	200303-0987	MARCH 2003	APRIL 2003	40,300	8.3000	334,490.00	0.00	334,490.00	334,490.00	0.00			
BP ENERGY	1048625	MARCH 2003	APRIL 2003	61,183	8.7100	532,903.93	0.00	532,903.93	532,903.93	0.00			
ANR #99722 SYSTEM SUPPLY TRANS.	302134	MARCH 2003	APRIL 2003	0	0.0000	0.00	44,426.60	44,426.60	44,426.60	0.00			
ANR #99723 SYSTEM SUPPLY TRANS.	302134	MARCH 2003	APRIL 2003	0	0.0000	0.00	60,605.33	60,605.33	60,605.33	0.00			
ANR STORAGE TRANS.		MARCH 2003	APRIL 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00	(15,233)	(166,943.43)	
IMBALANCE	VARIOUS	MARCH 2003	APRIL 2003	(551)	8.5625	(4,717.92)	0.00	(4,717.92)	(4,717.92)	0.00			935,033.26
BP ENERGY	1050419	APRIL 2003	MAY 2003	87,474	4.7950	419,437.83	0.00	419,437.83	419,437.83	0.00			
UBS WARBURG PPA 02/03	246SA	FEBRUARY 2003	MAY 2003	0	0.0000	71,645.00	0.00	71,645.00	71,645.00	0.00			
ANR #99722 SYSTEM SUPPLY TRANS.	302451	APRIL 2003	MAY 2003	0	0.0000	0.00	36,916.41	36,916.41	36,916.41	0.00			
ANR #99723 SYSTEM SUPPLY TRANS.	302451	APRIL 2003	MAY 2003	0	0.0000	0.00	41,639.12	41,639.12	41,639.12	0.00			
ANR STORAGE TRANS.		APRIL 2003	MAY 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00	(31,807)	(174,265.41)	
IMBALANCE	VARIOUS	APRIL 2003	MAY 2003	(6,907)	5.6139	(38,775.07)	0.00	(38,775.07)	(38,775.07)	0.00			356,597.88
BP ENERGY	1052316	MAY 2003	JUNE 2003	77,500	4.8800	378,200.00	0.00	378,200.00	378,200.00	0.00			
ANR #99722 SYSTEM SUPPLY TRANS.	302778	MAY 2003	JUNE 2003	0	0.0000	0.00	27,798.49	27,798.49	27,798.49	0.00			
ANR #99723 SYSTEM SUPPLY TRANS.	302778	MAY 2003	JUNE 2003	0	0.0000	0.00	41,616.79	41,616.79	41,616.79	0.00			
ANR STORAGE TRANS.		MAY 2003	JUNE 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00	(49,455)	(241,340.40)	
IMBALANCE	VARIOUS	MAY 2003	JUNE 2003	(49,455)	(1.2850)	63,548.61	0.00	63,548.61	63,548.61	0.00			269,823.49
BP ENERGY	1054152	JUNE 2003	JULY 2003	80,912	5.585	451,893.52	0.00	451,893.52	451,893.52	0.00			
ANR #99722 SYSTEM SUPPLY TRANS.	303082	JUNE 2003	JULY 2003	0	0.0000	0.00	29,547.64	29,547.64	29,547.64	0.00			
ANR #99723 SYSTEM SUPPLY TRANS.	303082	JUNE 2003	JULY 2003	0	0.0000	0.00	42,870.04	42,870.04	42,870.04	0.00			
ANR STORAGE TRANS.		JUNE 2003	JULY 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00	(57,325)	(320,160.13)	
ANR STORAGE TRANS. PPA ADJ. CURRENT BAL.		JUNE 2003	JULY 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00	0	95.27	204,246.34
BP ENERGY	1056310	JULY 2003	AUGUST 2003	73,300	5.1500	377,495.00	0	377,495.00	377,495.00	0.00			
WESCO PPA 02/03	5402117694	JULY 2003	AUGUST 2003	0	0.0000	66.25	0	66.25	66.25	0.00			
ANR #99722 SYSTEM SUPPLY TRANS.	303331	JULY 2003	AUGUST 2003	0	0.0000	0.00	33,429.78	33,429.78	33,429.78	0.00			
ANR #99722 SYSTEM SUPPLY TRANS. PPA 06/03	303082	JUNE 2003	AUGUST 2003	0	0.0000	0.00	(12.70)	(12.70)	(12.70)	0.00			
ANR #99723 SYSTEM SUPPLY TRANS.	303331	JULY 2003	AUGUST 2003	0	0.0000	0.00	32,106.39	32,106.39	32,106.39	0.00			
ANR #99723 SYSTEM SUPPLY TRANS. PPA 06/03	303082	JUNE 2003	AUGUST 2003	0	0.0000	0.00	(18.43)	(18.43)	(18.43)	0.00			
ANR STORAGE TRANS.		JULY 2003	AUGUST 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00	(56,511)	(290,720.69)	
IMBALANCE	VARIOUS	JULY 2003	AUGUST 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00			152,345.60
BP ENERGY	1057918	AUGUST 2003	SEPTEMBER 2003	93,000	4.5800	424,080.00	0.00	424,080.00	424,080.00	0.00			
ANR #99722 SYSTEM SUPPLY TRANS.	303641	AUGUST 2003	SEPTEMBER 2003	0	0.0000	0.00	41,531.01	41,531.01	41,531.01	0.00			
ANR #99723 SYSTEM SUPPLY TRANS.	303641	AUGUST 2003	SEPTEMBER 2003	0	0.0000	0.00	41,539.38	41,539.38	41,539.38	0.00			
ANR STORAGE TRANS.		AUGUST 2003	SEPTEMBER 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00	(75,566)	(344,580.96)	
ANR STORAGE TRANS. 9/01-7/03 Process Change		AUGUST 2003	SEPTEMBER 2003	0	0.0000	0.00	0.00	0.00	0.00	0.00		(45,923.97)	
IMBALANCE	VARIOUS	AUGUST 2003	SEPTEMBER 2003	0	0.0000	30,269.90	0.00	30,269.90	30,269.90	0.00			146,915.36
				771,585.00		4,196,110.26	740,868.08	4,936,978.34	4,936,978.34	0.00	(3,802)	(637,075.68)	4,299,902.66

**ST. JOSEPH LIGHT & POWER  
CALCULATION OF  
NEW RECOVERY BALANCE  
2002-2003 ACA YEAR**

<u>Line</u>		SJLP		<u>Line</u>
		FIRM	INTERRUPT.	
1	ACA RECOVERY	22,871.02	0.00	1
2	REGULAR RECOVERY	3,528,931.46	0.00	2
3	TOTAL RECOVERY	3,551,802.48	0.00	3
	LESS:			
4	PURCHASED GAS COST PER BOOKS	4,936,978.34	0.00	4
5	STORAGE COSTS	(637,075.68)	0.00	5
6	TOTAL PURCHASED GAS COST PER BOOKS	4,299,902.66	0.00	6
7	GROSS RECOVERY	(748,100.19)	0.00	7
8	MISC PGA ADJUSTMENT	57.51	0.00	8
9	MISC ACA ADJUSTMENT	5.15		
10	STORAGE ADJ PER GR-2002-468	(1,637.25)		
11	IMBALANCE ADJ PER GR-2002-468	(22,914.91)	0.00	11
12	2002/2003 DCCB ADJUSTMENT	(4,283.00)		
13	REV. RECOVERY OVER/(UNDER) COST	(776,872.69)	0.00	13
14	BEGINNING ACA RECOVERY BALANCE SEPTEMBER 2002	140,812.00	0.00	14
15	ACA RECOVERY BALANCE SEPTEMBER 2003 PER BOOKS	(627,259.00)	0.00	15
16	LESS ACTUAL ACA RECOVERY 08/03 BOOKED 09/03	(853.88)	0.00	16
17	DCCB INTEREST ADJ CARRY OVER FROM SJLP	646.49	0.00	17
18	REFUND ADJ CARRY OVER FROM SJLP	2,028.06		
19	APRIL 2003 PGA ADJUSTMENT	(4,555.89)		
20	2002/2003 DCCB ADJUSTMENT	(4,283.00)		
21	ADJUSTING ENTRY FOR METHODOLOGY CHANGE	(3,491.23)		21
22	ENDING ACA RECOVERY BALANCE PER BOOKS	(636,060.69)	0.00	22
23	MCF SALES	727,647	0	23
24	CALCULATED ACA RATES FOR 11/XX/03 PER CCF	0.08741	0.00000	24
25	EFFECTIVE 11/15/02	(0.00067)	0.00000	25
26	CHANGE IN ACA RATE	0.08808	0.00000	26

**Aquila Inc., d/b/a Aquila Networks - L&P**  
**Estimated Deferred Carrying Cost Balance (DCCB) Calculation**  
**2002-2003 ACA Year**

<b>Annual Gas Cost Level</b>													
Gas Cost from Nov 02 ACA calculation	3,084,409												
Gas Cost from Nov 01 ACA calculation	5,546,786												
Gas Cost from Nov 00 ACA calculation	<u>2,480,747</u>												
<b>Average of 3 most recent gas cost calculations</b>	<b>3,703,980</b>												
10%													
<b>10% of average annual gas cost threshold</b>	<b>370,398</b>												
	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Total</u>
<b>Sales Volumes (in Mcf)</b>	16,443	22,614	68,298	102,135	131,466	142,312	122,740	67,287	39,629	19,490	18,369	15,578	766,360
<b>Cost of Gas Purchased and Produced</b>	121,994	260,713	413,285	424,381	530,002	484,851	935,033	356,598	269,823	204,246	152,346	146,915	4,299,988
<b>PGA - Estimated Annualized Unit Cost of Gas</b>	\$5.1076	\$5.0164	\$4.8948	\$4.3241	\$4.3090	\$4.3084	\$4.3080	\$4.2165	\$5.6683	\$6.0992	\$6.1011	\$6.1022	
<b>Actual Annualized Unit Cost of Gas</b>	<u>7.4193</u>	<u>11.5287</u>	<u>6.0512</u>	<u>4.1551</u>	<u>4.0315</u>	<u>3.4055</u>	<u>7.6180</u>	<u>5.2997</u>	<u>6.8088</u>	<u>10.4797</u>	<u>8.2938</u>	<u>9.4311</u>	
<b>Difference</b>	-2.3117	-6.5123	-1.1564	0.1690	0.2775	0.9028	-3.3100	-1.0832	-1.1405	-4.3805	-2.1927	-3.3289	
<b>Actual Sales Volumes</b>	16,443	22,614	68,298	102,135	131,466	142,312	122,740	67,287	39,629	19,490	18,369	15,578	
<b>DCCB Monthly Over/(Under) Recovery</b>	(38,010)	(147,271)	(78,982)	17,260	36,481	128,481	(406,271)	(72,883)	(45,195)	(85,374)	(40,277)	(51,856)	
<b>2002-03 DCCB Yr to Date Over/(Under) Recovery</b>	(38,010)	(185,281)	(264,263)	(247,003)	(210,521)	(82,040)	(488,311)	(561,194)	(606,389)	(691,763)	(732,041)	(783,897)	
<b>10% of average annual gas cost threshold</b>	370,398	370,398	370,398	370,398	370,398	370,398	370,398	370,398	370,398	370,398	370,398	370,398	
<b>Absolute Value Rcvry Bal that exceeds threshold</b>	-	-	-	-	-	-	117,913	190,796	235,991	321,365	361,643	413,499	
<b>Over/(Und) Rcvry Bal that exceeds 10% threshold</b>	-	-	-	-	-	-	(117,913)	(190,796)	(235,991)	(321,365)	(361,643)	(413,499)	
<b>Interest at Prime Rate - Wall Street Journal - 1%</b>	3.75%	3.75%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.00%	3.00%	
<b>Carrying Costs Refunded/(Collected)</b>	-	-	-	-	-	-	(319)	(517)	(639)	(870)	(904)	(1,034)	(4,283)
<b>DCCB Percent of Avg Annual Gas Costs</b>	-1.03%	-5.00%	-7.13%	-6.67%	-5.68%	-2.21%	-13.18%	-15.15%	-16.37%	-18.68%	-19.76%	-21.16%	

Note: The DCCB will become 0 at the beginning of each new ACA period (Sep).

Note: Shaded Area indicates estimate.

## Enclosure 4

Aquila Inc. d/b/a Aquila Networks - L&P  
Calculation of the TC factor (all communities)  
2002-2003 ACA Year

=====	=====
Net TC Balance (@ 8/31/03)	(\$1,351.00)
Estimated Recovery for Sep and Oct'03 (702,379 * .0042)	(\$2,949.99)
Estimated Charges for Sep and Oct'03	\$5,306.95
Estimated 12 Month Dakota Charges (Nov'03 -- Oct'04) (\$0.173 * 15,338 MDQ * 12 months)	\$31,841.69
Estimated 12 Month Acct 191 Charges(Nov'03--Oct'04) (12 months * \$0)	\$0.00
	=====
Total 12 Month TC Expense to be recovered	\$32,847.64
-----	-----
Estimated Annual Retail Sales Volumes (Ccf)	7,276,470
Estimated Annual Transportation Volumes (Ccf)	2,626,415
Total Volume for System	9,902,885
=====	=====
TC Factor (\$/Ccf)	\$0.0033
=====	=====

Missouri Public Service  
Prior Period Adjustment Summary  
2002-2003 ACA Year

Enclosure 5

St. Joseph Light & Power

Annual Gas Cost  
Level Adjustment  
Summary

Gas Cost from Nov 02 ACA calculation  
Adjustments:

3,084,409.10

No Prior Period Adjustments

Total Adjusted Gas Cost Nov 00 ACA

3,084,409.10

Gas Cost from Nov 01 ACA calculation  
Adjustments:

5,548,143.56

01/01 Tracker - 12/00 ANR Transportation PPA

(1,357.75)

Total Adjusted Gas Cost Nov 00 ACA

5,546,785.81

Gas Cost from Nov 00 ACA calculation

2,480,746.54

## Enclosure 6

### Aquila Inc., d/b/a Aquila Networks - L&P 2002-2003 Winter Season Revenue Impact

#### Original Calculation Filed

Month	PGA Factor	Month	PGA Factor	PGA Change (11/03)	Revenue Impact (Summer Season)
Nov-02	4.2840	Nov-03	6.8975	2.6135	152,136
Dec-02	4.2840	Dec-03	6.8975	2.6135	83,992
Jan-03	4.2840	Jan-04	6.8975	2.6135	57,051
Feb-03	4.2840	Feb-04	6.8975	2.6135	44,373
Mar-03	4.2840	Mar-04	6.8975	2.6135	42,788

**Estimated Summer Season Change in Revenue                      380,341**

**Percent Change Between PGA Factors                      61.01%**

Firm Sales (System Budget) 727,647

Month	Estimated Customer Usage Mcf/Mnth	Estimated % Mcf/Yr	Estimated Company Sales Mcf/Mnth
Jan	23.6	19.67%	143,104
Feb	21.7	18.08%	131,583
Mar	15.9	13.25%	96,413
Apr	9.6	8.00%	58,212
May	5.3	4.42%	32,138
Jun	3.6	3.00%	21,829
Jul	2.8	2.33%	16,978
Aug	2.7	2.25%	16,372
Sep	3	2.50%	18,191
Oct	4.2	3.50%	25,468
Nov	9.7	8.08%	58,818
Dec	<u>17.9</u>	<u>14.92%</u>	<u>108,541</u>
TOTAL	120	100%	727,647

Note: Estimated Customer Usage Obtained from Missouri Public Service Commission.