

**Cases Witness Participation
Witness: Janice Pyatte**

Company	Case Number
The Empire District Electric Company	ER-2002-424
Union Electric Company d/b/a AmerenUE	EC-2002-1
UtiliCorp United, Inc. d/b/a Missouri Public Service	ER-2001-672
The Empire District Electric Company	ER-2001-299
UtiliCorp United and St. Joseph Light & Power Co.	EM-2000-292
St. Joseph Light & Power Company	ER-99-247 & EC-98-573
St. Joseph Light & Power Company	ER-99-247 & EC-98-573
Union Electric Company	EO-96-15
St. Joseph Light & Power Company	EC-98-573
Missouri Public Service	ER-97-394 & ET-98-103 & EC-98-126
Missouri Public Service	ER-97-394 & ET-98-103
Missouri Public Service	EO-97-144 & EC-97-362
The Empire District Electric Company	ER-97-81
Kansas City Power & Light Company	EC-96-57
The Empire District Electric Company	ER-95-279
The Empire District Electric Company	ER-94-174 & EO-91-74
St. Joseph Light & Power Company	ER-93-41
Missouri Public Service	ER-93-37
Union Electric Company	EM-92-225 & EM-92-253
Arkansas Power & Light Co. and Union Electric Co.	EM-91-29
Union Electric Company	EO-87-175
Arkansas Power & Light Company	ER-85-265
Kansas City Power & Light Company	ER-85-128 & EO-85-185
Union Electric Company	EO-85-17 & ER-85-160
Union Electric Company	ER-84-168
Union Electric Company	ER-84-168
Arkansas Power & Light Company	ER-83-206
Union Electric Company	ER-83-163
Kansas City Power & Light Company	ER-83-49
The Empire District Electric Company	EO-82-40
The Empire District Electric Company	ER-81-209
Kansas City Power & Light Company	EO-78-161
Laclede Gas Company	GO-78-38
Union Electric Company	EO-78-163
St. Joseph Light & Power Company	EO-77-56

AQUILA NETWORKS - L&P ELECTRIC
CASE NOS. ER-2004-0034 AND HR-2004-0024
ADJUSTED MISSOURI RETAIL KWH SALES BY RATE CODE
(CALENDAR YEAR 2002, UPDATED THROUGH SEPTEMBER 30, 2003)

	As Billed Sales (kWh)	Annualizations to kWh Sales	Normalizations to kWh Sales	Customer Annualizations	Total Sales (kWh)
COS Class: Residential					
MO910,911 Residential General Use	322,775,715	1,813,908	(15,231,654)	(3,980,555)	305,377,414
MO913,914 Residential w/ Water Heat	89,940,944	462,157	(3,317,690)	(1,292,487)	85,792,924
MO915 Residential - Other Use	4,748,691	-	-	243,792	4,992,483
MO920,921 Residential w/ Space Heat	282,490,980	3,407,644	(422,559)	20,679,989	306,156,055
MO922 Sep Mtr Space & Water Heat	510,540	6,159	2,888	(51,903)	467,683
Total Residential	700,466,870	5,689,868	(18,969,015)	15,598,836	702,786,559
COS Class: Small General Service					
MO930 Limited Demand - General Use	23,480,039	63,029	(229,346)	180,942	23,494,664
MO932 Limited Demand - w/ Space Heat	4,142,109	11,119	(31,512)	120,664	4,242,380
MO934 Churches & Schools	5,302,839	14,235	(112,654)	60,410	5,264,830
MO941 Sep Mtr Space & Water Heat	2,801,094	4,403	(7,367)	(113,016)	2,685,114
MO931 General Service - General Use	44,162,185	314,110	(763,962)	1,521,106	45,233,439
MO933 General Service - w/ Space Heat	20,255,917	94,824	(208,848)	231,158	20,373,051
Total Small GS	100,144,183	501,720	(1,353,689)	2,001,264	101,293,478
MO940 COS Class: Large General Service	362,708,691	1,303,071	(1,990,982)	962,706	362,983,486
MO944 COS Class: Large Power	613,630,085	(3,058,469)	-	(2,503,692)	608,067,924
COS Class: Lighting					
MOSJx Street and Private Area Lighting	19,169,452				19,169,452
MO971 Outdoor Night Lighting	421,935				421,935
MO972 Street Lighting	868,028				868,028
MO973 Traffic Signals	635,114				635,114
Total Lighting	21,094,529	-	-	-	21,094,529
MO987 Interdepartmental	21,690				21,690
Unaccounted for	952				952
Unbilled	5,054,000	(5,054,000)			-
Total MO Retail Sales (kWh)	1,803,121,000	(617,810)	(22,313,686)	16,059,114	1,796,248,618

AQUILA NETWORKS - L&P ELECTRIC
CASE NOS. ER-2004-0034 AND HR-2004-0024
DETAILS OF ADJUSTMENTS TO MISSOURI KWH SALES BY RATE CODE
(CALENDAR YEAR 2002, UPDATED THROUGH SEPTEMBER 30, 2003)

	Normalization for Weather	Annualization for 365 Days	Annualization for Billing Corrections	Annualization of Large Customer Load Changes	Annualization of Other Customers for Growth
COS Class: Residential					
MO910,911 Residential General Use	(15,231,654)	1,813,908			(3,980,555)
MO913,914 Residential w/ Water Heat	(3,317,690)	462,157			(1,292,487)
MO915 Residential - Other Use					243,792
MO920,921 Residential w/ Space Heat	(422,559)	3,407,644			20,679,989
MO922 Sep Mtr Space & Water Heat	2,888	6,159			(51,903)
Total Residential	(18,969,015)	5,689,868	-	-	15,598,836
COS Class: Small General Service					
MO930 Limited Demand - General Use	(229,346)	63,029			180,942
MO932 Limited Demand - w/ Space Heat	(31,512)	11,119			120,664
MO934 Churches & Schools	(112,654)	14,235			60,410
MO941 Sep Mtr Space & Water Heat	(7,367)	4,403			(113,016)
MO931 General Service - General Use	(763,962)	314,110			1,521,106
MO933 General Service - w/ Space Heat	(208,848)	94,824			231,158
Total Small GS	(1,353,689)	501,720	-	-	2,001,264
MO940 COS Class: Large General Service	(1,990,982)	1,303,071			962,706
MO944 COS Class: Large Power		291,369	(3,349,838)	(2,503,692)	
COS Class: Lighting					
MOSJx Street and Private Area Lighting					
MO971 Outdoor Night Lighting					
MO972 Street Lighting					
MO973 Traffic Signals					
Total Lighting					
MO987 Interdepartmental Unaccounted for Unbilled					
Total MO Retail Sales (kWh)	(22,313,686)	7,786,028	(3,349,838)	(2,503,692)	18,562,806

AQUILA NETWORKS - L&P ELECTRIC
CASE NOS. ER-2004-0034 AND HR-2004-0024
ADJUSTED MISSOURI RETAIL RATE REVENUE BY RATE CODE
(CALENDAR YEAR 2002, UPDATED THROUGH SEPTEMBER 30, 2003)

		Billed Revenue w/o Taxes	Annualizations to Revenue	Normalizations to Revenue	Customer Annualizations	Total Rate Revenue
COS Class: Residential						
MO910,911	Residential General Use	\$21,089,247	\$98,565	(\$970,797)	(\$260,315)	\$19,956,700
MO913,914	Residential w/ Water Heat	\$5,250,370	\$21,937	(\$215,283)	(\$73,631)	\$4,983,393
MO915	Residential - Other Use	\$476,897	\$0	\$0	\$24,808	\$501,705
MO920,921	Residential w/ Space Heat	\$13,326,633	\$135,746	(\$206,039)	\$925,361	\$14,181,701
MO922	Sep Mtr Space & Water Heat	\$25,686	\$261	(\$168)	(\$2,534)	\$23,245
	Total Residential	\$40,168,833	\$256,509	(\$1,392,287)	\$613,689	\$39,646,745
COS Class: Small General Service						
MO930	Limited Demand - General Use	\$2,078,568	\$4,402	(\$22,633)	\$16,077	\$2,076,415
MO932	Limited Demand - w/ Space Heat	\$323,673	\$766	(\$3,267)	\$9,485	\$330,657
MO934	Churches & Schools	\$429,412	\$1,036	(\$9,713)	\$4,745	\$425,480
MO941	Sep Mtr Space & Water Heat	\$140,327	\$206	(\$1,767)	(\$5,298)	\$133,468
MO931	General Service - General Use	\$3,014,576	\$16,606	(\$49,877)	\$103,024	\$3,084,330
MO933	General Service - w/ Space Heat	\$1,253,872	\$4,640	(\$15,437)	\$13,145	\$1,256,220
	Total Small GS	\$7,240,429	\$27,656	(\$102,694)	\$141,178	\$7,306,570
MO940	COS Class: Large General Service	\$17,034,660	\$46,566	(\$93,415)	\$38,848	\$17,026,659
MO944	COS Class: Large Power	\$22,799,635	(\$85,208)	\$0	(\$159,423)	\$22,555,004
COS Class: Lighting						
MOSJx	Street and Private Area Lighting	\$2,069,725	\$0	\$0	-	\$2,069,725
MO971	Outdoor Night Lighting	\$30,106	\$0	\$0	-	\$30,106
MO972	Street Lighting	\$31,822	\$0	\$0	-	\$31,822
MO973	Traffic Signals	\$27,324	\$0	\$0	-	\$27,324
	Total Lighting	\$2,158,978	\$0	\$0	\$0	\$2,158,978
MO987	Interdepartmental	\$508	\$0	\$0	-	\$508
MO940	Economic Development Credits	(\$15,050)	\$2,932	\$0	-	(\$12,117)
MO944	Economic Development Credits	(\$539,953)	\$81,970	\$0	-	(\$457,983)
	Total MO Firm Rate Revenue	\$88,848,041	\$330,427	(\$1,588,396)	\$634,293	\$88,224,364
Other Rate Revenue						
MO940	Curtailment Credits	(\$4,752)	\$0	\$0	-	(\$4,752)
MO944	Curtailment Credits	(\$11,880)	\$0	\$0	-	(\$11,880)
MO940	Misc Fees	\$58,766	\$0	\$0	-	\$58,766
MO944	Misc Fees	\$31,177	(\$5,180)	\$0	-	\$25,997
	Unaccounted for	(\$89,978)	\$0	\$0	-	(\$89,978)
	Unbilled	\$220,195	(\$220,195)	\$0	-	\$0
	Total Other Rate Revenue	\$203,527	(\$225,375)	\$0	\$0	(\$21,848)
	Total MO Rate Revenue	\$89,051,568	\$105,052	(\$1,588,396)	\$634,293	\$88,202,516

AQUILA NETWORKS - L&P ELECTRIC
CASE NOS. ER-2004-0034 AND HR-2004-0024
DETAILS OF ADJUSTMENTS TO MISSOURI RATE REVENUE BY RATE CODE
(CALENDAR YEAR 2002, UPDATED THROUGH SEPTEMBER 30, 2003)

	Normalization for Weather	Annualization for 365 Days	Annualizations for Special Charges & Billing Correction	Annualization of Large Customers for Growth	Annualization of Other Customers for Growth
COS Class: Residential					
MO910,911 Residential General Use	(\$970,797)	\$98,565			(\$260,315)
MO913,914 Residential w/ Water Heat	(\$215,283)	\$21,937			(\$73,631)
MO915 Residential - Other Use					\$24,808
MO920,921 Residential w/ Space Heat	(\$206,039)	\$135,746			\$925,361
MO922 Sep Mtr Space & Water Heat	(\$168)	\$261			(\$2,534)
Total Residential	(\$1,392,287)	\$256,509	\$0	\$0	\$613,689
COS Class: Small General Service					
MO930 Limited Demand - General Use	(\$22,633)	\$4,402			\$16,077
MO932 Limited Demand - w/ Space Heat	(\$3,267)	\$766			\$9,485
MO934 Churches & Schools	(\$9,713)	\$1,036			\$4,745
MO941 Sep Mtr Space & Water Heat	(\$1,767)	\$206			(\$5,298)
MO931 General Service - General Use	(\$49,877)	\$16,606			\$103,024
MO933 General Service - w/ Space Heat	(\$15,437)	\$4,640			\$13,145
Total Small GS	(\$102,694)	\$27,656	\$0	\$0	\$141,178
MO940 COS Class: Large General Service	(\$93,415)	\$46,566			\$38,848
MO944 COS Class: Large Power		\$7,443	(\$92,650)	(\$159,423)	
COS Class: Lighting					
MOSJx Street and Private Area Lighting					
MO971 Outdoor Night Lighting					
MO972 Street Lighting					
MO973 Traffic Signals					
Total Lighting	\$0	\$0	\$0	\$0	\$0
MO987 Interdepartmental					
MO940 Economic Development Credits			\$2,932		
MO944 Economic Development Credits			\$81,970		
Total MO Firm Rate Revenue	(\$1,588,396)	\$338,174	(\$7,748)	(\$159,423)	\$793,716
Other Rate Revenue					
MO940 Curtailment Credits					
MO944 Curtailment Credits					
MO940 Misc Fees					
MO944 Misc Fees			(\$5,180)		
Unaccounted for Unbilled					
Total Other Rate Revenue	\$0	\$0	(\$5,180)	\$0	\$0
Total MO Rate Revenue	(\$1,588,396)	\$338,174	(\$12,928)	(\$159,423)	\$793,716

AQUILA NETWORKS - L&P STEAM
CASE NOS. ER-2004-0034 AND HR-2004-0024
ADJUSTED MISSOURI STEAM SALES AND REVENUES BY RATE CODE
(CALENDAR YEAR 2002, UPDATED THROUGH SEPTEMBER 30, 2003)

RATE REVENUE

		As Billed Revenue	Annualization (Rate Switching)	Large Customer Annualization	Total Revenue
Steam Service	MO810	\$1,359,940		(\$156,099)	\$1,203,841
Steam Service (MO812)	MO810	\$1,054,453	\$4,666,179		\$5,720,632
Contract Service	MO812	\$4,227,181	(\$4,227,181)		\$0
Total MO Rate Revenue		\$6,641,574	\$438,998	(\$156,099)	\$6,924,474

STEAM SALES

		As Billed Sales	Annualization (Rate Switching)	Large Customer Annualization	Total Annualized Sales
Steam Service	MO810	327,272	-	(43,607)	283,665
Steam Service (MO812)	MO810	287,228	1,259,133		1,546,361
Contract Service	MO812	1,265,623	(1,265,623)		-
Total MMBTU Sales		1,880,123	(6,490)	(43,607)	1,830,026