

Exhibit No.:
Issues: Weather,
Rate Revenue
Witness: Curt Wells
Sponsoring Party: MO PSC Staff
Type of Exhibit: Rebuttal Testimony
Case No.: ER-2007-0004
Date Testimony Prepared: February 27, 2007

MISSOURI PUBLIC SERVICE COMMISSION

UTILITY OPERATIONS DIVISION

SUPPLEMENTAL DIRECT TESTIMONY

OF

CURT WELLS

AQUILA, INC.

D/B/A AQUILA NETWORKS-MPS

AND AQUILA NETWORKS-L&P

CASE NO. ER-2007-0004

Jefferson City, Missouri
February 2007

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Missouri Public
Service Commission

Staff Exhibit No. 234
Case No(s). ER 2007-0004
Date 4-9-07 Rptr XS

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the matter of Aquila, Inc. d/b/a Aquila)
Networks-MPS and Aquila Networks-)
L&P, for authority to file tariffs increasing)
electric rates for the service provided to)
customers in the Aquila Networks-MPS)
and Aquila Networks-L&P service areas.)

Case No. ER-2007-0004

AFFIDAVIT OF CURT WELLS

STATE OF MISSOURI)
) ss
COUNTY OF COLE)

Curt Wells, of lawful age, on his oath states: that he has participated in the preparation of the following Supplemental Direct Testimony in question and answer form, consisting of 2 pages of Supplemental Direct Testimony to be presented in the above case, that the answers in the following Supplemental Direct Testimony were given by him; that he has knowledge of the matters set forth in such answers; and that such matters are true to the best of his knowledge and belief.



Curt Wells

Subscribed and sworn to before me this 26th day of February, 2007.



SUSAN L. SUNDERMEYER
My Commission Expires
September 21, 2010
Callaway County
Commission #06942086


Notary Public

My commission expires 9-21-10

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SUPPLEMENTAL DIRECT TESTIMONY
OF
CURT WELLS
AQUILA, INC.
D/B/A AQUILA NETWORKS-MPS
AND AQUILA NETWORKS-L&P
CASE NO. ER-2007-0004

EXECUTIVE SUMMARY 1

REVISIONS TO SCHEDULES..... 1

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SUPPLEMENTAL DIRECT TESTIMONY

OF

CURT WELLS

AQUILA, INC.

D/B/A AQUILA NETWORKS-MPS

AND AQUILA NETWORKS-L&P

CASE NO. ER-2007-0004

Q. Please state your name and business address.

A. My name is Curt Wells and my business address is Missouri Public Service Commission, P. O. Box 360, Jefferson City, Missouri, 65102.

Q. Are you the same Curt Wells who filed prepared direct testimony earlier in this proceeding?

A. Yes, I am.

EXECUTIVE SUMMARY

Q. What is the purpose of your supplemental direct testimony?

A. My supplemental direct testimony revises Schedules CW-3, CW-4, CW-5, and CW-6 attached to my direct testimony to reflect material known and measurable changes through December 31, 2006 and changes to the Staff's calculations.

REVISIONS TO SCHEDULES

Q. What revisions to sales and revenues are reflected in your updated schedules?

A. The revised schedules reflect:

- 1) updated sales and revenue to reflect material known and measurable changes as of December 31, 2006;

Supplemental Direct Testimony of
Curt Wells

- 1 2) corrections to my Missouri retail revenue calculations;
- 2 3) a change in the weather normalization adjustment made by Staff witness Shawn
- 3 Lange;
- 4 4) a change to the individual customer annualization of Aquila Networks-MPS
- 5 (MPS) and L&P (L&P) large power sales and revenue made by Staff witness Amanda
- 6 McMellen;
- 7 5) adding a 365 day annualization for large power customers in both the Aquila
- 8 Networks-MPS and L&P service territories made by Staff witness Amanda
- 9 McMellen; and
- 10 6) a revision to customer growth and the large power annualization made by Staff
- 11 witness Amanda McMellen due to changes in the weather normalization and
- 12 annualization adjustments.

13 Q. What prompted you to revise your Missouri retail rate revenue calculations?

14 A. As a result of discussions with Aquila, it became apparent that some of the
15 rate values I had used to make the weather and days adjustments to revenue were incorrect.
16 The attached revenue schedules reflect the use of the correct rate values.

17 Q. Does this conclude your direct testimony?

18 A. Yes, it does.

AQUILA NETWORKS - L&P ELECTRIC
CASE NO. ER-2007-0004
ADJUSTED MISSOURI RETAIL kWh SALES BY RATE CODE
(CALENDAR YEAR 2005, UPDATED THROUGH DECEMBER 31, 2006)

AQUILA NETWORKS - L&P ELECTRIC
CASE NO. ER-2007-0004
DETAILS OF ADJUSTMENTS TO MISSOURI SALES BY RATE CODE
(CALENDAR YEAR 2005, UPDATED THROUGH DECEMBER 31, 2006)

	At Billed Sales (kWh) (1)	Adjustments to kWh Sales (2)	Normalizations to kWh Sales (3)	Adjustments for Growth & Large Power (3)	Total Sales (kWh)	Adjustments for Billing Corrections	Normalizations for Weather	Adjustments for 365 Days	Adjustments for Growth & Large Power (3)
Residential									
MO910 Residential - General Use	315,971,706	(1,702,238)	(9,415,740)	-	314,269,468	(4,771)	(9,415,740)	(1,697,457)	-
MO911 Residential - Multiple Occupancy	2,458,748	14,440	(85,113)	-	2,463,076	18,690	(85,113)	(4,250)	-
MO920 Residential - Space Heat	317,641,028	(2,186,781)	6,454,389	-	315,454,247	(3,491)	6,454,389	(2,186,781)	-
MO921 Residential - Multiple Occupancy	6,938,955	(85,438)	219,759	-	6,853,517	-	219,759	(45,039)	-
MO912 Residential - Water Heat	80,359,571	(467,130)	(1,138,556)	-	79,892,441	-	(1,138,556)	(467,266)	-
MO913 Residential - Electric Space Heat	20,800	334	(1,138)	-	20,966	-	(1,138)	334	-
MO915 Residential - Other Use	6,030,544	(109,193)	(140,156)	-	5,921,351	-	(140,156)	(109,193)	-
MO916 Residential - Fixed Bill	11,945,245	(5,281)	14,445	-	11,950,409	-	14,445	(5,281)	-
MO922 Residential - Limited Demand	528,514	(5,281)	14,445	-	523,233	10,028	(5,281)	(4,532,623)	11,373,535
Total Residential	749,899,827	(4,941,787)	(2,081,056)	31,273,535	784,568,509		(2,081,056)		
Small General Service									
MO930 General Service - Limited Demand	23,168,158	(125,522)	(35,552)	-	22,917,114	(3,445)	(35,552)	(121,277)	-
MO931 General Service - General Use	47,657,979	19,791	(286,771)	-	47,390,999	(5,257)	(286,771)	25,548	-
MO932 General Service - Limited w/ Space Heat	4,223,955	(156)	21,400	-	4,223,800	33,349	21,400	(1,046)	-
MO933 General Service - Electric Space Heat	22,987,115	(92,898)	(37,126)	-	22,894,217	55,479	(37,126)	(128,333)	-
MO934 General Service - Schools and Churches	1,655,815	(1,655)	(7,665)	-	1,654,160	-	(7,665)	(30,423)	-
MO941 General Service - Other Use	2,305,281	(7,665)	19,807	-	2,297,616	-	19,807	(7,665)	-
Total Small GS	105,433,155	(137,311)	(264,480)	2,346,144	107,233,508	89,375	(264,480)	(328,566)	2,346,144
Large General Service									
MO940 Large General Service	382,840,862	(2,584,789)	(1,004,490)	5,733,017	385,079,674	-	(1,004,490)	(3,586,399)	5,733,017
MO944 Large Power Service	653,270,854	488,738	-	105,996,572	765,639,164	-	-	408,738	105,996,572
Lighting									
MO936 Street & Private Area Lighting	19,816,936	-	-	-	19,816,936	-	-	-	-
MO971 Outdoor Night Lighting	482,172	-	-	-	482,172	-	-	-	-
MO972 Street Lighting	856,303	-	-	-	856,303	-	-	-	-
MO973 Traffic Signals	14,445	-	-	-	14,445	-	-	-	-
Total Lighting	21,617,426	-	-	-	21,617,426	-	-	-	-
Unaccounted for	-	-	-	-	-	-	-	-	-
Intrapartmental	21,000	-	-	-	21,000	-	-	-	-
Total MO kWh Sales	1,915,176,384	(4,954,385)	(3,354,038)	135,346,248	2,039,138,821	100,003	(3,354,038)	(7,056,548)	135,346,248

(1) Compiled by Staff witness Curt Wells
(2) Sponsored by Staff witness Shawn Lange
(3) Sponsored by Staff witness Amanda Mollen

AQUILA NETWORKS - L&P ELECTRIC
CASE NO. ER-2007-0004
DETAILS OF ADJUSTMENTS TO RATE REVENUE BY RATE CODE
(CALENDAR YEAR 2005, UPDATED THROUGH DECEMBER 31, 2004)

AQUILA NETWORKS - L&P ELECTRIC
CASE NO. ER-2007-0004
ADJUSTED MISSOURI RETAIL RATE REVENUE BY RATE CODE
(CALENDAR YEAR 2005, UPDATED THROUGH DECEMBER 31, 2004)

	Billed Revenue from Permanent Rates (1)	Annualization to Revenue (1)	Normalizations to Revenue (1)	Annualization for Growth (Through 12/31/2004) (1)	Total Rate Revenue	Annualization for Billing Corrections	Annualization for Rate Change	Normalizations for Weather	Annualization for 355 Days	Annualization for Growth/Land Change/ Lg Power Ann (Through 12/31/2004)	Total Adjustments
Residential											
MO310 Residential - General Use	\$1,015,785	\$1,663,173	(651,489)	\$0	\$0	(3282)	\$1,770,548	(614,499)	(101,293)	\$0	\$1,254,486
MO311 Residential - Occupancy	\$186,568	\$17,216	(\$1,878)	\$0	\$0	(1283)	\$1,312,944	329,273	(196,786)	\$0	\$1,415,110
MO312 Residential - Space Heat	\$1,298,955	\$1,246,437	\$0	\$0	\$0	\$0	\$13,320	\$7,512	(13,386)	\$0	\$33,196
MO313 Multiple Occupancy	\$1,298,955	\$1,246,437	(186,130)	\$0	\$0	\$0	\$445,873	(686,130)	(186,130)	\$0	\$33,196
MO314 Multiple Occupancy	\$5,225,487	\$419,815	(186,130)	\$0	\$0	\$0	\$0	\$0	(186,130)	\$0	\$0
MO315 Multiple Occupancy	\$419,815	\$419,815	(186,130)	\$0	\$0	\$0	\$0	\$0	(186,130)	\$0	\$0
MO316 Residential - Other Use	\$601,377	\$41,141	(14,432)	\$0	\$0	\$0	\$0	(12,333)	(14,432)	\$0	\$23,710
MO318 Residential - Fluid Bl	\$796,286	\$67,152	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$49,452
MO321 Residential - Fluid Bl	\$1,516,286	\$127,152	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,499
MO322 Residential - Fluid Bl	\$413,640,223	\$3,467,509	(8304,320)	\$281,367	\$46,639,377	\$1,352	\$3,732,884	(3506,320)	(3236,157)	\$280,337	\$3,289,257
Total Residential											
MO330 Small General Service	\$1,120,070	\$135,583	(58,025)	\$0	\$0	(3289)	\$134,755	(93,025)	(14,833)	\$0	\$116,558
MO331 General Service - Limited Demand	\$1,120,070	\$135,583	(58,025)	\$0	\$0	(3289)	\$134,755	(93,025)	(14,833)	\$0	\$116,558
MO332 General Service - Limited Demand	\$1,120,070	\$135,583	(58,025)	\$0	\$0	(3289)	\$134,755	(93,025)	(14,833)	\$0	\$116,558
MO333 General Service - Limited Demand	\$1,120,070	\$135,583	(58,025)	\$0	\$0	(3289)	\$134,755	(93,025)	(14,833)	\$0	\$116,558
MO334 General Service - Electric Space Heat	\$1,120,070	\$135,583	(58,025)	\$0	\$0	(3289)	\$134,755	(93,025)	(14,833)	\$0	\$116,558
MO335 General Service - Electric Space Heat	\$1,120,070	\$135,583	(58,025)	\$0	\$0	(3289)	\$134,755	(93,025)	(14,833)	\$0	\$116,558
MO336 General Service - Electric Space Heat	\$1,120,070	\$135,583	(58,025)	\$0	\$0	(3289)	\$134,755	(93,025)	(14,833)	\$0	\$116,558
MO337 General Service - Electric Space Heat	\$1,120,070	\$135,583	(58,025)	\$0	\$0	(3289)	\$134,755	(93,025)	(14,833)	\$0	\$116,558
MO338 General Service - Electric Space Heat	\$1,120,070	\$135,583	(58,025)	\$0	\$0	(3289)	\$134,755	(93,025)	(14,833)	\$0	\$116,558
MO339 General Service - Electric Space Heat	\$1,120,070	\$135,583	(58,025)	\$0	\$0	(3289)	\$134,755	(93,025)	(14,833)	\$0	\$116,558
MO340 General Service - Electric Space Heat	\$1,120,070	\$135,583	(58,025)	\$0	\$0	(3289)	\$134,755	(93,025)	(14,833)	\$0	\$116,558
MO341 Total Small GS	\$7,612,524	\$477,266	(143,131)	\$156,363	\$6,495,442	\$1,628	\$49,323,737	(44,248,464)	(32,433)	\$156,363	\$6,495,442
Large General Service											
MO346 Large General Service	\$18,576,334	\$1,874,475	(88,032)	\$240,215	\$18,872,492	\$0	\$1,176,908	(59,031)	(89,533)	\$240,215	\$1,351,658
MO347 Large General Service	\$24,031,139	\$833,457	\$0	\$3,276,948	\$24,741,387	\$0	\$322,817	\$0	\$10,840	\$3,276,948	\$3,809,740
Lighting											
MO351 Street & Private Area Lighting	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO352 Street & Private Area Lighting	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO353 Street & Private Area Lighting	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO354 Street & Private Area Lighting	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO355 Street & Private Area Lighting	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO356 Street & Private Area Lighting	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO357 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO358 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO359 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO360 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO361 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO362 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO363 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO364 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO365 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO366 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO367 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO368 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO369 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO370 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO371 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO372 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO373 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO374 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO375 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO376 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO377 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO378 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO379 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO380 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
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MO382 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO383 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO384 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO385 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO386 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO387 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO388 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO389 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO390 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO391 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO392 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO393 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO394 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO395 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO396 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO397 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO398 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO399 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO400 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO401 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO402 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO403 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO404 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO405 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO406 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO407 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO408 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO409 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO410 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO411 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO412 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO413 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO414 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO415 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO416 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO417 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO418 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO419 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO420 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO421 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO422 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO423 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO424 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO425 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO426 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO427 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO428 Traffic Signals	\$2,137,158	\$142,083	\$0	\$0	\$0	\$0	\$142,083	\$0	\$0	\$0	\$142,083
MO429 Traffic Signals	\$2,1										

AQUILA NETWORKS - MPS ELECTRIC
ADJUSTED MISSOURI RETAIL KWH SALES BY RATE CODE
(CALENDAR YEAR 2005, UPDATED THROUGH DECEMBER 31, 2005)

	As-Billed Sales (KWh) (1)	Annualization to 100% Sales (1)	Normalizations to 100% Sales (2)	Annualization for Growth & Large Power (3)	Total Sales (KWh)	Annualization for Billing Corrections	Normalizations for Weather	Annualization for 365 Days	Annualization for Growth & Large Power (3)
Residential									
MO660 Residential General Use	1,494,365,628	(10,274,071)	(52,362,375)	-	-	(5,621,291)	(52,362,375)	(16,500,700)	-
MO670 Residential w/ Space Heat	945,272,540	(8,105,481)	5,333,035	-	-	(12,867,003)	(52,362,375)	(741,680)	-
Total Residential	2,439,638,174	(18,379,552)	(47,029,340)	140,178,806	2,714,326,008	(12,867,003)	(47,029,340)	(5,392,440)	140,178,806
Small General Service									
MO10711 Small GS	766,452,293	(5,177,646)	(7,532,277)	-	-	(2,155,072)	(7,532,277)	(3,032,554)	-
MO116 Small GS w/KW mtr. PH	812,080	-	-	-	-	(96,228)	-	(63,095)	-
MO140 Schools & Churches	30,281,837	(199,273)	(451,206)	-	-	-	(451,206)	-	-
MO600 Multi Water Pumps	7,439,335	-	-	-	-	-	-	-	-
MO810 Multi Plant & Rec.	2,457,232	-	-	-	-	-	-	-	-
MO811 Multi Plant & Rec. 3-phase	1,445,416	-	-	-	-	-	-	-	-
Total Small GS	809,968,183	(5,336,900)	(7,973,483)	(37,230,487)	799,567,313	(2,251,201)	(7,973,483)	(3,083,599)	(27,230,487)
Large General Service									
MO120 Large GS, Secondary	819,979,713	(9,061,547)	(5,314,134)	-	-	(8,548,428)	(5,314,134)	(512,159)	-
MO125 Large GS, Primary	3,069,519	-	-	-	-	-	-	-	-
MO171 Large GS, Primary	1,900,534	-	-	-	-	-	-	-	-
Total Large GS	824,949,766	(9,061,547)	(5,314,134)	(14,681,418)	826,974,566	(8,548,428)	(5,314,134)	(512,159)	(14,681,418)
Large Power									
MO130 Large PS, Secondary	944,533,710	(85,897)	-	155,036,852	-	-	-	(85,897)	155,036,852
MO135 Large PS, Primary	21,815,425	283,592	-	(84,081,537)	-	-	-	283,592	(84,081,537)
MO137 RTP (377)	21,869,181	-	-	(12,746,742)	-	-	-	-	(12,746,742)
MO137 RTP (377)	16,647,331	-	-	-	-	-	-	-	-
Total Large Power	1,209,065,712	187,445	-	58,209,573	1,357,490,930	-	-	187,445	58,209,573
Special									
MO19 Special General Service	5,560,351	-	-	(5,560,351)	-	-	-	-	(5,560,351)
MO200 Special General Service Storage	8,151,169	-	-	-	8,151,169	-	-	-	-
Total Special	13,711,520	-	-	(5,560,351)	8,151,169	-	-	-	(5,560,351)
Lighting									
MO199 Other	44,565,332	-	-	-	44,565,332	-	-	-	-
Uncounted for									
MO199 Other	1,000	-	-	-	1,000	-	-	-	-
Interdepartmental									
MO199 Other	342,000	-	-	-	342,000	-	-	-	-
Total MO LWH Sales	5,445,263,707	(32,880,154)	(60,398,957)	138,936,222	5,711,223,618	(23,786,823)	(60,398,957)	(8,793,535)	138,936,222

AQUILA NETWORKS - MPS ELECTRIC
CASE NO. ER-2007-0004
ADJUSTED MISSOURI RETAIL RATE REVENUE BY RATE CODE
(CALENDAR YEAR 2005, UPDATED THROUGH DECEMBER 31, 2006)

AQUILA NETWORKS - MPS ELECTRIC
CASE NO. ER-2007-0004
ADJUSTED MISSOURI RETAIL RATE REVENUE BY RATE CODE
(CALENDAR YEAR 2005, UPDATED THROUGH DECEMBER 31, 2006)

	billed Revenue from Permitted Service (1)	Annualization to Revenue (1)	Normalizations to Revenue (1)	Annualization for Growth/Large Power Annualization(2)	Total Rate Revenue	Annualization for Billing Corrections	Normalizations for Weather	Annualization for 345 Days	Annualization for Rate Change	Annualization for Growth/Load Changes/ Lg Power Ann (through 12/31/2006)
Residential										
MO860 Residential General Use	\$129,224,924	\$1,611,187	(32,821,424)	\$0		(\$390,400)	(1,821,414)	(532,249)	\$16,823,335	
MO870 Residential w/ Space Heat	\$59,140,529	\$7,598,182	(1196,889)	\$0		(\$348,590)	(149,287)	(44,232)	\$7,859,563	
Total Residential	\$188,365,453	\$9,209,369	(\$4,030,313)	\$0	\$9,217,316,292	(\$738,989)	(\$4,220,313)	(\$384,071)	\$24,722,899	\$9,346,211
Small General Service										
MO710/711 Small GS	\$50,444,542	\$5,320,486	(4404,402)	\$0		(\$116,757)	(4404,402)	(1160,344)	\$5,597,587	
MO716 Small GS w/AV mtr. Pri	\$45,641	\$5,142	\$0	\$0		\$0	\$0	\$0	\$5,142	
MO740 Schools & Churches	\$2,036,364	\$214,594	(37,413)	\$0		(\$5,181)	(17,413)	(14,004)	\$214,179	
MO800 Multi Water Pumps	\$444,342	\$52,218	\$0	\$0		\$0	\$0	\$0	\$52,218	
MO810 Multi Park & Rec	\$198,417	\$22,842	\$0	\$0		\$0	\$0	\$0	\$22,842	
MO811 Multi Fire & Police	\$5,448,425	\$574,425	\$0	\$0		\$0	\$0	\$0	\$574,425	
Total Small GS	\$55,288,068	\$8,437,447	(\$931,815)	\$0	\$8,446,033	(\$121,839)	(\$931,815)	(\$144,348)	\$9,327,794	(\$2,811,348)
Large General Service										
MO720 Large GS Secondary	\$41,931,351	\$2,911,922	(387,007)	\$35,254		(\$380,978)	(387,007)	(622,811)	\$3,315,771	\$35,254
MO721 Large GS Primary	\$1,800,386	\$130,290	\$0	(\$583,793)		\$0	\$0	\$0	\$130,290	(\$583,793)
MO722 Large GS Tertiary	\$1,000,000	\$100,000	\$0	\$0		\$0	\$0	\$0	\$100,000	\$0
Total Large GS	\$44,731,737	\$3,942,212	(\$387,007)	(\$548,539)	\$44,823,121	(\$380,978)	(\$387,007)	(\$622,811)	\$3,445,061	(\$548,539)
Large Power										
MO730 Large PS Secondary	\$22,401,518	\$1,922,602	\$0	\$6,198,183		\$0	\$0	\$0	\$1,995,032	\$6,198,183
MO731 Large PS Primary	\$4,575,324	\$2,027,364	\$0	(\$1,419,312)		\$0	\$0	\$0	\$2,027,364	(\$1,419,312)
MO732 RTP (731)	\$1,281,174	\$0	\$0	(\$1,211,311)		\$0	\$0	\$0	\$0	(\$1,211,311)
MO737 RTP (737)	\$1,231,883	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0
Total Large Power	\$8,579,754	\$3,950,156	\$0	\$5,026,550	\$5,236,454	\$0	\$0	\$0	\$3,950,156	\$3,026,550
Special										
MO810 Special Compact (Modus)	\$221,049	\$71,121	\$0	(\$306,000)		\$0	\$0	\$0	\$71,121	(\$306,000)
MO820 Thermal Energy Storage	\$34,177	\$39,727	\$0	\$0		\$0	\$0	\$0	\$39,727	\$0
Total Special	\$377,146	\$111,808	\$0	(\$306,000)	\$39,854	\$0	\$0	\$0	\$111,808	(\$306,000)
MOtxx										
MOtxx Lighting	\$5,682,382	\$641,335	\$46	\$0		\$0	\$0	\$0	\$641,335	\$0
Unaccounted for	(\$128,219)		\$0		(\$128,219)					
MO888 Interdepartmental	\$10,404				\$10,404					
Total MO 8 from Permanent Rates	\$346,284,063	\$36,682,912	(\$4,890,033)	\$6,217,292	\$386,004,174	(\$1,141,873)	(\$4,330,833)	(\$549,289)	\$38,465,176	\$8,227,292

(1) Sponsored by Staff advised Curt Wells
(2) Sponsored by Amanda McHellen