STATEMENTS

INTRODUCTION

This section provides a comparative summary of depreciation rates, annual depreciation accruals, recorded and computed depreciation reserves, and present and proposed service life statistics recommended for Corporate Assets – MPS and Corporate Assets - SJLP. The content of these statements is briefly described below.

- Statement A provides a comparative summary of present and proposed annual depreciation rates using the vintage group procedure, wholelife technique with amortization of reserve imbalances.
- Statement B provides a comparison of the present and proposed 2003 annualized depreciation accruals based upon the rates developed in Statement A.
- Statement C provides a comparison of the recorded, computed and redistributed reserves for each rate category at December 31, 2002.
- Statement D provides a summary of the components used to obtain a weighted average net salvage rate for each plant account.
- Statement E provides a comparative summary of present and proposed parameters including projection life, projection curve and future net salvage rates. The statement also contains present and proposed statistics including average service life, average remaining life, and average net salvage rates.
- Statement F provides plant and reserve allocation factors and the derivation of plant and reserves allocated to Missouri operations.

Present depreciation accruals shown on Statement B are the product of the plant investment (Column B) and the present depreciation rates (Column D) shown on Statement A. These are the current Missouri rates used by the Company for the mix of investments estimated at December 31, 2002. Similarly, proposed depreciation accruals shown on Statement B are the product of the plant investment and the proposed depreciation rates (Column I) shown on Statement A. Proposed accrual rates shown on Statement A are given by:

Accrual Rate =
$$\frac{1.0 - Average \ Net \ Salvage}{Average \ Life} + \frac{Computed \ Reserve - Recorded \ Reserve}{Remaining \ Life}$$

where Average Net Salvage, Computed Reserve and Recorded Reserve are expressed in percent. This formulation of the accrual rate is equivalent to

$$Accrual\ Rate = \frac{1.0 - Reserve\ Ratio - Future\ Net\ Salvage\ Rate}{Remaining\ Life}.$$

 $Statements\ A\ through\ F$

Aquila Corporate Assets - MPS

Statement A

Comparison of Present and Proposed Accrual Rates
Present: BG Procedure / WL Technique
Proposed: VG Procedure / RL Technique

		Presen	t	Proposed					
	Avg.	Net	Accrual	Avg.	Avg. Net	W/L	Amorti-	R/L	
Account Description	Life	Salvage	Rate	Life	Salvage	Rate	zation	Rate	
Α	В	С	Φ	E	F	G	Н	l≖G+H	
GENERAL PLANT									
390001 Structures and Improvements			2.22%	44.97	2.9%	2.16%	0.28%	2.44%	
391001 Office Furniture and Equipment			7.69%	19.95		5.01%	0.77%	5.78%	
391003 Computers - Hardware				4.95		20.20%	12.96%	33.16%	
391004 Computer Software				9.85		10.15%	3.59%	13.74%	
391005 Computer Systems Development				9.37		10.67%	9.20%	19.87%	
392004 Trans, Equip Medium Trucks			11.11%	11.27		8.87%	39.46%	48.33%	
394000 Tools, Shop & Garage Equipment				20.39		4.90%	2.80%	7.70%	
395000 Laboratory Equipment				15.11		6.62%	8.63%	15.25%	
397000 Communication Equipment			5.00%	9.97		10.03%	5.98%	16.01%	
398000 Miscellaneous Equipment			5.56%	10.07		_9.93%	6.65%	16.58%	
Total General Plant			1.39%	12.27	0.7%	8.09%	3.77%	11.86%	

Aquila Corporate Assets - MPS

Comparison of Present and Proposed Accruals Present: BG Procedure / WL Technique Proposed: VG Procedure / RL Technique Statement B

	12/31/02		2003	Annualized Acc	rual	
	Plant			Prop	osed	
Account Description	Investment	Present	Whole-Life	Amortization	Total	Difference
A	8	c	D	ε	F=D+E	G=F-C
GENERAL PLANT						
390001 Structures and Improvements	\$16,586,756	\$368,226	\$358,274	\$46,443	\$404,717	\$36,491
391001 Office Furniture and Equipment	3,283,822	252,526	164,519	25,286	189,805	(62,721
391003 Computers - Hardware	3,847,681		777,232	498,659	1,275,891	1,275,891
391004 Computer Software	21,104,602		2,142,117	757,655	2,899,772	2,899,772
391005 Computer Systems Development	5,636,230		601,386	518,533	1,119,919	1,119,919
392004 Trans. Equip Medium Trucks	5,688	632	505	2,244	2,749	2,117
394000 Tools, Shop & Garage Equipment	83,065		4,070	2,326	6,396	6,396
395000 Laboratory Equipment	16,201		1,073	1,398	2,471	2,471
397000 Communication Equipment	2,065,696	103,285	207,189	123,529	330,718	227,433
398000 Miscellaneous Equipment	146,187	8,128	14,516	9,722	24,238	16,110
Total General Plant	\$52,775,928	\$732,797	\$4,270,881	\$1,985,795	\$6,256,676	\$5,523,879

Aquila Corporate Assets - MPS
Depreciation Reserve Summary
Vintage Group Procedure
December 31, 2002

Statement C

	Plant		Recorded F	Reserve		Computed R	eserve	Redistributed	Reserve
Account Description	Investment	Allocated	Adjustment	Total	Ratio	Amount	Ratio	Amount	Ratio
Α	В	С	D	E=C+D	F=E/B	G	H=G/B	1	J=I/B
GENERAL PLANT									
390001 Structures and Improvements	\$16,586,756	\$1,126,697	(\$28,659)	\$1,098,038	6.62%	\$2,175,038	13.11%	\$312,417	1.88%
391001 Office Furniture and Equipment	3,283,822	289,291	3,928	293,219	8.93%	500,392	15.24%	71,875	2.19%
391003 Computers - Hardware	3,847,681	(465,078)	(372,863)	(837,941)	-21.78%	1,647,896	42.83%	236,700	6.15%
391004 Computer Software	21,104,602	2,608,430	(2,106,578)	501,852	2.38%	6,170,686	29.24%	886,342	4.20%
391005 Computer Systems Development	5,636,230	1,249,231	(598,233)	650,998	11.55%	2,827,138	50.16%	406,083	7.20%
392004 Trans. Equip Medium Trucks	5,688	(2,813)	(144)	(2,957)	-51.98%	4,769	83.85%	685	12.04%
394000 Tools, Shop & Garage Equipment	83,065	66,090	(4,743)	61,347	73.85%	33,161	39.92%	4,763	5.73%
395000 Laboratory Equipment	16,201	1,867	(614)	1,253	7.74%	9,778	60.36%	1,405	8.67%
397000 Communication Equipment	2,065,696	220,960	(10,003)	210,957	10.21%	847,412	41.02%	121,720	5.89%
398000 Miscellaneous Equipment	146,187	74,307	133	74,440	50.92%	64,165	43.89%	9,217	6.30%
Total General Plant	\$52,775,928	\$5,168,982	(\$3,117,776)	\$2,051,206	3.89%	\$14,280,435	27.06%	\$2,051,206	3.89%

Aquila Corporate Assets - MPS Average Net Salvage

Statement D

		Plant Investmen	t	Salvage	Rate		let Salvage	 e	Average	
Account Description	Additions	Retirements	Survivors	Realized	Future	Realized	Future	Total	Rate	
A	В	С	D=B-C	Ε	F	G=E*C	H≈F*D	I=G+H	J=I/B	
GENERAL PLANT										
390001 Structures and Improvements	\$17,730,438	\$1,143,682	\$16,586,756	44.3%		\$506.651		\$506.651	2.9%	
391001 Office Furniture and Equipment	4,973,263	1,689,441	3,283,822			4000,001		4000,001	2.070	
391003 Computers - Hardware	15,924,258	12,076,577	3,847,681							
391004 Computer Software	26,128,438	5,023,836	21,104,602							
391005 Computer Systems Development	8,018,639	2,382,409	5,636,230							
392004 Trans. Equip Medium Trucks	11,159	5,471	5.688							
394000 Tools, Shop & Garage Equipment	112,696	29,631	83.065							
395000 Laboratory Equipment	29,654	13,453	16,201							
397000 Communication Equipment	2,534,514	468,818	2,065,696							
398000 Miscellaneous Equipment	_ 214,264	68,077	146,187							
Total General Plant	\$75,677,324	\$22,901,396	\$52,775,928	2.2%		\$506,651		\$506,651	0.7%	

Aquila Corporate Assets - MPS
Proposed Parameters
Vintage Group Procedure

Statement E

		F	resen	Param	eters			Р	roposed	l Param	eters	
Account Description	P-Life/ AYFR	Curve Shape	BG ASL	Rem. Life	Average Salvage	Future Salvage	P-Life/ AYFR	Curve Shape	VG ASL	Rem. Life	Average Salvage	Future Salvage
Α	В	C	D	E	F	G	Н	ī	J	ĸ	L	
SENERAL PLANT												
390001 Structures and Improvements							45.00	R5	44.97	40.24	2.9	
391001 Office Furniture and Equipment							20.00	L1.5	19.95	16.91		
91003 Computers - Hardware							5.00	R4	4,95	2.83		
391004 Computer Software							10.00	R4	9.85	6.97		
391005 Computer Systems Development							10.00	R4	9.37	4.67		
392004 Trans. Equip Medium Trucks							10.00	S3	11.27	1.82		
394000 Tools, Shop & Garage Equipment							20.00	L1.5	20.39	12.25		
395000 Laboratory Equipment							15.00	R4	15.11	5.99		
397000 Communication Equipment							10.00	S2	9.97	5.88		
398000 Miscellaneous Equipment							10.00	S2	10.07	5.65		
Total General Plant									12.27	8.11	0.7	

Aquila Corporate Assets - MPS Jurisdictional Allocations

Statement F

	Pla	ant Investm	ent	Depr	eciation Re	serve
Account Description	Corporate	Factor	Allocated	Corporate	Factor	Allocated
Α	В	С	D=B-C	В	С	D=B-C
GENERAL PLANT						
390001 Structures and Improvements	\$65,250,810	25.42%	\$16,586,756	\$4,634,704	24.31%	\$1,126,697
391001 Office Furniture and Equipment	12,933,525	25.39%	3,283,822	1,137,150	25.44%	289,291
391003 Computers - Hardware	15,795,080	24.36%	3,847,681	(2,091,178)	22.24%	(465,078)
391004 Computer Software	98,850,597	21.35%	21,104,602	12,805,254	20.37%	2,608,430
391005 Computer Systems Development	29,022,811	19.42%	5,636,230	6,432,704	19.42%	1,249,231
392004 Trans. Equip Medium Trucks	22,305	25.50%	5,688	(11,030)	25.50%	(2,813)
394000 Tools, Shop & Garage Equipment	t 326,258	25.46%	83,065	259,176	25.50%	66,090
395000 Laboratory Equipment	63,534	25.50%	16,201	7,321	25.50%	1,867
397000 Communication Equipment	4,972,787	41.54%	2,065,696	523,850	42.18%	220,960
398000 Miscellaneous Equipment	594,983	24.57%	146,187	304,289	24.42%	74,307
Total General Plant	\$227,832,690	23.16%	\$52,775,928	\$24,002,240	21.54%	\$5,168,982

Statements A through F

Aquila Corporate Assets - SJLP

398000 Miscellaneous Equipment

Total General Plant

Comparison of Present and Proposed Accrual Rates

Present: BG Procedure / WL Technique Proposed: VG Procedure / RL Technique

		Presen	t		Proposed					
	Avg.	Net	Accrual	Ανg.	Avg. Net	W/L	Amorti-	R/L		
Account Description	Life	Salvage	Rate	Life	Salvage	Rate	zation	Rate		
A	В	Ċ	D	E	F	G	н	Î=G+H		
GENERAL PLANT										
390001 Structures and Improvements			2.22%	44.97	2.9%	2.16%	0.28%	2.44%		
391001 Office Furniture and Equipment			7.69%	19.95		5.01%	0.77%	5.78%		
391003 Computers - Hardware				4.95		20.20%	12.90%	33.10%		
391004 Computer Software				9.85		10.15%	3.58%	13.73%		
391005 Computer Systems Development				9.37		10.67%	9.15%	19.82%		
392004 Trans. Equip Medium Trucks			11.11%	11.27		8.87%	39.26%	48.13%		
394000 Tools, Shop & Garage Equipment				20.39		4.90%	2.78%	7.68%		
395000 Laboratory Equipment				15.11		6.62%	8.58%	15.20%		
397000 Communication Equipment			5.00%	9.97		10.03%	5 94%	15 97%		

5.56%

1.41%

10.07

12.28

Statement A

6.62% 16.55%

3.88% 11.97%

9.93%

8.09%

0.7%

Aquila Corporate Assets - SJLP
Comparison of Present and Proposed Accruals
Present: BG Procedure / WL Technique
Proposed: VG Procedure / RL Technique

Statement B

	12/31/02		2003	Annualized Acc	crual	
	Plant			Prop	osed	
Account Description	Investment	Present	Whole-Life	Amortization	Total	Difference
A	В	С	D	€ .	F≉D+E	G=F-C
GENERAL PLANT						
390001 Structures and Improvements	\$5,376,667	\$119,362	\$116,136	\$15,055	\$131,191	\$11,829
391001 Office Furniture and Equipment	1,064,429	81,855	53,328	8,196	61,524	(20,331)
391003 Computers - Hardware	1,222,539		246,953	157,707	404,660	404,660
391004 Computer Software	6,356,093		645,143	227,549	872,692	872,692
391005 Computer Systems Development	2,249,268		239,997	205,808	445,805	445,805
392004 Trans. Equip Medium Trucks	1,851	206	164	727	891	685
394000 Tools, Shop & Garage Equipment	27,014		1,324	751	2,075	2,075
395000 Laboratory Equipment	5,273		349	452	801	801
397000 Communication Equipment	742,934	37,147	74,516	44,131	118,647	81,500
398000 Miscellaneous Equipment	47,361	2,633	4,703	3,135	7,838	5,205
Total General Plant	\$17,093,429	\$241,203	\$1,382,613	\$663,511	\$2,046,124	\$1,804,921

Aquila Corporate Assets - SJLP
Depreciation Reserve Summary
Vintage Group Procedure
December 31, 2002

Statement C

	Plant		Recorded R	eserve		Computed R	eserve	Redistributed	Reserve
Account Description	investment	Allocated	Adjustment	Total	Ratio	Amount	Ratio	Amount	Ratio
A	В	С	D	E=C+D	F≈E/B	G	H=G/B	1	J=1/B
GENERAL PLANT									
390001 Structures and Improvements	\$5,376,667	\$364,751	(\$9,414)	\$355,337	6.61%	\$705,048	13.11%	\$104,292	1.94%
391001 Office Furniture and Equipment	1,064,429	93,701	1,205	94,906	8.92%	162,199	15.24%	23,993	2.25%
391003 Computers - Hardware	1,222,539	(149,101)	(120,570)	(269,671)	-22.06%	523,592	42.83%	77,451	6.34%
391004 Computer Software	6,356,093	795,206	(654,649)	140,557	2.21%	1,858,431	29.24%	274,904	4.33%
391005 Computer Systems Development	2,249,268	498,535	(241,384)	257,151	11.43%	1,128,235	50.16%	166,891	7.42%
392004 Trans. Equip Medium Trucks	1,851	(915)	(48)	(963)	-52.02%	1,552	83.85%	230	12.40%
394000 Tools, Shop & Garage Equipment	27,014	21,512	(1,550)	19,962	73.90%	10,784	39.92%	1,595	5.91%
395000 Laboratory Equipment	5,273	608	(201)	407	7.72%	3,183	60.36%	471	8.93%
397000 Communication Equipment	742,934	79,625	(3,439)	76,186	10.25%	304,774	41.02%	45,083	6.07%
398000 Miscellaneous Equipment	47,361	24,069	43	24,112	50.91%	20,788	43.89%	3,075	6.49%
Total General Plant	\$17,093,429	\$1,727,991	(\$1,030,006)	\$697,985	4.08%	\$4,718,586	27.60%	\$697,985	4.08%

Aquila Corporate Assets - SJLP Average Net Salvage

Statement D

		Plant Investment	t	Salvage	Rate		Vet Salvag	e	Average
Account Description	Additions	Retirements	Survivors	Realized	Future	Realized	Future	Total	Rate
A	В	С	D=B-C	E	F	G=E*C	H=F*D	I=G+H	J=I/B
GENERAL PLANT									
390001 Structures and Improvements	\$5,747,396	\$370,729	\$5,376,667	44.3%		\$164,233		\$164,233	2.9%
391001 Office Furniture and Equipment	1,612,050	547,621	1,064,429			4101,200		Ψ10 1 ,200	2.5 /6
391003 Computers - Hardware	5,059,678	3,837,139	1,222,539						
391004 Computer Software	7,869,127	1,513,034	6,356,093						
391005 Computer Systems Development	3,200,023	950,755	2,249,268						
392004 Trans. Equip Medium Trucks	3,632	1,781	1,851						
394000 Tools, Shop & Garage Equipment	36,651	9,637	27.014						
395000 Laboratory Equipment	9,652	4,379	5,273						
397000 Communication Equipment	911,547	168,613	742,934						
398000 Miscellaneous Equipment	69,416	22,055	47,361						
Total General Plant	\$24,519,172	\$7,425,743	\$17,093,429	2.2%		\$164,233		\$164,233	0.7%

Aquila Corporate Assets - SJLP
Proposed Parameters
Vintage Group Procedure

Statement E

	Present Parameters						_ P	roposed	l Param	eters		
Account Description	P-Life/ AYFR	Curve Shape	BG ASL	Rem. Life	Average Salvage	Future Salvage	P-Life/ AYFR	Curve Shape	VG ASL	Rem. Life	Average Salvage	Future Salvage
A	В	С	D	É	F	G	Н	Ī	J	к	L	М
GENERAL PLANT												
390001 Structures and Improvements							45.00	R5	44.97	40.24	2.9	
391001 Office Furniture and Equipment							20.00	L1.5	19.95	16.91		
391003 Computers - Hardware							5.00	R4	4.95	2.83		
391004 Computer Software							10.00	R4	9.85	6.97		
391005 Computer Systems Development							10.00	R4	9.37	4.67		
392004 Trans. Equip Medium Trucks							10.00	S3	11.27	1.82		
394000 Tools, Shop & Garage Equipment							20.00	L1.5	20.39	12.25		
395000 Laboratory Equipment							15.00	R4	15.11	5.99		
397000 Communication Equipment							10.00	S2	9.97	5.88		
398000 Miscellaneous Equipment							10.00	S2	10.07	5.65		
Total General Plant				-					12.28	8.01	0.7	

Aquila Corporate Assets - SJLP Jurisdictional Allocations

Statement F

	Pla	ant investm	ent	Depr	eciation Re	serve
Account Description	Corporate	Factor	Allocated	Corporate	Factor	Allocated
A	В	С	D=8-C	В	С	D=B-C
GENERAL PLANT						
390001 Structures and Improvements	\$65,250,810	8.24%	\$5,376,667	\$4,634,704	7.87%	\$364,751
391001 Office Furniture and Equipment	12,933,525	8.23%	1,064,429	1,137,150	8.24%	93,701
391003 Computers - Hardware	15,795,080	7.74%	1,222,539	(2,091,178)	7.13%	(149,101
391004 Computer Software	98,850,597	6.43%	6,356,093	12,805,254	6.21%	795,206
391005 Computer Systems Development	29,022,811	7.75%	2,249,268	6,432,704	7.75%	498,535
392004 Trans. Equip Medium Trucks	22,305	8.30%	1,851	(11,030)	8.30%	(915
394000 Tools, Shop & Garage Equipment	326,258	8.28%	27,014	259,176	8.30%	21,512
395000 Laboratory Equipment	63,534	8.30%	5,273	7,321	8.30%	608
397000 Communication Equipment	4,972,787	14.94%	742,934	523,850	15.20%	79,625
398000 Miscellaneous Equipment	594,983	7.96%	47,361	304,289	7.91%	24,069
Total General Plant	\$227,832,690	7.50%	\$17,093,429	\$24,002,240	7.20%	\$1,727,991

ANALYSIS

INTRODUCTION

This section provides an explanation of the supporting schedules developed in the Corporate Assets depreciation study to estimate appropriate projection curves, projection lives and statistics for each rate category. The form and content of the schedules developed for an account depend upon the method of analysis adopted for the category.

This section also includes an example of the supporting schedules developed for Account 390001 – Structures and Improvements as an illustration. Documentation for all other plant accounts is contained in the study work papers. The supporting schedules developed in the Corporate Assets study include:

Schedule A – Generation Arrangement;

Schedule B – Age Distribution;

Schedule C - Unadjusted Plant History;

Schedule D – Adjusted Plant History;

Schedule E - Actuarial Life Analysis;

Schedule F - Graphics Analysis; and

Schedule G – Historical Net Salvage Analysis.

The format and content of these schedules are briefly described below.

SCHEDULE A - GENERATION ARRANGEMENT

The purpose of this schedule is to obtain appropriate weighted-average life statistics for a rate category. The weighted-average remaining-life is the sum of Column H divided by the sum of Column I. The weighted average life is the sum of Column C divided by the sum of Column I.

It should be noted that the generation arrangement does not include parameters for net salvage. Computed Net Plant (Column C) and Accruals (Column I) must be adjusted for net salvage to obtain a correct measurement of theoretical reserves and annualized depreciation accruals.

The following table provides a description of each column in the generation arrangement.

Generation Arrangement

Column	Title	Description
A	Vintage	Vintage or placement year of surviving plant.
В	Age	Age of surviving plant at beginning of study year.
С	Surviving Plant	Actual dollar amount of surviving plant.
D	Average Life	Estimated average life of each vintage. This statistic is the sum of the realized life and the unrealized life, which is the product of the remaining life (Column E) and the theoretical proportion surviving.
E	Remaining Life	Estimated remaining life of each vintage.
F	Net Plant Ratio	Theoretical net plant ratio of each vintage.
G	Allocation Factor	A pivotal ratio which determines the amortization period of the difference between the recorded and computed reserve.
Н	Computed Net Plant	Plant in service less theoretical reserve for each vintage.
I	Accrual	Ratio of computed net plant (Column H) and remaining life (Column E).

TABLE 3. GENERATION ARRANGEMENT

SCHEDULE B - AGE DISTRIBUTION

This schedule provides the age distribution and realized life of surviving plant shown in Column C of the Generation Arrangement (Schedule A). The format of the schedule depends upon the availability of either aged or unaged data. Derived additions for vintage years older than the earliest activity year in an account for unaged data are obtained from the age distribution of surviving plant at the beginning of the earliest activity year. The amount surviving from these vintages is shown in Column D. The realized life (Column G) is derived from the dollar years of service provided by a vintage over the period of years the vintage has been in service. Plant additions for vintages older than the earliest activity year in an account are represented by the opening balances shown in Column D.

The computed proportion surviving (Column D) for unaged is derived from a computed mortality analysis. The average service life displayed in the title block is the life statistic derived for the most recent activity year, given the derived age distribution at the start of the year and the specified retirement dispersion. The realized life (Column F) is obtained by finding the slope of an SC retirement dispersion, which connects the computed survivors of a vintage (Column E) to the recorded vintage addition (Column B). The realized life is the area bounded by the SC dispersion, the computed proportion surviving and the age of the vintage.

SCHEDULE C - UNADJUSTED PLANT HISTORY

This schedule provides a summary of recorded plant data extracted from the continuing property records maintained by Company. Activity year total amounts shown on this schedule for aged data are obtained from a historical arrangement of the data base in which all plant accounting transactions are identified by vintage and activity year. Activity year totals for unaged data are obtained from a transaction file without vintage identification. Information displayed in the unadjusted plant history is consistent with regulated investments reported internally by the Company.

SCHEDULE D - ADJUSTED PLANT HISTORY

This schedule provides a summary of recorded plant data extracted from the continuing property records maintained by the Company with sales, transfers, and adjustments appropriately aged for depreciation study purposes. Activity year total amounts shown on this schedule for aged data are obtained from a historical arrangement of the data base in which all plant accounting transactions are identified by vintage and activity year. Ageing of adjusting transactions is achieved using transaction codes that identify an adjusting year associated with the dollar amount of a transaction. Adjusting transactions processed in the adjusted plant history are not aged in the Company's records nor in the unadjusted plant history.

SCHEDULE E - ACTUARIAL LIFE ANALYSIS

These schedules provide a summary of the dispersion and life indications obtained from an actuarial life analysis for a specified placement band. The observation band (Column A) is specified to produce either a rolling-band or a shrinking-band analysis depending upon the movement of the end points of the band. The degree of censoring (or point of truncation) of the observed life table is shown in Column B for each observation band. The estimated average service life, best fitting Iowa dispersion, and a statistical measure of the goodness of fit are shown for each degree polynomial (First, Second, and Third) fitted to the estimated hazard rates. Options available in the analysis include the width and location of both the placement and observation bands; the interval of years included in a selected rolling or shrinking band analysis; the estimator of the hazard rate (actuarial, conditional proportion retired, or maximum likelihood); the elements to include on the diagonal of a weight matrix (exposures, inverse of age, inverse of variance, or unweighted); and the age at which an observed life table is truncated.

The estimated average service lives (Columns C, F, and I) are flagged with an asterisk if negative hazard rates are indicated by the fitted polynomial. All negative hazard rates are set equal to zero in the calculation of the graduated survivor curve. The Conformance Index (Columns E, H, and K) is the square root of the mean sum-of-squared differences between the graduated survivor curve and

the best fitting Iowa curve. A Conformance Index of zero would indicate a perfect fit.

SCHEDULE F - GRAPHICS ANALYSIS

This schedule provides a graphics plot of a) the observed proportion surviving for a selected placement and observation band; b) the statistically best fitting Iowa dispersion and derived average service life; and c) the projection curve and projection life selected to describe future forces of mortality.

SCHEDULE G - HISTORICAL NET SALVAGE ANALYSIS

This schedule provides a moving analysis of the ratio of realized net salvage (Column I) to the associated retirements (Column B). This schedule also provides a moving average analysis of the components of net salvage related to retirements. The ratio of gross salvage to retirements is shown in Column D and the ratio of cost of removal to retirements is shown in Column G.

General Plant

Depreciable General Plant

Account: 390001 Structures and Improvements

Dispersion: 45 - R5

Procedure: Vintage Group

Generation Arrangement

eneration	Arrange	ment						
	Dec	ember 31, 2002			Net			
		Surviving	Avg.	Rem.	Plant	Alloc.	Computed	
Vintage	Age	Plant	Life	Life	Ratio	Factor	Net Plant	Accrual
Α	8	С	D	E	F	G	H=C*F*G	I=H/E
2002	0.5	4,764,788	44.93	44.50	0.9904	1.0000	4,718,943	106,044
2001	1.5	11,441,163	45.00	43.50	0.9667	1.0000	11,059,792	254,248
2000	2.5	269,189	44.03	42.50	0.9652	1.0000	259,811	6,113
1999	3.5	454,812	44.96	41.50	0.9230	1.0000	419,810	10,116
1998	4.5	470,277	44.99	40.50	0.9002	1.0000	423,335	10,453
1997	5.5	44,703,387	45.00	39.50	0.8778	1.0000	39,239,705	993,410
1996	6.5	42,261	44.29	38.50	0.8693	1.0000	36,736	954
1995	7.5	60,988	44.41	37.50	0.8445	1.0000	51,504	1,373
1994	8.5	174,587	44.15	36.50	0.8268	1.0000	144,350	3,955
1993	9.5	960,384	44.75	35.50	0.7934	1.0000	761,948	21,463
1992	10.5	213,692	43.88	34.50	0.7862	1.0000	168,010	4,870
1991	11.5	331,302	44.36	33.50	0.7552	1.0000	250,195	7,468
1990	12.5	63,200	45.00	32.50	0.7222	1.0000	45,645	1,404
1989	13.5	21,086	44.12	31.50	0.7140	1.0000	15,055	478
1988	14.5	12,272	43.88	30.50	0.6951	1.0000	8,530	280
1987	15.5	364,145	44.70	29.50	0.6599	1.0000	240,312	8,146
1986	16.5	140,712	44.91	28.50	0.6346	1.0000	89,294	3,133
1985	17.5	81,206	44.11	27.50	0.6235	1.0000	50,633	1,841
1984	18.5	642,823	44.31	26.50	0.5981	1.0000	384,463	14,508
1983	19.5	38,537	43.66	25.50	0.5841	1.0000	22,508	883
Total	4.8	\$65,250,810	44.97	40.24	0.8949	1.0000	\$58,390,577	\$1,451,140

Schedule A

Page 1 of 1

General Plant

Depreciable General Plant

Account: 390001 Structures and Improvements

Schedule B Page 1 of 1

Age Distribution

			1999	Experi	ence to 12/31.	/2002
	Age as of	Derived	Opening	Amount	Proportion	Realized
Vintage	12/31/2002	Additions	Balance	Surviving	Surviving	Life
Α	В	С	D	E	F=E/(C+D)	G
2002	0.5	5,510,775		4,764,788	0.8646	0.432
2001	1.5	11,441,163		11,441,163	1.0000	1.5000
2000	2.5	756,033		269,189	0.3561	1.534
1999	3.5	467,241		454,812	0.9734	3.460
1998	4.5		473,143	470,277	0.9939	4.4909
1997	5.5		44,705,584	44,703,387	1.0000	5.4999
1996	6.5		53,527	42,261	0.7895	5.7906
1995	7.5		100,987	60,988	0.6039	6.9059
1994	8.5		405,706	174,587	0.4303	7.6455
1993	9.5		1,156,784	960,384	0.8302	9.2453
1992	10.5		842,056	213,692	0.2538	9.3807
1991	11.5		577,917	331,302	0.5733	10.8599
1990	12.5		63,200	63,200	1.0000	12.5000
1989	13.5		51,047	21,086	0.4131	12.6196
1988	14.5		48,310	12,272	0.2540	13.3810
1987	15.5		454,659	364,145	0.8009	15.2014
1986	16.5		149,572	140,712	0.9408	16.4111
1985	17.5		201,245	81,206	0.4035	16.6053
1984	18.5		1,175,737	642,823	0.5467	17.8086
1983	19.5		183,079	38,537	0.2105	18.1614
1978	24.5		40,187		0.0000	21.0000
1977	25.5		19,827		0.0000	22.0000
1976	26.5		938		0.0000	23.0000
1975	27.5		14,345		0.0000	24.0000
1973	29.5		959		0.0000	26.0000
1971	31.5		1,765		0.0000	28.0000
1969	33.5		2,940		0.0000	30.0000
1968	34.5		353		0.0000	31.0000
1967	35.5		1,464		0.0000	32.0000
1966	36.5		1,832		0.0000	33.0000
1965	37.5		284		0.0000	34.0000
1962	40.5		291		0.0000	37.0000
1961	41.5		397		0.0000	38.0000
1960	42.5		616		0.0000	39.0000
1959	43.5		9,131		0.0000	40.0000
1958	- 44.5		33,889		0.0000	41.0000
1957	45.5		802,970		0.0000	42.0295
Total		\$18,175,213	\$51,574,740	\$65,250,810	0.9355	

General Plant

Depreciable General Plant

Account: 390001 Structures and Improvements

Schedule C Page 1 of 1

Unadjusted Plant History

				O-l Transfers	
Year	Beginning Balance	Additions	Retirements	Sales, Transfers & Adjustments	Ending Balance
Α	В	C	D	E	F=B+C-D+E
1999	45,144,336	874,914	930,896	7,639,934	52,728,289
2000	52,728,289	1,478,779	41,831	(341,431)	53,823,805
2001	53,823,805	10,032,260	2,780,428	(2,073,442)	59,002,195
2002	59,002,195	6,994,602	745,987		65,250,810

General Plant

Depreciable General Plant

Account: 390001 Structures and Improvements

Schedule D Page 1 of 1

Adjusted Plant History

Year	Beginning Balance	Additions	Retirements	Sales, Transfers & Adjustments	Ending Balance
A	В	С	D	Ę	F=B+C-D+E
1999	45,687,028	606,983	930,896	7,639,934	53,003,048
2000	53,003,048	1,179,195	41,831	(341,431)	53,798,981
2001	53,798,981	11,540,912	2,780,428	(2,073,442)	60,486,023
2002	60,486,023	5,510,775	745,987		65,250,810

General Plant

Depreciable General Plant

Account: 390001 Structures and Improvements

Schedule E Page 1 of 1

T-Cut: None

Placement Band: 1957-2002

Hazard Function: Proportion Retired

Rolling Band Life Analysis

Weighting: Exposures

		First Degree			Se	cond Deg	jree	Third Degree		
Observation Band Censoring		Average Life	Disper- sion	Conf. Index	Average Life	Disper- sion	Conf. Index	Average Life	Disper- sion	Conf. Index
А	В	С	D	E	F	G	Н	I	J	K
1999-2002	0.0	13.3	12.	1.39	16.1	S1.5	0.45	16.2	S1.5 *	0.43

General Plant

Depreciable General Plant

Account: 390001 Structures and Improvements

Schedule F Page 1 of 1

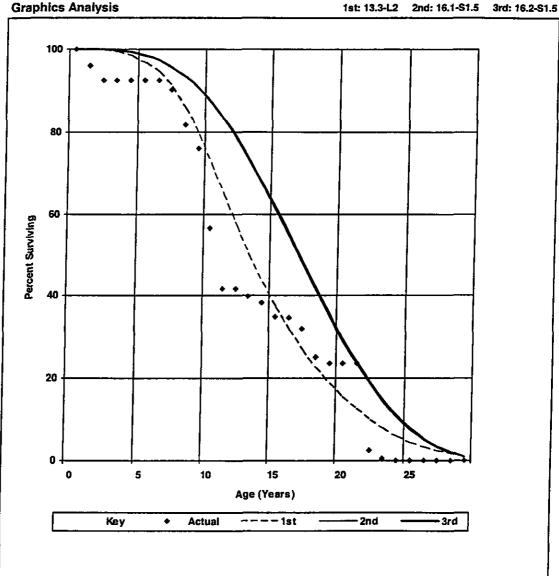
T-Cut: None

Placement Band: 1957-2002 Observation Band: 1999-2002

Hazard Function: Proportion Retired

Weighting: Exposures

Graphics Analysis



General Plant

Depreciable General Plant

Account: 390001 Structures and Improvements

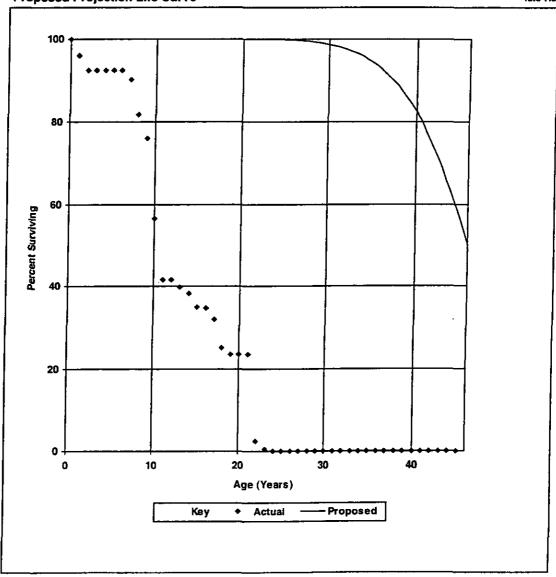
Schedule F Page 1 of 1

T-Cut: None

Placement Band: 1957-2002 Observation Band: 1999-2002

45.0-R5





General Plant

Depreciable General Plant

Account: 390001 Structures and Improvements - Owned

Schedule G Page 1 of 1

Unadjusted Net Salvage History

		Gros	Gross Salvage		Cost	Cost of Retiring			Net Salvage		
				1-Yr			1-Yr			1-Yr	
Year	Retirements	Amount	Pct.	Avg.	Amount	_Pct	Avg.	Amount	Pct.	Avg.	
Α	В	С	D=C/B	E	F	G≈F/B	H	I=C-F	J=I/B	ĸ	
1999	930,896	155	0.0	0.0		0.0	0.0	155	0.0	0.0	
2000	41,831		0.0	0.0		0.0	0.0		0.0	0.0	
2001	2,780,428	1,145,739	41.2	41.2		0.0	0.0	1,145,739	41.2	41.2	
2002	745,987	847,000	113.5	113.5		0.0	0.0	847,000	113.5	113.5	
Total	4,499,143	1,992,894	44.3			0.0		1,992,894	44.3		

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the matter of Aquila, Inc. d/b/a Aquila Networks-L&P, for authority to file tariffs Increasing steam rates for the service provided To customers in the Aquila Networks-L&P area)) Case No. HR)
Country of Loc	
County of Lee)	
State of Florida) ss	
AFFIDAVIT OF RO	NALD E. WHITE
Ronald E. White, being first duly sworn, sponsors the accompanying testimony entitled "D testimony was prepared by him and under his di made as to the facts in said testimony and schedulthat the aforesaid testimony and schedules are trinformation, and belief.	rection and supervision; that if inquiries were les, he would respond as therein set forth; and

Ronald E. White, Ph.D.

Subscribed and sworn to before me this 11th day of June, 2003.

Margaret E. Lange

My Commission expires:

OFFICIAL NOTARY SEAL MARGARET E LANGE NOTARY FUBLIC STATE OF FLORIDA COMMISSION NO. DD060266 MY COMMISSION EXP. OCT. 19 2005.