



Aquila

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

FILED

APR 16 2004

Missouri Public
Service Commission

April 15, 2004

Mr. Dale Hardy Roberts, Secretary, Chief Regulatory Law Judge
Missouri Public Service Commission
200 Madison Street
Jefferson City, MO 65101

Dear Mr. Roberts:

Enclosed are an original and three copies of PSC MO. No. 4, 60th Revised Sheet No. 9:4 reflecting changes in the Purchased Gas Adjustment of the Aquila Inc., d/b/a Aquila Networks – L&P Purchased Gas Adjustment Clause.

Enclosure 1 reflects the Purchased Gas Adjustment calculation. The PGA has been developed using NYMEX pricing weighted for the months of April 2004 through October 2004, and the "Inside FERC's Gas Market Report" posted price for March 2004. The tariff rate changes for SJLP are based on the ANR filings of their FERC Gas Tariffs, Sixth Revised Sheet No. 6 and Thirty-Sixth Revised Sheet No. 17.

Enclosure 2 reflects the Weighted Average Cost of Gas (WACOG) for the last three years, April through October.

Enclosure 3 reflects the estimated ACA through August 2004.

Enclosure 4 reflects the estimated Deferred Carrying Cost Balance through August 2004.

The seasonal revenue impact or comparison to the same period last year, for the gas cost recovery portion of the rates is an increase in the amount of \$237,753 or 20.68% as determined on Enclosure 5.

Aquila Networks –L&P respectfully requests that the rates proposed in this filing become effective with volumes taken on and after April 30, 2004.

Sincerely,

A handwritten signature in black ink, appearing to read "Amy Winkler". The signature is fluid and cursive, with a long, sweeping underline that extends to the right.

Amy Winkler
Regulatory Analyst

Enclosures

cc: Office of the Public Counsel

STATE OF MISSOURI, PUBLIC SERVICE COMMISSION

P.S.C. MO. No.	<u>4</u>	<u>60th</u>	Original	Sheet No.	<u>9.4</u>
			Revised		
Cancelling P.S.C. MO. No.	<u>4</u>	<u>59th</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

PURCHASED GAS ADJUSTMENT CLAUSE NATURAL GAS
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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.

	RPGA	ACA	Refund	TOP<>	TC<>	TOTAL
	Factor	Factor	Factor	Factor	Factor	PGA
*	0.64262	0.08741	0.0000	0.0000	0.0033	0.73333

<> 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: April 16, 2004
ISSUED BY: Robert Amdor, Regulatory Services

EFFECTIVE DATE: April 30, 2004

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					\$0.9284
Spot Market Purchases	727,647			\$5.4978	\$4,000,458
Season Budget	727,647				
Cost per MCF at Burnertip					\$5.4978
Summer PGA					
Total Cost per Mcf at Burnertip					\$6.4262
Highest WACOG (Summer Period)	Apr 01 - Oct 01	Apr 02 - Oct 02	Apr 03 - Oct 03	Average WACOG	
	\$4.3127	\$3.0736	\$4.8342	\$4.0735	
Highest Avg WACOG-Summer Period (Avg of summer seasons with the highest of 3 averages)					\$4.4539
March 2004 Gas Commodity Costs					\$6.0254

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

	Apr-04	May-04	Jun-04	Jul-04	Aug-04	Sep-04	Oct-04	Totals
SUMMARY OF COMMODITY COSTS								
Purchase Requirements	63,306	8,420	10,375	15,422	17,267	12,574	40,886	114,790
Storage Withdrawal	0	0	0	0	0	0	0	0
Storage WACOG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase Requirements minus Storage	63,306	8,420	10,375	15,422	17,267	12,574	40,886	114,790
Contract 99722	26,595	2,864	4,089	8,382	6,075	4,881	16,769	48,005
Group 1 ANR Fuel %	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	
	27,241	2,933	4,188	8,586	6,223	4,999	17,176	49,171
Contract 99723	36,711	5,556	6,286	7,040	11,192	7,693	24,117	66,785
Group 2 Fuel %	3.34%	3.34%	3.34%	3.34%	3.34%	3.34%	3.34%	
	37,979	5,748	6,504	7,283	11,579	7,959	24,950	69,093
Purchases minus Storage with Fuel	65,220	8,681	10,692	15,869	17,802	12,958	42,126	118,264
Contracted Fixed Price Supply	0	0	0	0	0	0	0	0
Contracted Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
(Contracted Fixed Price Supply only applies in the winter months.)								
Contracted Seasonal Price Supply	0	0	0	0	0	0	0	0
Contracted Price	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Supply	65,220	8,681	10,692	15,869	17,802	12,958	42,126	118,264
Forecasted Price (NYMEX-ANR Basis)*	\$ 5.275	\$ 5.340	\$ 5.395	\$ 5.425	\$ 5.445	\$ 5.425	\$ 5.435	
Total Cost	\$ 344,036	\$ 46,357	\$ 57,683	\$ 86,089	\$ 96,932	\$ 70,297	\$ 228,955	\$ 631,097
Forecasted Gas Commodity Cost	344,036	46,357	57,683	86,089	96,932	70,297	228,955	631,097
Forecasted Sales Gas Quantity	63,306	8,420	10,375	15,422	17,267	12,574	40,886	114,790

Gas Cost (Commodity) Dth

\$5.4978

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

Enclosure 1

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INSIDE FERC MARCH 04	\$	4.81
Group 1 ANR Fuel %		2.37%
Group 2 ANR Fuel %		3.34%
ANR Index Adjusted for Fuel	\$	5.0970
Transport Charge		\$0.9223
ACA Charge		\$0.0021
GRI Charge		\$0.0040
		\$6.0254

SJLP WACOG CAP
Enclosure 2

	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCTOBER	
SJLP (01):								
Purchase Volumes	140,517	74,349	57,548	59,353	65,321	35,495	44,202	476,785
Commodity Cost (Highest)	\$5.4574	\$4.9722	\$4.0310	\$3.5843	\$3.5773	\$3.3297	\$2.7853	
Total Commodity Costs	\$766,858	\$369,675	\$231,975	\$212,738	\$233,670	\$118,187	\$123,116	\$2,056,218
				Weighted Avg. Commodity Costs				\$4.3127
SJLP (02):								
Purchase Volumes	81,000	93,000	75,000	55,800	65,100	73,500	74,389	517,789
Commodity Cost (Highest)	\$3.2775	\$3.1425	\$3.0300	\$2.9650	\$2.7400	\$2.9550	\$3.3000	
Total Commodity Costs	\$265,478	\$292,253	\$227,250	\$165,447	\$178,374	\$217,193	\$245,484	\$1,591,479
				Weighted Avg. Commodity Costs				\$3.0736
SJLP (03):								
Purchase Volumes	87,474	77,500	80,912	73,300	93,000	66,000	95,421	573,607
Commodity Cost (Highest)	\$4.7950	\$4.8800	\$5.5850	\$5.1500	\$4.5600	\$4.7450	\$4.2825	
Total Commodity Costs	\$419,438	\$378,200	\$451,894	\$377,495	\$424,080	\$313,170	\$408,640	\$2,772,917
				Weighted Avg. Commodity Costs				\$4.8342
						Average of 3 Periods		\$4.0735
				Highest Avg WACOG-Summer Period (avg of summer seasons with the highest of 3 averages)				\$4.4539
						March 2004 Gas Commodity Cost		\$6.0397

Aquila Inc., d/b/a Aquila Networks - L&P
2003-2004 ACA Year PGA Estimate
(Based on Monthly Actuals and Estimates)

	<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>	
Commodity	\$4.7626	\$11.3748	\$5.2223	\$5.2473	\$5.7044	\$4.7744	\$5.0620	\$5.2750	\$5.3400	\$5.3950	\$5.4250	\$5.4450	
Fixed Costs	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
Estimated Sales Volume	12,131	20,978	49,249	95,816	133,222	144,790	88,727	67,287	39,629	19,490	18,369	15,578	705,265
ACA Factor in Effect	-\$0.0704	-\$0.0669	\$0.0393	\$0.7278	\$0.9008	\$0.9198	\$0.8741	\$0.8741	\$0.8741	\$0.8741	\$0.8741	\$0.8741	
PGA Factor in Effect	\$6.1299	\$6.1013	\$6.0104	\$6.0295	\$5.9960	\$5.9997	\$5.9904	\$5.9904	\$5.9904	\$5.9904	\$5.9904	\$5.9904	
PGA/ACA Factor - Required	\$4.7626	\$11.3748	\$5.2223	\$5.2473	\$5.7044	\$4.7744	\$5.0620	\$5.2750	\$5.3400	\$5.3950	\$5.4250	\$5.4450	
Over/Under Recovery	\$1.2969	-\$5.3404	\$0.8274	\$1.5099	\$1.1923	\$2.1451	\$1.8025	\$1.5895	\$1.5245	\$1.4695	\$1.4395	\$1.4195	
	<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>
Gas Supply Purchased (in Dth)	19,473	27,617	86,265	126,827	157,168	110,784	67,888	51,483	30,321	14,912	14,054	11,919	718,712
Sales Volumes (in Mcf)	12,131	20,978	49,249	95,816	133,222	144,790	88,727	67,287	39,629	19,490	18,369	15,578	705,265
Cost of Gas Purchased and Produced	92,742	314,138	450,502	665,500	896,550	628,929	343,649	271,575	161,915	80,451	76,245	64,899	3,947,097
ACA Factor in Effect	(854)	(1,403)	1,934	69,733	120,000	133,176	77,556	58,815	34,639	17,036	16,056	13,617	540,305
PGA Factor in Effect	74,360	127,994	296,008	577,721	798,792	868,701	531,510	403,075	237,391	116,751	110,035	93,317	4,235,655
PGA Factor - Required	92,742	314,138	450,502	665,500	896,550	528,929	343,649	271,575	161,915	80,451	76,245	64,899	3,947,097
Over/(Under) Recovery	(19,237)	(187,547)	(152,560)	(18,047)	22,242	472,947	265,417	190,315	110,115	53,336	49,846	42,034	828,863
Prior ACA Yr Over/(Under) Recovery Balance-Firm	(636,061)												
Monthly ACA Over/(Under) Recovery	(854)	(1,403)	1,934	69,733	120,000	133,176	77,556	58,815	34,639	17,036	16,056	13,617	540,305
Monthly PGA Over/(Under) Recovery	(18,383)	(186,144)	(154,493)	(87,779)	(97,758)	339,771	187,861	131,500	75,476	36,300	33,790	28,418	288,559
Total Monthly PGA/ACA Over/(Under) Recovery	(19,237)	(187,547)	(152,560)	(18,047)	22,242	472,947	265,417	190,315	110,115	53,336	49,846	42,034	828,863
2003-2004 PGA/ACA Yr to Date Over/(Under) Recovery	(19,237)	(206,783)	(359,343)	(377,390)	(355,148)	117,799	383,217	573,532	683,647	736,983	786,829	828,863	
Inception to Date PGA/ACA Over/(Under) Recovery	(655,297)	(842,844)	(995,404)	(1,013,450)	(991,209)	(518,262)	(252,844)	(62,529)	47,587	100,922	150,768	192,803	

Firm Mcfs 727,647

Note: Shaded areas indicate estimates.

Note: Prior months may change from previous spreadsheets due to prior period adjustments entered in appropriate month on this schedule.

Forecasted ACA 11/04 (0.2650)

Enclosure 3

Aquila Inc., d/b/a Aquila Networks - L&P
Estimated Deferred Carrying Cost Balance (DCCB) Calculation
2003-2004 ACA Year

Annual Gas Cost Level
Gas Cost from Nov 03 ACA calculation
Gas Cost from Nov 02 ACA calculation
Gas Cost from Nov 01 ACA calculation
Average of 3 most recent gas cost calculations
10%
10% of average annual gas cost threshold

4,371,596
3,084,409
5,546,786
4,334,264
10%
433,426

	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
Sales Volumes (in Mcf)	12,131	20,978	49,249	95,816	133,222	144,790	88,727	67,287	39,629	19,490	18,369	15,578	705,265
Cost of Gas Purchased and Produced	92,742	314,138	450,502	665,500	896,550	528,929	343,649	271,575	161,915	80,451	76,245	64,899	3,947,097
PGA - Estimated Annualized Unit Cost of Gas	\$6.1299	\$6.1013	\$6.0104	\$6.0295	\$5.9960	\$5.9997	\$5.9904	\$5.9904	\$5.9904	\$5.9904	\$5.9904	\$5.9904	\$5.9904
Actual Annualized Unit Cost of Gas	7.6453	14.9744	9.1474	6.9456	6.7297	3.6531	3.8731	4.0361	4.0858	4.1279	4.1508	4.1662	
Difference	-1.5154	-8.8731	-3.1370	-0.9161	-0.7338	2.3466	2.1173	1.9543	1.9046	1.8625	1.8396	1.8242	
Actual Sales Volumes	12,131	20,978	49,249	95,816	133,222	144,790	88,727	67,287	39,629	19,490	18,369	15,578	
DCCB Monthly Over/(Under) Recovery	(18,383)	(186,144)	(154,493)	(87,779)	(97,758)	339,771	187,861	131,500	75,476	36,300	33,790	28,418	
2003-04 DCCB Yr to Date Over/(Under) Recovery	(18,383)	(204,526)	(359,020)	(446,799)	(544,557)	(204,786)	(16,925)	114,575	190,051	226,351	260,141	288,559	
10% of average annual gas cost threshold	433,426	433,426	433,426	433,426	433,426	433,426	433,426	433,426	433,426	433,426	433,426	433,426	
Absolute Value Rcvry Bal that exceeds threshold	-	-	-	13,373	111,131	-	-	-	-	-	-	-	
Over/(Und) Rcvry Bal that exceeds 10% threshold	-	-	-	(13,373)	(111,131)	-	-	-	-	-	-	-	
Interest at Prime Rate - Wall Street Journal - 1%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	
Carrying Costs Refunded/(Collected)	-	-	-	(33)	(278)	-	-	-	-	-	-	-	(311)
DCCB Percent of Avg Annual Gas Costs	-0.42%	-4.72%	-8.28%	-10.31%	-12.56%	-4.72%	-0.39%	2.64%	4.38%	5.22%	6.00%	6.66%	

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

Enclosure 4

Enclosure 5

Aquila Inc., d/b/a Aquila Networks - L&P 2003-2004 Summer Season Revenue Impact

Original Calculation Filed

Month	PGA Factor	Month	PGA Factor	PGA Change (03/02)	Revenue Impact (Summer Season)
Apr-03	6.0766	Apr-04	7.3333	1.2567	73,155
May-03	6.0766	May-04	7.3333	1.2567	40,388
Jun-03	6.0766	Jun-04	7.3333	1.2567	27,433
Jul-03	6.0766	Jul-04	7.3333	1.2567	21,337
Aug-03	6.0766	Aug-04	7.3333	1.2567	20,575
Sep-03	6.0766	Sep-04	7.3333	1.2567	22,861
Oct-03	6.0766	Oct-04	7.3333	1.2567	32,005

Estimated Summer Season Change in Revenue **237,753**

Percent Change Between PGA Factors **20.68%**

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.