

Exhibit No.:

Issues: Income Tax

Witness: Ronald E. White

Sponsoring Party: Missouri Public
Service

Case No.: ER-2001-672

Before the Public Service Commission
of the State of Missouri

FILED²

JAN 22 2002

Missouri Public
Service Commission

Surrebuttal Testimony

of

Ronald E. White

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI
SURREBUTTAL TESTIMONY OF DR. RONALD E. WHITE
ON BEHALF OF MISSOURI PUBLIC SERVICE,
A DIVISION OF UTILICORP UNITED INC.
CASE NO. ER-2001-672**

1 Q. Would you please state your name and business address?

2 A. My name is Ronald E. White. My business address is 17595 S. Tamiami Trail, Suite 212,
3 Fort Myers, Florida 33908.

4 Q. What is your occupation?

5 A. I am an Executive Vice President and Senior Consultant of Foster Associates, Inc.

6 **QUALIFICATIONS**

7 Q. Would you briefly describe your educational training and professional background?

8 A. I received a B.S. degree (1965) in Engineering Operations and an M.S. degree (1968) and
9 Ph.D. (1977) in Engineering Valuation from Iowa State University. I have taught
10 graduate and undergraduate courses in industrial engineering, engineering economics, and
11 engineering valuation at Iowa State University and previously served on the faculty for
12 Depreciation Programs for public utility commissions, companies, and consultants,
13 sponsored by Depreciation Programs, Inc., in cooperation with Western Michigan
14 University. I also conduct courses in depreciation and public utility economics for clients
15 of the firm.

16 I have prepared and presented a number of papers to professional organizations,
17 committees, and conferences and have published several articles on matters relating to

1 depreciation, valuation and economics. I am a past member of the Board of Directors of
2 the Iowa State Regulatory Conference and an affiliate member of the joint American Gas
3 Association (A.G.A.) – Edison Electric Institute (EEI) Depreciation Accounting
4 Committee, where I previously served as chairman of a standing committee on capital
5 recovery and its effect on corporate economics. I am also a member of the American
6 Economic Association, the Financial Management Association, the Midwest Finance
7 Association, the Electric Cooperatives Accounting Association (ECAA), and a founding
8 member of the Society of Depreciation Professionals.

9 A. What is your professional experience?

10 Q. I joined the firm of Foster Associates in 1979, as a specialist in depreciation, the
11 economics of capital investment decisions, and cost of capital studies for ratemaking
12 applications. Prior to joining Foster Associates, I was employed by Northern States
13 Power Company (1968-1979) in various assignments related to finance and treasury
14 activities. As Manager of the Corporate Economics Department, I was responsible for
15 book depreciation studies, studies involving staff assistance from the Corporate
16 Economics Department in evaluating the economics of capital investment decisions, and
17 the development and execution of innovative forms of project financing. As Assistant
18 Treasurer at Northern States, I was responsible for bank relations, cash requirements
19 planning, and short-term borrowings and investments.

20 Q. Have you previously testified before a regulatory body?

21 A. Yes. I have testified in numerous proceedings before administrative and judicial bodies in
22 Alabama, Arizona, California, Colorado, Delaware, Hawaii, Idaho, Illinois, Iowa,

1 Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nevada, New
2 Hampshire, New Jersey, North Carolina, North Dakota, Ohio, Oregon, Pennsylvania,
3 Rhode Island, South Carolina, South Dakota, Tennessee, Vermont, Wisconsin, and the
4 District of Columbia. I have also testified before the Federal Energy Regulatory
5 Commission, the Federal Power Commission, the Alberta Energy Board, the Ontario
6 Energy Board, and the Securities and Exchange Commission. I have sponsored position
7 statements before the Federal Communication Commission and numerous local
8 franchising authorities in matters relating to the regulation of telephone and cable
9 television.

PURPOSE OF TESTIMONY

11 Q. What is the purpose of your testimony in this proceeding?

12 A. I have been asked by Missouri Public Service (MPS) to respond to the prepared rebuttal
13 testimony of Staff witness Steve M. Traxler regarding Staff's computation of income tax
14 expense using an annualized deduction for straight-line depreciation. It will be
15 demonstrated in this testimony that the Staff computation of income tax expense is in
16 error and will preclude MPS from ever fully recovering the capital invested in plant and
17 equipment serving customers in Missouri.

RESPONDING TESTIMONY

18
19 Q. What is your understanding of Staff's computation of income tax expense with straight-
20 line depreciation?

1 A. According to witness Traxler, "...every dollar of book depreciation included in cost of
2 service with no corresponding straight line tax depreciation results in [a] cash outlay from
3 ratepayers." (Traxler rebuttal testimony, p. 6). Presumably, "The additional revenue
4 requirement resulting from including book depreciation expense in cost of service
5 without a corresponding tax deduction can be eliminated by continuing to calculate
6 straight line tax depreciation for all assets which are still in service consistent with the
7 calculation of book depreciation under the mass asset method used under FERC rules."
8 (Traxler rebuttal testimony, pp. 6-7). Following this reasoning, Staff has imputed a tax
9 deduction using straight-line depreciation for plant remaining in service beyond the
10 recovery period allowed under the Internal Revenue Code. This reduction in revenue
11 requirements is claimed by witness Traxler to "eliminate the inequity" of including book
12 depreciation in cost of service with no corresponding tax deduction.

13 Q. Are revenue requirements overstated (*i.e.*, customers overcharged) by including book
14 depreciation expense in cost of service with no corresponding tax deduction?

15 A. No, they are not. Revenue collected to recover book depreciation expense is taxable and
16 must be included in a revenue requirement calculation of current taxes. The \$0.62
17 "inequity" claimed by witness Traxler in his example (Traxler rebuttal testimony, p. 6) is
18 the revenue requirement for current taxes created by each dollar of book depreciation
19 expense that is not deductible from taxable income. Stated differently, a tax of \$0.62
20 ($\$1.62 \times 0.3839 = \0.62) is payable on taxable income of \$1.62 using a tax rate of 38.39
21 percent. The amount remaining after the payment of \$0.62 in taxes (*i.e.*, \$1.00) is the
22 appropriate allowance for the recovery of book depreciation expense.

1 Q. What is the allowance for the recovery of book depreciation expense resulting from
2 Staff's imputed straight-line tax depreciation deduction?

3 A. Staff would allow recovery of \$0.62 (\$1.00 % (1.0 - 0.3839) = \$0.62) of each dollar
4 charged to depreciation expense for plant remaining in service beyond the allowed
5 recovery period. By way of analogy, it's a sure bet that Staff would be unwilling to accept
6 a reimbursement of \$1.00 from the State for each dollar of an out-of pocket business
7 expense costing \$1.62.

8 Q. Would you please illustrate the correct computation of revenue requirements for a vintage
9 of plant in which the allowed recovery period is shorter than the service life used in the
10 computation of book depreciation expense?

11 A. Attached Schedule REW-1 provides an example calculation of the revenue required to
12 achieve full capital recovery of a \$100,000 plant investment having a book life of 10
13 years and an allowed recovery period of 7 years. Assumptions regarding the debt ratio,
14 cost of capital and income tax rate are displayed at the top of the Schedule.
15 Note in particular the computation of current taxes in Years 8-10, which are beyond the
16 allowed recovery period. The ratemaking revenue requirement for current taxes shown in
17 Table 1 (Column M) is given by

18
$$\text{Current Tax} = \frac{\text{Tax Rate}}{1.0 - \text{Tax Rate}} (\text{Equity Return} + \text{Book Depreciation} + \text{Deferred Taxes} - \text{Tax Depreciation}).$$

19 Current taxes in Year 8, for example, are

20
$$\text{Current Tax} = \frac{0.35}{1.0 - 0.35} (1,404 + 10,000 - 3,500 - 0.00) = 4,256.$$

1 Importantly, allowable tax depreciation (Column K) in Years 8-10 is \$0.00. Any tax
2 depreciation imputed beyond Year 7 would be disallowed under current tax rules.

3 Q. Why is a tax deduction for depreciation disallowed beyond Year 7 in this example?

4 A. The tax basis in this example is \$100,000 and the allowed recovery period is 7 years. The
5 sum of allowed tax depreciation over Years 1-7 (Column K) is equal to the unadjusted
6 basis of \$100,000. A taxpayer is not permitted to deduct an amount greater than the tax
7 basis in computing taxable income.

8 Q. Can it be demonstrated that your calculation of revenue requirements is correct?

9 A. Yes, it can. Table 2 (shown in attached Schedule REW-1) provides a "top-down"
10 calculation of the cash flow available for capital recovery if collected revenue is equal to
11 the revenue requirements derived in Table 1. A proper level of net revenue for a regulated
12 utility (after operating expenses and current income taxes) is annual amounts sufficient to
13 achieve a present value of return *of* and return *on* investor supplied capital equal to the
14 amount of capital originally devoted to public service. The source of return *of* capital is
15 revenue covering book depreciation, deferred income taxes and deferred investment tax
16 credits. The source of return *on* capital is revenue covering operating income before
17 interest expense.

18 It can be observed from Table 2 that the present value of the cash flows available for
19 capital recovery (Column J) is equal to the original investment of \$100,000. Hence, the
20 ratemaking calculation of revenue requirements shown in Table 1 correctly achieves the
21 desired goal of providing investors an opportunity to realize full capital recovery.

1 Q. Would you please illustrate the Staff computation of revenue requirements using the
2 above example?

3 A. Attached Schedule REW-2 provides the Staff computation of revenue requirements for
4 the example illustrated in REW-1. Note, in particular, the Staff computation of current
5 income taxes in Years 8-10, which are beyond the allowed recovery period. As noted
6 earlier, the statutory tax deduction for this period is \$0.00. Staff, however, has imputed a
7 straight-line depreciation deduction for taxes equal to the book depreciation recorded for
8 these years. The Staff calculation of current taxes in Year 8, for example, is

9
$$\text{Current Tax} = \frac{0.35}{1.0 - 0.35} (1,404 + 10,000 - 3,500 - 10,000) = -1,128.62.$$

10 The correct computation (shown in REW-1) yields a revenue requirement for current
11 income taxes of \$4,256.00.

12 Q. Can it be demonstrated that the Staff calculation of revenue requirements is deficient?

13 A. Yes, it can. As discussed earlier, Table 2 (shown in attached Schedule REW-2) provides a
14 "top-down" calculation of the cash flow available for capital recovery if collected revenue
15 is equal to the revenue requirements derived in Table 1. It can be observed from Table 2
16 that the present value of the cash flows available for capital recovery (Column J) is
17 \$95,533.48, which is \$4,466.52 less than the original investment of \$100,000. Clearly,
18 the Staff calculation of revenue requirements fails to achieve the desired goal of
19 providing investors an opportunity to realize full capital recovery.

20 Q. Would you please summarize your assessment of the Staff calculation of revenue
21 requirements for current taxes?

1 A. The statutory allowance for tax depreciation does not permit the straight-line depreciation
2 deduction imputed by Staff for plant remaining in service beyond the allowed recovery
3 period. The Staff computation of revenue requirements is deficient, therefore, by an
4 amount equal to the tax rate times the present value of book depreciation expense over
5 the number of years in which the book life exceeds the allowed recovery period.

6 Regulation that adopts the Staff calculation of revenue requirements will systematically
7 deny investors an opportunity for full capital recovery. This is equivalent to removing
8 unrecovered investments from the rate base with no provision for capital recovery.

9 Q. According to witness Traxler, "... as long as ratepayers are asked to provide additional
10 depreciation recovery for assets which are outliving their 'estimated' book depreciation
11 lives, a corresponding straight line tax deduction should also be reflected for ratemaking
12 purposes." (Traxler rebuttal testimony, p. 9). Do you agree with this assertion?

13 A. No, I do not and for three related reasons. First, book depreciation is an entirely different
14 concept than tax depreciation. Book depreciation is a cost allocation concept that
15 constitutes an application of both the matching and expense recognition principles of
16 accounting.¹ Accounting depreciation is a measurement of the service potential of an
17 asset (or group of assets) that is consumed during an accounting interval. The service
18 potential of an asset is the present value of future net revenue (*i.e.*, revenue less expenses

¹ The matching principle provides that, for any period in which income is recognized, the expenses incurred in generating the recognized revenue should be determined and reported for that period. The expense recognition principle provides that costs deferred as assets and subsequently written off as periodic expenses according to the matching principle should be based on cause and effect whenever a direct causal relationship between the expense and revenue can be identified.

1 exclusive of depreciation and other non-cash expenses) or cash inflows attributable to the
2 use of that asset alone.

3 The goal or objective of depreciation accounting is cost allocation over economic life in
4 proportion to the consumption of service potential. This goal is achieved under rate
5 base/rate of return regulation by a) conducting periodic depreciation studies to estimate
6 service life and net salvage statistics; and b) determining the amount of revenue a utility
7 is authorized to collect from a revenue requirement equation that includes depreciation
8 expense as one of the elements of recoverable costs. The present value of future net
9 revenue for a regulated utility will, therefore, equal its unrecovered investment in plant
10 and equipment provided regulation does not remove investments from the rate base,
11 operating expenses are properly determined, and service markets remain protected from
12 competition.

13 Tax depreciation, on the other hand, represents a "... reasonable allowance for the
14 exhaustion, wear and tear (including a reasonable allowance for obsolescence) —(1) of
15 property used in a trade or business, or (2) of property held for the production of income."
16 (IRC §167(a)). Under the current tax code, equipment is generally assigned to one of
17 seven recovery periods that range in length from three years to 25 years. The applicable
18 method of depreciation (*e.g.*, straight-line or declining balance) depends on the recovery
19 period assigned to the asset. Non-residential buildings generally are depreciated over a
20 39-year recovery period using the straight-line method. Methods of depreciation and
21 recovery periods permitted under the tax code are not intended to achieve the goals of
22 depreciation accounting. The primary goal of tax depreciation is to stimulate capital

1 investment by allowing rapid recovery of the costs of acquiring capital assets. It is wrong,
2 therefore, to claim that book and tax depreciation should be aligned for ratemaking
3 purposes.

4 Secondly, ratepayers are *not* being "... asked to provide additional depreciation recovery
5 for assets which are outliving their 'estimated' book depreciation lives." Book
6 depreciation is an application of group accounting principles in which service life
7 statistics are estimated for the group. These statistics contemplate that some assets will be
8 retired at relatively young ages while others will remain in service well beyond the
9 average service life of the group. The average service life of a plant category represents
10 the mean or expected service life of assets when they are first placed in service.² The
11 estimated service life of any asset within the group is measured by a statistic called a
12 *probable life*, which is equal to the age of the asset plus its estimated remaining life.
13 Probable lives for a plant category can range between the average life and several
14 multiples of the average life, depending upon the dispersion of retirements estimated
15 from a survivor curve.

16 Depreciation rates derived from the estimated average service life of a rate category (*i.e.*,
17 whole-life technique) are applied to the total plant in service from all surviving vintages.

18 The depreciation reserve for a plant category is, therefore, the aggregate reserve
19 associated with all vintages. No asset or vintage within an account has an identifiable

1 reserve. It is fundamental to group accounting that depreciation must continue to be
2 accrued on plant remaining in service beyond an estimated average service life of a group
3 to compensate for the under-accruals on earlier retirements. Contrary to the opinion of
4 witness Traxler, ratepayers are *not* being "... asked to provide additional depreciation
5 recovery for assets which are outliving their 'estimated' book depreciation lives."
6 Finally, as demonstrated earlier, imputing a straight-line tax deduction for vintages
7 remaining in service beyond the allowed recovery period will preclude MPS from ever
8 fully recovering the capital invested in plant and equipment serving customers in
9 Missouri. Witness Traxler simply cannot claim that "MPS will benefit from a significant
10 windfall profit ... due to allowing the company to recover significant book depreciation
11 expense with no corresponding tax deduction for ratemaking purposes."

12 Q. Does this conclude your surrebuttal testimony?

13 A. Yes, it does.

² Technically, this statistic is the estimated *projection* life of the category. The average service life of a plant category is dependent upon the procedure (*e.g.*, broad group, vintage group, or equal-life group) used in the development of an accrual rate.

Revenue Requirements and Capital Recovery

Correct Calculation

Debt Ratio:	40.00%	Income Tax Rate (t):	35.00%
Debt Cost:	7.00%	Book Life:	10.00
Equity Cost:	12.00%	Tax Recovery Period:	7.00
Pre-Tax ROR:	10.00%	SYD:	28.00
Post-Tax ROR:	9.02%		

Table 1. Ratemaking

EOY	Plant	Depreciation Reserve	Deferred Taxes	Rate Base	Return on Capital			Book Depreciation	Tax Depreciation		Deferred Taxes	Current Taxes	Revenue Requirement
					Equity	Interest	Total		Straight-Line	Accelerated			
A	B	C	D	E=B-C-D	F	G	H=F+G	I	J	K	L=I*(K-J)	M	N=H+I+L+M
0	\$100,000.00			\$100,000.00									
1	100,000.00	10,000.00	5,250.00	84,750.00	7,200.00	2,800.00	10,000.00	10,000.00	10,000.00	25,000.00	5,250.00	(1,373.08)	23,876.92
2	100,000.00	20,000.00	9,250.00	70,750.00	6,102.00	2,373.00	8,475.00	10,000.00	10,000.00	21,428.57	4,000.00	(714.31)	21,760.69
3	100,000.00	30,000.00	12,000.00	58,000.00	5,094.00	1,981.00	7,075.00	10,000.00	10,000.00	17,857.14	2,750.00	(7.08)	19,817.92
4	100,000.00	40,000.00	13,500.00	46,500.00	4,176.00	1,624.00	5,800.00	10,000.00	10,000.00	14,285.71	1,500.00	748.62	18,048.62
5	100,000.00	50,000.00	13,750.00	36,250.00	3,348.00	1,302.00	4,650.00	10,000.00	10,000.00	10,714.29	250.00	1,552.77	16,452.77
6	100,000.00	60,000.00	12,750.00	27,250.00	2,610.00	1,015.00	3,625.00	10,000.00	10,000.00	7,142.86	(1,000.00)	2,405.38	15,030.38
7	100,000.00	70,000.00	10,500.00	19,500.00	1,962.00	763.00	2,725.00	10,000.00	10,000.00	3,571.43	(2,250.00)	3,306.46	13,781.46
8	100,000.00	80,000.00	7,000.00	13,000.00	1,404.00	546.00	1,950.00	10,000.00	10,000.00		(3,500.00)	4,256.00	12,706.00
9	100,000.00	90,000.00	3,500.00	6,500.00	936.00	364.00	1,300.00	10,000.00	10,000.00		(3,500.00)	4,004.00	11,804.00
10					468.00	182.00	650.00	10,000.00	10,000.00		(3,500.00)	3,752.00	10,902.00
Present Value													\$111,836.45

Table 2. Financial Reporting

EOY	Revenue	Interest	Tax Depreciation	Taxable Income	Current Taxes	Deferred Taxes	Book Depreciation	Net Income	Capital Recovery
A	B	C	D	E=B-C-D	F=I*E	G	H	I=B-C-F-G-H	J=C+G+H+I
1	23,876.92	2,800.00	25,000.00	(3,923.08)	(1,373.08)	5,250.00	10,000.00	7,200.00	25,250.00
2	21,760.69	2,373.00	21,428.57	(2,040.88)	(714.31)	4,000.00	10,000.00	6,102.00	22,475.00
3	19,817.92	1,981.00	17,857.14	(20.22)	(7.08)	2,750.00	10,000.00	5,094.00	19,825.00
4	18,048.62	1,624.00	14,285.71	2,138.90	748.62	1,500.00	10,000.00	4,176.00	17,300.00
5	16,452.77	1,302.00	10,714.29	4,436.48	1,552.77	250.00	10,000.00	3,348.00	14,900.00
6	15,030.38	1,015.00	7,142.86	6,872.53	2,405.38	(1,000.00)	10,000.00	2,610.00	12,625.00
7	13,781.46	763.00	3,571.43	9,447.03	3,306.46	(2,250.00)	10,000.00	1,962.00	10,475.00
8	12,706.00	546.00		12,160.00	4,256.00	(3,500.00)	10,000.00	1,404.00	8,450.00
9	11,804.00	364.00		11,440.00	4,004.00	(3,500.00)	10,000.00	936.00	7,800.00
10	10,902.00	182.00		10,720.00	3,752.00	(3,500.00)	10,000.00	468.00	7,150.00
Present Value									\$100,000.00

Revenue Requirements and Capital Recovery Staff Calculation

Debt Ratio:	40.00%	Income Tax Rate (t):	35.00%
Debt Cost:	7.00%	Book Life:	10.00
Equity Cost:	12.00%	Tax Recovery Period:	7.00
Pre-Tax ROR:	10.00%	SYD:	28.00
Post-Tax ROR:	9.02%		

Table 1. Ratemaking

EOY	Plant	Depreciation Reserve	Deferred Taxes	Rate Base	Return on Capital			Book Depreciation	Tax Depreciation		Deferred Taxes	Current Taxes	Revenue Requirement
					Equity	Interest	Total		Straight-Line	Accelerated			
A	B	C	D	E=B-C-D	F	G	H=F+G	I	J	K	L=I*(K-J)	M	N=H+I+L+M
0	\$100,000.00			\$100,000.00									
1	100,000.00	10,000.00	5,250.00	84,750.00	7,200.00	2,800.00	10,000.00	10,000.00	10,000.00	25,000.00	5,250.00	(1,373.08)	23,876.92
2	100,000.00	20,000.00	9,250.00	70,750.00	6,102.00	2,373.00	8,475.00	10,000.00	10,000.00	21,428.57	4,000.00	(714.31)	21,760.69
3	100,000.00	30,000.00	12,000.00	58,000.00	5,094.00	1,981.00	7,075.00	10,000.00	10,000.00	17,857.14	2,750.00	(7.08)	19,817.92
4	100,000.00	40,000.00	13,500.00	46,500.00	4,176.00	1,624.00	5,800.00	10,000.00	10,000.00	14,285.71	1,500.00	748.62	18,048.62
5	100,000.00	50,000.00	13,750.00	36,250.00	3,348.00	1,302.00	4,650.00	10,000.00	10,000.00	10,714.29	250.00	1,552.77	16,452.77
6	100,000.00	60,000.00	12,750.00	27,250.00	2,610.00	1,015.00	3,625.00	10,000.00	10,000.00	7,142.86	(1,000.00)	2,405.38	15,030.38
7	100,000.00	70,000.00	10,500.00	19,500.00	1,962.00	763.00	2,725.00	10,000.00	10,000.00	3,571.43	(2,250.00)	3,306.46	13,781.46
8	100,000.00	80,000.00	7,000.00	13,000.00	1,404.00	546.00	1,950.00	10,000.00	10,000.00	10,000.00	(3,500.00)	(1,128.62)	7,321.38
9	100,000.00	90,000.00	3,500.00	6,500.00	936.00	364.00	1,300.00	10,000.00	10,000.00	10,000.00	(3,500.00)	(1,380.62)	6,419.38
10					468.00	182.00	650.00	10,000.00	10,000.00	10,000.00	(3,500.00)	(1,632.62)	5,517.38
Present Value													\$104,392.57

Table 2. Financial Reporting

EOY	Revenue	Interest	Tax Depreciation	Taxable Income	Current Taxes	Deferred Taxes	Book Depreciation	Net Income	Capital Recovery
A	B	C	D	E=B-C-D	F=I*E	G	H	I=B-C-F-G-H	J=C+G+H+I
1	23,876.92	2,800.00	25,000.00	(3,923.08)	(1,373.08)	5,250.00	10,000.00	7,200.00	25,250.00
2	21,760.69	2,373.00	21,428.57	(2,040.88)	(714.31)	4,000.00	10,000.00	6,102.00	22,475.00
3	19,817.92	1,981.00	17,857.14	(20.22)	(7.08)	2,750.00	10,000.00	5,094.00	19,825.00
4	18,048.62	1,624.00	14,285.71	2,138.90	748.62	1,500.00	10,000.00	4,176.00	17,300.00
5	16,452.77	1,302.00	10,714.29	4,436.48	1,552.77	250.00	10,000.00	3,348.00	14,900.00
6	15,030.38	1,015.00	7,142.86	6,872.53	2,405.38	(1,000.00)	10,000.00	2,610.00	12,625.00
7	13,781.46	763.00	3,571.43	9,447.03	3,306.46	(2,250.00)	10,000.00	1,962.00	10,475.00
8	7,321.38	546.00		6,775.38	2,371.38	(3,500.00)	10,000.00	(2,096.00)	4,950.00
9	6,419.38	364.00		6,055.38	2,119.38	(3,500.00)	10,000.00	(2,564.00)	4,300.00
10	5,517.38	182.00		5,335.38	1,867.38	(3,500.00)	10,000.00	(3,032.00)	3,650.00
Present Value									\$95,533.48

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

In the matter of Missouri Public Service)
of Kansas City, Missouri, for authority)
to file tariffs increasing electric rates)
for service provided to customers in the)
Missouri Public Service area)

Case No. ER-2001-672

County of Lee)
) ss
State of Florida)

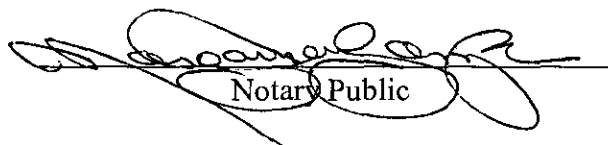
AFFIDAVIT OF RONALD E. WHITE

Ronald E. White, being first duly sworn, deposes and says that he is the witness who sponsors the accompanying testimony entitled "Surrebuttal Testimony of Dr. Ronald E. White;" that said testimony was prepared by him and under his direction and supervision; that if inquiries were made as to the facts in said testimony and schedules, he would respond as therein set forth; and that the aforesaid testimony and schedules are true and correct to the best of his knowledge, information, and belief.



Ronald E. White, Ph.D.

Subscribed and sworn to before me this 18th day of Jaunuary, 2002.



Notary Public

My Commission expires:

