Exhibit No .: 1041

Issues: Income Tax-Straight Line Tax

Depreciation; Pensions and Post-

Retirement Benefit Costs:

Cash Working Capital-Current Income Tax; and Write Down of Corporate Plant Depreciation

Reserve

Witness: Steve M. Traxler Sponsoring Party: MoPSC Staff Type of Exhibit: Direct Testimony

ER-2004-0034 Case No.:

Date Testimony Prepared: December 9, 2003 as Modified February 27, 2004

MISSOURI PUBLIC SERVICE COMMISSION UTILITY SERVICES DIVISION

DIRECT TESTIMONY

OF

STEVE M. TRAXLER

AQUILA, INC. d/b/a AQUILA NETWORKS-MPS-Electric

CASE NO. ER-2004-0034

Exhibit No ...

Case No(s), CK-2004

Date 3-1-64

Jefferson City, Missouri December 2003

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the matter of Aquila, Inc. d/b/a Aquila Networks) L&P and Aquila Networks MPS to implement a) Case No. ER-2004-0034 general rate increase in electricity.)
AFFIDAVIT OF STEVE M. TRAXLER
STATE OF MISSOURI)) ss. COUNTY OF COLE)
Steve M. Traxler, of lawful age, on his oath states: that he has participated in the preparation of the following direct testimony as modified on February 27, 2004, in question and answer form, consisting of
Steve M. Traxler

Subscribed and sworn to before me this 27% day of February 2004.

TONI M. CHARLTON

NOTARY PUBLIC STATE OF MISSOURI

COUNTY OF COLE

My Commission Expires December 28, 2004

1	TABLE OF CONTENTS OF
2	DIRECT TESTIMONY OF
3	STEVE M. TRAXLER
4	AQUILA, INC. d/b/a AQUILA NETWORKS-MPS-ELECTRIC
5	
6	CASE NO. ER-2004-0034
7	
8	INCOME TAX EXPENSE - STRAIGHT LINE TAX DEPRECIATION3
9	HISTORICAL RATEMAKING TREATMENT – PENSION AND OPEBS COSTS
10	HISTORICAL ISSUES – STAFF VS. MISSOURI UTILITIES6
1	RECOMMENDATION FOR PENSION COSTS9
12	PREPAID PENSION ASSET
13	OPEBS - FINANCIAL ACCOUNTING STANDARD (FAS) 106 15
14	
15	
16	CASH WORKING CAPITAL - CURRENT INCOME TAX18
17	CORPORATE DEPRECIATION RESERVE WRITE DOWN18
18	

1		DIRECT TESTIMONY	
2		OF	
3		STEVE M. TRAXLER	
4	,	AQUILA, INC. d/b/a AQUILA NETWORKS-MPS-ELECTRIC	
5			
6		CASE NO. ER-2004-0034	
7			
8	Q.	Please state your name and business address.	
9	Α.	Steve M. Traxler, Noland Plaza Office Building, 3675 Noland Road,	
10	Independence	e, Missouri 64055.	
11	Q.	By whom are you employed and in what capacity?	
12	Α.	I am a Regulatory Auditor for the Missouri Public Service Commission	
13	(Commission).	
14	Q.	Please describe your educational background.	
15	A.	I graduated from Missouri Valley College at Marshall, Missouri, in 1974 with	
16	a Bachelor of	Science degree in Business Administration with a major in Accounting.	
17	Q.	Please describe your employment history.	
18	Α.	I was employed as an accountant with Rival Manufacturing Company in	
19	Kansas City	from June 1974 to May 1977. I was employed as a Regulatory Auditor with the	
20	Missouri Pub	olic Service Commission from June 1977 to January 1983. I was employed by	
21	United Telephone Company as a Regulatory Accountant from February 1983 to May 1986.		
22	In June 198	6, I began my employment with Dittmer, Brosch & Associates (DBA) in	
23	Lee's Summi	t, Missouri, as a Regulatory Consultant. I left DBA in April 1988. I was self-	

Please explain the relationship between book depreciation and straight-line tax

20

21

22

23

A. Annualized book depreciation is a result of multiplying the plant investment at September 30, 2003, the Staff's update period, by the book depreciation rates being recommended by Staff witness Rosella L. Schad of the Engineering and Management Services Department.

3 4

5

6

7 8

9

10

11 12

13

14 15

16

17

18

19 20

22

21

Straight-line tax depreciation is a result of multiplying the tax basis of plant investment by the same book depreciation rates. From a regulatory perspective, the only material difference between book depreciation included in cost of service and the tax deduction for book depreciation (straight-line tax depreciation) is the tax/book basis difference which was flowed through in rates prior to the passage of the Tax Reform Act of 1986. The ratio used in this case to calculate straight-line tax depreciation, 97.59% for MPS represents that ratepayers have already received a tax deduction in prior years for 2.41% of the book basis of depreciable plant.

- Q. Please explain how ratepayers received the benefit of a tax deduction in prior years equal to 2.41% of the book basis of depreciable plant at September 30, 2003.
- A. Prior to the Tax Reform Act of 1986, property taxes, interest, pensions and payroll taxes were capitalized as overheads for financial reporting (book) purposes, but were deductible for tax purposes in the current year. The Staff used flow-through tax accounting for these tax-timing differences prior to the 1986 Tax Reform Act.

Flow-through accounting means that the tax deduction of these capitalized overhead costs was reflected in the current year for both federal income tax and ratemaking purposes. The Tax Reform Act of 1986 eliminated this tax timing difference by capitalizing these overhead costs for both book and tax reporting. The tax/book ratio used by the Staff to calculate straight-line tax depreciation properly excludes the annualized book depreciation related to the basis difference flowed through prior to 1986.

HISTORICAL RATEMAKING TREATMENT – PENSION AND OPEBS COSTS

Q. Please explain FAS 87 and FAS 106.

- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22

- A. FAS 87 and FAS 106 are the Financial Accounting Standards Board (FASB) approved accrual accounting methods used for financial statement recognition of annual pension cost and other post-retirement employee benefit costs (OPEBs) over the service life of employees.
- Q. When were the accrual accounting methods for Pension and OPEBs costs, FAS 87 and FAS 106, adopted for ratemaking purposes?
- A. House Bill 1405 (Section 386.315, RSMo) approved by the Missouri Legislature in 1994 required the adoption of FAS 106 for setting rates for OPEBs costs. In Commission cases following the date that House Bill 1405 became law, the Staff began recommending the use of the accrual accounting method for pension costs, FAS 87, in order to use a similar accrual accounting method for all post-retirement employee benefit costs.
- Q. What method was used for setting rates for Pension and OPEBs costs prior to the requirement for using FAS 106 for OPEBs costs under House Bill 1405?
- A. Prior to House Bill 1405, rates were set on a "pay as you go" or "cash" basis for both Pension and OPEBs costs. The Employee Retirement Income Security Act of 1974 (ERISA) minimum contribution was used for pension cost and the utility's actual paid claims for other post-retirement employee benefit costs were used for benefit costs addressed in FAS 106. The other post-retirement benefit costs addressed in FAS 106 include retiree medical, dental and life insurance costs.
 - Q. What is the purpose of the 1974 ERISA federal legislation?
- The ERISA funding requirements are intended to ensure that Defined Benefit A. Pension Plans in the United States are adequately funded.

Q. Did the Commission approve Staff recommendations in prior cases for using the ERISA minimum contribution for the pension cost to be included in cost of service for setting rates?

4

5

3

A. Yes. Some of the cases in which the Commission adopted the use of the ERISA minimum contribution as the proper pension cost for setting rates are listed below:

6

7

8

9

10

15

16

17

18

19

20

21

22

23

Utility	Company

Case No.

St. Joseph Light & Power Company

ER-93-41

Missouri Cities Water Company

WR-92-207

Capital City Water Company

WR-94-297

HISTORICAL ISSUES - STAFF VS. MISSOURI UTILITIES

Q. Since the change in the Staff's position in recommending the adoption of FAS 87 for determining pension cost for setting rates, has there been a considerable difference of opinion between the Staff and utility companies regarding the proper assumptions to be used in calculating pension cost under FAS 87?

A. Yes. The methodology to be used in calculating pension cost under FAS 87 has been vigorously debated and tried in numerous cases involving the major electric, gas and water utility companies in Missouri.

- Q. What have been the primary issues between the Staff and utility companies regarding the assumptions used in calculating pension cost under FAS 87?
- A. The most important issue raised by the Staff addresses the use of assumptions by utility companies that do not accurately reflect the funded status of the pension plan. FAS 87 pension calculations that do not accurately reflect the funded status of the pension plan, result in pension costs that are excessive when compared to the actual cash funding

requirements under ERISA regulations. Annual pension cost under FAS 87, which is significantly higher than the amounts actually required to be contributed to the pension fund, results in a cash windfall to the utility and excessive rates to ratepayers.

The second most important issue involving pension cost calculated under FAS 87 is whether the result is so volatile from year-to-year that it becomes inappropriate for setting rates. While an important consideration, the "volatility" issue should never take precedence over the primary issue which is to make sure that the assumptions used to address volatility do not result in a pension cost which is significantly higher than the actual funding requirements of the plan, thereby resulting in excessive rates and a cash windfall to the utility.

- Q. How does the funded status of the pension plan impact the pension cost calculated under FAS 87?
- A. One of the assumptions used in FAS 87 is the expected rate of return assumption. The expected rate of return represents the annual income expected from investing the existing pension funds in debt and equity securities. Annual pension cost under FAS 87 will only be positive when the annual earned returns from investing the funded assets is less than the additional annual costs including, primarily, service and interest costs related to additional benefits earned by employees and the annual interest on the accumulated benefit obligation.

Prior to the significant devaluation of the stock market in 2001 and 2002, most pension funds for major utilities, like Aquila's pension fund, were so well-funded that pension cost under the Staff's FAS 87 method was a negative amount due largely to the fact that the actual returns earned on the pension fund assets were significantly higher than the expected returns. When the earned returns on the fund assets exceed the annual additional cost

(primarily service and interest) of accrued pension cost under FAS 87, then the net result is a negative amount for pension cost.

Q. What other factors can have a significant impact on pension cost under FAS 87 and on annual volatility in year-to-year results?

A. As discussed in my previous answer, significant differences often occur between "expected" results and "actual" results. These differences, as well as others described below, result in a gain or loss under FAS 87.

The expected rate of return assumption discussed in my last answer is an estimate based on an assumed long-range (20 to 30 years) return estimated by the Company's actuary. Aquila's actuary is currently using an expected rate of return of 7.0%. Significant differences can and do occur between actual short-term returns and the expected rate of return assumption. These differences between expected and actual result in a gain (actual return exceeds expected) or a loss (actual return is less than expected). Changes in other assumptions made by the actuary for the discount rate and interest rate, for example, will also result in a gain or a loss under FAS 87.

The appropriate time frame to be used in recognizing gains and losses under FAS 87 has been a significant issue between the Staff and major utilities since FAS 87 has been adopted by the Commission for setting rates. FAS 87 provides for considerable flexibility in choosing the time period used in recognizing (amortizing) gains and losses in calculating pension cost. The FAS 87 method recommended by the Staff in prior cases reflected gains and losses over a five-year period.

l

RECOMMENDATION FOR PENSION COSTS

- case?

- Q. What method for determining pension cost is Staff recommending for this
- A. The Staff is recommending that pension cost be calculated based upon the ERISA minimum contribution.
- Q. Why is the Staff recommending that FAS 87 no longer be used for determining pension cost for ratemaking purposes?
- A. As stated previously, one of the primary difficulties in using FAS 87 for calculating pension cost for ratemaking purposes is limiting the annual volatility to an acceptable level. The devaluation of the stock market in recent years has had a dramatic impact on FAS 87 pension costs for major utility companies in Missouri. Aquila's total company pension cost for 2001 and 2003 was (\$15,267,120) and \$8,427,028 respectively. This represents a \$24 million increase in two years.
- Q. What other FAS 87 result makes it undesirable for use in setting rates for a regulated utility?
- A. All pension plans for Missouri's major utility companies were well funded until the recent decline in the market value of equity investments. The annual earned returns on pension fund assets were significantly higher than the annual service cost and interest cost components of pension cost under FAS 87. This condition routinely resulted in a net negative pension cost under FAS 87. Using a negative pension cost in setting rates reduced the utility's current cash flow. It was the Staff's expectation that negative results under FAS 87 would be a short-term result as benefits were paid with no additional cash contributions to the well-funded plans. However, the actual earned returns on the pension fund assets were so good during the 1990's that a negative pension cost under FAS 87 became a routine result.

Using a negative pension cost for setting rates is not a reasonable long-term result. Since the

minimum contribution under ERISA is always 0 or higher, a negative pension cost will no

longer occur when the ERISA minimum contribution is used for ratemaking purposes.

4

3

Q. How is the ERISA minimum contribution used to determine an annual level of

fund contributions required under ERISA regulations. If the annual contributions have been

stable in regard to the amount of the contribution required, then the most recent contribution

can be used for the annual level of pension cost to be included in cost of service for setting

rates. However, if there has been significant annual volatility (fluctuation in the level of

contributions from year to year) in the annual fund contributions, then an average is

Aquila's pension fund as well as those of the other major utility companies in Missouri.

Aguila made voluntary pension fund contributions in 2002 and 2003 in order to avoid: 1) the

write-off of the existing prepaid pension asset which would have been required under

financial reporting requirements under FAS 87; and 2) to avoid a significant increase in the

Are Aquila's recent circumstances regarding the funded status of its pension

No. The devaluation of the stock market has had a significant impact on

5 pension cost for ratemaking purposes?

6

A. Under normal circumstances, Staff will use an analysis of the actual historical

7

8

9

10

11

12

13

Q.

A.

fund normal in your view?

14

15

16

17

18

19

20

21

22

23

Q. Please define the term "voluntary contribution."

annual premiums to the Pension Benefit Guarantee Corporation (PBGC).

appropriate for determining a normalized level for ratemaking purposes.

A. A voluntary contribution is one that exceeds the minimum contribution

required under ERISA regulations.

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20 21

22

23

Q. Why were voluntary contributions necessary in 2002 and 2003 of \$35 million and \$3 million to avoid a significant charge to other comprehensive income?

- A. There are specific accounting rules under FAS 87 that require the write off of an existing prepaid pension asset when the market value of the pension fund assets is less than the accumulated benefit obligation (ABO). The market value of Aquila's pension fund assets has been negatively impacted by the decline in value of equity investments in recent years. Unless a \$34.5 million contribution was made in 2002, Aquila would have had to recognize an approximate \$80 million charge to other comprehensive income. Additionally, with a subsequent \$3 million contribution in 2003, Aquila avoided a write off of approximately \$105 million charge to other comprehensive income.
- Q. What increase in Aquila's annual premium costs to the PBGC were avoided by making the voluntary contributions in 2002 and 2003?
- A. The PBGC requires higher annual premiums for under funded plans. Additionally, Aquila would have been required to notify all employees and retirees regarding the under-funded status of the pension plan. Aquila's management has indicated that the additional premium increase to the PBGC would approach \$1 million annually if the under funded status had not been adequately addressed.
- Q. What are the regulatory implications of the voluntary 2002 and 2003 pension fund contributions for this case?
- Α. Under normal circumstances the Staff would likely challenge the validity of voluntary pension fund contributions for purposes of determining a proper level of pension cost to be used in setting rates. As one example, many major utility companies used to make the largest tax deductible contribution allowed under Internal Revenue Service (IRS) rules.

This was done primarily to lower the amount of current income tax liability. The Staff would challenge the negative rate impact of such a policy if proposed for setting rates. However, in Aquila's current circumstances, the voluntary contributions were necessary to avoid significant negative financial and cash flow impacts. Additionally, the ERISA minimum contributions would have been significant in 2003 and 2004 if these contributions had not been made. Therefore, the voluntary contributions should be used in determining pension cost in this case.

- Q. Please explain the impact on Aquila's ERISA minimum contribution if the voluntary contributions in 2002 and 2003 had not occurred.
- A. According to the Company's actuarial firm, Hewitt Associates LLC, the ERISA contribution would have been \$11.4 million in 2003 and \$37 million in 2004 (response to Staff Data Request No. 524) if the voluntary contributions had not occurred in 2002 and 2003.
 - Q. How did you calculate your recommended level of pension cost for this case?
- A. I have used a five-year average of actual pension plan contributions. This calculation includes three years of ERISA minimum contributions and the voluntary contributions for 2002 and 2003. The allocation of the Total Aquila contributions were allocated to the MPS Division based upon the allocation used by the Company's actuary reflected in the FAS 132 Disclosure for 2002 (response to Staff Data Request No. 450).
 - Q. Please explain adjustments S-85.5.

A. These adjustments adjust the 2002 MPS electric

2

pension costs, respectively, to reflect the Staff's recommended use of the ERISA minimum

3

contribution for recognizing pension cost for ratemaking purposes.

PREPAID PENSION ASSET

5

4

Q. Please explain the prepaid pension asset calculated under FAS 87.

6

A. FAS 87 provides the Generally Accepted Accounting Principles (GAAP)

7

method used for recognizing the annual pension cost liability for financial reporting purposes.

8

The ERISA regulations address the funding of the same pension plan liability. Annual

9

differences occur because the actuarial methods used assign cost differently over the service

10

lives of employees. Annual differences between pension cost under FAS 87 for financial

11

reporting and cash contributions to the fund are accounted for as either a prepaid pension asset

12

(cash contribution exceeds FAS 87 accrual) or an accrued liability (FAS 87 accrual exceeds

13

cash contribution).

Q. Please explain the regulatory implications of the prepaid pension asset.

14 15

A. With regard to major utility company's in Missouri, the change in the prepaid

16

pension asset, since the adoption of FAS 87 for setting rates, has resulted primarily from a

17

negative pension expense under FAS 87 and a zero ERISA minimum contribution. As

18

discussed previously, a negative pension expense reduced cash flow to the utility. The excess

19

of fund assets over the pension liability in prior years could not be withdrawn and used to

20

offset the negative cash flow that resulted from reflecting a negative pension cost under

21

FAS 87 in setting rates. The prepaid asset, in effect, represents a cash flow benefit (reduction

22

in rates) which, in theory, should reverse over the service life of the employees used to accrue

23

pension cost. In other words, there should not be any permanent difference between the

- recognition of the pension liability for financial reporting over the service life of employees and the funding of the same liability. However, as a practical matter, the prepaid asset has continued to grow rather than reverse as a result of the better than expected returns earned on the pension fund assets since the early 1990's. What was expected to be a temporary, short-term timing difference between the accrual of pension cost under FAS 87 and the funding of the plan has, in reality, been a recurring reduction in cash flow resulting from the recognition of a negative pension cost under FAS 87 in rates.
- Q. How should the prepaid pension asset be treated in setting rates as result of the Staff's recommended change to use the ERISA minimum contribution for determining pension cost for setting rates?
- A. The prepaid pension asset is in effect the opposite of the accumulated deferred income tax reserve. Deferred income taxes represent income tax paid through rates which exceed the Company's current income tax liability. The deferred taxes represent a cash flow benefit to the utility and are returned to customers over the life of the assets generating the accelerated tax deductions used in calculating current income tax due the IRS. The prepaid pension asset represents the accumulated reduction in rates that has occurred as a result of reflecting negative pension cost in rates under FAS 87. It was intended to be a temporary timing difference which would reverse over time. With a change in pension cost determination to the ERISA minimum funding requirement, the only mechanism to reverse the prepaid asset is to amortize the balance over a reasonable period of time. The appropriate time frame is the number of years that FAS 87 has been in effect for ratemaking purposes.
 - Q. Please explain adjustments S-85.6.

ļ	Direct Testin Steve M. Tra		
1	Α.	These adjustments amortize the MPS electric	
2	prepaid pens	ion assets over 5.5 years for MPS. The amortization	
3	periods corre	spond with the time frame since the adoption of FAS 87 for ratemaking purposes	
4	for Aquila's	MPS division.	
5	<u>OPEBS - FI</u>	NANCIAL ACCOUNTING STANDARD (FAS) 106	
6	Q.	Please explain adjustments S-85.13.	
7	Α.	Adjustment S-85.13 annualizes OPEB's expense calculated under FAS 106 for	
8	the MPS div	ision.	
9			
10			
11			
12	Q.	Is the calculation of the 2003 FAS 106 cost still being reviewed by the Staff?	
13	Α.	Yes. The Staff has outstanding discovery on the 2003 calculation. The Staff's	
14	recommende	ed adjustment for OPEB's cost under FAS 106 is subject to change based upon	
15	the review of the outstanding data.		
• •] 		
16 17			
18			
19			
20			
21			
22			
	II .		

Direct Testimony of Steve M. Traxler

	Direct Testimony of Steve M. Traxler
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11 12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	

CASH WORKING CAPITAL - CURRENT INCOME TAX

- Q. How is the payment lag for current income tax normally reflected in cash working capital?
- A. The payment lag for current income tax calculates the difference between the midpoint of the calendar year and the four installment dates for payment of the current income tax liability. The calculation is addressed in more detail in the testimony of Staff Auditing witness Lesley R. Preston.
- Q. Has the Staff reflected the normal payment lag for current income tax in its cash working capital calculation in this case?
- A. No. Due to Aquila's current financial condition, no current income tax was paid in 2002 and none is expected for 2003 and likely longer as a result of significant loss carryforwards. The payment lag has been adjusted to reflect the assumption that current income taxes collected in rates will not be used to pay a current income tax liability. Since we are allowing the Company to collect income tax expense from rates set in this proceeding, which are not expected to be used in the near term for payment of a current income tax liability, it is logical that we reflect a no payment assumption in the cash working capital calculation.

CORPORATE DEPRECIATION RESERVE WRITE DOWN

Q. Is it your understanding that the Company is proposing an adjustment to the accumulated depreciation reserve for corporate general plant?

- A. Yes. The depreciation reserve summary schedules provided by Company witness, Dr. Ronald E. Wright, reflect an adjustment to reduce the December 31, 2002, accumulated depreciation reserve allocated to the MPS.
- Q. Are the proposed reductions to the accumulated depreciation reserve significant?
- A. Yes. The Company is proposing to reduce the allocated general plant depreciation reserve by 60%. An adjustment of this magnitude raises serious regulatory concerns as to what the underlying circumstances are which necessitate such an adjustment.
 - Q. Please explain the regulatory concerns regarding this proposal.
- A. First, it is unlikely that a difference in the depreciation rates approved for Missouri and the rates used for depreciating corporate general plant for financial reporting would result in a 60% difference in the accumulated depreciation reserve calculated based upon the rates approved for Missouri. The Staff's concern is that the adjustment could be related to an early retirement of general plant as a result of Aquila's significant reduction in its non-regulated operations. Aquila's elimination of its trading subsidiary, Aquila Merchant Services Inc. (Aquila Merchants), resulted in the loss of over 1,000 employees. If the reduction in the accumulated depreciation reserve for corporate general plant was related to the early retirement of computer hardware and software as a result of the elimination of Aquila Merchants, as one example, then Missouri ratepayers are being negatively impacted for events which are unrelated to providing regulated utility service in Missouri.
- Q. Has the Staff issued additional discovery in an effort to get a complete understanding of the Company's rationale for proposing this adjustment?

ļ	Direct Testimony of Steve M. Traxler
i	A Yes. Staff witness Rosella L. Schad and I will conduct additional discovery to
2	get a full understanding for the underlying factors which necessitate this adjustment in the
3	Company's view. Staff's position on this adjustment is subject to change based upon the
4	review of additional information.
5	Q. Please identify the adjustments to reverse the write down of the accumulated
6	depreciation reserve for corporate general plant.
7	A. Adjustments R76.1, R78.1, R79.1, R80.1, R81.1, R83.1, R84.1, R85.1, R86.1
8	and R87.1 adjust the MPS accumulated depreciation reserve for corporate plant to reverse the
9	write down of the accumulated depreciation reserve for corporate plant by the Company in
10	2003.

- Q. Does this conclude your direct testimony?
- A. Yes it does.

Steve M. Traxler

SUMMARY OF RATE CASE INVOLVEMENT

Year	<u>Case No.</u>	<u>Utility</u>	Type of Testimony	
1978	Case No. ER-78-29	Missouri Public Service Company (electric)	Direct Rebuttal	Contested
1979	Case No. ER-79-60	Missouri Public Service Company (electric)	Direct Rebuttal	Contested
1979		Elimination of Fuel Adjustment Clause Audits (all electric utilities)		
1980	Case No. ER-80-118	Missouri Public Service Company (electric)	Direct Rebuttal	Contested
1980	Case No. ER-80-53	St. Joseph Light & Power Company (electric)	Direct	Stipulated
1980	Case No. OR-80-54	St. Joseph Light & Power Company (transit)	Direct	Stipulated
1980	Case No. HR-80-55	St. Joseph & Power Company (industrial steam)	Direct	Stipulated
1980	Case No. TR-80-235	United Telephone Company of Missouri (telephone)	Direct Rebuttal	Contested
1981	Case No. TR-81-208	Southwestern Bell Telephone Company (telephone)	Direct Rebuttal Surrebuttal	Contested
1981	Case No. TR-81-302	United Telephone Company of Missouri (telephone)	Direct Rebuttal	Stipulated
1982	Case No. ER-82-66	Kansas City Power & Light Company	Rebuttal	Contested
1982	Case No. TR-82-199	Southwestern Bell Telephone Company (telephone)	Direct Rebuttal	Contested
1982	Case No. ER-82-39	Missouri Public Service	Direct Rebuttal Surrebuttal	Contested
1990	Case No. GR-90-50	Kansas Power & Light - Gas Service Division (natural gas)	Direct	Stipulated

<u>Year</u>	<u>Case No.</u>	<u>Utility</u>	Type of Testimony	
1990	Case No. ER-90-101	UtiliCorp United Inc., Missouri Public Service Division (electric)	Direct Surrebuttal	Contested
1991	Case No. EM-91-213	Kansas Power & Light - Gas Service Division (natural gas)	Rebuttal	Contested
1993	Case Nos. ER-93-37	UtiliCorp United Inc. Missouri Public Service Division (electric)	Direct Rebuttal Surrebuttal	Stipulated
1993	Case No. ER-93-41	St. Joseph Light & Power Co.	Direct Rebuttal	Contested
1993	Case Nos. TC-93-224 and TO-93-192	Southwestern Bell Telephone Company (telephone)	Direct Rebuttal Surrebuttal	Contested
1993	Case No. TR-93-181	United Telephone Company of Missouri	Direct Surrebuttal	Contested
1993	Case No. GM-94-40	Western Resources, Inc. and Southern Union Company	Rebuttal	Stipulated
1994	Case Nos. ER-94-163 and HR-94-177	St. Joseph Light & Power Co.	Direct	Stipulated
1995	Case No. GR-95-160	United Cities Gas Co.	Direct	Contested
1995	Case No. ER-95-279	Empire Electric Co.	Direct	Stipulated
1996	Case No. GR-96-193	Laciede Gas Co.	Direct	Stipulated
1996	Case No. WR-96-263	St. Louis County Water	Direct Surrebuttal	Contested
1996	Case No. GR-96-285	Missouri Gas Energy	Direct Surrebuttal	Contested
1997	Case No. ER-97-394	UtiliCorp United Inc. Missouri Public Service (electric)	Direct Rebuttal Surrebuttal	Contested
1998	Case No. GR-98-374	Laclede Gas Company	Direct	Settled
1999	Case No. ER-99-247 Case No. EC-98-573	St. Joseph Light & Power Co.	Direct Rebuttal Serrebuttal	Settled
2000	Case No. EM-2000-292	UtiliCorp United Inc. and St. Joseph Light & Power Merger	Rebuttal	Contested
2000	Case No. EM-2000-369	UtiliCorp United Inc. and Empire Electric Merger	Rebuttal	Contested

Year	Case No.	<u>Utility</u>	Type of Testimony	
2000	Case No. EM-2000-369	UtiliCorp United Inc. and Empire Electric District Co.	Rebuttal	Contested
2001	Case No. TT-2001-328	Oregon Mutual Telephone Co.	Direct	Settled
2002	Case No. ER-2001-672	UtiliCorp United Inc.	Direct, Surrebuttal	Settled
2002	Case No. EC-2002-1	Union Electric Company d/b/a AmerenUE	Surrebuttal	Settled