

AQUILA NETWORKS - MPS 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)

Rate Code		As Billed Sales (kWh)	Annualizations to kWh Sales	Normalizations to kWh Sales	Customer Annualizations	Total MPS Sales (kWh)
MO860	Residential General Use	1,636,642,485	5,604,500	(81,052,299)	9,398,898	1,570,593,584
MO870	Residential w/ Space Heat	692,766,915	8,008,883	(4,940,673)	95,996,470	791,831,595
MO710,MO711	Small GS, Sec	714,153,719	1,015,117	(11,571,162)	42,381,934	745,979,608
MO716	Small GS w/kW mtr, Pri	1,123,079	195,520		-	1,318,599
MO611	TOD (GS) - 1 phase	-				
MO720	Large GS, Secondary	743,539,038	6,495,187	(2,854,039)	64,400,421	811,580,607
MO725	Large GS, Primary	33,366,086			-	33,366,086
MO721	RTP (721)	3,223,429			-	3,223,429
MO631	TOD (GS) - 3 phase, Sec	-				
MO730	Large PS, Secondary	538,042,553	(2,020,715)		37,753,256	573,775,094
MO735	Large PS, Primary	559,900,045	(10,102,364)		(10,949,720)	538,847,961
MO731	RTP (731)	20,481,826			-	20,481,826
MO737	RTP (737)	56,174,652			-	56,174,652
MO919	Special Contract (Modine)	6,131,127			-	6,131,127
MO651	Thermal Energy	6,353,737			-	6,353,737
MO740	Schools & Churches, Sec	55,538,625	(447,097)	(1,184,532)	(9,013,887)	44,893,109
MO745	Schools & Churches, Pri	195,520	(195,520)			
MO800	Muni Water Pumps	8,366,670			(698,746)	7,667,924
MO810	Muni Park & Rec	2,660,043			(210,597)	2,449,446
MO811	Muni Park & Rec, 3-phase	2,712,110			-	2,712,110
MONxx	Lighting	42,020,419			-	42,020,419
MO888	Interdepartmental	469,580			-	469,580
	Unaccounted for	6,089,342			-	6,089,342
	Co Unbilled	(2,647,000)	2,647,000		-	
Total MO Retail Sales		5,127,304,000	11,200,511	(101,602,705)	229,058,029	5,265,959,835

Missouri Public
Service Commission

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Updated Schedule 2-1
(Changes Highlighted)

Exhibit No. 103
Case No(s). ER-2004-0034
Date 3-2-04 Rptr rw

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

Rate Code		Normalization for Weather	Annualizations for 365 Days	Annualizations for Billing Corrections & Rate Switching	Annualizations for Large Customer Load Changes	Annualizations for Other Customers Growth
MO860	Residential General Use	(81,052,299)	5,604,500			9,398,898
MO870	Residential w/ Space Heat	(4,940,673)	8,008,883			95,996,470
MO710,MO711	Small GS, Sec	(11,571,162)	1,015,117			42,381,934
MO716	Small GS w/kW mtr, Pri			195,520		
MO611	TOD (GS) - 1 phase					
MO720	Large GS, Secondary	(2,854,039)	6,495,187			64,400,421
MO725	Large GS, Primary					
MO721	RTP (721)					
MO631	TOD (GS) - 3 phase, Sec					
MO730	Large PS, Secondary		1,004,430	(3,025,145)	37,753,256	
MO735	Large PS, Primary		1,093,487	(11,195,851)	(10,949,720)	
MO731	RTP (731)					
MO737	RTP (737)					
MO919	Special Contract (Modine)					
MO651	Thermal Energy					
MO740	Schools & Churches, Sec	(1,184,532)	(447,097)			(9,013,887)
MO745	Schools & Churches, Pri			(195,520)		
MO800	Muni Water Pumps					(698,746)
MO810	Muni Park & Rec					(210,597)
MO811	Muni Park & Rec, 3-phase					
MONxx	Lighting					
MO888	Interdepartmental Unaccounted for Co Unbilled					
Total MO Retail Sales		(101,602,705)	22,774,507	(14,220,996)	26,803,536	202,254,493

Updated Schedule 2-2
(Changes Highlighted)

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

Rate Code		Billed Revenue w/o Taxes	Annualizations to Revenue	Normalizations to to Revenue	Customer Annualizations	Total MPS Rate Revenue
MO860	Residential General Use	\$121,086,395	\$114,877	(\$5,822,136)	\$684,584	\$116,063,719
MO870	Residential w/ Space Heat	\$41,508,916	\$327,549	(\$908,641)	\$5,486,647	\$46,414,471
MO710,MO711	Small GS, Sec	\$46,006,560	(\$152,387)	(\$737,472)	\$2,621,310	\$47,738,011
MO716	Small GS w/kW mtr, Pri TOD (GS) - 1 phase	\$61,320 \$0	\$10,517			\$71,837
MO720	Large GS, Secondary	\$37,542,665	\$118,086	(\$184,419)	\$3,055,129	\$40,531,461
MO725	Large GS, Primary	\$1,610,900	(\$6,254)			\$1,604,645
MO721	RTP (721) TOD (GS) - 3 phase, Sec	\$133,488 \$0	(\$302)			\$133,186
MO730	Large PS, Secondary	\$23,271,679	(\$146,470)		\$1,417,428	\$24,542,637
MO735	Large PS, Primary	\$22,362,452	(\$365,496)		(\$433,634)	\$21,563,322
MO731	RTP (731)	\$995,068	(\$4,109)			\$990,959
MO737	RTP (737)	\$2,531,405	(\$12,513)			\$2,518,891
MO919	Special Contract (Modine)	\$245,938	(\$1,121)			\$244,818
MO650	Thermal Energy	\$277,487	(\$1,004)		\$17,650	\$294,133
MO740	Schools & Churches, Sec	\$3,471,650	(\$26,706)	(\$88,326)	(\$562,156)	\$2,794,462
MO745	Schools & Churches, Pri	\$10,786	(\$10,786)			
MO800	Muni Water Pumps	\$500,306			(\$41,772)	\$458,533
MO810	Muni Park & Rec	\$203,700			(\$16,090)	\$187,610
MO811	Muni Park & Rec, 3-phase	\$208,355				\$208,355
MONxx	Lighting	\$5,034,930	(\$302)			\$5,034,628
MO888	Interdepartmental	\$12,762				\$12,762
MO720	Economic Development Credits	(\$78,100)	\$26,281			(\$51,819)
MO730	Economic Development Credits	(\$890,163)	\$302,951			(\$587,212)
MO735	Economic Development Credits	(\$281,317)	\$71,381			(\$209,936)
	Unaccounted for	(\$102,483)				(\$102,483)
	Co Unbilled	(\$668,474)	\$668,474			
Total MO Retail Rate Revenue		\$305,056,224	\$912,664	(\$7,740,995)	\$12,229,095	\$310,456,988

Updated Schedule 3-1
(Changes Highlighted)

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

Rate Code		Normalization for Weather	Annualizations for 365 Days	Annualization for Rate Change	Annualizations for Billing Corrections & Rate Switching	Annualizations of Large Customer Load Changes	Annualizations of Other Customers for Growth
MO860	Residential General Use	(\$5,822,136)	\$372,675	(\$257,798)			\$684,584
MO870	Residential w/ Space Heat	(\$908,641)	\$434,907	(\$107,358)			\$5,486,647
MO710,MO711	Small GS, Sec	(\$737,472)	\$57,186	(\$209,574)	\$0	\$0	\$2,621,310
MO716	Small GS w/kW mtr, Pri TOD (GS) - 1 phase	\$0	\$0	(\$269)	\$10,786		
MO720	Large GS, Secondary	(\$184,419)	\$276,077	(\$157,991)			\$3,055,129
MO725	Large GS, Primary	\$0	\$0	(\$6,254)			
MO721	RTP (721) TOD (GS) - 3 phase, Sec			(\$302)			
MO730	Large PS, Secondary		\$40,797	(\$76,390)	(\$117,774)	\$1,417,428	
MO735	Large PS, Primary		\$43,866	(\$74,339)	(\$335,023)	(\$433,634)	
MO731	RTP (731)			(\$4,109)			
MO737	RTP (737)			(\$12,513)			
MO919	Special Contract (Modine)			(\$1,121)			
MO650	Thermal Energy			(\$1,004)			\$17,650
MO740	Schools & Churches, Sec	(\$88,326)	(\$26,706)	\$0			(\$562,156)
MO745	Schools & Churches, Pri				(\$10,786)		
MO800	Muni Water Pumps			\$0			(\$41,772)
MO810	Muni Park & Rec			\$0			(\$16,090)
MO811	Muni Park & Rec, 3-phase			\$0			\$0
MONxx	Lighting			(\$302)			
MO888	Interdepartmental						
MO720	Economic Development Credits						
MO730	Economic Development Credits						
MO735	Economic Development Credits Unaccounted for Co Unbilled						
Total MO Retail Rate Revenue		(\$7,740,995)	\$1,198,801	(\$909,325)	(\$452,796)	\$983,794	\$11,245,301

Updated Schedule 3-2
(Changes Highlighted)